

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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 Pipers Lane, Thatcham, Berkshire, RG19 4NS, United Kingdom**

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.

IDC 01 00:03:42.3;1.8, 12.72N;88.75W, h0km, mb3.8/6,
mb1 4.1/8, mb1mx3.7/47, mbtmp3.8/8, ML3.3/2, MS3.3/2,
Ms1 3.3/2, ms1mx2.6/47, Error ellipse: s-maj=52.1km
s-min=26.8km az=41.0

ISCJCB 01 00:03:43.0;0.5, 12.23N;0.07;88.95W;0.04, h41km,
mb3.9/12, MS3.2/2, Error ellipse: s-maj=7.0km
s-min=5.2km az=34.7

CASC 01 00:03:45.3;1.1, 12.40N;88.94W, h28km;21km, ML3.7,
mb4.2(NEIC)

NEIC 01 00:03:47.2;1.2, 12.59N;88.82W, h43km, 13km, mb4.2/7,
Error ellipse: s-maj=22.5km s-min=9.2km az=40.0

ISC 01 00:36N;0.07;88.95W;0.06, h41km, n142,
+093/144, mb3.9/12, C, Off coast of central America

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
TECA	Tecapa	1.21	21	eP	00 04 05.8	+0.9
LCY	Lacayo	1.24	31	eP	00 04 06.5	+0.5
VSM	San Miguel	1.25	32	eS	00 04 06.8	+0.5
LFRS	El Faro	1.26	35	eP	00 04 06.2	-1.1
PACA	Pacayal	1.26	29	eP	00 04 07.1	-0.2
PACA	Pacayal			eS	00 04 23.1	0.0
BLLM	Bellamira	1.28	33	eP	00 04 06.3	+1.3
COLS	Colima	1.34	34	eP	00 04 07.5	+0.9
OPAM	San Salvador	1.37	35	eP	00 04 08.4	+0.5
OPAM	San Salvador			IAML	00 04 31.4	
LBR5	Las Brisas	1.38	35	eP	00 04 08.2	-0.7
CUSC	San Salvador	1.39	35	eP	00 04 08.5	+0.5
CUSC	San Salvador			IAML	00 04 33.7	
UEES	San Salvador	1.39	34	eP	00 04 08.2	-0.9
UEES	San Salvador			IAML	00 04 34.6	
LFU	La Fuente	1.39	35	eP	00 04 08.4	-0.7
LFU	La Fuente			eS	00 04 25.2	-1.1
LCND	La Ca'ada	1.40	47	eP	00 04 08.4	-0.8
LCND	La Ca'ada			IAML	00 04 41.7	
BOQS	Boqueron	1.41	34	eP	00 04 08.8	-0.6
BOQS	Boqueron			eS	00 04 28.4	+1.5
CEDA	San Andres	1.50	34	eP	00 04 39.4	
CAHU	Caacatiique	1.58	27	eP	00 04 07.8	-4.0
SBSL	San Blas	1.61	33	eP	00 04 11.6	-0.7
SNJE	San Jose	1.63	37	eP	00 04 12.2	-0.3
RTR	El Retiro	1.67	33	eP	00 04 12.6	-0.4
COPN	Copaltepe	2.31	94	eP	00 04 21.4	-0.3
IKG	Ixcaco	2.32	21	eP	00 04 21.6	-0.3
JTS	Juntasabangar	4.43	117	Pn	00 04 52.3	+1.5
JTS	Juntasabangar			Sn	00 05 39.2	-1.9
CMIG	Matias Romero	7.42	31	Pn	00 05 31.6	-0.3
CMIG	Matias Romero			Sn	00 06 53.6	-1.2
341A	Kurthwood	19.83	34	eP	00 08 09.3	+0.7
242A	Grayson	19.83	35	P	00 08 16.4	+1.3
241A	Mo Tay, Gordon	19.91	35	P	00 08 16.4	+0.3
251A	Midway	19.91	9	P	00 08 15.9	+1.6
252A	Lumpkin	19.93	11	P	00 08 16.1	+1.7
435B	Jarrell	20.00	33	P	00 08 16.1	+0.9
149A	Jones	20.24	5	P	00 08 19.5	+1.6
150A	Eclectic	20.33	7	P	00 08 20.8	+2.0
151A	Opelika	20.35	9	P	00 08 20.8	+1.8
152A	Waverly Hall	20.59	10	P	00 08 23.3	+1.7
JCT	Junction City	20.64	33	eP	00 08 22.7	+0.5
JCT	Junction City			P	00 08 22.8	+0.6
LRAL	Lakeview Retre	20.66	5	P	00 08 23.8	+1.5
Z47A	Carrollton	20.76	2	P	00 08 25.7	+2.3
WH7X	Lake Whitney	21.05	34	P	00 08 27.0	+0.4
Z53A	Monticello	21.40	12	P	00 08 32.6	+2.3
Y46A	Houston	21.43	0	P	00 08 32.8	+2.2
Y47A	UCPARC, Winfie	21.47	3	P	00 08 32.7	+1.6
Y48A	Jasper	21.52	4	P	00 08 32.1	+0.5
Y49A	Blount Mountai	21.53	6	P	00 08 31.8	+0.1
Y50A	Godfrey	21.55	13	P	00 08 31.4	-0.5
G1GA	Rockmart	21.73	9	P	00 08 34.3	+0.3
TXAR	Lajitas Array	21.74	32	P	00 08 35.7	+1.6
Y40A	Okolona	21.91	37	P	00 08 36.9	+1.1
Y53A	Monroe	21.95	12	P	00 08 35.5	-0.8
X47A	Russelville	22.08	2	P	00 08 37.9	+0.2
X49A	Woodville	22.18	6	P	00 08 38.8	+0.1
ABTX	Ablene, Hawle	22.43	33	P	00 08 41.6	+0.2
MIAR	Mount Ida	22.48	35	eP	00 08 41.3	-0.6
MIAR	Mount Ida			P	00 08 42.3	+0.3
X39A	Mountain Ranch	22.55	34	P	00 08 42.9	+0.2
W41B	Gary Mavity, V	23.17	35	P	00 08 47.1	+0.7
W40A	Ferguson Farm,	23.04	35	P	00 08 47.8	+0.1
W39A	Magazine	23.16	35	P	00 08 48.6	-0.3
V48A	Smith Brothers	23.36	4	P	00 08 50.4	-0.5
V42A	Cord	23.45	35	P	00 08 51.4	-0.3
V41A	Mountainview	23.50	35	P	00 08 52.2	-0.1
V40A	Witts Springs	23.61	35	P	00 08 53.2	-0.1
TKL	Tuckaleechee C	23.76	11	P	00 08 52.2	-1.7
TKL	Tuckaleechee C			LR	00 19 27.5	
V41B	Waverly	23.69	2	P	00 08 53.7	-0.3
V39A	Pettigrew	23.76	35	P	00 08 54.9	+0.1
U46A	Springville	23.91	2	P	00 08 55.5	-0.6
U42A	Reverden	23.98	35	P	00 08 56.3	-0.4
WMOK	Wichita Mounta	24.00	34	eP	00 08 55.4	-1.7
WMOK	Wichita Mounta			P	00 08 56.2	-0.8
U47A	Clarksville	24.03	3	P	00 08 56.3	-0.9
U41A	Viola	24.03	35	P	00 08 57.0	-0.3
U40A	Yellville	24.15	35	P	00 08 58.6	+0.3
TUL1	Leonard	24.25	34	P	00 08 59.2	-0.1
U39A	Green Forest	24.27	35	P	00 08 59.6	+0.2
MNTX	Cornudas Mount	24.48	32	eP	00 09 00.5	-0.9
MNTX	Cornudas Mount			P	00 09 01.3	-0.2
T47A	Sharon Grove	24.54	4	P	00 09 01.7	-0.6

T46A	Princeton	24.60	2	P	00 09 01.7	-0.7
T42A	Van Buren	24.64	35	P	00 09 02.3	-0.5
T43A	Greenville	24.65	35	P	00 09 02.4	-0.4
T41A	Mountain View	24.71	35	P	00 09 03.2	-0.3
T49A	Edmonton	24.83	7	P	00 09 04.0	-0.6
T39A	Cleaver	24.88	35	P	00 09 04.8	-0.2
T40A	Manfield	24.89	35	P	00 09 04.7	-0.4
S41A	Jilco Farms,	25.25	35	P	00 09 08.0	-0.3
S40A	Lebanon	25.34	35	P	00 09 08.8	-0.3
S42A	Caledonia	25.36	35	P	00 09 10.0	-0.3
S39A	Bolivar	25.53	35	P	00 09 10.5	-0.3
S38A	Chumby, Stover	25.55	35	P	00 09 10.9	-0.2
CCM	Cathedral Cave	25.67	35	eP	00 09 12.0	-0.1
CCM	Cathedral Cave			P	00 09 12.2	0.0
WCI	Wyandotte Cave	25.87	5	P	00 09 12.8	-1.2
WCI	Wyandotte Cave			P	00 09 13.4	-0.5
R41A	Rosebud	25.92	35	P	00 09 14.0	-0.4
R40A	Maddies Statio	26.00	35	P	00 09 14.7	-0.3
R38A	Fenwick Farm,	26.10	35	P	00 09 15.7	-0.3
R39A	Chumby, Stover	26.11	35	P	00 09 15.8	-0.2
Q41A	Truxton	26.57	35	P	00 09 20.0	-0.2
Q47A	Bedonk North L	26.57	4	P	00 09 19.6	-0.6
Q40A	Laux Farm, Aux	26.67	35	P	00 09 20.8	-0.4
Q51A	Peebles	27.02	10	P	00 09 23.7	-0.6
P40A	Paris	27.20	35	P	00 09 25.6	-0.7
P37A	Lathrop	27.54	35	P	00 09 28.0	-0.9
CBKS	Cedar Bluff	28.04	34	eP	00 09 33.4	-0.1
T25A	Trinidad	28.30	33	P	00 09 35.9	-0.2
L40A	Anamosa	29.66	37	P	00 09 47.4	-0.3
L38A	Oak Wood Farm,	29.88	35	P	00 09 49.0	-0.7
K39A	Delaware	30.34	35	P	00 09 53.4	-0.5
K37A	Belmond	30.57	35	P	00 09 55.2	-0.7
J41A	Loganville	30.91	35	P	00 09 58.2	-0.6
J38A	Wedel Dairy, R	31.00	35	P	00 09 58.9	-0.7
J37A	Redenius Farm,	31.10	35	P	00 10 00.2	-0.3
I43A	Langenfeld Bro	31.42	1	P	00 10 02.1	-1.2
I41A	Arkdale	31.60	35	P	00 10 04.6	-0.2
I38A	Scanlan Farm,	31.70	35	P	00 10 05.4	-0.4
H40A	Chili	32.18	35	P	00 10 09.2	-0.8
H37A	Dierke Farm, C	32.29	35	P	00 10 10.8	-0.2
H36A	Jessenland, He	32.39	35	P	00 10 11.2	-0.6
G38A	Ridgeand	32.79	35	P	00 10 14.3	-1.0
G39A	Holcombe	32.87	35	P	00 10 15.1	-0.9
SPMN	Marine on St.	32.92	35	P	00 10 15.8	-0.7
SAML	Samuel	33.23	12	eP	00 10 20.4	+1.0
F40A	Park Falls	33.46	35	P	00 10 20.6	-0.6
F38A	Pierce - Schro	33.58	35	P	00 10 21.2	-1.0
E39A	Mellen	33.94	35	P	00 10 24.4	-0.9
E40A	Wakfield	33.98	35	P	00 10 25.2	-0.5
E38A	The Farm, Brul	34.21	35	P	00 10 26.8	-0.8
D37A	Cotton	34.81	35	P	00 10 31.7	-1.2
PDAR	Pinedale Array	35.18	33	P	00 10 37.8	-1.4
C38A	Sawhill Land.	35.30	37	P	00 10 35.7	-1.4
C35A	Jirik Farms, M	35.48	35	P	00 10 37.6	-1.1
EYMN	Ely	35.54	37	P	00 10 37.2	-2.0
B35A	Bob, Littlefor	36.11	35	P	00 10 43.0	-1.0
AGMN	Agassiz Nation	36.29	35	eP	00 10 44.3	-1.3
AGMN	Agassiz Nation			P	00 10 44.4	-1.1
B34A	Aery, Baudette	36.33	35	P	00 10 44.3	-1.6
NVAR	Mina Array Bea	36.82	32	P	00 10 50.0	-0.5
A33A	Warrod	36.86	35	P	00 10 49.2	-1.2
ULM	Lac du Bonnet	38.21	35	P	00 10 60.0	-1.8
YBH	Yreka Blue Hor	41.49	32	LR	00 30 11.4	
YKA	Yellowknife Ar	53.32	34	P	00 12 59.2	-1.6
WRA	Warramunga Arr	137.83	25	PKP	00 23 08.6	+1.6
CMAR	Chiang Mai Arr	148.41	34	PKPbc	00 23 08.2	+1.1

MPSI	Lahad Datu	7.24	30	S	00 22 45.9	+0.9
PCI	Palu	5.34	24	P	00 21 53.4	-2.5
KDI	Kendari	5.67	20	P	00 21 59.3	-1.2
DAV	Davao City (W)	5.74	9	P	00 22 01.5	+0.1
DAV	Davao City (W)			S	00 23 05.1	-0.8
DAV	Davao City (W)			LR	00 24 28.2	
DAV	Davao City (W)			LR	00 22 06.2	-0.5
MSAI	Masohi	6.13	14	P	00 22 10.9	+1.5
TTSI	Tana Toraja	6.32	13	P	00 22 11.4	-0.9
SJUI	Sorong	6.95	10	P	00 22 20.4	+2.4
SPSI	Sidrap Palu	7.22	23	P	00 22 23.7	+2.1
MYLDM	Malindi	7.24	30	ePn	00 22 20.6	-1.4
BKSI	Bukuluamba	8.05	21	P	00 22 33.8	+0.7
KKM	Kota Kinabalu	9.64	29	P	00 23 05.0	+1.0
MMRI	Maumere	10.23	19	P	00 23 05.6	+2.7
EDFI	Ende, Flores	10.48	19	P	00 23 07.6	+1.2
SOEI	Soe	11.05	18	P	00 23 15.2	+0.9
SOEI	Soe			Pn	00 23 18.5	+4.3
BATI	Baumata	11.54	18	P	00 23 20.4	-0.5
BATI	Baumata			LR	00 28 05.3	
BAKI	Biak	11.71	10	P	00 23 24.6	+1.5
SBUM	Sibu	12.50	27	P	00 23 31.6	-2.3
SBUM	Sibu			P	00 23 45.0	+1.0
STKI	Sintang	12.56	25	P	00 23 43.4	-1.0
KSM	Kuching	14.37	27	ePn	00 23 57.6	-1.7
PWJI	Panigajajo	15.57	24	LR	00 24 32.9	+1.1
GENI	Geniem	15.98	10	P	00 24 31.9	+9.2
JAY	Jayapura	16.48	10	P	00 24 27.9	-0.4
KPJI	Karang Pucung	17.93				

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SYOA, GSPA, QSPA, DAWY, TORDI, TXAR, MIAR, LPAZ.

GUC 01:00:37.26.3.0.6, 37.485:74.02W, h30km, 5km, ML3.8, Off

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CCSP, TMU, CCHI, GO06, GO05, PLCA.

ISK 01:00:38.36.1, 38.66N:43.02E, h14km, ML2.1/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, ADCV, GEVA, VMUR, TUTA, GURU, ILAR.

IDC 01:00:41.15.9.1.1.0, 11.73S:166.79E, h0km, mb4.0/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, ASAR, MA2, MKAR.

IDC 01:01:04.12.6.1.9, 11.40S:117.97E, h0km, mb4.0/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

ISK 01:01:16.09.9, 38.64N:43.05E, h20km, ML1.8/2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:11.47.3.0.6, 54.78N:0.09, h86km, mb3.8/10

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:11.48.6.1.0, 54.93N:0.16, h62W, 0.08, h86km, n73, s164/75, mb4.0/10, Alaska Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDPT, BALA, WNVF.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like VNFV, VNHG, FALS, CHGN, SSSL, WESE, WEBT, WESP, ANNW, AKSA, AKUT, AHB, AKLV, AKGS, AKRB, UNLV, PLK4, PLK1, MTKB, MNAT, MSW, MSW, MREP, SJK, CAHL, ANJ, MGLS, OKID, OKER, OKSO, OHAK, KAWH, NIKH, KDAD, KDKA, CDD, SVWZ, GNP, RDWB, BRLK, TOTO, RCO1, RCO2, ATKA, PPLA, KNK, HEVA, GLI, FID, JPK, EYAK, DIV, ILAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, FINES, NB2, NOAR, BVF, HFS, MKAR, AKTO, AKASE, GERES, CMAR, ESDC.

ISK 01:01:16.09.9, 38.64N:43.05E, h20km, ML1.8/2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VANB, ADCV, GEVA, VMUR, TUTA, GURU, ILAR.

IDC 01:01:21.27.1.0.6, 15.95S:173.10W, h0km, mb4.1/12

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:21.31.3.0.6, 15.95S:173.20W, h26km, n62, s152/50, mb4.3/25, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:21.32.0.0.4, 15.81S:173.21W, h35km, mb4.6/16

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.03.1, 38.68N:43.03E, h14km, 4km, ML1.9/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.04.5, 38.67N:43.08E, h7km, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like THZ, RPZ, ARMA, PMG, STKA, STKA, BBOO, WB2, WR1, WRA, AS01, AS31, ASAR, PMPB, RCWM, DAC, YBH, GSPA, NV01, NVAR, CO3A, TMUT, HLID, LTX, TXS1, TXAR, ANMO, ANMO, WRH, PD31, PDAR, PDAR, SMCB, CCB, ILAR, ILB, 059A, CLL, DPC, KRC2, KHC, GECE, GERES, BR10, BRTR, CONA, FETA, ABTA, MMAI, DAVOX, DAVOX.

IDC 01:01:24.51.5.2.3, 85.49N:15.44E, h0km, mb3.4/2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPITS, SPITS, ARCES, ARCES, NOA, HFS, INK, ILAR, ARU, BVAR, ZALV, AKTO, MKAR, KBZ, GNI, YBH, NVAR, ANMO.

IDC 01:01:37.03.1, 38.68N:43.03E, h14km, 4km, ML1.9/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.04.5, 38.67N:43.08E, h7km, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.03.1, 38.68N:43.03E, h14km, 4km, ML1.9/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.04.5, 38.67N:43.08E, h7km, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

IDC 01:01:37.03.1, 38.68N:43.03E, h14km, 4km, ML1.9/3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WBSI, WSI, TWSI, INGB, DPNS, SRBI, EDFI, JAGI, MMRI, GMJI, BATI, BLJI, BKSI, PWJI, WRA, ASAR, TGTY, CMAR, SONM, MKAR, ZALV.

HUIG Huatulco 2.75 285 eP Pn 04 44 29.4 -4.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Amami Oshima, Kikushima, Amaminishikomi, etc.

ISK 01 05:15:44.9,38'69"N,43'28"E, h14km,2km, ML2/3 DDA 01 05:45:04.1,38'72"N,43'30"E, h7km, ML2/7

ISC 01 05:15:46.1,0.38,73N,0.03,43,30E,0.04,h8km,9gkm, n11,c153/21,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Van, Van-Muradiye, Geva, etc.

IDC 01 05:26:19.3,1.7,0.83N,126'56"E,h0km,mb3.9/4, mb1 4.0/4,mb1mx3.5/7,mbtmp3.9/4,Error ellipse: s-maj=178.0km s-min=20.5km az=66.0,Northern Molucca Sea

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

NIED 01 05:34:00,37'70"N,144'50"E,h8km,Mw3.5 Best double couple: M2,12000,104,NP1,33,0000,828,00000, 1-77,00000, NP2,99,180,0000,863,00000,

JMA 01 05:34:26.7,0.2,37.73N,144.47E,h35km,M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ouri, Ofunato, Ichinoseki, etc.

IDC 01 05:45:52.0,12.0,30.30S,179.99W,h275km,138km, mb3.3/3,mb1 3.5/4,mb1mx3.1/4,mbtmp3.0/4,Error ellipse: s-maj=155.1km s-min=30.5km az=2.0

WEL 01 05:46:04.1,1.2,32'S,83'18'00"W,1.7,h305km,24km

ISC 01 05:46:00.4,1.1,31.80S,0.08,179.9E,0.1,h350km,n36, c175/52,mb3.4/3,Kermadec Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Black Hill Sta, Moawhango, Kereru, etc.

IDC 01 06:08:45.0,2.1,38'89N,50'05E,h0km,mb3.7/8, mb1 3.9/13,mb1mx3.6/6,mbtmp3.8/13,ML4,2/4,Error ellipse: s-maj=39.5km s-min=16.3km az=178.0

MOS 01 06:08:49.2,1.9,39'16N,50'20E,h25km,mb4.2/7,Error ellipse: s-maj=12.6km s-min=6.6km az=120.4

AZER 01 06:08:51.1,0.0,38'94N,49'98E,h42km,mi3.6/27,Error ellipse: s-maj=2.5km s-min=1.0km az=322.0

NNC 01 06:08:54.9,3.0,39'26N,52'11E,h0km,mb4.1,mpv4.0, Error ellipse: s-maj=30.7km s-min=1.4km az=57.0

ISC 01 06:08:49.4,1.4,38'95N,0'04,50'21E,0.05,h31km,10km, n64,c157/92,mb3.7/1,2,2C,26,Caspian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Lenkeran, Azer, ASTRA, ALIB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kurchatov, Makanchi Array, FINESS, etc.

SKHL 01 06:48:51.8,0.1,44'54N,146'34E,h145km,4km,mb4.3/5, msh4.9/4

ISCJB 01 06:48:52.1,2.1,44'54N,0'14,146'4E,0.1,h157km,11km, Error ellipse: s-maj=24.2km s-min=9.9km az=143.6

JMA 01 06:48:52.7,0.4,44'55N,146'43E,h153km,M3.3

ISC 01 06:48:50.9,2.5,44'55N,0'14,146'4E,0.1,h166km,16km, n15,c116/24,Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Yuzh-Kuril'sk, YUK, GRPR, etc.

ISK 01 06:49:00.8,37'87N,26'69E,h5km,ML2.9/7

ATH 01 06:49:02.1,37'83N,26'66E,h13km,3km,ML2.9/7,Error ellipse: s-maj=3.4km s-min=1.1km az=98.0

DDA 01 06:49:02.0,37'88N,26'72E,h4km,ML3.5

ISC 01 06:49:01.5,0.9,37.85N,0.02,26.70E,0.02,h14km,8km, n41,c487/59,Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Samos, DGB, UZLA, etc.

1d 8h

Table with columns: IOSP, S, Sg, 06 49 53.7 +1.0, 06 49 56.1, MRKS, 37nm,0.2s, eS, Sg, 07 43 25.3 -0.4, ZAA0, ZALV, ZALV, 14.51 352 ePn, Pn, 07 48 23.8 -0.4, 07 48 21.1 -3.2, ZALV, 14.51 352 Pn, Pn, 07 52 39.8, 07 54 43.8, ZALV, 14.51 352 ePn, Pn, 07 48 23.4 -0.9, 07 52 39.8, 07 48 21.1 -3.3, CD2, Chengdu, 15.36 120 ePn, Pn, 07 48 33.3 -2.6, SONA0, Songino Array, 15.45 52 ePn, Pn, 07 48 34.4 -2.7, SONM, Songino Array, 15.45 52 ePn, Pn, 07 48 34.4 -2.7, SONM, 0.4nm,0.3s,baz=238,slow=18,SNR=3.7, Lg, 07 53 02.5, KBL, Kabul, 16.13 258 ePn, Pn, 07 48 46.0 0.0, BVAR, Borovoye Array, 18.13 323 P, P, 07 49 09.3 -1.5, BVAR, 0.2nm,0.3s,baz=123,slow=10,SNR=9.7, Lg, 07 54 32.5, BRVK, Borovoye, 18.20 323 ePn, Pn, 07 49 10.3 -1.4, ABKAR, Abkular array, 22.26 305 eP, P, 07 59 51.1 +0.2, CMAR, Chiang Mai Arr, 23.05 153 P, P, 07 50 03.5 -1.0, CM01, Chiang Mai Arr, 23.09 153 eP, P, 07 50 02.9 -2.0, AKTO, Aktyul Array, 23.77 307 P, P, 07 50 11.5 0.0, ARU, Ari, 25.71 321 P, P, 07 50 29.8 +0.6, ARU, Ari, 25.71 321 eP, P, 07 50 28.6 -0.5, KRSR, Korea Array, 30.95 81 LR, LR, 08 04 37.4, BR101, Keskin Array S, 41.46 288 eP, P, 07 52 47.5 +1.4, BRTR, Keskin Array E, 41.46 288 eP, P, 07 52 47.5 +1.4, ASF, Jabal al Asfar, 41.77 276 LR, LR, 08 13 01.1, AKASO, Malin Array Be, 42.00 305 P, P, 07 52 50.4 +0.2, FIA0, FINES Array S, 43.07 322 eP, P, 07 52 58.9 +0.1, FINES, FINES Array B, 43.07 322 P, P, 07 52 58.9 +0.1, ARA0, ARCESS Array S, 44.01 333 eP, P, 07 53 07.0 +0.7, ARCES, ARCESS Array B, 44.01 333 eP, P, 07 53 07.0 +0.7, ARCES, 2.9nm,1.1s,baz=93,slow=7.2,SNR=3.2, P, P, 07 54 51.4 +2.9, HFS, Hagfors, 49.23 320 P, P, 07 53 46.9 -0.3, NB2, NORARS Subarra, 50.25 322 P, P, 07 53 54.9 -0.2, NOA, NORARS Array B, 50.25 322 P, P, 07 53 55.2 +0.1, ILAR, Eielson Array, 67.79 22 P, P, 07 55 53.1 -0.9, WR1, Warramunga Arr, 73.24 135 P, P, 07 56 29.6 -0.9, WRA, Warramunga Arr, 73.24 135 P, P, 07 56 29.6 -0.9, ASAR, Alice Springs, 76.04 377 P, P, 07 56 46.3 -0.4, TOA1, Torodi Arr. Sit, 79.17 278 eP, P, 07 57 03.4 -0.6, TORD, Torodi Arr. Sit, 79.17 278 P, P, 07 57 03.4 -0.6

NNC 01 07:22:19.5:2.2,53°67'N:88°20'E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=17.1km s-min=9.4km az=60.0, Suspected Mining explosion, IDC 01 07:22:24.3:3,53°66'N:88°01'E, h0km, mb1.3/1.2, mb1mx2.8/73, mbtmp3.1/2, ML2.8/2, 5C-7D, Error ellipse: s-maj=33.9km s-min=18.8km az=84.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, I46RU, ZALESOVO INFRA, 1.92 280 iP, Pn, 07 24 55.0, ZAA0, Zalesovo Array, 1.92 280 iP, Pn, 07 22 56.1 -0.2, ZAA0, 83nm,0.8s, iLg, Lg, 07 23 24.7, ZALV, Zalesovo Beam, 1.92 280 Pn, Pn, 07 22 55.9 -0.3, ZALV, 2.7nm,0.3s,baz=97,slow=9.3,SNR=20, Sn, Sb, 07 23 22.8 +0.2, KURK, Kurchatov, 6.58 247 iLg, Sn, 07 25 15.3 +1.7, KURBB, Kurchatov Arra, 6.58 246 iLg, Pn, 07 24 00.7 +0.4, KURBB, 0.2nm,0.3s,baz=62,slow=14,SNR=8.2, Lg, 07 25 50.8, KURBB, 0.1nm,0.3s,baz=60,slow=32,SNR=9.6, Lg, 07 25 50.8, KURBB, Kurchatov Arra, 6.58 246 iLg, Pn, 07 24 00.7 +0.4, KURBB, 6.3nm,0.6s, iLg, Sn, 07 25 15.4 -0.5, KURBB, iLg, Lg, 07 25 50.3, MK31, Makanchi Array, 7.79 210 iLg, Pn, 07 24 15.7 -1.2, MK31, 0.1nm,0.3s,baz=249,slow=23,SNR=7.1, iLg, Sn, 07 25 46.1 +0.4, MK31, 1.0nm,0.8s,baz=26,slow=23,SNR=4.8, iLg, Lg, 07 26 28.4, MK31, Makanchi Array, 7.79 210 iLg, Pn, 07 24 18.0 +1.1, MKAR, 0.2nm,0.3s,baz=25,slow=12,SNR=7.2, Sn, 07 25 46.1 +0.4, MKAR, 0.2nm,0.3s,baz=31,slow=26,SNR=6.3, Lg, 07 26 28.6, MAKZ, Makanchi, 7.87 212 iLg, Pn, 07 24 15.0 -3.1, MAKZ, 0.1nm,0.6s, iLg, Sn, 07 25 48.1 +0.3, MAKZ, 3.9nm,0.9s, iLg, Lg, 07 26 32.7

MEX 01 07:24:11.7:0.4,27°86'N:111°93'W, h5km,7km, MD3.5, Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, SRIG, Santa Rosalia, 0.61 207 eP, Pn, 07 24 22.7 -0.6, SRIG, eS, Pn, 07 24 31.4 +0.2, GUYB, Guaymas, 0.94 87 eP, Pn, 07 24 27.6 -2.1, GUYB, eS, Pn, 07 24 39.3 -2.5, HUGB, 1.44 37 eP, Pn, 07 24 35.0 -3.4

NNC 01 07:42:27.4:0.5,42°65'N:75°69'E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=3.4km s-min=1.6km az=118.0, SOME 01 07:42:27.7,42°70'N:75°70'E, h15km, IDC 01 07:42:28.5:1.0,42°72'N:0°03:75.64E:0.02, h12km,8km, n33, c1942/53, 11C-7D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, TKM2, Tokmak 2, 0.21 351 iLg, Pn, 07 42 33.0 -0.2, TKM2, 75nm,0.3s, iLg, Pn, 07 42 33.0 -0.2, KST, Kastek, 0.40 36 eP, Pn, 07 42 36.1 -0.5, KST, 46nm,0.2s, eS, Pn, 07 42 42.5 -1.4, KBK, Karagaybulak, 0.51 264 iLg, Pn, 07 42 38.8 -0.8, DGS, Degeres, 0.54 10 eP, Pn, 07 42 38.9 -0.2, DGS, 11nm,0.1s, eS, Sb, 07 42 46.7 -0.9, ULHL, Ulahol, 0.65 136 iLg, Pn, 07 42 39.6 -1.5, KZA, Kyzart, 0.70 205 iLg, Pn, 07 42 41.5 -0.7, CHMS, Chumysh, 0.71 294 iLg, Pn, 07 42 42.1 -0.3, MTBS, Maitube, 0.71 54 iLg, Pn, 07 42 41.7 -0.7, MTBS, 31nm,0.3s, eS, Sb, 07 42 52.0 -0.7, IZV, Izvestkoviy, 0.78 66 eP, Pn, 07 42 43.0 -0.7, IZV, 22nm,0.1s, eS, Pn, 07 42 54.4 -0.4, AAK, Ala-Archa, 0.85 265 iLg, Pn, 07 42 44.6 -0.4, AAK, 3.3nm,0.3s, iLg, Sb, 07 42 56.8 +0.1, UCH, Uchtor, 0.97 240 iLg, Pn, 07 42 46.4 -0.8, USP, Oспенovka, 1.00 304 iLg, Pn, 07 42 47.4 -0.5, TNSS, Tian-Shan, 1.01 71 eP, Pn, 07 42 47.2 -1.1, TNSS, 21nm,0.4s, eS, Sn, 07 43 01.5 -1.8, KOTS, Kotyrbulak, 1.20 64 eP, Pn, 07 42 50.8 -0.7, KOTS, 23nm,0.5s, eS, Sn, 07 43 08.1 +0.5, KTBS, Karatobe, 1.25 37 eP, Pn, 07 42 51.6 -0.6, KTBS, 12nm,0.2s, eS, Sg, 07 43 09.3 +0.4, KUU, Kurty, 1.28 23 eP, Pn, 07 42 52.0 -0.6, KUU, 9.9nm,0.2s, eS, Sg, 07 43 09.8 -0.1, EKS2, Erkin-Say, 1.38 268 P, Pn, 07 42 54.7 -0.3, CHKK, Chushkaly, 1.50 40 eP, Pn, 07 42 56.0 -0.4, CHKK, 8.5nm,0.4s, eS, Sg, 07 43 16.7 -0.2, AML, Almayashu, 1.56 249 P, Pn, 07 42 57.4 -1.0, MRKS, Merke, 1.78 272 eP, Pn, 07 43 00.9 -0.2

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Table with columns: MRKS, 37nm,0.2s, eS, Sg, 07 43 25.3 -0.4, KURS, Kuram, 2.01 67 eP, Pn, 07 43 04.6 -0.3, KURS, 1.1nm,0.4s, eP, Pn, 07 43 31.9 -1.2, ZHN, Zhnishiske, 2.10 77 eP, Pn, 07 43 06.8 +0.2, ZHN, 20m,0.3s, eS, Sg, 07 43 35.6 -0.5, ARXS, Arharly, 2.19 46 eP, Pn, 07 43 08.2 +0.2, ARXS, 5.5nm,0.2s, eS, Sg, 07 43 37.6 -1.1, MNAS, Manas, 2.33 265 iLg, Pn, 07 43 10.4 0.0, MNAS, 3.7nm,0.4s, iLg, Lg, 07 43 43.2, KPKS, Kokpek, 2.35 70 eP, Pn, 07 43 11.0 +0.1, KPKS, 3.7nm,0.2s, eS, Sg, 07 43 43.2 -0.9, UZB, 9.5nm,0.4s, eS, Sg, 07 43 47.6 -1.9, BTLS, Baital, 2.59 334 eP, Pn, 07 43 16.3 -1.9, BTLS, 5.1nm,0.3s, eS, Sg, 07 43 51.8 -0.1, SHLS, Shalkode, 2.84 80 eP, Pn, 07 43 25.1 +2.1, SHLS, 7.3nm,0.1s, eS, Sg, 07 44 06.7 +7.0, PDGK, Podgomoye, 2.89 76 iLg, Pn, 07 43 19.1 -0.9, PDGK, 4.7nm,0.7s, iLg, Lg, 07 43 58.9, KTMS, Ketmen, 3.53 76 eP, Pn, 07 43 31.8 +0.9, KTMS, 1.5nm,0.2s, eS, Sg, 07 44 19.0 -2.8, KK31, Karatay Array, 3.79 278 iLg, Pn, 07 43 37.3 +2.0, KK31, 0.9nm,0.3s,baz=92,slow=18,SNR=1.5, Lg, 07 44 28.8, MK31, Makanchi Array, 6.25 47 iLg, Pn, 07 44 02.7 +2.2

SOME 01 07:44:51.7,38°45'N:84°80'E, h5km, ISCBJ 01 07:44:56.7:0.3,39°73'N:0°04:88°29'E:0.04, h10km, mb3.8/14, MS3.6/2, Error ellipse: s-maj=5.8km, s-min=3.7km az=38.1, IDC 01 07:44:57.0:0.7,39°62'N:88°35'E, h0km, mb3.9/13, mb1.4/0.18, mb1mx3.8/76, mbtmp3.9/18, ML3.7/5, MS3.2/5, MS1.3/2.5, ms1mx2.7/71, Error ellipse: s-maj=30.6km s-min=13.5km az=48.0, NNC 01 07:44:58.4:2.0,39°75'N:88°38'E, h8km,11km, mb4.2, mpv4.0, Error ellipse: s-maj=14.7km s-min=13.5km az=101.0, BUJ 01 07:44:58.3,39°58'N:88°30'E, h6km, mb3.9/11, ML3.9/13, NEIC 01 07:44:58.3:0.3,39°66'N:88°35'E, h10km, mb4.4/4, Error ellipse: s-maj=6.9km s-min=5.0km az=59.0, ISC 01 07:44:59.0:0.5,39°63'N:0°06:88°23'E:0.05, h10km, n60, c186/68, mb3.8/14, 3C-8D, South Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, WMQ, Urumqi, 4.21 355 Op, Pn, 07 47 05.8 +2.5, WMQ, Sg, Sg, 07 47 13.4 -0.6, WMQ, smax, smax, WMQ, comp=N,630nm,1.3s, smax, smax, KTMS, Ketmen, 7.03 305 eP, Pn, 07 46 44.7 +2.5, KTMS, 18nm,0.4s, eS, Sn, 07 48 06.4 +4.2, SHLS, Shalkode, 7.47 301 eP, Pn, 07 46 46.3 -1.9, SHLS, 17nm,0.4s, eS, Sn, 07 48 08.7 -4.5, PDGK, Podgomoye, 7.53 302 iLg, Pn, 07 46 49.5 +0.5, PDGK, 10nm,0.7s, iLg, Sn, 07 48 16.4 +1.9, PDGK, 30nm,0.7s, iLg, Lg, 07 48 58.7, UZB, Uzynbulak, 7.76 300 eP, Pn, 07 46 53.4 +1.2, UZB, 7.9nm,0.6s, eS, Sn, 07 48 20.7 +0.5, PRZ, Przeval'sk, 7.96 294 ePn, Pn, 07 46 54.7 -0.2, KPKS, 9.5nm,0.4s, eS, Sn, 07 48 27.6 -1.3, ZHN, Zhnishiske, 8.17 299 eP, Pn, 07 46 58.8 +1.1, ZHN, 4.8nm,0.4s, eS, Sn, 07 48 29.9 -0.2, MK01, Makanchi Array, 8.35 331 ePn, Pn, 07 46 59.5 -0.5, MK31, Makanchi Array, 8.37 331 iLg, Pn, 07 46 59.9 -0.5, MK31, 2.2nm,0.3s,baz=146,slow=13,SNR=4.4, iLg, Sn, 07 49 22.4, MK31, 2.2nm,0.4s, iLg, Lg, 07 49 22.4, MK31, 9.1nm,0.8s, ePn, Pn, 07 47 00.1 -0.3, MK32, Makanchi Array, 8.37 331 ePn, Pn, 07 47 00.3 -0.1, MK32, 0.4nm,0.3s, eS, Sn, 07 47 00.3 -0.1, MKAR, Makanchi Array, 8.37 331 Pn, Pn, 07 47 00.3 -0.1, MKAR, 1.8nm,0.3s,baz=143,slow=14,SNR=4.6, Sn, 07 48 31.8 -3.1, MKAR, 0.7nm,0.3s,baz=148,slow=20,SNR=3.6, Lg, 07 49 21.8, MKAR, 0.4nm,0.3s,baz=140,slow=30,SNR=3.5, LR, 07 50 44.4, MAKZ, Makanchi, 8.50 330 iLg, Pn, 07 47 01.5 -0.7, MAKZ, 2.2nm,0.6s, iLg, Sn, 07 48 37.1 -1.0, MAKZ, 2.9nm,0.5s, iLg, Lg, 07 49 27.0, MAKZ, Makanchi, 8.50 330 ePn, Pn, 07 47 02.0 -0.1, GTA, Gaotai, 8.95 88 eP, Pn, 07 47 09.1 +0.6, GTA, pP, Pn, 07 47 12.9 -3.8, GTA, pS, Pn, 07 47 15.3 -3.8, GTA, pmax, pmax, TNSS, Tian-Shan, 9.15 295 eP, Pn, 07 47 13.4 +2.0, TNSS, 7.3nm,0.3s, eS, Pn, 07 48 55.5 +0.9, TNSS, 11nm,0.5s, eS, Pn, 07 47 20.7 +4.2, KST, Kastek, 9.84 294 eP, Pn, 07 47 22.1 +1.4, TKM2, Tokmak 2, 10.06 293 Pn, Pn, 07 47 23.5 -0.3, TKM2, 10.06 293 Sn, Sn, 07 49 18.6 +1.8, AAK, Ala-Archa, 10.79 291 Pn, Pn, 07 47 33.5 -0.2, AAK, 0.9nm,0.3s,baz=121,slow=12,SNR=2.6, Sn, 07 49 33.8 -0.7, AAK, 1.3nm,0.3s,baz=249,slow=10,SNR=2.3, Lg, 07 50 43.5, AAK, 0.4nm,0.3s,baz=306,slow=16,SNR=1.8, LR, 07 52 39.7, KURBB, Kurchatov Arra, 12.94 331 Pn, Pn, 07 47 59.2 -3.6, KURBB, 0.1nm,0.3s,baz=138,slow=13,SNR=8.7, Lg, 07 51 46.5, KURBB, 0.1nm,0.3s,baz=138,slow=13,SNR=8.7, Lg, 07 47 59.7 -3.1, KURBB, 2.5nm,0.6s, iLg, Lg, 07 51 48.8, KURK, Kurchatov, 12.98 332 ePn, Pn, 07 47 59.2 -4.2, KURK, 12.98 332 Lg, Lg, 07 51 46.5, NIL, Nilore, 13.42 248 ePn, Pn, 07 48 07.9 -1.7, SHL, Shilling, 14.36 167 ePn, Pn, 07 48 22.3 -0.2, SHL, eSn, Sn, 07 50 37.8 -2.4

Table with columns: ZAA0, Zalesovo Array, 14.51 352 ePn, Pn, 07 48 23.8 -0.4, ZALV, Zalesovo Beam, 14.51 352 Pn, Pn, 07 48 21.1 -3.2, ZALV, 0.4nm,0.3s,baz=171,slow=10,SNR=4.1, Lg, 07 52 39.8, ZALV, 14.51 352 ePn, LR, LR, 07 54 43.8, ZALV, 14.51 352 ePn, Pn, 07 48 23.4 -0.9, ZALV, 14.51 352 Lg, Lg, 07 52 39.8, CD2, Chengdu, 15.36 120 ePn, Pn, 07 48 33.3 -2.6, SONA0, Songino Array, 15.45 52 ePn, Pn, 07 48 34.4 -2.7, SONM, Songino Array, 15.45 52 ePn, Pn, 07 48 34.4 -2.7, SONM, 0.4nm,0.3s,baz=238,slow=18,SNR=3.7, Lg, 07 53 02.5, KBL, Kabul, 16.13 258 ePn, Pn, 07 48 46.0 0.0, BVAR, Borovoye Array, 18.13 323 P, P, 07 49 09.3 -1.5, BVAR, 0.2nm,0.3s,baz=123,slow=10,SNR=9.7, Lg, 07 54 32.5, BRVK, Borovoye, 18.20 323 ePn, Pn, 07 49 10.3 -1.4, ABKAR, Abkular array, 22.26 305 eP, P, 07 59 51.1 +0.2, CMAR, Chiang Mai Arr, 23.05 153 P, P, 07 50 03.5 -1.0, CM01, Chiang Mai Arr, 23.09 153 eP, P, 07 50 02.9 -2.0, AKTO, Aktyul Array, 23.77 307 P, P, 07 50 11.5 0.0, ARU, Ari, 25.71 321 P, P, 07 50 29.8 +0.6, ARU, Ari, 25.71 321 eP, P, 07 50 28.6 -0.5, KRSR, Korea Array, 30.95 81 LR, LR, 08 04 37.4, BR101, Keskin Array S, 41.46 288 eP, P, 07 52 47.5 +1.4, BRTR, Keskin Array E, 41.46 288 eP, P, 07 52 47.5 +1.4, ASF, Jabal al Asfar, 41.77 276 LR, LR, 08 13 01.1, AKASO, Malin Array Be, 42.00 305 P, P, 07 52 50.4 +0.2, FIA0, FINES Array S, 43.07 322 eP, P, 07 52 58.9 +0.1, FINES, FINES Array B, 43.07 322 P, P, 07 52 58.9 +0.1, ARA0, ARCESS Array S, 44.01 333 eP, P, 07 53 07.0 +0.7, ARCES, ARCESS Array B, 44.01 333 eP, P, 07 53 07.0 +0.7, ARCES, 2.9nm,1.1s,baz=93,slow=7.2,SNR=3.2, P, P, 07 54 51.4 +2.9, HFS, Hagfors, 49.23 320 P, P, 07 53 46.9 -0.3, NB2, NORARS Subarra, 50.25 322 P, P, 07 53 54.9 -0.2, NOA, NORARS Array B, 50.25 322 P, P, 07 53 55.2 +0.1, ILAR, Eielson Array, 67.79 22 P, P, 07 55 53.1 -0.9, WR1, Warramunga Arr, 73.24 135 P, P, 07 56 29.6 -0.9, WRA, Warramunga Arr, 73.24 135 P, P, 07 56 29.6 -0.9, ASAR, Alice Springs, 76.04 377 P, P, 07 56 46.3 -0.4, TOA1, Torodi Arr. Sit, 79.17 278 eP, P, 07 57 03.4 -0.6, TORD, Torodi Arr. Sit, 79.17 278 P, P, 07 57 03.4 -0.6

ISK 01 07:46:16.6,6.38°73'N:43°29'E, h7km, ML3.1/7, ISCBJ 01 07:46:17.3:0.5,38°73'N:0°02:43°31'E:0.04, h0km,5km, Error ellipse: s-maj=5.5km s-min=3.7km az=29.3, DDA 01 07:46:17.5,38°70'N:43°30'E, h7km, ML3.2, ISC 01 07:46:17.8:0.9,38°73'N:0°03:43°03'E:0.03, h12km,7km, n32, c078/44, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, VANB, Van, 0.15 152 Op, Pn, 07 46 21.8 +0.2, VANB, Sg, Sb, 07 46 26.3 +2.3, TVAN, Van, 0.21 157 iP, Pn, 07 46 21.6 -0.9, ERCV, ERCS-VAN, 0.29 6 PG, Pn, 07 46 22.9 -1.0, VMUR, Van-Muradiye, 0.34 39 iP, Pn, 07 46 24.0 -0.9, VMUR, eS, Pn, 07 46 31.6 +0.3, GEVA, Geva, 0.46 205 iS, Pn, 07 46 25.7 -1.1, GEVA, iS, Pn, 07 48 37.3 +0.8, ADCV, Bitlis-Adilcev, 0.46 280 iP, Pn, 07 46 26.6 -0.3, ADCV, iS, Sb, 07 46 34.7 -0.1, CLDR, Caldiran, 0.64 49 PG, Pn, 07 46 29.4 -0.8, CLDR, Sg, Pn, 07 46 38.7 +0.1, CLDR, iS, Sb, 07 46 29.4 +0.8, CLDR, iS, Sb, 07 46 40.7 +0.8, TUTA, Tutak, 0.77 331 iP, Pn, 07 46 31.6 -1.2, AGRB, Hanur-Agry, 0.88 344 PG, Pn, 07 46 33.8 -1.0, AGRB, Sg, Pn, 07 46 46.5 +0.1, GJRO, Guroymak-BITLI, 1.01 260 Sg, Pn, 07 46 35.9 +1.4, EKAR, Karacovan, 1.10 289 iP, Pn, 07 48 30.0 +0.1, IGDJ, IGDIR, 1.29 238 iP, Pn, 07 46 42.0 0.0, EATA, Eleskirt, 1.30 331 iP, Pn, 07 46 42.1 +0.1, EATA, iS, Pn, 07 47 00.5 +0.9, SRTM, Siirt_Merkez, 1.31 236 iP, Pn, 07 46 42.1 -0.2, SRTM, iS, Pn, 07 47 00.5 +0.7, SIRT, Siirt, 1.40 209 Pn, Pn, 07 46 43.1 -0.1, TASB, TASBURUN-IGDIR, 1.45 30 Pn, Pn, 07 46 43.9 0.0, VRTB, Varto-Mus, 1.50 287 Pn, Pn, 07 46 44.5 -0.2, DIGO, Kars, 1.69 2 iP, Pn, 07 46 50.4 +0.2, BNGL, BINGOL, 1.69 278 iP, Pn, 07 46 48.6 -0.4, BNGL, iS, Sg, 07 47 13.3 -0.0, SVAN, Silvan-Diyarba, 1.75 251 Pn, Pn, 07 46 48.0 0.0, SVAN, iS, Pn, 07 47 13.6 -0.4, SVAN, iS, Pn, 07 46 49.4 -0.4, BTMM, Batman, 1.80 243 iS, Pn, 07 46 51.0 +0.2, BTMM, iS, Pn, 07 47 14.6 -1.2, GNI, Garni, 1.81 38 Pn, Pn, 07 46 48.9 0.0, ERZM, Erzurum, 1.91 309 iP, Pn, 07 46 55.0 +0.7, SENK, Senkaya-Erzuru, 1.97 338 Pn, Pn, 07 46 51.3 +0.1, BNGB, Bing'li, 2.06 378 Pn, Pn, 07 47 02.3 -0.1, DAGI, Agililar, 2.06 276 Pn, Pn, 07 47 06.0 -1.2, MAZI, Mazidag, 2.58 342 Pn, Pn, 07 47 09.2 +0.2, DBAD, Bademkaya, 2.60 332 iP, Pn, 07 47 07.4 -0.2, PTK, Petek, 3.02 274 Pn, Pn, 07 47 07.3 +0.2, SVRC, Sivrice-ELAZIG, 3.15 265 Pn, Pn, 07 47 08.3 +0.9

MEX 01 08:01:16.6:1.0,16°38'N:98°31'W, h1km, MD3.6, Near coast of Guerrero Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, PNIG, Pinotepa, 0.17 87 iP, Pn, 08 01 19.4 -0.6, PNIG, iS, Pn, 08 01 22.2 0.0, TLIG, Tlapa, 1.20 348 iP, Pn, 08 01 36.3 -3.3, TLIG, eS, Pn, 08 01 51.7 -3.5, VHO, Vista Hermosa, 1.66 65 eP, Pn, 08 01 44.3 -2.7, MEIG, Mezcala, 1.98 321 eP, Pn, 08 01 48.5 -2.8, CAIG, El Cayaco, 1.99 290 eP, Pn, 08 01 48.0 -3.4, CAIG, eS, Sn, 08 02 11.7 -5.3, HUGI, Huatulco, 2.20 106 eP, Pn, 08 01 52.8 -1.6

ISCJB 01 08:05:42.3:0.5, 16°36'S:0°10:174°3'W:0.1, h100km, mb3.9/16, Error ellipse: s-maj=19.5km s-min=9.4km az=36.1, IDC 01 08:05:44.2:2.8, 16°37'S:174°26'W, h105km,25km, mb3.7/16, mb1.3.9/17, mb1mx3.8/49, mbtmp4.1/17, Error ellipse: s-maj=22.6km s-min=13.1km az=131.0, ISC 01 08:05:43.4:0.6, 16°45'S:0°10:174°2'W:0.1, h100km, n25, c1948/22, mb4.0/16, Tonga Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, AFI, Afiamalu, 3.42 43 P, Pn, 08 06 36.0 +1.1, AFI, 54nm,0.3s,baz=200,slow=2.4,SNR=6.1, S, Sn, 08 07 11.3 -3.2, AFI, 22nm,0.3s,baz=32,slow=22,SNR=23, S, Sn, 08 10 40.7 +0.5, URZ, Urewera, 23.06 198 P, Pn, 08 14 38

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 39.48 331 T, WAKE ISLAND Hy 39.48 331 T, WAKE ISLAND Hy 40.44 332 T, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA 2.56 290 I, Zalesovo Beam 2.56 290 Pn, ZALV 1.1nm,0.3s,baz=104,slow=15,SNR=10 Sn, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Cerro Villucun 0.24 100 I, Zonda 0.26 166 I, San Juan 0.29 145 I, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA 2.00 278 I, Zalesovo Beam 2.00 278 Pn, ZALV 3.9nm,0.3s,baz=92,slow=14,SNR=13 Sn, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Bozova 0.33 176 I, Akcadag 0.56 331 I, Urfu 0.57 129 P, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like KUZU Kuzuini 1.40 223 I, PTK Pertek 1.40 39 P, KEMA Kemaliye 1.48 7 I, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like YOZ Yozgat 0.57 404 +0.2, CUSAR Sarkisla-SIVAS 0.70 93 I, AVNS Nevsehir-Avano 0.76 211 eP, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Kawauchi 1.02 291 Op, Iwakimizuishi 1.02 276 P, Fukushimafurud 1.21 275 eP, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Honiara 1.73 92 eP, Honiara 1.73 92 eS, Honiara 1.73 92 ePn, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Waramunga Arr 25.32 243 P, Stephens Creek 27.21 212 P, Alice Springs 27.21 212 P, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like VANB Van 0.26 105 Op, TVAN Van 0.30 117 I, BITLIS Adilcev 0.31 299 I, etc.

Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22ap + CD-ROM, 2014) NNC 01 09:23:29.42.5,53:60N-87:79E, h1km,12km,mb4.0, mpv3.6, Error ellipse: s-maj=13.9km s-min=11.8km az=99.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like ZALESOVO INFRA 1.80 285 I, Zalesovo Array 1.80 285 I, ZAAO Zalesovo Beam 1.80 285 Pn, etc.

ICD 01 09:24:35.3.0.5,35:26S:179:70W, h0km, mb4.5/20, mb1.4/6/22, mb1mx4.5/47, mbtmp4.5/22, ML4.3/2, MS4.7/30, Ms1.4/7/30, ms1mx4.5/46, Error ellipse: s-maj=16.8km s-min=14.6km az=79.0 WEL 01 09:24:37.0.9.36:8.8:17:9W:1.1, h33km, ML5.4/26

ICD 01 09:24:40.2.0.2,35:50S:0:02:179:17W:0.02, h25km, M/95, Moment Tensor Solution. s67,c103; s99,c153; Duration: 1s0 Moment tensor: Scale 1017Nm; Mw:0.102; M1:0.102; M2:0.102; M3:0.102; M4:0.102; M5:0.102; M6:0.102; M7:0.102; M8:0.102; M9:0.102; M10:0.102; M11:0.102; M12:0.102; M13:0.102; M14:0.102; M15:0.102; M16:0.102; M17:0.102; M18:0.102; M19:0.102; M20:0.102; M21:0.102; M22:0.102; M23:0.102; M24:0.102; M25:0.102; M26:0.102; M27:0.102; M28:0.102; M29:0.102; M30:0.102; M31:0.102; M32:0.102; M33:0.102; M34:0.102; M35:0.102; M36:0.102; M37:0.102; M38:0.102; M39:0.102; M40:0.102; M41:0.102; M42:0.102; M43:0.102; M44:0.102; M45:0.102; M46:0.102; M47:0.102; M48:0.102; M49:0.102; M50:0.102; M51:0.102; M52:0.102; M53:0.102; M54:0.102; M55:0.102; M56:0.102; M57:0.102; M58:0.102; M59:0.102; M60:0.102; M61:0.102; M62:0.102; M63:0.102; M64:0.102; M65:0.102; M66:0.102; M67:0.102; M68:0.102; M69:0.102; M70:0.102; M71:0.102; M72:0.102; M73:0.102; M74:0.102; M75:0.102; M76:0.102; M77:0.102; M78:0.102; 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2012 AUG

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

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

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

CNGZ	Carnagh Statio	5.87	191	P	Pn	09 31 58.2	-0.2
TKGZ	Te Karaka	5.89	194	P	Sn	09 31 57.3	-1.5
TKGZ				S	Pn	09 33 06.2	+1.0
URZ	Urewera	5.91	200	P	Pn	09 31 58.7	-0.2
RTA	Ruatuhuna	6.29	200	P	Pn	09 32 03.4	-0.6
SNZG	Shannon Statio	6.34	197	P	Pn	09 32 02.7	-2.2
KNZ	Kokohu	6.49	194	P	Pn	09 32 05.8	-1.1
RAHZ	Arahi	6.53	198	P	Pn	09 32 06.2	-1.3
MTHZ	Maungataniwha	6.54	200	P	Pn	09 32 07.2	-0.4
MHGZ	Mahia Peninsula	6.57	192	P	Pn	09 32 08.2	+0.1
WHHZ	Waihua	6.64	197	P	Pn	09 32 07.2	-1.8
MHRZ	Matea Rd	6.77	199	P	Pn	09 32 08.7	+0.5
NMHZ	Naumai	6.77	199	P	Pn	09 32 09.9	-1.0
BKZ	Black Stump Fm	6.93	201	P	Pn	09 32 12.2	-0.9

ISCJB 01 09:31:50.7:0.5,6:73S:0:04:130.48E:0:06,h90km,
mb3.8/3, Error ellipse: s-maj=8.2km s-min=5.7km az=5.8
IDC 01 09:31:52.4:2.2,6:50S:130.35E:h107km,23km,mb3.5/4,
mb1.3:0.7,mb1mx3.4/3,mbtmp4.2/7, Error ellipse:
s-maj=26.9km s-min=19.0km az=85.0

DJA 01 09:31:53.6:0.4,7:54:13:1E, h122km,23km, M4.9/11,
mb4.7/8, mb5.5/4, MLV4.9/11, Mw(mb)5.0/4
ISC 01 09:31:50.7:0.7,6:67S:0:06:130.52E:0:07,h90km,n21,
c352/25,mb3.9/3, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
BNDI	Bandanaira	2.22	344	P	Pn	09 32 29.1 +3.2
MASO	Masoli	3.67	334	P	Pn	09 32 19.3 +3.0
FAKI	Fak Fak	4.11	25	P	Pn	09 32 52.1 +0.8
SIJI	Sorong	5.81	7	P	Pn	09 33 14.4 -0.1
SIJI				S	Pn	09 34 13.9 -5.9
SWI	Sorong	5.82	7	P	Pn	09 33 14.5 0.0
KDU	Kakadu	6.28	162	P	Pn	09 33 24.3 +3.6
	baz=48, SNR=398					
SANI	Sana	6.44	315	P	Pn	09 33 26.5 +3.5
LBMI	Labuha	6.71	333	P	Pn	09 33 28.3 +1.6
SOEI	Soe	6.91	243	P	Pn	09 33 33.1 +3.7
BATI	Baumata	7.64	242	P	Pn	09 33 40.3 +1.0
	15nm,0.3s,baz=72,slow=2.8,SNR=4.2			S	Pn	09 35 02.6 -1.7
BATI	Baumata	7.64	242	P	Pn	09 33 40.3 +3.7
BAKI	Biak	7.79	46	P	Pn	09 33 45.1 +3.7
EDFI	Ende, Flores	8.99	256	P	Pn	09 34 01.5 +3.6
JAY	Jayapura	10.96	58	P	Pn	09 34 27.4 +2.8
	1.5nm,0.3s,baz=221,slow=1.9,SNR=5.6			S	Pn	09 34 41.8 -1.1
FITZ	Fitzroy Crossi	12.31	202	P	Pn	09 34 41.8 -1.1
	6.2nm,0.3s,baz=25,slow=10,SNR=50			S	Pn	09 36 49.4 -8.9
FITZ				S	Pn	09 36 49.4 -8.9
WRA	Warramunga Arr	13.70	165	P	Pn	09 34 58.9 -2.3
	3.1nm,0.3s,baz=345,slow=13,SNR=28			S	Pn	09 37 26.6 -5.4
WRA				S	Pn	09 37 26.6 -5.4
ASAR	Alice Springs	17.21	169	P	Pn	09 35 47.2 +1.5
	3.2nm,0.3s,baz=344,slow=11,SNR=42			S	Pn	09 38 51.9 -4.9
ASAR				S	Pn	09 38 51.9 -4.9
CTA	Charters Tower	20.27	133	P	Pn	09 36 22.6 +3.4
	2.3nm,0.6s,baz=309,slow=13,SNR=3.1			S	Pn	09 41 33.9 -2.3
SOM	Songino Array	58.30	341	P	Pn	09 41 33.9 -2.3
	0.4nm,0.5s,baz=160,slow=8.9,SNR=2.9			S	Pn	09 42 40.3 -1.5
MKAR	Makanchi Array	68.24	327	P	Pn	09 42 40.3 -1.5
	0.6nm,0.3s,baz=124,slow=9.2,SNR=9.2			S	Pn	09 43 25.0 +0.5
MAW	Maws	75.44	201	P	Pn	09 43 25.0 +0.5
	1.8nm,0.6s,baz=86,slow=3.7,SNR=8.7			S	Pn	

ISK 01 09:51:00.8,37:87N:26:67E,h19km,ML2.5/9
ISCJB 01 09:51:01.7:0.6,37:87N:0:03:26:68E:0:05,h16km,7km,
Error ellipse: s-maj=4.2km s-min=2.4km az=161.8
ATH 01 09:51:01.3,37:76N:26:59E,h15km,3km,ML2.4/2, Error
ellipse: s-maj=14.0km s-min=1.2km az=37.0

DDA 01 09:51:01.4,37:87N:26:73E,h7km,ML2.9
ISC 01 09:51:01.2:1.0,37:87N:0:03:26:68E:0:03,h14km,7km,
n22,c0542/32, Dodecanese Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SMG	Samos	0.21	142	Op	ISC	
SMG				P	h m s	ISC
SMG				P	09 51 06.2 +0.3	
SMG	comp=E,5534μm,0.4s			AML	09 51 09.2 +0.1	
SMG				AML	09 51 09.9	
DGB	zmir	0.24	42	iP	Pg	09 51 06.1 -0.3
DGB				iS	Sg	09 51 09.7 -0.3
URLA	Izmir	0.49	353	PG	Pg	09 51 11.0 0.0
URLA				SG	Sb	09 51 18.7 -0.1
URLA	Izmir	0.49	353	iP	Pg	09 51 11.2 +0.2
URLA				iS	Sb	09 51 18.6 -0.1
BLCB	Balcova	0.59	29	PG	Pg	09 51 12.8 0.0
CHOS	Chios island	0.71	317	PG	Pg	09 51 15.1 0.0
CHOS				SG	Sb	09 51 25.4 +0.3
CHOS	Chios island	0.71	317	P	Pb	09 51 15.7 +0.2
CHOS				S	Sb	09 51 26.7 +0.8
CHOS				AML	AML	09 51 27.1
CHOS	comp=E,580μm,0.3s			AML	AML	09 51 28.9
KRBN	Karaburun	0.73	352	PG	Pg	09 51 15.4 0.0
BODT	Bodrum	0.95	148	PG	Pg	09 51 19.8 +0.2
AYDB	Zeytinlikoy-Aydi	0.96	85	PG	Pg	09 51 19.9 +0.1
AYDN	Tasoluk	0.98	102	iP	Pb	09 51 19.8 -0.1
AYDN				iS	Sb	09 51 32.2 -0.5
BDRM	Kayabasi	1.01	143	iP	Pb	09 51 21.4 +0.4
BDRM				iS	Sg	09 51 34.0 +0.1
MLSB	Milas	1.05	123	PG	Pg	09 51 21.1 0.0
DKL	Dikili	1.21	8	PN	Pn	09 51 23.3 -0.4
APE	Apeiranthos	1.21	229	PN	Pn	09 51 23.2 -0.6
AKHS	Akhisar	1.34	41	iP	Pb	09 51 26.5 +0.3
AKHS				iS	Sg	09 51 45.7 +0.9
DATK	Datca	1.35	148	PN	Pn	09 51 25.4 -0.3
YER	Yerkesik	1.48	119	PN	Pn	09 51 27.2 -0.2
SIGR	SIGRI	1.48	335	PN	Pn	09 51 27.0 -0.5
SIGR	SIGRI	1.48	335	P	Pg	09 51 30.7 +0.9
MANT	Manisa	1.61	67	iP	Pb	09 51 30.3 -0.5
MANT				iS	Sn	09 51 45.7 +0.7
KULA	Kula-Manisa	1.69	67	PN	Pn	09 51 30.3 -0.1

CNRM 01 09:52:05.5,38:96N:78:02E,h15km,ML5.4
SOME 01 09:52:17.0,39:67N:75:58E,h10km,MS4.8
KRNET 01 09:52:17.3:0.1,39:56N:75:50E,mb5.5
ISCJB 01 09:52:18.1:0.1,39:50N:0:02:75:52E:0:02,h33km,
mb4.8/148,MS4.8/75, Error ellipse: s-maj=2.6km
s-min=2.1km az=147.5

MOS 01 09:52:18.8:1.0,39:79N:75:56E,h33km,mb5.1/67,
MS4.6/29, Error ellipse: s-maj=5.9km s-min=4.0km
az=120.6

NNC 01 09:52:18.9:1.2,39:78N:75:46E,h1km,6km,mb5.3,
mpv5.1, Error ellipse: s-maj=8.7km s-min=2.8km az=162.0
BUJ 01 09:52:19.4,39:73N:75:50E,h32km,mb4.7/35,mb5.0/29,
ML5.0/6,MS4.8/35,MS7.4/633
IDC 01 09:52:20.6:1.5,39:67N:75:54E,h39km,13km,mb4.4/44,
mb1.4/5/49,mb1mx4.4/78,mbtmp4.6/49,ML3.8/6,MS4.4/52,
MS1.4/4/52,ms1mx4.3/75, Error ellipse: s-maj=10.6km
s-min=8.0km az=6.0

GCMT 01 09:52:20.4:0.2,39:63N:0:02:75:56E:0:02,h29km,1km,
MW5.0/2, Moment Tensor Solution, s37c54, s92c131;
Duration: 0 Moment tensor: Scale 10¹⁶N; Mrz 19: 15;
Mw 2.17: 10; Mw 0.02: 11; Mw 3.00: 19; Mw 1.52: 07;
Mw 0.81: 15; Best double couple: Mw 0.5000: 10¹⁶
NP1:3974.00000°,δ71.00000°,λ100.00000°. NP2:
φ=226.00000°,δ22.00000°,λ65.00000°. Principal axes: T
3.7190, Plg63.0000°, Azm359.0000°; N 0.6590,
Plg9.0000°, Azm250.0000°; P -4.3800, Plg25.0000°,
Azm156.0000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

NEIC 01 09:52:22.4:0.5,39:77N:75:56E,h52km,4km,mb5.0/46
Error ellipse: s-maj=4.0km s-min=3.3km az=186.0
ISC 01 09:52:18.3:0.5,39:78N:0:02:75:52E:0:02,h19km,1km,

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
KSH	Kashi	0.43	126	Op	ISC	
KSH				P	h m s	ISC
KSH				P	09 52 29.1 -0.5	
KSH	comp=N,193μm,0.7s			Sg	09 52 35.9 -1.1	
KSH				smax	smax	
KSH	comp=E,154μm,0.6s			smax	smax	
SFK	Sufi-Kurgan	1.57	279	iP	Pb	09 52 46.7 -0.2
	718nm,0.4s			Sg	09 53 08.0 -1.1	
SFK				Pb	09 52 46.8 -0.1	
SFK	5μm,0.5s			iP	Pb	09 52 46.8 -0.1
SFK	Sufi-Kurgan	1.57	279	iP	Pb	09 52 46.8 -0.1
SFK	baz=87			iP	Sg	09 53 08.0 -1.1
SFK	Sufi-Kurgan	1.57	279	PN	Sg	09 52 46.6 -0.2
SFK				Sg	09 53 08.0 -1.1	
SFK				Sg	09 53 08.0 -1.1	
SFK	comp=Z,719nm,0.4s			smax	smax	
KZA	Kyzart	2.31	355	P	Pb	09 52 59.5 -0.1
	Kyzart			SNR=895		
KZA	Kyzart	2.31	355	iP	Pb	09 52 59.5 -0.1
	baz=56			iP	Sg	09 53 31.0 -1.7
KZA				iP	Sg	09 53 31.0 -1.7
ARSB	Arslanbob	2.48	309	iP	Pb	09 53 01.0 -1.3
	baz=13			iP	Sb	09 53 33.8 +1.3
ARSB				iP	Sb	09 53 33.8 +1.3
ULHL	Ulaloh	2.53	12	P	Pb	09 53 02.7 -0.5
	SNR=356			iP	Pb	09 53 02.6 -0.5
ULHL				iP	Pb	09 53 02.6 -0.5
ULHL	Ulaloh	2.53	12	iP	Pb	09 53 02.6 -0.5
	baz=12			iP	Sg	09 53 36.4 -3.2
ULHL				iP	Sg	09 53 36.4 -3.2
UCH	Uchtor	2.57	343	P	Pb	09 53 03.2 -0.8
	SNR=2711			iP	Pb	09 53 03.4 -0.6
UCH				iP	Pb	09 53 03.4 -0.6
UCH	Uchtor	2.57	343	iP	Pb	09 53 03.4 -0.6
	baz=45			iP	Sb	09 53 37.1 +1.8
UCH				iP	Sb	09 53 37.1 +1.8
AML	Almayashu	2.73	330	P	Pb	09 53 05.3 -1.4
	SNR=895			iP	Pb	09 53 05.2 -1.5
AML				iP	Sb	09 53 40.7 +0.7
AML				iP	Sb	09 53 40.7 +0.7
BOOM	Boomsokoye usch	2.73	61	iP	Pb	09 53 05.6 -1.0
	baz=6.0			iP	Pb	09 53 40.4 +0.6
BOOM				iP	Pb	09 53 40.4 +0.6
KBK	Karagaybulak	2.91	352	P	Pb	09 53 08.1 -1.6
	SNR=581			iP	Pb	09 53 08.4 -1.3
KBK				iP	Pb	09 53 08.4 -1.3
KBK	Karagaybulak	2.91	352	iP	Pb	09 53 08.4 -1.3
	baz=53			iP	Sb	09 53 45.0 0.0
KBK				iP	Sb	09 53 45.0 0.0
AAK	Ala-Archa	2.96	345	Pn	Pb	09 53 08.8 -1.8
	comp=N,125nm,0.3s,baz=150,slow=7.6,SNR=1289			SNR=267		
AAK				SNR=267		
AAK	comp=N,121nm,0.3s,baz=23,slow=16,SNR=5.7			LR	LR	09 54 37.9
AAK				LR	LR	09 54 37.9
AAK	Ala-Archa	2.96	345	iP	Pb	09 53 07.7 -2.9
	comp=N,2μm,0.8s			iP	Lg	09 53 51.2
AAK				iP	Lg	09 53 51.2
AAK	Ala-Archa	2.96	345	1s	Pb	09 53 09.2 -1.3
	SNR=1122			iP	Pb	09 53 09.1 -1.5
AAK				iP	Sb	09 53 47.9 +1.5
AAK	Ala-Archa	2.96	345	eSn	Pb	09 53 09.0 -1.5
	SNR=1159			iP	Pb	09 53 09.1 -1.5
AAK				iP	Pb	09 53 09.1 -1.5
AAK	Ala-Archa	2.96	345	iP	Pb	09 53 09.1 -1.5
	baz=46			iP	Sb	09 53 45.8 -0.6
AAK				iP	Sb	09 53 45.8 -0.6
FRU1	Bishkek	3.11	348	iP	Pb	09 53 10.9 -2.0
	baz=49			iP	Pb	09 53 49.7 -0.8
FRU1				iP	Pb	09 53 49.7 -0.8
FRU	Bishkek	3.13	348	iP	Pb	09 53 12.0 -1.3
	SNR=267			eP		

Table with columns for station name, frequency, power, and other technical details. Includes stations like Makanchi Array, Simla, Dehra Dun, Urumqi, Zaisan, Kurchatov Arra, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Arti, JORH, BRDH, UOSS, Minazif, ZAK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Divnogorie, Storozhevoje, Galich ya Gora, Anapa, Permogore, Chiang Mai, Guiyang, etc.

14:16:55.81.3, 2.91N, 128.48E, h0km, mb3.7/6, mb1 3.87, mb1mx3.6/59, mb2mp3.7/77, ML3.5/1, MS2.6/1, Ms1 2.6/1, ms1mx2.2/59, Error ellipse: s-maj=74.2km s-min=17.3km az=67.0

IS/CJB 01 14:16:55.1.1.1, 3.0N, 128.9E, 0.3, h33km, mb3.6/6, Error ellipse: s-maj=48.6km s-min=10.8km az=148.4

ISC 01 14:17:00.6.1.4, 3.0N, 128.8E, 0.3, h35km, n8, c087/8, mb3.7/6, Halmahera

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
SIJI	Sorong	4.53 147	Op	14 18 07.3	+0.7
SIJI			Pn	14 18 07.0	-1.1
GUMO	Guam	19.07 55	LR	14 27 13.7	
FITZ	Fitzroy Crossi	21.15 188	P	14 21 42.2	-0.5
WRA	Warramunga Arr	23.39 167	P	14 22 06.7	+0.2
ASAR	Alice Springs	26.92 170	P	14 22 39.8	+1.0
STKA	Stevens Creek	36.71 162	P	14 24 04.5	0.0
MKAR	Makanchi Array	59.38 325	P	14 26 59.7	+0.2
KURBB	Kurchatov Arra	65.31 327	P	14 27 25.5	-0.8

MAN 01 14:17:26.2, 13.99N, 120.99E, h38km, mb3.5, ML2.1, MS1.5, 1D, Mindoro

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
PGP	Puerto Galera	0.48 184	Op	14 17 33.4	+5.5
LUBP	Lubang	0.76 251	eP	14 17 41.4	+0.9
BOAC	Boac	0.98 122	eP	14 17 46.6	+1.1
SJMP	San Jose	1.52 175	eS	14 18 10.9	+1.5

SJA 01 14:21:05.2, 0.8, 28.67S, 69.45W, h121km, 5km, ML3.5, MW4.0

ISCJB 01 14:21:06.1, 0.6, 28.67S, 0.05, 69.46W, 0.05, h120km, 5km, mb4.3/5, Error ellipse: s-maj=7.7km s-min=7.2km az=0.9

GUC 01 14:21:06.3, 0.6, 28.73S, 69.48W, h104km, 7m, ML3.7

IDC 01 14:21:14.1, 1.16, 0.29, 37S, 68.35W, h422km, 160km, mb3.2/4, mb1 3.2/4, mb1mx2.9/34, mb2mp4.0/4, Error ellipse: s-maj=75.8km s-min=29.4km az=125.0

ISC 01 14:21:07.2, 0.8, 28.67S, 0.05, 69.46W, 0.04, h112km, 7km, n23, c065/32, mb4.1/5, 3C, Chile-Argentina border region

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
VCA	Vinchina	1.10 94	Op	14 21 29.6	-0.2
VCA			ISC	14 21 30.4	
VCA			IAML	14 21 30.4	
VCA			s	14 21 46.5	-0.4
VCA			iP	14 21 29.7	-0.1
VCA			eS	14 21 47.4	+0.2
VCA			IAML	14 21 47.2	
LCO	Las Campanas	1.14 253	iP	14 21 30.0	-0.3
LCO			s	14 21 48.3	+0.5
LCO			iP	14 21 30.1	-0.1
LCO			eS	14 21 47.4	-0.4
LCO			IAML	14 21 48.8	
AGUA	GUANDACOL	1.17 134	iP	14 21 29.8	-0.7
AGUA			s	14 21 48.9	+0.8
GO03	Copiap	1.28 327	iP	14 21 31.3	-0.9
GO03			eS	14 21 50.5	+0.5
GO03			IAML	14 21 51.1	
AROD	Rodeo	1.49 180	iP	14 21 34.1	-0.2
AROD			s	14 21 56.0	+1.1
ACDV	Cuesta del Vie	1.52 169	iP	14 21 34.4	-0.1
ACDV			s	14 21 55.3	0.0
TLL	Tololo Astrono	1.90 218	eP	14 21 38.6	-0.6
TLL			eS	14 22 03.0	-0.6
TLL			IAML	14 22 06.4	
GO04	Tololo Observa	1.90 218	iP	14 21 38.4	-0.8
GO04			eS	14 22 03.0	-0.6
RTLS	Leoncito	3.12 177	iP	14 21 55.1	0.0
RTLS			IAML	14 22 40.1	
CYA	Choya	3.82 37	iP	14 21 55.4	-0.8
CYA			IAML	14 21 55.6	
RTCY	Cerro Valdivia	3.27 166	iP	14 21 56.4	-0.5
SNAZ	Sanaz	5.73 159	P	14 30 31.8	+0.1
QSPA	South Pole Qui	61.55 180	P	14 31 13.2	+1.0
TORD	Tordi Arr	80.29 69	P	14 33 05.7	-0.5
TORD			P	14 33 06.8	-0.9
SFJD	Kangerlussuaq	96.44 7	P	14 34 30.0	+7.1
ASAR	Alice Springs	123.30 206	PKP	14 39 51.4	-0.2
WRA	Warramunga Arr	126.48 208	PKP	14 39 58.4	+0.6
KURBB	Kurchatov Arra	147.41 39	PKP	14 40 38.9	+1.3
ZALV	Zalesovo Beam	148.54 29	PKP	14 40 41.6	+1.2
MKAR	Makanchi Array	151.48 43	PKP	14 40 47.1	-0.8

NIED 01 14:37:00, 38.90N, 142.00E, h50km, Mw4.1 Best double couple: M1.41000x1015 NP1.179.00000x3.8100000x7.67.00000x NP2.23.00000x874.00000x1.97.00000x

BUI 01 14:37:38.4, 38.69N, 142.55E, h76km, mb4.6/29, mbs.0/8, ms3.9/5, ms7.3/6

ISCJB 01 14:37:41.0, 0.6, 38.89N, 0.03, 142.06E, 0.06, h56km, 4km, mb4.3/30, MS3.4/7, Error ellipse: s-maj=8.7km s-min=4.7km az=18.4

JMA 01 14:37:42.2, 0.1, 38.89N, 141.98E, h50km, 1km, M4.0

JMA Felt II J1

NEIC 01 14:37:43.8, 0.5, 38.86N, 142.13E, mb4.7/6, Error ellipse: s-maj=9.6km s-min=5.4km az=118.0

NEIC Felt III at Sendai. Recorded [I JMA] in Miyagi.

IDC 01 14:37:44.1, 0.8, 38.90N, 142.06E, h71km, 6km, mb3.8/20, mb1 3.9/25, mb1mx3.7/79, mb2mp4.1/25, MS3.0/13, Ms1 3.0/13, ms1mx2.8/70, Error ellipse: s-maj=15.1km s-min=9.0km az=103.0

ISC 01 14:38:01, 0.04, 142.01E, 0.07, h61km, 4km, h61km, pP, n80, c184/99, mb4.3/30, Near east coast of eastern Honshu

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
OFUJ	Ofunato	0.34 307	Op	14 37 51.6	-2.3
OFUJ			s	14 37 57.9	-3.6
JMDV	Ichinosoki	0.62 277	Op	14 37 54.7	-2.1
JMK			s	14 38 03.5	-3.1
JIO	Ouri	0.67 231	P	14 37 55.2	-2.2
JIO			s	14 38 04.1	-3.4
JOM	Ohasama	0.82 317	P	14 37 57.3	-1.9
JOM			s	14 38 08.1	-2.8
JOU	Okura	1.17 245	P	14 38 01.8	-2.0
JOU			s	14 38 16.5	-2.5
JRG	Rokugo	1.19 296	P	14 38 02.2	-1.8
JRG			s	14 38 16.8	-2.6
JMK	Kaneyama	1.29 272	P	14 38 03.5	-1.8
JYK	Yokohama	1.48 191	P	14 38 19.1	-2.7
JJM	Jimenez	1.39 224	P	14 38 04.6	-2.1
JJM			s	14 38 21.6	-2.5
ERM	Erimo	3.25 15	ePn	14 38 31.7	-0.3
MJAR	Matsushiro Arr	3.81 233	P	14 38 40.2	+0.5

MJAR		4.7nm, 0.3s, baz=34, slow=12, SNR=74	S	Sn	14 39 25.9	+2.6
MJAR		1.3nm, 0.3s, baz=49, slow=28, SNR=2.9	S	Sn	14 40 18.3	
MAJO	Matsushiro	3.81 234	ePn	Pn	14 38 40.1	+0.4
MAT	Matsushiro	3.81 234	P	Pn	14 38 40.0	+0.3
MAT			S	Pn	14 39 27.6	+0.3
MJB9	Matsu-Tunnel	3.81 234	ePn	Pn	14 38 40.1	+0.3
ASAHK	Asahikawa	5.25 5	eP	Pn	14 38 58.4	-1.0
ASAJ		2.0nm, 0.3s, baz=206, slow=15, SNR=18	S	Sn	14 39 58.8	+0.3
ASAJ		2.0nm, 0.3s, baz=293, slow=33, SNR=4.3	S	Sn	14 39 59.2	-0.2
ASAJ	Asahikawa	5.25 5	ePn	S	14 39 58.8	+0.3
INU	Inuyama	5.32 230	ePn	Pn	14 39 01.6	+1.2
JHU	Mitsune	6.02 198	ePn	Pn	14 39 09.6	-0.4
JHJ	Hachioji jima 2	6.02 198	P	Pn	14 39 09.4	-0.6
JHJ		8.0nm, 0.3s, baz=343, slow=19, SNR=4.4	S	Sn	14 40 13.3	-4.2
JHJ		4.0nm, 0.3s, baz=73, slow=19, SNR=5.5	S	LR	14 41 29.8	
YSS	Yuzh-Sakhalins	8.05 4	ePn	Pn	14 39 35.7	-2.5
USRK	Ussuriysk Arr	9.20 308	P	Pn	14 39 55.0	+1.6
USRK		baz=116, slow=13	S	LR	14 43 06.4	
JNU	Nakatsue	10.69 241	ePn	Pn	14 40 58.7	
JNU		comp=Z, 27nm, 18.6s, baz=102, slow=14	S	Pn	14 40 18.4	+1.8
MDJ	Mudanjiang	10.99 306	ePn	Pn	14 40 22.9	+2.4
KSR5	Korea Array	11.10 267	P	Pn	14 44 05.9	
KSR5		0.2nm, 0.3s, baz=80, slow=14, SNR=0.5	S	LR	14 44 05.9	
KSR5		comp=Z, 78nm, 22.0s, baz=98, slow=34	S	LR	14 40 23.3	+2.5
KS01	Wonju Array Si	11.20 267	ePn	Pn	14 40 23.2	+2.3
KS15	Wonju Array Si	11.22 267	ePn	Pn	14 40 22.9	+1.5
KSAR	Wonju Array Be	11.22 267	P	Pn	14 40 43.6	+2.6
KLR	Kuldar	12.70 328	P	Pn	14 45 30.7	
KLR		0.0nm, 0.3s, baz=138, slow=15, SNR=3.8	S	LR	14 48 38.1	
PETK	Petrovavlovsk	17.87 32	LR	LR	14 42 11.3	0.0
NJ2	Nanjing	20.03 257	Op	Pmax	14 42 46.7	-0.4
NJ2		comp=Z, 13nm, 0.5s	S	Pmax	14 42 54.9	+1.1
HHC	Hu-ho-hao-te	23.40 285	eP	Pmax	14 43 00.8	+0.5
HHC		comp=Z, 20nm, 0.7s	S	Pmax	14 43 23.3	+1.8
WHN	Wuhan	24.14 258	P	P	14 45 38.1	
SEY	Seiyun	24.89 211	P	P	14 45 38.1	
WHN		5.5nm, 0.3s, baz=66, slow=12, SNR=5.9	S	P	14 43 23.3	+1.8
SOMN	Songino Array	27.20 301	P	P	14 54 38.1	
SOMN		1.0nm, 0.7s, baz=85, slow=9.5, SNR=3.8	S	LR	15 13 59.6	
SOMN		comp=Z, 37nm, 19.4s, baz=174, slow=17	S	T	15 14 01.3	
H11N2	WAKE ISLAND Hy 28.74 124 T	28.74 124	T	T	15 14 02.0	
H11N1	WAKE ISLAND Hy 28.75 125 T	28.75 125	T	T	15 14 53.1	
H11N3	WAKE ISLAND Hy 28.76 124 T	28.76 124	T	T	15 14 52.5	
H11S1	WAKE ISLAND Hy 29.02 126 T	29.02 126	T	T	15 14 58.3	
H11S3	WAKE ISLAND Hy 29.52 126 T	29.52 126	T	T	14 43 27.7	+3.8
H11S2	WAKE ISLAND Hy 29.53 126 T	29.53 126	T	T	14 49 09.9	-1.1
LZH	Lanzhou	30.27 277	eP	sP	14 44 19.6	+1.6
LZH		comp=Z, 15nm, 1.0s	S	sP	14 44 04.8	+0.3
GVA	Guiyang	32.03 258	eP	Pmax	14 44 04.8	+0.3
GVA		comp=Z, 10.0nm, 0.8s	S	P	14 44 04.8	-0.9
CD2	Chengdu	32.19 268	eP	P	14 44 05.0	-3.6
GTA	Gaotai	32.52 285	eP	sP	14 44 31.3	+0.6
GTA		0.8nm, 0.9s	S	sP	14 44 31.3	+0.6
GTA		comp=Z, 3.0nm, 0.9s	S	Pmax	14 44 36.8	+0.1
KMI	Kunming	35.74 259	P	Pmax	14 45 16.7	+0.6
KMI		comp=Z, 10.0nm, 0.5s	S	LR	14 45 16.7	+0.6
WMQ	Urumqi	40.46 295	P	LR	14 45 19.5	-1.2
WMQ		comp=N, 51nm, 17.7s	S	LR	14 45 37.4	+1.4
WMQ		comp=E, 48nm, 21.1s	S	LR	14 47 17.4	-2.0
WMQ		comp=Z, 42nm, 18.9s	S	LR	15 02 47.3	
ZAA0	Zalesovo Array	41.05 311	eP	P	14 45 18.7	-2.0
ZALV	Zalesovo Beam	41.05 311	P	P	14 45 37.4	+1.4
ZALV		0.9nm, 0.8s, baz=91, slow=8.8, SNR=5.4	S	PcP	14 47 17.4	-2.0
ZALV		4.8nm, 0				

IDC 01 14:55:41.0, 8.0, 2.91N, 128.37E, h0km, mb4.0/9, mb1 4.1/10, mb1mx3.8/57, mbtmp4.0/10, ML3.9/1, MS3.2/2, Ms1 3.2/2, ms1mx2.6/54, Error ellipse: s-maj=52.1km s-min=14.8km az=73.0

NEIC 01 14:55:46.9, 0.5, 2.86N, 128.35E, h35km, mb4.4/1, Error ellipse: s-maj=35.4km s-min=9.1km az=77.0

ISC 01 14:55:46.7, 0.2, 2.91N, 128.7E, 0.3, h35km, n22, r126/16, mb3.9/10, Halmahera

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SIJU Sorong, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 01 15:07:54.6, 2.0, 2.72N, 127.95E, h0km, mb3.3/4, mb1 3.4/4, mb1mx3.2/58, mbtmp3.3/4, Error ellipse: s-maj=154.7km s-min=24.0km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

ISC 01 15:14:20.5, 1.8, 5.146N, 0.08, 16.07E, 0.05, h0km, n13, r071/25, Poland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KSP Ksiaz, DPC Dobruska-Polom, KRLC Kraliky, etc.

TRN 01 15:57:18.9, 14.11N, 60.95W, h144km, MD3.7, 1D, Windward Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SLB Belfond, SLDE Delcer, BIMI Bigot, etc.

Table with columns: ANWB, eS, Sn, 15 58 56.0, -1.0. Includes stations like RAO Raoul Island, PPT Papeete, CTA Charters Tower, etc.

ISCJB 01 16:15:45.8, 0.6, 39.94N, 0.04, 33.13E, 0.04, h0km, Error ellipse: s-maj=5.9km s-min=4.8km az=175.0

ISK 01 16:15:45.8, 39.91N, 33.13E, h0km, ML 1.8/4, Suspected Mining explosion.

DDA 01 16:15:46.3, 39.87N, 33.14E, h7km, M12.6

ISC 01 16:15:46.1, 1.0, 39.83N, 0.05, 33.13E, 0.03, h0km, n12, r0540/16, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ANTO Ankara, LOD Lodumlu, BBAL Bala, etc.

IDC 01 16:21:42.0, 3.9, 6.60S, 148.05E, h92km, 26km, mb3.4/3, mb1 3.5/6, mb1mx3.2/53, mbtmp3.7/6, MS4.0/1, Ms1 4.0/1, ms1mx2.6/29, Error ellipse: s-maj=54.7km s-min=22.5km az=86.0

ISC 01 16:21:36.4, 2.1, 6.5S, 0.1, 148.5E, 0.3, h51km, n8, r1070/8, mb3.8/3, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, JMG Jayapura, WRA Warramunga Arr, etc.

IDC 01 16:41:17.2, 0.7, 3.12S, 130.03E, h0km, mb4.1/12, mb1 4.2/16, mb1mx3.0/58, mbtmp4.1/16, ML4.1/4, MS3.5/4, Ms1 3.5/4, ms1mx2.9/52, Error ellipse: s-maj=25.7km s-min=13.7km az=72.0

ISCJB 01 16:41:18.9, 0.3, 3.11S, 130.08E, 0.03, h25km, mb4.2/17, MS3.7/2, Error ellipse: s-maj=5.1km s-min=4.4km az=44.0

DJA 01 16:41:23.0, 1.0, 3.3S, 131.0E, h32km, 15km, M4.6/11, mb5.0/1, mb4.9/4, MLV4.4/11, Mw(m)B4.3/1

NEIC 01 16:41:24.4, 1.4, 3.16S, 130.20E, h61km, 15km, mb4.3/8, Error ellipse: s-maj=12.6km s-min=7.6km az=87.0

ISC 01 16:41:21.1, 0.5, 3.05S, 130.13E, 0.04, h25km, n50, r146/55, mb4.1/17, 1C, Seram

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MSAI Masohi, BNDI Bandanaira, AAI Ambon, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KSAR Wonju Array Be, KSRS Korea Array, HHC Hu-ho-hao-te, etc.

DJA 01 16:51:29.4, 7.0, 10.1N, 56.12E, 2.1, h10km, M5.2/7, mb5.2/1, mb5.0/7, MLV5.3/1, Mw(m)B4.5/1

MAN 01 16:51:58.6, 7.13N, 126.89E, h7km, mb5.2, ML4.2, MS4.4

ISCJB 01 16:52:02.0, 7.5, 7.23N, 0.0, 126.70E, 0.05, h86km, 4km, mb4.3/44, Error ellipse: s-maj=8.3km s-min=4.6km az=177.1

NEIC 01 16:52:02.0, 9.7, 24N, 126.64E, h75km, 8km, mb4.6/26, Error ellipse: s-maj=7.7km s-min=5.2km az=78.0

IDC 01 16:52:03.0, 1.4, 7.31N, 126.87E, h71km, 12km, mb3.9/24, mb1 4.0/25, mb1mx3.9/60, mbtmp4.3/25, MS4.4/11, MS3.4/11, ms1mx3.1/53, Error ellipse: s-maj=15.0km s-min=9.3km az=74.0

ISC 01 16:52:02.4, 0.9, 7.13N, 0.04, 126.80E, 0.06, h67km, 7km, n116, r2820/120, mb4.4/44, 5C, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MATI Mati, BIPH Bislig, DAV Davao City (W), etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR, HNR, USRK, H11S3, H11S1, H11S2, H11N1, H11N2, H11N3, NWAO, STKA, SONM, PEA0B, PETK, MK31, MK32, MKAR, MAZK, NIL, ZALV, ZAA1, KURK, KURBUB, KK31, KKAR, TKX1, BVAR, BRVK, GEYT, ABKAR, AKTO, ARU, ARY, GNI, CAST, BPWA, MCK, WRH, CCB, ILAR, ILB, SCRK, EGAK, VNDA, VNDA, SPITS, MMAI, BR10, BR11, FIAO, FIAO, AKAS, AKKB, HYS, SFO, SYO, NOA, TXAR, JCT, TOA1, PLCA.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BRRC, PAMC, PAMC, PAMC, PTBC, TAMC, TAMC, OCAC, YOPC, YOPC, ZARC, NORC, CHIC, ROSC, ROSC, ROSC, HELC, HELC, GUYC, GUYC, WILC, WILC, DBBC, TDLC, SDV, SDV, ANIL, ANIL, PRAC, PRAC, SJCC, SJCC, SJAC, SJAC, PLMC, PLMC, YOTC, YOTC, HORQ, HORQ, MALC, SOTA, PCRV, NNA, ULM, PDAR, YKA, ASAR, WRA, CMAR.

DDA 01 17:06:23.1, 0.6, 8.65N, 0.03, 73:14W, 0.03, h153km, 4km, mb3.6/3, Error ellipse: s-maj=6.5km s-min=4.6km az=43.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KMER, KONT, KONT, KONT, LADK, LADK, KDHN, KDHN, KEPZ, KEPZ, SULT, SULT, SUTC, SUTC, KIZT, KIZT, GAZI, GAZI, BEVE, BEVE, TEKE, TEKE, IKL, IKL.

MAN 01 17:06:23.0, 0.6, 8.65N, 0.04, 73:13W, 0.04, h155km, 6km, n37, 0.96E/53, mb3.8/3, 3C-2D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAN, DDMP, DDMP, GSPH, GSPH, MATI, MATI, DMPH, DMPH, SKMP, SKMP, BUKP, BUKP.

MAN 01 17:06:23.0, 0.6, 8.65N, 0.04, 73:13W, 0.04, h155km, 6km, n37, 0.96E/53, mb3.8/3, 3C-2D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAN, DDMP, DDMP, GSPH, GSPH, MATI, MATI, DMPH, DMPH, SKMP, SKMP, BUKP, BUKP.

MAN 01 17:06:23.0, 0.6, 8.65N, 0.04, 73:13W, 0.04, h155km, 6km, n37, 0.96E/53, mb3.8/3, 3C-2D, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MAN, DDMP, DDMP, GSPH, GSPH, MATI, MATI, DMPH, DMPH, SKMP, SKMP, BUKP, BUKP.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CTBH, ZCP, ZCP, DCPH, SKMP, BUKP, BUKP, SNPH, SNPH, DDMP, DDMP, MSLP, MSLP, GUIM, GUIM.

DDA 01 18:49:23.3, 0.7, 37:82N, 26:72E, h7km, M12.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DGB, DGB, URLA, URLA, URLA, URLA, BLCB, BLCB, CHOS, CHOS, AYDB, AYDB, BODT, BODT, AYDN, AYDN, DKL, DKL.

ISCBJ 01 18:53:30.6, 0.9, 6:06S, 129:06E, 0.1, h264km, mb3.3/1, Error ellipse: s-maj=18.0km s-min=7.4km az=7.3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SIJL, SIJL, BATI, BATI, FITZ, FITZ, FITZ, WRA, WRA, ASAR, ASAR, ASAR, MKAR, MKAR.

IDC 01 18:54:06.4, 4.3, 4:09S, 101:60E, h0km, mb3.6/4, mb1.3/7, mb1mx3.3/6, mbtmp3.8/4, Error ellipse: s-maj=19.6km s-min=26.4km az=56.0

ISCBJ 01 18:54:09.1, 0.8, 4:57S, 102:10E, 0.05, h37km, mb3.7/4, Error ellipse: s-maj=11.7km s-min=5.0km az=29.0

DJA 01 18:54:10.5, 0.6, 4:33S, 102:10E, h26km, 6km, M3.9/12, mb4.0/2, MLV3.8/12

ISCBJ 01 18:54:09.9, 1.3, 4:55S, 102:10E, 0.07, h37km, n22, e1946/19, mb3.7/4, Southern Sumatera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNAI, MNAI, MASJ, MASJ, LWSI, LWSI, LWLI, LWLI, MDSI, MDSI, MDSI, KRJI, KRJI, PPSI, PPSI, CGJI, CGJI, SISI, SISI, PBSI, PBSI, GSI, GSI, H0S2, H0S2, H0S3, H0S3, H0S1, H0S1, H0W3, H0W3, H0W2, H0W2, ASAR, ASAR, SONM, SONM, MKAR, MKAR, ZALV, ZALV.

CASC 01 18:54:33.5, 2.0, 11:11N, 86:32W, h0km, 8km, MD4.0, ML2.2, 3D, Near coast of Nicaragua

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRZ1, CRZ1, GPS2, GPS2, MGAN, MGAN, COPN, COPN, MESS, MESS, MESS, MESS, VISTA, VISTA, CUI, CUI, MOMM, MOMM, JTS, JTS, JTS, JTS, ARE1, ARE1, MATN, MATN, CGAZ, CGAZ, URSC, URSC, BUS, BUS.

IDC 01 19:23:25.7, 9.2774S, 74:94E, h0km, mb3.5/4, mb1.3/7, mb1mx3.3/6, mbtmp3.5/4, Error ellipse: s-maj=26.2km s-min=35.4km az=43.0, Mid-Indian Ridge

1d 20h

TYV	comp=N,6.0nm,1.0s		smax	smax		
GRNR	Gorny	55.38 354	eP	P	20 53 17.3 +7.5	
LZH	Lanzhou	55.48 320	eP	P	20 53 13.5 +2.5	
LZH			pP	pP	20 53 22.7 -2.1	
LZH			sP	sP	20 53 29.7 +1.2	
LZH			PP	PP	20 55 19.0 +3.6	
LZH			S	S	21 00 51.3 -1.4	
LZH	comp=N,36nm,1.0s		pmax	pmax		
LZH	comp=N,490nm,4.3s		LR	LR		
LZH	comp=N,790nm,12.5s		LR	LR		
LZH	comp=N,1.1um,13.6s		LR	LR		
RAR	Rarotonga	56.39 113	LR	LR	21 15 23.2	
NKL	comp=N,223nm,21.9s,baz=272,slow=34	57.40 357	eP	P	20 53 24.0 -0.1	
NKL	Nikolayevsk		eS	S	21 01 20.0 +2.9	
NKL			e	S	21 05 08.0	
NKL	comp=Z,450nm,4.0s		pmax	pmax		
NKL	comp=Z,80nm,1.0s		pmax	pmax		
NKL	comp=Z,500nm,11.0s		smax	smax		
HIA	Hailar	57.65 341	eP	P	20 53 26.9 +1.0	
HIA	comp=E,21nm,0.7s					
HIA	Hailar	57.65 341	eP	P	20 53 26.9 +1.0	
HIA			pmax	pmax		
PEA0B	Petrovavlovsk	58.31 9	eP	P	20 53 31.3 +0.8	
PETK	comp=Z,49nm,1.5s	58.31 9	eP	P	20 53 31.3 +0.8	
PETK	Petrovavlovsk	58.31 9	eP	P	20 53 31.3 +0.8	
PETK	comp=Z,24nm,0.8s,baz=173,slow=6.9	58.31 9	eP	P	20 53 31.3 +0.8	
PETK			LR	LR	21 14 03.6	
PETK	comp=Z,401nm,21.8s,baz=196,slow=31	58.31 9	eP	P	20 53 30.9 +0.5	
PETK	Petrovavlovsk	58.31 9	eP	P	20 53 31.0 +0.5	
PEA1	Petrovavlovsk	58.31 9	eP	P	20 53 31.3 +0.8	
PET	Petrovavlovsk	58.38 10	eP	P	20 53 31.1 +0.1	
PET			eS	S	21 01 28.7 -1.3	
PET			e	S		
SHL	comp=Z,100nm,17.8s	59.19 303	eP	P	20 53 38.4 +1.0	
SHL	Shilling	59.19 303	eP	P	20 53 38.4 +1.0	
SHL	comp=Z,31nm,1.0s	59.19 303	eP	P	20 53 40.0 +2.6	
SHL	Shilling	59.19 303	eP	P	20 53 38.4 +1.0	
SHL			pmax	pmax		
ZEZ	Zeya	59.71 348	eP	P	20 53 41.2 +1.0	
ZEZ			pmax	pmax		
ZEZ	comp=N,72nm,1.2s		pmax	pmax		
ZEZ	comp=Z,85nm,1.2s		pmax	pmax		
ZEZ	comp=Z,800nm,20.0s		MLR	MLR		
GTA	Gaotai	60.02 321	eP	P	20 53 43.5 +0.7	
GTA			SS	SS	21 01 54.4 +2.4	
GTA			SS	SS	21 05 52.2 +2.6	
GTA	comp=Z,10.0nm,1.7s		pmax	pmax		
GTA	comp=Z,210nm,6.1s		LR	LR		
GTA	comp=Z,580nm,20.6s		LR	LR		
GTA	comp=Z,310nm,20.9s		LR	LR		
GTA	comp=Z,440nm,20.3s		LR	LR		
LSA	Lhasa	61.42 307	eP	P	20 53 53.8 +0.9	
LSA	comp=Z,5.0nm,1.7s		pmax	pmax		
LSA	Lhasa	61.42 307	eP	P	20 53 54.8 +1.9	
LSA	comp=Z,96nm,2.0s	61.42 307	eP	P	20 53 54.8 +1.9	
LSA	Lhasa	61.42 307	eP	P	20 53 54.8 +1.9	
LSA			pmax	pmax		
ULN	Ulaanbaatar	61.58 332	eP	P	20 53 53.6 +0.3	
ULN	comp=Z,122nm,1.8s	61.58 332	eP	P	20 53 54.1 +0.8	
ULN	Ulaanbaatar	61.58 332	eP	P	20 53 54.1 +0.8	
ULN	SNR=18					
ULN	Ulaanbaatar	61.58 332	iP	P	20 53 54.4 +1.1	
ULN			pmax	pmax		
KIP	comp=Z,43nm,1.7s	61.69 63	eP	P	20 53 55.3 +1.1	
KIP	Kipapa	61.69 63	eP	P	20 53 55.3 +1.1	
KIP	comp=Z,280nm,1.4s	61.69 63	iP	P	20 53 55.7 +1.5	
KIP	Kipapa	61.69 63	iP	P	20 53 55.7 +1.5	
KIP			pmax	pmax		
SONA0	Songino Array	61.87 332	eP	P	20 53 56.1 +0.9	
SONM	Songino Array	61.87 332	eP	P	20 53 56.1 +0.9	
SONM	comp=Z,11nm,0.7s,baz=156,slow=7.0,SNR=83					
SONM			LR	LR	21 22 06.8	
SONM	comp=Z,889nm,18.8s,baz=132,slow=37		PKP2bc		21 23 13.2	
SONM	comp=Z,0.4nm,0.7s,baz=270,slow=0.9,SNR=4.7					
SONA1	Songino Array	61.88 332	eP	P	20 53 55.7 +0.5	
ODAN	Odare	63.42 303	eP	P	20 54 06.4 +0.4	
POHA	Pohakuloa	64.43 66	eP	P	20 54 04.2 -2.1	
MA2	Magadan	63.93 3	eP	P	20 54 08.0 -0.4	
MA2	comp=Z,62nm,1.3s					
MA2	Magadan	63.93 3	eP	P	20 54 08.0 -0.4	
MA2			pmax	pmax		
RAMN	Ramite	64.11 303	eP	P	20 54 11.2 +0.6	
JIRN	Jiri	64.70 303	eP	P	20 54 15.0 +0.4	
PALK	Pallekele	64.88 280	eP	P	20 54 19.3 +3.7	
PALK	comp=Z,6.6nm,0.8s,baz=110,slow=12,SNR=2.3		LR	LR	21 28 04.7	
PALK	comp=Z,186nm,18.5s,baz=109,slow=41					
PALK	Pallekele	64.88 280	eP	P	20 54 14.8 -0.8	
GUN	Gumba	65.04 303	eP	P	20 54 17.4 +0.6	
ZAK	Zakamensk	65.12 332	eP	P	20 54 16.8 +0.3	
ZAK			pmax	pmax		
PKIN	Phulchoki	65.33 303	eP	P	20 54 18.6 0.0	
KKN	Kakani	65.50 303	eP	P	20 54 20.0 +0.4	
PPT2	Papeete2	65.58 107	eS	S	21 03 01.0 -1.3	
PPT2	Papeete2	65.58 107	eLR	LR	21 14 00.3	
DMN	Daman	65.59 303	eP	P	20 54 20.8 +0.6	
TLY	Talaya	65.85 333	eP	P	20 54 21.5 +0.4	
TLY	comp=Z,81nm,1.6s					
TLY	Talaya	65.85 333	eP	P	20 54 22.2 +1.1	
TLY	SNR=11					
TLY	Talaya	65.85 333	eP	P	20 54 22.6 +1.5	
TLY			e	S	20 54 55.3	
TLY			eS	S	21 03 04.0 -0.3	
TLY			eSS	SSS	21 07 23.5 +3.5	
TLY			eSSS	SSS	21 10 20.0	
TLY	comp=Z,19nm,0.9s		pmax	pmax		
TLY			MLR	MLR		
GKN	Gorkha	66.11 303	eP	P	20 54 23.8 +0.4	
TBI	Tubuai	66.14 113	eS	S	21 03 12.8 +4.0	
TBI	comp=Z,396nm,31.0s					
TBI	Tubuai	66.14 113	eLR	LR	21 14 21.7	
CASY	Casey	66.23 194	eP	P	20 54 22.7 -0.5	
BOD	Bodaibo	66.73 343	iP	P	20 54 26.3 -0.3	
BOD			pmax	pmax		
KOLN	Koldanda	66.90 303	eP	P	20 54 28.8 +0.2	
DANN	Dangsing	66.95 303	eP	P	20 54 29.0 0.0	
MOY	Mondy	67.05 332	eP	P	20 54 30.0 +1.1	
MOY			pmax	pmax		
PMOR	Pomario Rio	67.09 104	eP	P	20 54 31.4 +1.7	
PMOR	comp=Z,137nm,1.5s					

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YAK	Yakutsk	67.21 352	eP	P	20 54 29.6 +0.1	
YAK	comp=Z,46nm,0.8s					
YAK	Yakutsk	67.21 352	eP	P	20 54 29.2 -0.3	
YAK			e	P	20 54 56.8	
YAK			ePPP	PPP	20 57 00.0	
YAK			eS	S	21 03 19.8 -0.4	
YAK			e'SS	SS	21 03 51.2 +7.2	
YAK			e	SS	21 04 20.6	
YAK			eSS	SS	21 07 39.8 -0.8	
YAK	comp=Z,33nm,1.0s		pmax	pmax		
YAK	comp=N,15nm,1.0s		pmax	pmax		
YAK	comp=E,4.0nm,0.9s		pmax	pmax		
YAK	comp=Z,61nm,3.2s		pmax	pmax		
YAK	comp=N,57nm,2.7s		pmax	pmax		
YAK	comp=E,26nm,2.8s		smax	smax		
YAK	comp=N,79nm,3.0s		smax	smax		
YAK	comp=E,165nm,3.3s		smax	smax		
SEY	Seymchan	67.37 40eP	eP	P	20 54 30.7 +0.2	
PYUN	Pyiun	67.52 303	eP	P	20 54 32.4 -0.1	
HYB	Hyderabad	68.72 290	iP	P	20 54 38.5 -1.5	
HYB			eP	P	20 55 00.0 +1.1	
WMQ	Urumqi	70.06 320	eP	P	20 54 49.7 +1.9	
WMQ			pP	pP	20 54 58.7 -3.3	
WMQ			sP	sP	20 55 06.3 -1.4	
WMQ			S	SS	21 03 56.4 +1.4	
WMQ			S	SS	21 04 15.9 -3.0	
WMQ	comp=E,56nm,0.7s		pmax	pmax		
WMQ	comp=E,330nm,3.9s		LR	LR		
WMQ	comp=E,580nm,24.7s		LR	LR		
WMQ	comp=E,430nm,28.9s		LR	LR		
HVS	Khovu-Aksy	70.32 329	iP	P	20 54 50.3 +1.1	
HVS			pmax	pmax		
MIR	Mirnyy	71.53 199	iP	P	20 54 57.7 +1.3	
MIR			pmax	pmax		
MIR	comp=Z,88nm,1.2s		MLR	MLR		
DGZ	Jazzart, Alta	72.98 325	iP	P	20 55 05.9 +0.5	
DGZ			pmax	pmax		
VNDA	Vanda	73.67 176	eP	P	20 55 08.8 +0.1	
VNDA	comp=Z,26nm,0.8s,baz=328,slow=6.5,SNR=128					
VNDA			LR	LR	21 26 54.3	
VNDA	comp=Z,923nm,18.1s,baz=352,slow=35					
VNDA	Vanda	73.67 176	eP	P	20 55 08.9 +0.2	
VNDA	comp=Z,92nm,1.2s		pmax	pmax		
VNDA	Vanda	73.67 176	eP	P	20 55 09.0 +0.2	
VNDA			pmax	pmax		
SBA	Scott Base	74.36 175	eP	P	20 55 13.6 +0.8	
SBA	comp=Z,155nm,1.6s		pmax	pmax		
SBA	Scott Base	74.36 175	eP	P	20 55 13.6 +0.8	
SBA			pmax	pmax		
SDPT	Sand Point	74.58 29	eP	P	20 55 15.2 +0.8	
SDPT	comp=Z,176nm,1.0s					
TAOE	Nuku Hiva Isla	74.71 98	eLR	LR	21 18 16.9	
TAOE	comp=Z,851nm,33.4s					
MK31	Makanchi Array	74.76 321	eP	P	20 55 15.7 0.0	
MK31	Makanchi Array	74.78 321	eP	P	20 55 16.1 +0.3	
MK31	Makanchi Array	74.78 321	eP	P	20 55 16.1 +0.3	
MK32	Makanchi Array	74.78 321	eP	P	20 55 16.1 +0.4	
MK32	Makanchi Array	74.78 321	eP	P	20 55 16.1 +0.4	
MKAR	comp=Z,10nm,0.7s,baz=102,slow=7.1,SNR=74					
MKAR			LR	LR</		

ROM 01 22:02:42.3-0.1, 41.19N, 001x14.91E, 0.01, h9km, ML1.3/5, Southern Italy

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like MRB1 Monte Rocchett, MRB1 Monte Rocchett, etc.

Table with columns: SGTA, Sant Agata di, 0.35 98, AML, AML. Lists stations like SGTA Sant Agata di, SGTA Sant Agata di, etc.

NIED 01 22:03:00, 36.70N, 141.20E, h80km, Mw3.6 Best double couple: M3.12000x1014 NP1.9x194.00000, 839.00000, 1.76.00000, NP2.9x32.00000, 852.00000, 1.102.00000

JMA 01 22:03:54.4-0.1, 36.75N, 141.15E, h40km, 1km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like ONAJ Iwakimizuishi, JHO Hitachi, etc.

IDC 01 22:10:41.1±3.1, 35.21S, 179.63W, h0km, mb3.8/2, mb1 4.0/3, mb1mx3.7/44, mbmtpp3.8/3, ML3.8/1, Error ellipse: s-maj=74.0km s-min=45.6km az=128.0

ISC/JB 01 22:10:43.9±1.3, 35.45S, 179.4W, 0.2, h47km, mb3.6/2, Error ellipse: s-maj=29.9km s-min=8.1km az=29.4

WEL 01 22:10:45.4±1.2, 36.52S, 173.9W, 2.8, h129km, 4.7km, 0.89±0.0, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like WMGZ Waiomatatini S, PKGZ Pakihioma, etc.

IDC 01 22:43:25.3±0.9, 18.80N, 104.27W, h0km, mb4.1/14, mb1 4.2/15, mb1mx4.0/59, mbtp4.1/15, ML4.1/1, Error ellipse: s-maj=38.9km s-min=18.0km az=56.0

ISC/JB 01 22:43:26.9±0.4, 18.91N, 104.04, 104.27W, 0.03, h20km, mb4.0/26, Error ellipse: s-maj=6.9km s-min=3.5km az=30.4

NEIC 01 22:43:29.0±0.1, 18.85N, 104.37W, h5km, mb3.9/20, MD4.2(MEX), After MEX

MEX 01 22:43:30.3±1.2, 18.87N, 104.36W, h20km, 6km, MD4.2

ISC 01 22:43:30.0±0.6, 18.93N, 104.05, 104.29W, 0.04, h20km, n139, 1171/141, mb4.1/26, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Lists stations like R15V R15V, EZZV EZZV, etc.

Table with columns: MNTX, Cornudas Mount, 12.75 356, P, Pn, 22 46 33.7 +2.2. Lists stations like HKT Hockley, ABTX Abilene, WHTX Lake Hawley, etc.

Table with columns: Ad, Station Name, Az, Phase ID, Time, Res. Includes stations like Asahikawa, Nakatsue, USRK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CONA, HERR, ABTA, MOA, etc.

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

PDG 02 01:47:49.3,0.2,44.22N;16.40E,h33km,3km,ML3.0/11, Error ellipse: s-maj=1.2km s-min=5.7km az=0.0

NIED 02 02:01:00,38.30N;142.10E,h41km,Mw3.7, Best double couple: M3.550000*10^11 NP1=0.108.000000, 865.000000, lambda=25.000000, NP2=0.209.000000, 368.000000, lambda=153.000000

STR 02 02:56:36.0,0.3,49.9N;2.2W, h0km,5km,ML1.4/7 LDG 02 02:56:36.1,0.1,48.95N;7.66E,h10km,Md2.1/2,Ml2.0/6, Error ellipse: s-maj=1.1km s-min=0.9km az=113.0, France

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

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

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

2d 3h

Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Ashland, Piedmont, Eclectic, Nancy, Keskin Array S, etc.

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Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Cervencia-Dubn, Wauchula, Arcadia, Disney Wildern, Binghamton, etc.

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Table with columns: Station, Azimuth, Elevation, Azimuth Error, Elevation Error, Station, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Almerim, Barrancos, Evora, Mafrá, Pitinga, etc.

ISC/JB 02:03:20.54;0.4,38:55S;0.07;16:2W;0.1,h10km, mb4.6/24,MS3.8/10, Error ellipse: s-maj=12.1km, s-min=10.0km az=12.4

IDC 02:03:20.54;0.6,0.6,38:53S;16:25W,h0km,mb4.1/14, m1 4.2/14, mb1mx4.0/44, mbmp4.1/14, MS3.8/10, Ms3.8/10, ms1mx3.8/40, Error ellipse: s-maj=19.7km, s-min=15.2km az=104.0

NEIC 02:03:20.56;9.2,2.38:52S;16:28W,h14km,13km,mb4.6/11, Error ellipse: s-maj=10.3km s-min=8.7km az=123.0

ISC 02:03:20.56;0.5,0.38:53S;0.10;16:1D;0.1,h10km,n50, @15/0/37,mb4.4/22,MS3.8/10,13-13,Southern

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ASCENSION HYDR29, ASCENSION HYDR29, etc.

2d 4h

comp=2.0,2nm,0.5s,baz=325,slow=1.1,SNR=3.4
NV01 Mina Array Sit 131.66 355 ePKPdf PKPdf 04 47 19.2 -0.9
NV01 Mina Array Bea 131.66 355 PKPdf PKPdf 04 47 19.2 -0.9
TXAR Lajitas Array 136.73 305 PKP PKPdf 04 47 28.8 -0.9

IDC 02 04:32:36.2; 1.3, 29.83N; 47.86E, h0km, mb3.9/1,
mb1 3.9/12, mb1mx3.7/63, mbmp3.9/12, ML4.5/1, MS3.7/1,
Ms1 3.7/1, ms1mx2.8/62, Error ellipse: s-maj=31.0km
s-min=19.1km az=154.0
NEIC 02 04:32:37.0; 0.4, 29.76N; 47.82E, h10km, mb4.2/4,
ML4.2(TEH), Error ellipse: s-maj=7.0km s-min=5.7km
baz=198.0
ISCJB 02 04:32:38.3; 0.3, 29.68N; 0.03; 47.92E; 0.04, h33km,
mb3.9/14, Error ellipse: s-maj=6.0km s-min=4.1km
az=149.4
SGS 02 04:32:40.5; 30.00N; 47.97E, h12km
DSN 02 04:32:43.7; 0.8, 29.88N; 48.58E, h10km, ML4.1/7, MS3.8/9,
Error ellipse: s-maj=22.7km s-min=7.0km az=33.0
ISC 02 04:32:41.0; 0.6, 29.80N; 0.05; 47.99E; 0.06, h35km, n56,
e168/64, mb4.0/13, Eastern Arabian Peninsula

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

ISCJB 02 04:35:09.1; 0.7, 37.1N; 0.1; 135.5E; 0.1, h350km, mb3.0/3,
Error ellipse: s-maj=1.7km s-min=1.2km az=155.0
JMA 02 04:35:10.3; 0.4, 37.00N; 135.80E, h345km, 4km, M2.7
IDC 02 04:35:10.0; 1.8, 37.05N; 135.46E, h343km, 31km, mb3.0/3,
mb1 3.2/5, mb1mx2.8/74, mbmp3.8/5, Error ellipse:
s-maj=53.7km s-min=19.1km az=66.0
ISC 02 04:35:09.1; 0.1, 37.0N; 0.1; 135.6E; 0.1, h350km, n11,
e075/12, mb3.3/3, Sea of Japan

NIED 02 04:56:00, 35.50N, 141.20E, h17km, Mw3.5 Best double
couple: M2.24000; 1014 NP1; 30.4; 00000; 810, 00000;
1.57, 00000. NP2; 151.00000; 881, 00000.
1.96, 00000.
ISCJB 02 04:56:43.5; 1.4, 35.51N; 0.04; 141.3E; 0.1, h19km, 7km,
mb3.4/3, MS4.1/2, Error ellipse: s-maj=14.1km
s-min=7.5km az=112.0
IDC 02 04:56:44.0; 1.7, 35.41N; 141.01E, h0km, mb3.4/3,
mb1 3.3/5, mb1mx3.2/72, mbmp3.4/5, ML3.0/2, MS4.1/2,
Ms1 4.1/2, ms1mx2.8/40, Error ellipse: s-maj=36.9km
s-min=25.6km az=81.0

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JMA 02 04:56:44.3; 0.1, 35.54N; 141.123E, h24km, 1km, M3.5
ISC 02 04:56:43.3; 2.0, 35.51N; 0.04; 141.29E; 0.09, h10km, 10km,
n24, e1508/22, mb3.4/3, 2C, Near east coast of eastern

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 2012 AUG section.

IDC 02 04:57:42.5; 1.0, 33.80N; 125.76E, h0km, mb3.7/5,
mb1 4.0/7, mb1mx3.6/64, mbmp3.9/7, ML3.9/2, Error
ellipse: s-maj=62.6km s-min=17.9km az=60.0
ISC 02 04:57:49.3; 1.1, 33.6N; 0.2; 126.4E; 0.3, h53km, n7, e1902/7,
mb3.7/5, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 2012 AUG section.

WEL 02 04:58:00.6; 38.1S; 10.18W; h33km, ML5.1/19
ISCJB 02 04:58:01.5; 0.6, 38.02S; 0.03; 179.77W; 0.05, h44km, 5km,
mb4.6/22, MS3.7/6, Error ellipse: s-maj=6.9km
s-min=4.5km az=2.0
NEIC 02 04:58:01.3; 0.0, 37.61S; 179.73W, h49km, mb4.7/15,
ML5.0(WE), After 10/25/12
GCMT 02 04:58:03.0; 0.6, 37.32S; 179.50W; 0.04, h27km, 1km,
MW5.0/66, Moment Tensor Solution, s32,c39; s66,c91;
Duration: 0 Moment tensor: Scale 10^18Nm; M=2.79; 29;
M=1.25; 18; M=1.54; 16; M=0.37; 27; M=1.56; 11;
M=1.67; 25; Best double couple: M3.34900x10^16
P: 13.3340, Plg1.04000, Azm129.0000; N: 0.0310,
Plg13.0000; Azm35.0000; P: -3.3650, Plg70.0000,
Azm264.0000; nst1 refers to body waves, cutoff=40s.
nst2 refers to surface waves, cutoff=50s. Triangular
moment-rate filter

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 2012 AUG section.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists seismic stations for the 2012 AUG section.

WCZ	Waipu Caves	4.99 292	P	Pn	04 59 15.1 -2.5
MSWZ	Moikau Station	5.05 226	Pn	Pn	04 59 15.4 -2.9
MSWZ	Moikau Station	5.05 226	Pn	Pn	04 59 15.4 -2.9
PLWZ	Palliser	5.15 224	Pn	Pn	04 59 16.9 -2.8
PLWZ	Palliser	5.15 224	Pn	Pn	04 59 16.9 -2.8
BHW	Baring Head	5.26 228	Pn	Pn	04 59 18.9 -2.4
BHW	Baring Head	5.26 228	eSn	Pn	05 00 23.6 +3.0
BHH	Baring Head	5.26 228	P	Pn	04 59 19.0 -2.2
SNZO	South Karori	5.30 229	ePn	Pn	04 59 19.3 -2.4
SNZO	South Karori	5.30 229	ePn	Pn	05 00 21.5 +0.1
TCW	Tory Channel	5.50 232	ePn	Pn	04 59 22.9 -1.6
TCW	Tory Channel	5.50 232	ePn	Pn	04 59 24.4 -2.5
TCW	Tory Channel	5.50 232	P	Pn	04 59 23.0 -1.6
DUWZ	D'Urville Isla	5.52 237	ePn	Pn	04 59 23.7 -1.1
TUWZ	Tuamaria	5.83 232	ePn	Pn	04 59 26.6 -2.5
TUWZ	Tuamaria	5.83 232	ePn	Pn	05 00 36.4 +1.8
LBWZ	Lake Benmore	5.87 226	P	Pn	04 59 26.7 -2.0
OUZ	Omaha	6.04 230	Pn	Pn	04 59 26.5 -3.0
BSWZ	Blackbirch Sta	6.04 230	Pn	Pn	04 59 29.3 -2.5
BSWZ	Blackbirch Sta	6.04 230	Pn	Pn	04 59 29.3 -2.5
NTZ	Nelson	6.08 236	Pn	Pn	04 59 31.4 -1.1
CTZ	Chatham Island	6.29 157	Pn	Pn	04 59 36.6 +1.3
QRZ	Quartz Range	6.48 242	Pn	Pn	04 59 38.7 -2.0
THZ	Tophouse	6.67 233	ePn	Pn	04 59 40.0 -0.6
THZ	Tophouse	6.67 233	ePn	Pn	05 00 54.9 -0.4
THZ	Tophouse	6.67 233	P	Pn	04 59 38.1 -2.4
KHZ	Kahutara	6.67 226	ePn	Pn	04 59 39.1 -1.5
KHZ	Kahutara	6.67 226	ePn	Pn	05 00 53.7 -1.5
KHZ	Kahutara	6.67 226	P	Pn	04 59 39.1 -1.5
LTZ	Lake Taylor	7.63 229	P	Pn	04 59 50.3 -3.5
LTZ	Lake Taylor	7.63 229	eSn	Pn	05 01 14.8 -4.1
LTZ	Lake Taylor	7.63 229	P	Pn	04 59 52.3 -1.5
OKCZ	Okains Bay	7.81 220	Pn	Pn	04 59 54.2 -2.0
AKCZ	Akaroa Harbour	7.81 220	Pn	Pn	04 59 56.7 -2.0
MOZ	McQueen's Vall	8.01 222	ePn	Pn	04 59 57.9 -1.0
MOZ	McQueen's Vall	8.01 222	ePn	Pn	05 01 22.6 -5.5
OXZ	Oxford	8.10 226	ePn	Pn	05 00 01.0 +0.8
OXZ	Oxford	8.10 226	ePn	Pn	05 01 23.9 -6.4
OXZ	Oxford	8.10 226	P	Pn	04 59 57.2 -2.3
OXZ	Oxford	8.10 226	P	Pn	04 59 58.5 -1.7
INZ	Inchbonnie	8.10 231	P	Pn	04 59 58.0 -2.1
WVZ	Waikanae Valley	8.72 231	Pn	Pn	05 00 07.4 -1.3
WVZ	Waikanae Valley	8.72 231	Pn	Pn	05 00 07.5 -1.3
RPZ	Rata Peaks	8.90 227	P	Pn	05 00 09.2 -2.0
RPZ	Rata Peaks	8.90 227	P	Pn	3.5nm,0.3s,baz=85,slo=6.5,SNR=8.9
RPZ	Rata Peaks	8.90 227	ePn	Pn	8.0nm,0.3s,baz=335,slo=22,SNR=17
RPZ	Rata Peaks	8.90 227	ePn	Pn	8.90 227
RPZ	Rata Peaks	8.90 227	P	Pn	8.90 227
FOZ	Fox Glacier	9.54 231	ePn	Pn	05 00 15.8 -4.0
FOZ	Fox Glacier	9.54 231	ePn	Pn	05 01 56.5 -9.1
FOZ	Fox Glacier	9.54 231	P	Pn	05 00 18.0 -1.8
LBZ	Lake Benmore	9.80 226	ePn	Pn	05 02 08.1 -4.3
LBZ	Lake Benmore	9.80 226	P	Pn	05 00 21.3 -2.2
ODZ	Otahua Downs	9.97 222	ePn	Pn	05 00 24.5 -1.4
ODZ	Otahua Downs	9.97 222	ePn	Pn	05 02 11.7 -4.7
ODZ	Otahua Downs	9.97 222	P	Pn	05 00 23.4 -2.5
JCZ	Jackson Bay	10.46 231	P	Pn	05 02 11.4 -1.2
JCZ	Jackson Bay	10.46 231	P	Pn	05 02 22.1 -6.3
HHSZ	Highcliff Hill	10.57 219	P	Pn	05 00 32.5 -1.6
WKZ	Wanaka	10.74 227	ePn	Pn	05 00 35.5 -0.9
WKZ	Wanaka	10.74 227	ePn	Pn	05 02 30.8 -4.6
TUZ	Tuapeka	11.11 221	P	Pn	05 02 40.2 -1.2
DZM	Mont Dzumac	19.70 320	eP	LR	05 02 30.5 -0.8
DZM	Mont Dzumac	19.70 320	eP	LR	0.5nm,0.3s,baz=117,slo=14,SNR=6.7
DZM	Mont Dzumac	19.70 320	eP	LR	comp=Z,930nm,21.7s,baz=171,slo=32
DZM	Mont Dzumac	19.70 320	eP	LR	71nm,1.2s
DZM	Mont Dzumac	19.70 320	eP	LR	1.1m,2.8s
DZM	Mont Dzumac	19.70 320	eP	LR	26nm,1.0s
RAR	Rarotonga	24.15 52	LR	LR	05 12 17.4
AFI	Afiamalu	25.05 19	LR	LR	05 14 52.7
TBI	Tubuai	29.85 70	eLR	LR	05 10 59.8
TBI	Tubuai	29.85 70	eLR	LR	175nm,34.2s
TBI	Tubuai	29.85 70	eT	T	05 03 44.6
STKA	Stiensens Creek	31.94 269	P	P	05 04 25.9 -1.3
STKA	Stiensens Creek	31.94 269	P	P	6.5nm,0.3s
STKA	Stiensens Creek	31.94 269	P	P	4.9nm,0.8s,baz=100,slo=10,SNR=2.8
STKA	Stiensens Creek	31.94 269	P	LR	05 16 01.4
STKA	Stiensens Creek	31.94 269	P	LR	comp=Z,331nm,21.8s,baz=80,slo=34
STKA	Stiensens Creek	31.94 269	P	LR	2.2nm,1.1s
PPT2	Papeete2	33.46 61	eLR	LR	05 12 46.5
HNR	Honiara	33.69 32	LR	LR	05 15 51.3
HNR	Honiara	33.69 32	LR	LR	comp=Z,96nm,21.9s,baz=138,slo=32
CTA	Charters Tower	34.25 292	P	P	05 04 44.4 -3.1
CTA	Charters Tower	34.25 292	P	P	13nm,0.8s,baz=126,slo=12,SNR=5.8
CTA	Charters Tower	34.25 292	eP	P	18nm,0.9s
BBOO	Buckleboe	35.97 265	P	P	05 04 47.5 +0.1
VNDA	Vanda	40.41 186	eP	P	05 05 39.4 +0.4
COEN	Coen	40.47 296	eP	P	05 05 38.5 -1.7
ASO1	Alice Springs	41.66 276	eP	P	05 05 48.0 -1.9
ASO1	Alice Springs	41.66 276	eP	P	05 05 48.6 -1.6
ASO1	Alice Springs	41.66 276	eP	P	6.2nm,0.7s
AS31	Alice Springs	41.70 276	P	P	05 05 47.5 -0.7
ASAR	Alice Springs	41.70 276	P	P	05 05 48.6 -1.7
ASAR	Alice Springs	41.70 276	P	P	17nm,0.8s,baz=118,slo=7.5,SNR=3.6
ASAR	Alice Springs	41.70 276	P	P	0.9nm,0.6s,baz=127,slo=4.0,SNR=2.8
ASAR	Alice Springs	41.70 276	P	LR	comp=Z,136nm,18.0s,baz=40,slo=39
FORT	Forrest	43.03 263	eP	P	05 05 59.7 -1.3
WB2	Warramunga Arr	43.35 281	eP	P	05 06 02.0 -1.8
WRAB	Tennant Creek	43.36 281	eP	P	05 06 02.0 -1.8
WR1	Warramunga Arr	43.36 281	eP	P	05 06 01.7 -2.1
WR1	Warramunga Arr	43.36 281	eP	P	20nm,1.1s
WR1	Warramunga Arr	43.36 281	eP	P	05 07 51.1 -0.8
WR1	Warramunga Arr	43.36 281	eP	P	8.1nm,0.5s,baz=121,slo=7.7,SNR=6.7
WRA	Warramunga Arr	43.36 281	eP	P	05 07 51.1 -0.8
WRA	Warramunga Arr	43.36 281	eP	P	0.9nm,0.6s,baz=117,slo=3.2,SNR=4.1
WRA	Warramunga Arr	43.36 281	eP	P	05 24 50.6
TAOE	Nuku Hiva Isla	46.08 61	eLR	LR	05 18 35.1
TAOE	Nuku Hiva Isla	46.08 61	eLR	LR	comp=Z,214nm,18.3s,baz=210,slo=37
CASY	Casey	47.76 211	eP	P	05 06 37.8 -0.1
CASY	Casey	47.76 211	eP	P	5.7nm,1.2s
NAY	Jayapura	50.40 305	P	P	05 06 56.6 -2.2
NAY	Jayapura	50.40 305	P	P	3nm,1.0s,baz=137,slo=15.4,SNR=7.8
NWAO	Narrogin BRO	50.56 256	P	P	05 06 59.1 -0.7
NWAO	Narrogin BRO	50.56 256	P	P	12nm,1.0s,baz=246,slo=7.6,SNR=3.9
FITZ	Fitzroy Crossi	51.19 277	eP	P	05 07 03.7 -1.0
QSPA	South Pole Qui	52.15 180	P	P	05 07 18.3 +6.8
QSPA	South Pole Qui	52.15 180	P	P	2.7nm,0.6s,baz=271,slo=9.0,SNR=7.8
QSPA	South Pole Qui	52.15 180	eP	P	11nm,1.0s
MAW	Mawson	64.68 202	P	P	05 08 42.4 +4.3
MAW	Mawson	64.68 202	P	P	2.7nm,0.4s,baz=132,slo=9.5,SNR=4.3
MAW	Mawson	64.68 202	P	P	3.7nm,1.3s
SYO	Syowa Base	69.39 194	eP	P	05 09 12.0 +3.6
SYO	Syowa Base	69.39 194	eP	P	69.39 194
SNAZ	Santae	70.87 177	P	P	05 09 21.4 +5.3
VNA3	Neumayer Olymp	70.87 177	P	P	05 09 26.2 +8.7
VNA1	Neumayer-Stat	71.52 177	P	P	05 09 27.9 +6.6
PLCA	Paso Flores	78.54 133	P	P	05 10 10.7 +8.2
ASAJ	Asahikawa	88.46 334	P	P	05 10 53.1 +0.2
ASAJ	Asahikawa	88.46 334	P	P	2.9nm,0.6s,baz=239,slo=9.5,SNR=4.4
ASAJ	Asahikawa	88.46 334	P	P	3.1nm,0.6s,baz=283,slo=13,SNR=3.5
ASAJ	Asahikawa	88.46 334	eP	P	14nm,1.2s
KSRS	Korea Array	89.13 321	P	P	05 10 56.1 0.0
KSRS	Korea Array	89.13 321	P	P	1.7nm,0.6s,baz=155,slo=6.2,SNR=0.0
KS15	Wonju Array S1	89.14 321	P	P	05 10 56.1 -0.1
KSAR	Wonju Array Be	89.14 321	P	P	05 10 56.1 -0.1
NJ2	Nanjing	90.41 312	eP	P	05 11 06.4 +6.0
PETK	Petropavlovsk-	92.76 347	P	P	05 11 13.4 +0.7

PEA1	Petropavlovsk-	92.76 347	eP	P	05 11 13.3 +0.6
CM31	Chiang Mai Arr	94.40 290	eP	P	05 11 21.0 -0.1
CMAR	Chiang Mai Arr	94.40 290	P	P	05 11 21.0 -0.1
NVAR	Mina Array Bea	94.45 44	PP	PP	05 15 19.9 +0.3
NVAR	Mina Array Bea	94.45 44	PP	PP	0.3nm,0.8s,baz=245,slo=11,SNR=2.7
HHC	Hu-ho-hao-te	100.33 314	eP	Pdf	05 11 52.0 +4.5
ILAR	Eielson Array	105.65 14	PP	PP	05 16 34.7 +1.0
WMQ	Urumqi	116.50 306	ePKP	PKP	05 16 49.6 +5.2
MK32	Makanchi Array	121.22 307	ePKP	PKP	05 16 52.4 -0.9
MK32	Makanchi Array	121.22 307	ePKP	PKP	0.5nm,0.7s,baz=126,slo=2.0,SNR=4.3
KSH	Kashi	122.47 297	ePKP	PKP	05 17 05.4 +9.2
KURH	Kurchatov	124.92 311	ePKP	PKP	05 16 59.5 -0.7
KURK	Kurchatov	124.92 311	ePKP	PKP	05 16 59.5 -0.7
KURB	Kurchatov Arra	124.94 310	PKP	PKP	05 16 59.5 -0.8
KURB	Kurchatov Arra	124.94 310	PKP	PKP	0.6nm,0.5s,baz=108,slo=2.2,SNR=6.1
KURB	Kurchatov Arra	124.94 310	PKP	PKP	0.1nm,0.3s,baz=123,slo=6.7,SNR=4.4
BVAR	Borovoye Array	130.45 312	PKP	PKP	05 17 10.0 -0.8
BVAR	Borovoye Array	130.45 312	PKP	PKP	0.7nm,0.4s,baz=241,slo=4.0,SNR=2.9
SP13	Spitsbergen Ar	139.11 355	PKP	PKP	05 17 28.9 +2.6
SP13	Spitsbergen Ar	139.11 355	PKP	PKP	3.1nm,0.8s,baz=79,slo=3.1,SNR=6.2
ARCO	ARCESS Array S	145.54 344	ePKP	PKP	05 17 37.5 -0.5
ARCO	ARCESS Array S	145.54 344	ePKP	PKP	0.5nm,0.6s,baz=176,slo=2.7,SNR=1.6
ARCO	ARCESS Array S	145.54 344	ePKP	PKP	1.2nm,0.4s,baz=37,slo=2.0,SNR=4.6
KBZ	Khaba	147.35 294	PKP	PKP	05 17 44.2 +0.1
KBZ	Khaba	147.35 294	PKP	PKP	4.1nm,0.9s,baz=147,slo=2.8,SNR=6.5
LIC	Lamto	148.06 170	ePKIP	PKP	05 17 49.4 -0.3
LIC	Lamto	148.06 170	ePKIP	PKP	55nm,0.9s
KIC	Toumoudi	148.48 170	ePKIP	PKP	05 17 49.4 -1.0
KIC	Toumoudi	148.48 170	ePKIP	PKP	105nm,1.3s
DBAI	Dimbokro	148.52 171	PKP	PKP	05 17 49.9 +1.7
DBAI	Dimbokro	148.52 171	PKP	PKP	5.7nm,1.0s,baz=156,slo=4.3,SNR=4.5
MMIC	Mount Meru Ar	150.90 271	ePKP	PKP	05 17 55.4 +1.8
MMIC	Mount Meru Ar	150.90 271	ePKP	PKP	1.4nm,0.4s,baz=122,slo=5.4,SNR=4.1
FAI1	FINES Array S	151.47 334	ePKP	PKP	05 17 53.2 -0.7
FAI1	FINES Array S	151.47 334	ePKP	PKP	05 17 53.2 -0.7
FAI1	FINES Array S	151.47 334	ePKP	PKP	05 17 53.2 -0.7
FAI1	FINES Array S	151.47 334	ePKP	PKP	05 17 53.2 -0.7
FAI1	FINES Array S	151.47 334	ePKP	PKP	05 17 53.2 -0.7
FINES	FINES Array S	151.47 334	ePKP	PKP	2.9nm,0.5s,baz=36,slo=4.8,SNR=1.8
BR101	Keiskin Array S	153.86 284	ePKP	PKP	05 18 00.9 +0.8
BR101	Keiskin Array S	153.86 284	ePKP	PKP	1.1nm,0.9s,baz=191,slo=3.8,SNR=4.0
BR101	Keiskin Array S	153.86 284	ePKP	PKP	05 18 00.9 +0.8
TORD	Torodi Ar. Bea	155.23 184	PKP	PKP	05 18 24.6 +5.1
TORD	Torodi Ar. Bea	155.23 184	PKP	PKP	0.9nm,0.6s,baz=176,slo=2.7,SNR=1.6
TORD	Torodi Ar. Bea	155.23 184	PKP	PKP	1.5nm,0.4s,baz=154,slo=2.1,SNR=4.5
NOA1	NORSAR Array B	155.87 347			

Table with columns: Call Sign, Name, Frequency, Band, Mode, and other technical details. Includes stations like NNZ, CTZ, QRTZ, THZ, THZ, KHZ, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, and other technical details. Includes stations like CASY, PATS, MATN, KNRA, JWAY, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, and other technical details. Includes stations like ILAR, WMQ, WMQ, MKAR, KSH, etc.

IDC 02 05:31:57.8.3.0.227S.100.09E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.5/7.6, Error ellipse: s-maj=144.5km s-min=20.2km az=55.0, Southern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Rows include Chiang Mai Arr, Warrunganga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra, ZALVB Zalesovo Beam, TXAR Lajitas Array.

IDC 02 05:38:01.9.0.9.35.41S:179.44W, h0km, mb4.8/6, mb1 4.8/8, mb1mx4.2/4.3, mbtmp4.7/8, ML4.2, MS3.8/10, Ms1 3.8/10, ms1mx3.5/4.8, Error ellipse: s-maj=33.7km s-min=22.0km az=152.0

ISCJBJ 02 05:38:03.3.0.8.35.40S:0.075:179.2W:0.1, h33km, mb4.8/13, MS3.8/9, Error ellipse: s-maj=13.8km s-min=4.6km az=20.7

WEL 02 05:38:06.3.1.1.35.5.13:17.9W:1.9, h33km, ML4.8/12, NEIC 02 05:38:07.6.0.9.36.13S:179.89E, h16km, km, mb4.7/4, Error ellipse: s-maj=13.8km s-min=3.8km az=107.0

B/JI 02 05:38:18.7.36.27S:179.07E, h115km, mb4.8/2, Error ellipse: s-maj=11.5km s-min=5.5km az=113.3

ISC 02 05:38:07.7.0.7.35.44S:0.07:179.58W:0.09, h35km, n114.2, az24/120, mb4.9/13, MS3.9/9, East of North Island

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like MXX Matakaoa Point, WMWG Waionatitini S, PKGZ Pakihiroa, HAZ Te Kaha, PUK Tuketia, RAUK Raukumara Rang, RWGZ Tauwharepara, CNGZ Carnagh Statio, TKGZ Te Karaka, MWZ Matawai, URZ Urewera, RAGZ Rawiri, PRZ Plateau Road, MARZ Manawaha, PRGZ Paritu Road, TGRZ Taunanga, SHNZ Shannon Statio, OMRZ Omnia, MHGZ Mahia Peninsula, RAHZ Aarahi, WHHZ Whaitua, PRRZ Plateau Road, MTWZ Maungataniwha, NMHZ Naumai, ARHZ Aroapanui, BKZ Black Stump Fm, MCHZ McNeill Hill, RITZ Ritihia Road, KWHZ Kaweka Forest, KAHZ Kahuranaki, KRHZ Kereru, WTVZ West Tongariro, BHZ Black Hill Sta, NGZ Ngauruhoe, TUVZ Tukino, COVZ Chateau Observ, HIZ Hawaii, MOVZ Moawhango, FWVZ Far West T-bar, MTVZ Mangateitei, PKVZ Pokaka, PNHZ Pukenui, OUZ Omahuta, VRZ Vera Road, WAZ Wangaiti, PRWZ Post Office Ro, BFZ Birch Farm, BFZ Birch Farm, RAO Raoul Island, SNZO South Karori, SNZO, THZ Topohue, THZ, KHZ Kahutara, LTZ Lake Taylor, MQZ McQueen's Vall, OXZ Oxford, OXZ, RPZ Rata Peaks, RPZ, RBZ Lake Benmore, ODZ Otahua Downs, MLZ Mavora Lakes, DCZ Deep Cove, DZM Mont Dzumac, DZM, DZM, RAR Rarotonga, ARMA Arimatea, ARMA, FUNA Funafuti, EIDS Eidsvold, TBI Tubuai, HNR Honiara, PPT2 Papeete.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like STKA Stephens Creek, CTCTA Charters Tower, CTCTA Charters Tower, PMG Port Moresby, ASO1 Alice Springs, ASO1 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WB2 Warrunganga Arr, WRAB Warrunganga Arr, WRA, TAOE Nuku Hiva Isla, NWAO Nauru (SRO), QSPA South Pole Qui, BATI Baunata, RPN Rapa Nui, LEMJ Lembang, NJ2, PETK Petropavlovsk, NNA Nana, HHC Hu-hao-te, WMQ Urungi, MKR Makanchi Array, KSH, KURK Kurchatov, KURBB Kurchatov Arra, BVAR Borovoye Array, ARCES ARCES Array B, FINES FINESS Array B, DIBS DIBS Array B, MMAL Mount Meron Arr, BRTR BKRK, NB2 NORSAR Subarray, NOA NORSAR Array B, NOA, HFS Hagfors, AKASG Malin Array B, CLL Collim.

IDC 02 05:58:17.5.0.5.51.52N:172.80W, h0km, mb4.7/4.5, mb1 4.8/4.7, mb1mx4.7/8.0, mbtmp4.7/4.7, ML4.3/2, MS3.9/14, Ms1 3.8/14, ms1mx3.5/7.6, Error ellipse: s-maj=14.4km s-min=9.5km az=164.0

ISCJBJ 02 05:58:18.3.0.1.51.44N:0.03:172.71W:0.02, h18km, mb4.8/282, MS4.1/22, Error ellipse: s-maj=4.1km s-min=1.9km az=0.9

NEIC 02 05:58:18.2.0.0.51.08N:172.75W, h32km, mb4.8/236, After AEIC.

B/JI 02 05:58:18.8.51.84N:173.13W, h11km, mb5.0/4.7, mb5.1/36, MS4.8/15, MS7.4/5/13

MOS 02 05:58:20.4.0.8.51.34N:172.78W, h28km, mb5.1/7.4, MS4.2/2, Error ellipse: s-maj=7.0km s-min=5.2km az=90.7

ISC 02 05:58:20.8.0.6.51.36N:0.06:172.75W:0.03, h22km, km, h22km: p-P, n909, o999/926, mb4.9/292, MS4.1/22, 16C-18D, Andeanof Islands

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like ATKA Atka Island, KOPF Korovin Flat P, KOKL Mount Kliuchef, KOWH Korovin West, NIKEH Nikolski Hill, OKSO Okmok South, OKAK Okmok, OKTU Okmok Mt. Tuli, MSW Makushin Switc, MSW, UNV Unalaska Valle, CERAA Semis' Rag'd T, CERAW Semis' Southwae, AMKA Amchitka, CSMF Chinat Pool, LSSA Little Sitkin, SPIA Saint Paul Isl, FALS False Pass, SDPT Sand Point, CHGN Chignik, KDKG Kodiak Island, SVWZ Sparrevohn, SWO Redoubt South, CNFM China Foot, BRLK Bradley Lake, SPU Mount Spurr, SKT Skwentna, PPLA Purkypelle, CAST Castle Rocks, PMR Palmer, PMR Palmer, GHO Glory Hole Cre, KTH Kantishna Hill, SML Sawmill, SML Sawmill, GLI Glacier Island, BPAW Bear Paw Mtn, FID Port Fidalgo, SCM Sheep Creek Mo, SCM Sheep Creek Mo, RND Reindeer, RND Reindeer, IM3 Indian Mountai, MCK McKinley.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like MCK McKinley, BWN Browne, BWN Browne, DIV Divide, MLY Manley, KLU Klutina, DHY Denali Highway, PEAOB Petropavlovsk, PETK Petropavlovsk, PETK Petropavlovsk, BTRM Bremner River, WRH Wood River Hill, HARP HAARP, CCB Clear Creek Bu, MDM Murphy Dome, COLA College, COLA College, ILAR Eielson Array, ILB Eielson Array, ILI Eielson Array, TGL Tana Glacier, RIDG Redoubt Rid, BALM Baldy, BALM Baldy, CALD Coldfoot, SKR Severo-Kuril's, SKR, SCRK, FYU Fort Yukon, TOLK Toolik Lake Re, TOLK Toolik Lake Re, EGAG Eagle, DAWY Dawson, SEY Seymchan, MA2 Magadan, MA2 Magadan, SIT Sitka, SIT Sitka, SKAG Skagway, BESE Besise Mountain, WHY Whitehorse, JIS Juneau Island, CRAIG Craig, WRAN Wrangell Island, DLBC Dease Lake, DLBC Dease Lake, INK Inuvik, INK Inuvik, KUR Kurik, TYV Tynovskoe, TYV, YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, YSS, YSS, ASAJ Asahikawa, ASAJ Asahikawa, ERM Erimo, ERM Erimo, ERM Erimo, LLL Lillooet, D03D Eldon, E03A Lebam, B05A Bryant, YKA Yellowknife Ar, YKA, YKA, YKB5 Yellowknife Ar, E04D Cinebar, D05A Enumclaw, G03D McMinnville, O, LTY Liberty, MHA Mahukona, MHA Mahukona, H04A Detroit Lake, B08A Colville Reser, F07A Phinny Hill, HAWA Hanford, D08A Wolfman Farm, KLR Chisman Rank, C09A Chisman Rank, L04D Klamath Falls, YBH Yreka Blue Hor, PINE Pine Mountain, J05D Fort Rock, OR.

2d 5h

2012 AUG

Table with columns: NEW, NEW, NEW, H11N2, H11N3, H11N1, N02D, G08A, ZEA, ZEA, ZEA, ZEA, M04C, K05A, O02D, F10A, MOD, H11S1, H11S2, H11S3, BMO, BMO, WALA, J08A, USRK, JTMT, WVOR, WVOR, MAJOR, MAJOR, MAJOR, MAT, MAT, MAJB, PAHR, VCNR, MSHR, MSHR, PNTR, CMB, CMB, YERR, WAKR, HRY, HLID, HLID, BMN, BMN, LRM, RYN, KVN, KVN, MCMT, MDPB, NV01, NVAR, NVAR, NVAR, EGMT, EGMT, NV11, BOZ, BOZ, BOZ, BOZ, YHB, YHB, YMR, GCMT, GCMT, BOD, BOD, CWC, H17A, H17A, FLWY, CN2, CN2, CN2, CN2, ISA, TPWA, R11A, R11A, R11A, RLMT, RLMT, RLMT, MPMC, FURC

Table with columns: TPNV, TPNV, TPNV, BLG, HWUT, DUG, DUG, DUG, PSUT, LAO, LAO, GSC, GSC, GSC, BW06, BW06, PD31, PDAR, PDAR, PDAR, JLU, DGMT, DGMT, BFSC, TUQ, HEC, BBRO, CCUT, CCUT, KSRS, KSAR, KSAR, MURC, MSU, MSU, GMR, LCMT, P17A, FRD, PFO, PFO, PFO, BEL, 109C, P18A, SRU, SRU, SRU, JUN, JUN, IRM, MONP, K22A, BC3, SWSC, IKP, PDMC, O20A, O20A, Y12C, Y12C, RSSD, RSSD, RSSD, GLA, PV09, PV21, PV23, PV14, PV22, PV17, PV16, MDND, MDND, PV11, PV18, PV12, PV03, PV13, PV02, WUAZ, WUAZ, N23A, ULM, MVC0, MVC0

Table with columns: W18A, S22A, 214A, A33A, AGMN, AGMN, C33A, SUSD, B34A, SDCO, SDCO, TUC, TUC, TUC, B35A, B35A, C35A, T25A, T25A, TLY, TLY, TLY, TASM, ANMO, ANMO, ANMO, ANMO, ANMO, TASL, C36A, ULN, ULN, ULN, D36A, ECSD, ECSD, C37A, KBS, KBS, SONA, SONM, SONM, D37A, EYMN, ZAK, ZAK, ZAK, H35A, BGNE, BGNE, MOY, MOY, SP0A, SP17, SP17, SP17, H36A, F37A, E38A, SPMN, SPMN, DAG, DAG, DAG, I36A, F38A, HHC, HHC, J36A, J36A, H37A, I37A, I37A, E39A, G38A, F39A, H38A, K36A, J37A, E40A, G39A, I38A, K37A, F40A, MNTX, MNTX

H39A	Augusta	52.24	63	P	P	06 07 29.3	-0.5
M36A	Felix, Anita	52.25	68	P	P	06 07 29.7	-0.3
MSTX	Muleshoe	52.28	81	eP	P	06 07 31.3	+0.8
MSTX	Muleshoe	52.28	81	P	P	06 07 30.3	-0.2
SUMG	Summit	52.34	16	eP	P	06 07 30.1	-0.6
SUMG	Summit	52.34	16	iP	P	06 07 29.7	-1.0
SUMG	Summit	52.34	16	eP	P	06 08 42.1	
SUMG	Summit	52.34	16	eP	P	06 07 30.1	-0.6
BTO	Baotou	52.37	290	eP	P	06 07 31.0	0.0
E41A	Kenton	52.42	60	P	P	06 07 30.4	-0.7
J38A	Wedel Dairy, R	52.42	65	P	P	06 07 30.7	-0.5
L37A	Phoenix Point,	52.43	67	P	P	06 07 30.8	-0.5
G40A	Rib Lake	52.48	62	eP	P	06 07 31.2	-0.4
G40A	Rib Lake	52.48	62	P	P	06 07 30.9	-0.7
COWI	Conover	52.55	61	eP	P	06 07 31.5	-0.7
N36A	Muff Farm, Cla	52.56	69	P	P	06 07 31.7	-0.6
NJ2	Nanjing	52.60	276	eP	P	06 07 32.4	-0.2
I39A	Houston	52.62	64	eP	P	06 07 32.4	-0.3
I39A	Houston	52.62	64	P	P	06 07 32.0	-0.7
K38A	Parkersburg	52.67	66	eP	P	06 07 32.9	-0.1
K38A	Parkersburg	52.67	66	P	P	06 07 32.4	-0.6
KSU1	Kansas State U	52.68	72	P	P	06 07 32.4	-0.8
M37A	Trindie Farm,	52.71	68	P	P	06 07 33.1	-0.3
H40A	Chili	52.78	63	P	P	06 07 33.3	-0.5
F41A	Three Lakes	52.79	61	eP	P	06 07 34.0	+0.1
F41A	Three Lakes	52.79	61	P	P	06 07 33.3	-0.6
J39A	Decorah	52.84	65	P	P	06 07 33.5	-0.8
L38A	Oak Wood Farm,	52.88	67	P	P	06 07 34.0	-0.6
SCIA	State Center	52.88	67	eP	P	06 07 35.0	+0.3
SCIA	State Center	52.88	67	P	P	06 07 34.4	-0.3
E42A	Champion	53.01	60	P	P	06 07 35.2	-0.3
N37A	Lee Faris, Mou	53.03	69	eP	P	06 07 36.0	+0.2
N37A	Lee Faris, Mou	53.03	69	P	P	06 07 35.6	-0.2
G41A	Antigo	53.08	61	P	P	06 07 35.5	-0.5
I40A	Norwalk	53.11	64	P	P	06 07 35.6	-0.7
K39A	Delwein	53.14	65	P	P	06 07 35.3	-1.2
H41A	Junction City	53.19	62	eP	P	06 07 36.6	-0.3
H41A	Junction City	53.19	62	P	P	06 07 36.2	-0.7
M38A	Pleasantville	53.20	67	P	P	06 07 36.5	-0.5
J40A	Soldiers Grove	53.35	64	P	P	06 07 37.0	-1.1
I41A	Arkdale	53.42	63	eP	P	06 07 37.9	-0.7
L39A	Vinton	53.44	66	P	P	06 07 37.9	-0.8
O37A	Volven Farm, M	53.45	69	P	P	06 07 38.3	-0.6
G42A	Mountain	53.47	61	P	P	06 07 38.3	-0.6
E43A	Lone Tree Farm	53.54	59	P	P	06 07 38.8	-0.6
K40A	Colesburg	53.57	65	P	P	06 07 38.6	-1.1
N38A	Joes South For	53.58	68	P	P	06 07 39.1	-0.7
P37A	Lathrop	53.70	70	P	P	06 07 39.7	-1.0
M39A	Webster	53.76	67	P	P	06 07 40.5	-0.6
J41A	Loganville	53.78	64	P	P	06 07 40.2	-1.0
F43A	Flat Rock, Esc	53.79	60	P	P	06 07 40.5	-0.7
O38A	Galt	53.88	69	P	P	06 07 41.1	-0.8
H42A	Shiocton	53.88	62	P	P	06 07 41.4	-0.5
L40A	Anamosa	53.93	66	eP	P	06 07 41.4	-0.9
L40A	Anamosa	53.93	66	P	P	06 07 41.2	-1.1
JFWS	Jewell Farm	53.94	64	eP	P	06 07 41.4	-1.0
JFWS	Jewell Farm	53.94	64	eP	P	06 07 41.4	-1.0
JFWS	Jewell Farm	53.94	64	P	P	06 07 41.2	-1.2
N39A	Derby Farms, D	53.95	68	eP	P	06 07 42.0	-0.5
N39A	Derby Farms, D	53.95	68	P	P	06 07 42.0	-0.5
I42A	Drueger Farm,	54.06	63	P	P	06 07 42.5	-0.7
K41A	Shullsburg	54.10	65	P	P	06 07 42.5	-1.0
P38A	Dawn	54.16	69	eP	P	06 07 43.4	-0.7
P38A	Dawn	54.16	69	P	P	06 07 43.1	-1.0
M40A	Post Highland	54.18	66	P	P	06 07 43.0	-1.1
WMOK	Wichita Mounta	54.23	77	eP	P	06 07 44.9	+0.2
WMOK	Wichita Mounta	54.23	77	eP	P	06 07 44.9	+0.2
WMOK	Wichita Mounta	54.23	77	P	P	06 07 44.2	-0.4
J42A	Columbus	54.31	63	P	P	06 07 44.0	-1.1
H43A	Windswept, Lux	54.32	61	P	P	06 07 44.5	-0.7
O39A	Kirksville	54.33	68	P	P	06 07 44.5	-0.8
L41A	Preston	54.33	65	P	P	06 07 44.2	-1.1
N40A	Mertquake, Sal	54.48	67	P	P	06 07 45.5	-0.9
I43A	Langenfeld Bro	54.49	62	P	P	06 07 45.8	-0.6
HVS	Khovu-Aksy	54.51	309	iP	P	06 07 46.9	+0.3
E45A	Wooded Hills,	54.52	58	P	P	06 07 46.2	-0.4
K42A	Prairie Point,	54.53	64	P	P	06 07 45.6	-1.1
Q38A	Cooks Store, C	54.54	70	P	P	06 07 45.4	-1.4
J43A	Natural Harves	54.66	63	P	P	06 07 46.7	-1.0
P39B	Salisbury	54.71	69	P	P	06 07 46.8	-1.2
M41A	Milan	54.76	66	P	P	06 07 47.4	-0.9
F45A	CMU Biological	54.77	59	P	P	06 07 47.4	-0.9
O40A	La Belle	54.81	68	P	P	06 07 47.9	-0.9

L42A	Oliver, Polo	54.85	65	eP	P	06 07 49.1	+0.1
L42A	Oliver, Polo	54.85	65	P	P	06 07 48.4	-0.6
Q39A	Willow Grove F	54.87	70	P	P	06 07 47.8	-1.4
TX31	Lajitas Ar. Si	54.89	86	eP	P	06 07 49.7	+0.1
TXAR	Lajitas Arroy	54.89	86	P	P	06 07 49.6	0.0
N41A	Harden Midland	55.01	67	eP	P	06 07 49.5	-0.7
N41A	Harden Midland	55.01	67	P	P	06 07 49.3	-0.9
P40A	Paris	55.09	69	eP	P	06 07 49.9	-0.9
P40A	Paris	55.09	69	P	P	06 07 49.8	-1.0
K43A	Burlington	55.15	63	eP	P	06 07 50.7	-0.5
K43A	Burlington	55.15	63	P	P	06 07 50.3	-0.8
S38A	Stockton	55.25	71	P	P	06 07 50.4	-1.6
L43A	Garden Prairie	55.26	64	P	P	06 07 50.9	-1.0
O41A	Passleys Farm,	55.38	67	P	P	06 07 52.0	-0.9
N42A	Yates City	55.41	66	P	P	06 07 52.1	-0.9
T38A	Diamond	55.41	72	P	P	06 07 52.0	-1.2
Q40A	Laux Farm, Aux	55.43	69	P	P	06 07 51.9	-1.4
S39A	Bolivar	55.55	71	eP	P	06 07 52.1	-2.0
S39A	Bolivar	55.55	71	P	P	06 07 52.3	-1.9
M43A	Waltham Townsh	55.62	65	P	P	06 07 53.7	-0.9
L44A	Lake County Fo	55.73	64	P	P	06 07 54.3	-1.1
R40A	Maddies State	55.78	70	eP	P	06 07 54.2	-1.6
R40A	Maddies State	55.78	70	P	P	06 07 54.8	-1.0
GLMI	Graying	55.81	59	eP	P	06 07 56.0	0.0
GLMI	Graying	55.81	59	P	P	06 07 55.6	-0.4
N43A	Stutzman Famil	55.83	65	P	P	06 07 54.8	-1.2
Q41A	Truxton	55.95	69	P	P	06 07 56.0	-1.0
T39A	Cleaver	55.97	72	P	P	06 07 55.8	-1.4
HDIL	Hopedale	56.01	66	eP	P	06 07 57.1	-0.3
HDIL	Hopedale	56.01	66	P	P	06 07 56.5	-0.8
P42A	Winchester	56.05	67	eP	P	06 07 57.1	-0.6
P42A	Winchester	56.05	67	P	P	06 07 56.8	-0.9
M44A	Midewin, Midew	56.17	64	eP	P	06 07 58.3	-0.2
M44A	Midewin, Midew	56.17	64	P	P	06 07 57.7	-0.9
O43A	Sugar Creek Fa	56.18	66	P	P	06 07 57.7	-0.9
R41A	Rosebud	56.30	69	P	P	06 07 58.0	-1.4
U39A	Green Forest	56.33	72	P	P	06 07 58.6	-1.2
Q42A	Golden Eagle	56.38	68	P	P	06 07 59.4	-0.7
T40A	Matfield	56.39	71	P	P	06 07 58.6	-1.5
P43A	Skaggs, Pawnee	56.48	67	P	P	06 07 59.9	-0.9
N44A	Piper City	56.51	65	eP	P	06 08 00.1	-0.8
CCM	Cathedral Cave	56.54	69	eP	P	06 08 00.0	-1.2
CCM	Cathedral Cave	56.54	69	eP	P	06 08 00.0	-1.2
CCM	Cathedral Cave	56.54	69	P	P	06 08 00.4	-0.8
S41A	Jillco Farms,	56.56	70	P	P	06 07 59.4	-1.9
V39A	Pettigrew	56.60	73	P	P	06 08 00.8	-1.0
R42A	Luebbering	56.65	69	P	P	06 08 00.9	-1.1
U40A	Yellville	56.73	72	P	P	06 08 01.0	-1.6
ZALV	Zalesow Beam	56.73	316	P	P	06 08 00.7	-1.6
ZALV	Zalesow Beam	56.73	316	P	P	06 08 58.3	+0.2
O44A	Mansfield	56.75	66	P	P	06 08 01.8	-0.9
N45A	Kenand	56.83	65	P	P	06 08 02.7	-0.5
Q43A	New Douglas	56.85	68	P	P	06 08 02.6	-0.7
T41A	Mountain View	56.91	71	P	P	06 08 01.9	-1.9
W39A	Magazine	56.95	74	eP	P	06 08 04.0	-0.2
W39A	Magazine	56.95	74	P	P	06 08 03.3	-0.8
S42A	Caledonia	56.99	69	P	P	06 08 03.7	-0.7
FVM	French Village	57.06	69	eP	P	06 08 05.1	+0.2
FVM	French Village	57.06	69	eP	P	06 08 05.1	+0.2
O45A	Potomac	57.11	65	P	P	06 08 04.7	-0.5
M46A	Old House Fiel	57.11	63	P	P	06 08 04.5	-0.7
V40A	Witts Springs	57.12	72	eP	P	06 08 04.3	-1.0
V40A	Witts Springs	57.12	72	P	P	06 08 03.9	-1.4
P44A	Sand Creek, Wi	57.12	66	P	P	06 08 04.7	-0.6
R43A	Red Bud	57.16	68	P	P	06 08 04.4	-1.1
X39A	Fountain Ranch	57.22	74	P	P	06 08 05.6	-0.5
N46A	Monticello	57.24	64	P	P	06 08 05.4	-0.7
Q44A	Meyer Farm, Va	57.27	67	P	P	06 08 05.4	-1.0
U41A	Viola	57.29	71	P	P	06 08 04.8	-1.7
T42A	Van Buren	57.32	70	eP	P	06 08 05.3	-1.4
T42A	Van Buren	57.32	70	P	P	06 08 04.8	-1.9
SFIN	Lafayette	57.38	65	eP	P	06 08 06.9	-0.2
SFIN	Lafayette	57.38	65	P	P	06 08 06.8	-0.3
W40A	Ferguson Farm,	57.38	73	eP	P	06 08 07.0	-0.3
W40A	Ferguson Farm,	57.38	73	P	P	06 08 06.6	-0.6
MIAR	Mount Ida	57.52	74	eP	P	06 08 08.2	0.0
MIAR	Mount Ida	57.52	74	eP	P	06 08 08.2	0.0
MIAR	Mount Ida	57.52	74	P	P	06 08 07.8	-0.4
V41A	Mountainview	57.52	73	P	P	06 08 06.7	-1.6
S43A	Fulton Ridge,	57.55	69	P	P	06 08 07.2	-1.2
P45A	Graceland, Par	57.58	66	eP	P	06 08 08.3	-0.2
P45A	Graceland, Par	57.58	66	P	P	06 08 07.6	-0.9
SCHO	Schefferville	57.59	41	P	P	06 08 08.5	+0.1

SCHO	Schefferville	57.59	41	eP	P	06 08 08.9	+0.6
R44A	Waltonville	57.67	68	P	P	06 08 08.1	-1.1
U42A	Revdent	57.69	71	P	P	06 08 08.0	-1.4
T43A	Greenville	57.75	70	P	P	06 08 08.4	-1.4
Q45A	Warren Harvey,	57.77	67	P	P	06 08 09.1	-0.7
L48A	N Adams	57.82	62	P			

OXF	baz=314	60.03	71	eP	P	06 08 25.5	-0.1
OXF	comp=Z,30nm,1.1s	60.03	71	eP	P	06 08 25.5	-0.1
OXF	comp=Z,30nm,1.1s	60.03	71	eP	Pmax	06 08 25.5	-0.1
OXF	baz=314	60.03	71	P	P	06 08 24.9	-0.8
TRQ	Mont Tremblant	60.09	52	eP	P	06 08 25.7	-0.3
ERPA	Erie	60.12	59	P	P	06 08 25.0	-1.2
S49A	Springfield	60.17	66	P	P	06 08 25.9	-0.7
Q50A	Georgetown	60.19	64	P	P	06 08 26.2	-0.5
V47A	Nunnelly	60.24	69	P	P	06 08 26.4	-0.7
U48A	Cassie Pes. Po	60.33	68	P	P	06 08 27.4	-0.3
ALLY	Alegheny Colle	60.36	59	eP	P	06 08 28.5	+0.6
R50A	Paris	60.38	65	P	P	06 08 27.4	-0.5
Q51A	Peebles	60.42	64	P	P	06 08 28.0	-0.2
PLAL	Pickwick Lake	60.50	70	eP	P	06 08 28.1	-0.8
T49A	Edmonton	60.50	67	eP	P	06 08 28.7	-0.2
T49A	Edmonton	60.50	67	P	P	06 08 28.2	-0.7
W47A	Westpoint	60.59	69	P	P	06 08 28.8	-0.7
V48A	Smith Brothers	60.70	69	eP	P	06 08 29.8	-0.5
V48A	Smith Brothers	60.70	69	P	P	06 08 29.4	-0.9
M54A	Oil Creek Stat	60.72	59	eP	P	06 08 30.5	+0.2
M54A	Oil Creek Stat	60.72	59	P	P	06 08 30.0	-0.3
S50A	Richmond	60.75	65	P	P	06 08 30.1	-0.5
U49A	Red Boiling Sp	60.77	67	P	P	06 08 30.1	-0.6
R51A	Hillsboro	60.79	64	P	P	06 08 30.8	+0.1
Y46A	Houston	60.80	71	P	P	06 08 30.4	-0.5
N54A	Moraine State	60.93	60	eP	P	06 08 32.0	+0.3
N54A	Moraine State	60.93	60	P	P	06 08 31.3	-0.4
X47A	Russelville	60.95	70	P	P	06 08 31.2	-0.7
T50A	Nancy	60.96	66	P	P	06 08 31.5	-0.5
244A	Avery, Jackson	60.99	74	P	P	06 08 32.0	-0.3
W48A	Piulski	61.06	69	P	P	06 08 31.8	-0.8
LONy	Lake Ozonia	61.20	54	P	P	06 08 32.9	-0.6
V49A	McMinville	61.22	68	P	P	06 08 33.0	-0.8
Z46A	Louisville	61.23	72	P	P	06 08 33.4	-0.4
S51A	Beattyville	61.24	65	P	P	06 08 33.3	-0.6
R52A	Catlettsburg	61.29	64	P	P	06 08 33.7	-0.5
U50A	Jamestown	61.38	67	P	P	06 08 34.2	-0.7
Y47A	UCPARC, Winfie	61.38	71	P	P	06 08 34.5	-0.3
W49A	Belvidere	61.46	69	P	P	06 08 34.4	-1.0
X48A	Hartselle	61.47	70	P	P	06 08 34.6	-0.8
S52A	Salyersville	61.51	65	P	P	06 08 35.3	-0.3
T51A	Gray	61.51	66	P	P	06 08 34.9	-0.8
SWET	Sewanee	61.59	68	eP	P	06 08 35.7	-0.6
KURK	Kurchatov	61.70	317	eP	P	06 08 36.2	-0.5
KURK	Kurchatov	61.70	317	P	P	06 08 35.9	-0.9
Z47A	Carrollton	61.75	71	P	P	06 08 36.4	-0.9
V50A	Pikeville	61.75	67	P	P	06 08 36.4	-0.9
Y48A	Jasper	61.78	70	P	P	06 08 36.6	-0.9
KURRB	Kurchatov Arra	61.81	317	P	P	06 08 37.0	-0.4
X49A	Woodville	61.85	69	P	P	06 08 37.1	-1.0
U51A	La Follette	61.88	66	P	P	06 08 37.7	-0.6
MCWV	Mont Chateau	61.92	61	P	P	06 08 38.3	0.0
Z48A	Northport	61.93	71	P	P	06 08 37.4	-1.2
T52A	Hallie	61.96	65	P	P	06 08 38.3	-0.4
W50A	Signal Mountai	61.96	68	eP	P	06 08 38.5	-0.3
W50A	Signal Mountai	61.96	68	P	P	06 08 38.1	-0.8
TZTN	Tazewell	62.03	66	eP	P	06 08 39.4	+0.2
TZTN	Tazewell	62.03	66	P	P	06 08 39.0	-0.2
V51A	Loudon	62.09	67	P	P	06 08 39.0	-0.6
BORG	Borgarnes	62.12	13	P	P	06 08 37.6	-1.7
O56A	Blue Knob Stat	62.18	60	eP	P	06 08 40.3	+0.1
O56A	Blue Knob Stat	62.18	60	P	P	06 08 40.0	-0.2
BINY	Binghamton	62.19	57	eP	P	06 08 40.7	+0.5
BINY	Binghamton	62.19	57	P	P	06 08 40.3	+0.1
CPCT	Cooper Cave	62.24	67	eP	P	06 08 40.5	-0.1
U52A	Thorn Hill	62.24	66	P	P	06 08 40.2	-0.5
Y49A	Blount Mountai	62.26	70	P	P	06 08 40.0	-0.8
X50B	Fort Payne	62.28	69	P	P	06 08 40.0	-1.0
SSPA	Standing Stone	62.29	59	eP	P	06 08 40.9	0.0
SSPA	Standing Stone	62.29	59	P	P	06 08 40.7	-0.2
W51A	Cleveland	62.31	68	P	P	06 08 40.2	-0.9
WMQ	Urumqi	62.47	306	P	P	06 08 42.1	0.0
WMQ	Urumqi	06 08 46.9	-2.3				
WMQ	comp=Z,95nm,0.9s			Pmax	Pmax		
WMQ	comp=Z,370nm,4.5s			LR	LR		
WMQ	comp=Z,350nm,25.1s			LR	LR		
WMQ	comp=Z,500nm,28.3s			LR	LR		
V52A	Sevierville	62.50	66	eP	P	06 08 41.9	-0.5
V52A	Sevierville	62.50	66	P	P	06 08 41.8	-0.5
TKL	Tuckaleechee C	62.53	67	eP	P	06 08 41.7	-0.9
TKL	Tuckaleechee C	62.53	67	eP	P	06 08 42.1	-0.4
TKL	Tuckaleechee C	62.53	67	P	P	06 08 42.2	-0.4
ACCN	Adirondack Com	62.54	54	eP	P	06 08 43.1	+0.6
Y50A	Piedmont	62.64	69	P	P	06 08 42.3	-1.0

CD2	baz=315	62.66	286	eP	P	06 08 42.0	-1.6
Z49A	Chengdu	62.66	70	P	P	06 08 42.5	-1.0
X51A	Columbiana	62.67	68	P	P	06 08 42.5	-1.0
U53A	Fall Branch	62.72	65	P	P	06 08 43.3	-0.6
248A	Dixon Mills	62.73	72	P	P	06 08 43.5	-0.4
347A	Saraland	62.74	73	P	P	06 08 43.6	-0.3
KSPA	Keystone Colle	62.76	57	eP	P	06 08 44.7	+0.7
W52A	Murphy	62.84	67	eP	P	06 08 44.4	-0.2
W52A	Murphy	62.84	67	P	P	06 08 43.9	-0.7
MK31	Makanchi Array	62.95	312	eP	P	06 08 44.1	-1.1
MK31	Makanchi Array	62.95	312	eP	P	06 08 44.1	-1.1
MKAR	Makanchi Array	62.95	312	eP	P	06 08 44.1	-1.1
MKAR	Makanchi Array	62.95	312	eP	P	06 08 44.1	-1.1
MK01	Makanchi Array	62.96	312	eP	P	06 08 44.1	-1.2
Z50A	Ashland	62.98	70	eP	P	06 08 44.9	-0.8
Z50A	Ashland	62.98	70	P	P	06 08 44.8	-0.8
Y51A	Rockmart	63.02	69	P	P	06 08 44.7	-1.2
V53A	Saluda	63.07	66	eP	P	06 08 46.2	-0.1
V53A	Saluda	63.07	66	P	P	06 08 45.9	-0.3
MAKZ	Makanchi	63.08	312	eP	P	06 08 45.5	-0.6
MAKZ	Makanchi	63.08	312	eP	P	06 08 45.5	-0.6
PAGS	Pennsylvania G	63.20	59	eP	P	06 08 47.3	+0.3
X52A	Dahlonega	63.21	68	P	P	06 08 46.4	-0.7
N59A	State Game Lan	63.22	57	eP	P	06 08 47.5	+0.4
N59A	State Game Lan	63.22	57	P	P	06 08 47.0	-0.1
W53A	Cullowhee	63.23	67	P	P	06 08 46.6	-0.7
PRGR	Fermogore	63.27	341	eP	P	06 08 46.0	-1.0
BVA0	Borovoye Array	63.27	323	iP	P	06 08 46.7	-0.5
BVA0	Borovoye Array	63.27	323	P	P	06 08 46.6	-0.6
BVAR	Borovoye Array	63.27	323	P	P	06 08 46.6	-0.6
BVAR	Borovoye Array	63.27	323	P	P	06 08 46.6	-0.6
BRVK	Borovoye	63.29	323	eP	P	06 08 46.5	-0.8
BRVK	Borovoye	63.29	323	iP	P	06 08 47.1	-0.2
BLA	Blacksburg	63.33	63	eP	P	06 08 48.3	+0.4
BLA	Blacksburg	63.33	63	P	P	06 08 47.5	-0.4
150A	Eclectic	63.38	70	P	P	06 08 47.7	-0.6
BG3	Lake Jocassee	63.48	67	eP	P	06 08 49.0	+0.1
MVL	Millersville	63.57	58	eP	P	06 08 49.9	+0.5
349A	Repton	63.58	72	P	P	06 08 49.2	-0.3
X53A	Estanollee	63.62	67	P	P	06 08 49.2	-0.6
Y52A	Lilburn	63.63	68	eP	P	06 08 49.5	-0.4
Y52A	Lilburn	63.63	68	P	P	06 08 49.2	-0.7
LUPA	Lehigh Univers	63.66	57	eP	P	06 08 50.8	+0.8
250A	Grady	63.68	71	eP	P	06 08 49.8	-0.4
250A	Grady	63.68	71	P	P	06 08 49.5	-0.8
ODNJ	Ogdensburg	63.71	57	eP	P	06 08 50.8	+0.5
SDMD	Soldier's Deli	63.73	59	eP	P	06 08 50.7	+0.3
Z52A	Williamson	63.91	69	P	P	06 08 50.2	-1.5
Y53A	Monroe	63.92	68	P	P	06 08 50.9	-0.9
449A	Pace	63.99	73	P	P	06 08 52.1	-0.2
GYA	Gulyang	64.08	280	eP	P	06 08 53.2	+0.1
152A	Waverly Hall	64.10	70	P	P	06 08 51.3	-1.7
PAL	Palisades	64.13	56	P	P	06 08 53.3	+0.3
CVRD	Centerville Ro	64.16	61	eP	P	06 08 53.6	+0.3
KMSC	Kings Mountain	64.29	65	eP	P	06 08 54.1	-0.1
KMSC	Kings Mountain	64.29	65	P	P	06 08 53.8	-0.4
CBN	Corbin Frederi	64.30	61	P	P	06 08 54.2	-0.1
GOGA	Godfrey	64.31	68	P	P	06 08 53.4	-0.9
Z53A	Monticello	64.34	68	P	P	06 08 53.1	-1.5
Y54A	Tigard	64.43	67	P	P	06 08 54.3	-0.9
NCAT	North Carolina	64.50	64	eP	P	06 08 55.8	+0.2
ARU	Arti	64.53	331	eP	P	06 08 54.9	-0.5
ARU	Arti	64.53	331	iP	P	06 08 54.7	-0.7
ARU	Arti	06 17	34.0	+1.0			
ARU	Arti	06 21	43.3	+0.9			
ARU	comp=Z,10.0nm,0.6s			MLR	MLR		
URVA	University of	64.67	61	eP	P	06 08 57.2	+0.6
Z54A	Sparta	64.79	68	P	P	06 08 56.5	-1.0
JSC	Jenkinsville	64.95	66	eP	P	06 08 58.8	+0.3
JSC	Jenkinsville	64.95	66	eP	P	06 08 58.8	+0.3
154A	Montrose	65.09	69	P	P	06 08 58.3	-1.1
KLMR	Klimovskoe	65.18	343	eP	P	06 08 55.4	-4.1
KLMR	Klimovskoe	65.18	343	eP	P	06 08 55.4	-4.1
254A	Abbeville	65.46	69	P	P	06 09 00.8	-1.0
454A	Quitman	66.15	70	P	P	06 09 05.9	-0.4
FINES	FINES Array B	66.54	350	P	P	06 09 06.5	-1.8
FINES	comp=Z,2.6nm,0.6s,baz=3.8,slow=5.1,SNR=4.7			P	P	06 09 37.4	-0.2
FINES	comp=Z,100nm,18.7s,baz=59,slow=40			P	P	06 41 57.0	
FINES	FINES Array B	66.54	350	iP	P	06 09 07.3	-1.0
PDGK	Podgornoye	66.85	311	P	P	06 09 10.5	-0.3
KMI	Kunming	67.46	282	P	P	06 09 15.6	+0.6
KMI	Kunming	comp=Z,10.0nm,0.5s					

KMI	comp=Z,290nm,5.8s			Pmax	Pmax		
NC204	NORSAR Array S	67.68	358	eP	P	06 09 15.2	-0.5
NB201	NORSAR Array S	67.89	358	eP	P	06 09 16.4	-0.6
NB2	NORSAR Subarra	67.90	358	P	P	06 09 16.1	-0.9
NOA	NORSAR Array B	67.90	358	P	P	06 09 16.1	-0.9
HFS	Hagfors	68.74	357	P	P	06 09 21.0	-1.2

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC, h, m, s, I, S, C. Includes stations like WERN, PLUB, NEUN, JAVC, KHC, MOX, MANZ, ROTZ, GECZ, GERES, SMOL, WETZ, LANS, MODS, NIE, VYHS, BSD, CONA, GRF, SOP, MOA, KECS, ARSA, PSZ, BLEU, KBA, SOKA, OBKA, WATA, MYKA, WTTA, MOTA, ABTA, FETA, GNOU, DAVA, DAVOX, BORU, CDF, LNKK, FKPU, VIKU, HINF, BURAR, HAU, ASKU, NASU, CABF, AKASG, AKASG, HFS, MBDF, FINES, ARCES, AKTO, BVAR, KURBB, TORDD, ZALV.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC, h, m, s, I, S, C. Includes stations like MKAR, SONM, PDAR, TXAR, IKAZ, IKAZ, IRAM, IRAM, IRAM, SHI, IPAR, IPAR, IPAR, ZNGN, ZNGN, ZNGN, IGAR, IGAR, ROKH, ROKH, ISRV, ISRV, ISRV, ISAD, ISAD, ISAD, IZEF, IZEF, IZEF, NASN, NASN, IMEH, IMEH, IMEH, IKHL, IKHL, IKHL, GHIR, GHIR, GHIR, GHIR, ICHK, ICHK, ICHK, YZKH, YZKH, ANAR, ANAR, KHMZ, KHMZ, GHMV, GHMV, ASAO, ASAO, ASAO, IVRN, IVRN, IVRN, IVRN, HSAM, HSAM, HSAM, HAGO, HAGO, HAGO, TPVR, TPVR, TPVR, IRAZ, IRAZ, IRAZ.

Table with columns: Code, Station Name, Az, Alt, Phase ID, Time, Res, ISC, h, m, s, I, S, C. Includes stations like IRAZ, IRAZ, IFIR, IFIR, IFIR, IKOM, IKOM, IANJ, IANJ, GENO, GENO, GENO, TNSJ, TNSJ, ISHM, ISHM, HKZM, HKZM, HKZM, QABC, QABC, IVIS, IVIS, SNGE, SNGE, SHME, SHME, BANOM, BANOM, MSFE, MSFE, MSFE, NAZ, NAZ, ASUD, ASUD, ASUD, UOSS, UOSS, UOSS, HATD, HATD, HATD, ASHO, ASHO, ASHO, ALNE, ALNE, GEYT, GEYT, RAYN, RAYN, RAYN, WSAR, WSAR, WSAR, GNI, GNI, GNI, ASF, ASF, ASF, MMAL, MMAL, MMAL, KBZ, KBZ, KBZ, BRTR, BRTR, BRTR, AKTO, AKTO, AKTO, IDI, IDI, IDI, MLR, MLR, MLR, BVAR, BVAR, BVAR, AKASG, AKASG, AKASG, KIEV, KIEV, KIEV, KURBB, KURBB, KURBB, KURK, KURK, MKAR, MKAR, ZALV, ZALV, ZALV, FINES, FINES, FINES, DAVOX, DAVOX, DAVOX, HFS, HFS, HFS, HFS, NOA, NOA, NOA, ARCES, ARCES, ARCES, CMAR, CMAR, CMAR, TORDD, TORDD, TORDD, KOWA, KOWA, KOWA, WRA, WRA, WRA, RATA, RATA, RATA.

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

BUIJ 02:07:38.3, 7.245 x 131.37E, h44km, mb5.5/68, mB5.5/45, Ms5.0/36, Ms7.4/730

MOS 02:07:39.6, 0.9, 6.85S: 131.09E, h28km, mb5.5/48, MS4.2/8, Error ellipse: s-maj=8.9km s-min=5.5km az=115.7

ISCJB 02:07:41.1, 1.0, 1.6: 97S: 0.02: 131.20E: 0.02, h47km, mb5.3/142, MS4.4/32, Error ellipse: s-maj=3.0km s-min=2.6km az=171.9

IDC 02:07:44.0, 1.3, 6.93S: 131.10E, h52km, mb4.9/37, mb1.4/940, mb1mx4.8/84, mbtmp5.2/40, MS4.3/27, Ms1.4/327, ms1mx4.1/50, Error ellipse: s-maj=11.1km s-min=8.1km az=73.0

DJA 02:07:44.5, 0.2, 7.5: 2.13: 1E, h60km, mb5.3/3m, Ms5.7/68, mb6.0/53, mb5.8/68, MLV6.4/14, Mw(mB)5.6/53, Mw(p5.4/18)

NEIC 02:07:45.2, 0.1, 6.94S: 131.12E, h65km, mb5.4/78, MW5.5, Error ellipse: s-maj=4.9km s-min=3.9km az=57.0, Moment Tensor Solution, s14 Moment tensor: Mscale 1017Nm; Mn: 0.32; Mw: 1.46; Mw: 1.14; Mw: 0.53; Mw: 2.07; Mw: 0.44; Best double couple: M2: 50000 x 1017 NP1: 0.164, 0.0000; 0.84, 0.0000; 0.168, 0.0000; NP2: 0.73, 0.0000; 0.78, 0.0000; 0.168, 0.0000; Principal axes: T 2.2900, Plg4.0000; Azm298.0000; N 0.4600, Plg77.0000; Azm191.0000; P -2.7500, Plg12.0000; Azm29.0000;

NEIC Felt [IV] at Saumlaki. Felt at Coonawarra and Darwin, Australia.

GCMT 02:07:46.2, 0.1, 6.88S: 0.01: 131.17E: 0.01, h83km, mb5.5/111, Moment Tensor Solution, s103:c170; s111:c171; Duration: 194 Moment tensor: Scale 1017 Nm; Mn: 0.31; 0.3; Mw: 1.71; 0.3; Mw: 1.40; 0.3; Mw: 0.44; Best double couple: M2: 23900 x 1017 NP1: 0.337, 0.0000; 0.84, 0.0000; 0.168, 0.0000; NP2: 0.68, 0.0000; 0.79, 0.0000; 0.168, 0.0000; Principal axes: T 2.1240, Plg13.0000; Azm292.0000; N 0.2280, Plg77.0000; Azm128.0000; P -2.3540, Plg4.0000; Azm23.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 02:07:47.2, 0.2, 6.92S: 0.03: 131.22E: 0.03, h47km, n602, c2508/657, mb5.3/142, MS4.4/32, 19C-7D, Tanibar

Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists various stations in the Islands region like SAUI Saumlaki, BNDI Bandanaira, FAKI Fak Fak, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists numerous stations like BKSI Bulukumba, APMI Ampama, SPSI Sidrap, MRSI Marisa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like BBOO Buckleboe, MORW Morawa, EIDS Eidsvold, KASI Kota Agung, etc.

WSAR	comp=Z,18nm,0.8s,baz=164,slow=4,6,SNR=12	LR	LR	08 30 00.1
BIDO	comp=Z,26nm,18.4s,baz=126,slow=16,41	LR	P	07 49 34.0 +0.4
TBI	Bidibid 77.51 296 P	S	P	07 59 19.7 -2.3
TBI	Tubuai 77.51 112 eLR	LR	LR	08 13 09.7
PPT2	Papeete2 77.68 106 eLR	LR	LR	08 13 20.2
PPT	Papeete 77.68 106 LR	LR	LR	08 21 58.1
TIXI	Tiksi 78.43 359 P	P	P	07 49 38.1 +0.2
TIXI	Tiksi 78.43 359 eP	P	P	07 49 37.9 -0.1
TIXI	Tiksi 78.43 359 i/P	P	P	07 49 38.2 +0.2
BVA0	Borovey Array 78.65 327 P	P	P	07 49 39.4 -0.2
BVA0	Borovey Array 78.65 327 P	P	P	07 49 39.6 0.0
BRVK	Borovey Array 78.72 327 P	P	P	07 49 40.1 0.0
BRVK	Borovey Array 78.72 327 P	P	P	07 49 40.0 0.0
MDH	Madha 79.46 297 P	P	P	07 49 40.5 -4.2
UOSS	Mnazif 79.47 297 eP	P	P	07 49 44.3 -0.4
HATD	Hatta, Dubai 79.50 297 P	P	P	07 49 45.0 +0.1
ASHO	Ashtiyah 79.54 297 P	P	P	07 49 45.1 -0.1
ASHO	Ashtiyah 79.54 297 P	P	P	07 49 44.7 -0.5
BANOW	Banah 79.60 298 P	P	P	07 49 45.3 -1.8
BANOW	Banah 79.60 298 P	P	P	07 49 45.8 +0.3
SHME	Shamm 79.77 298 i/P	P	P	07 49 47.2 +0.8
ASUD	Ai Ashush, Dub 80.17 296 P	P	P	07 49 49.3 +0.3
GEYT	Alibeck 81.09 310 P	P	P	07 49 52.9 -0.4
GEYT	Alibeck 81.09 310 P	P	P	08 08 34.5 +3.3
GEYT	Alibeck 81.09 310 P	P	P	08 33 25.0
GYA0B	ALIBECK ARRAY 81.09 310 P	P	P	07 49 53.3 +0.1
ABPO	Ambohpanom 82.12 252 eP	P	P	07 49 60.0 +0.7
ABPO	Ambohpanom 82.12 252 eP	P	P	07 50 00.0 +0.7
OPO	Ambohpanom 82.19 252 eP	P	P	07 50 00.2 +0.5
QSPA	South Pole Qui 83.05 180 eP	P	P	07 50 03.7 +0.6
ABKAR	Akbulak array 83.20 321 eP	P	P	07 50 03.7 -0.3
SYO	Syowa Base 84.17 201 eP	P	P	07 50 05.9 -2.7
SYO	Syowa Base 84.17 201 eP	P	P	07 50 11.0 +1.3
AKTO	Aktyubinsk 84.75 322 P	P	P	07 50 11.8 -0.1
AKTO	Aktyubinsk 84.75 322 P	P	P	08 00 27.9 -8.3
AKTO	Aktyubinsk 84.75 322 P	P	P	08 31 15.8
SVE	Sverdlovsk 85.33 329 eP	P	P	07 50 14.4 -0.2
ARU	Arti 86.28 328 eP	P	P	07 50 18.6 -0.7
ARU	Arti 86.28 328 i/P	P	P	07 50 18.5 -0.8
ARU	Arti 86.28 328 i/P	P	P	07 50 30.8 -2.4
ARU	Arti 86.28 328 i/P	P	P	08 00 40.7 -1.0
TAOE	Nuku Hiva Isla 87.61 99 eLR	S	LR	08 01 02.5 -3.2
TAOE	Nuku Hiva Isla 87.61 99 eLR	S	LR	08 18 03.8
KDAK	Kodiak Island 88.52 31 P	P	P	07 50 31.5 +1.4
RAYN	Ar Rayn 88.82 294 eP	P	P	07 50 32.2 -0.2
RAYN	Ar Rayn 88.82 294 i/P	P	P	07 50 32.4 +0.1
RAYN	Ar Rayn 88.82 294 eP	P	P	07 50 32.2 -0.2
ATD	Arta Tunnel 89.78 282 LR	LR	LR	08 30 23.7
COLD	Coldfoot 91.94 22 eP	P	P	07 50 46.5 +0.7
WRH	Wood River Hill 92.20 25 eP	P	P	07 50 46.2 -0.9
DHY	Denali Highway 92.24 27 eP	P	P	07 50 47.6 +0.1
CCB	Clear Creek Bu 92.35 25 eP	P	P	07 50 47.3 -0.5
TOLK	Toolik Lake Re 92.48 21 P	P	P	07 50 49.1 +0.7
IL1	Eielson Array 92.76 25 eP	P	P	07 50 48.5 -1.2
ILAR	Eielson Array 92.76 25 eP	P	P	07 50 48.7 -1.0
ILAR	Eielson Array 92.76 25 eP	P	P	07 54 28.4 -3.8
ILAR	Eielson Array 92.76 25 eP	P	P	08 08 00.8 -1.0
ILB	Eielson Array 92.76 25 eP	P	P	07 50 48.8 -0.9
ILB	Eielson Array 92.76 25 eP	P	P	07 50 53.0 -0.6
KIV	Kislovodsk 93.70 314 eP	P	P	07 50 54.4 -0.2
KIV	Kislovodsk 93.70 314 eP	P	P	07 54 41.1
PRGR	Permogore 93.94 331 eP	P	P	07 50 53.8 -1.4
EGAK	Eagle 95.20 25 eP	P	P	07 51 02.6 +1.8
DAWY	Dawson 95.91 26 eP	P	P	07 51 08.1 +3.9
SNAA	Sanae 96.02 193 P	P	P	07 51 06.3 +1.6
SNAA	Sanae 96.02 193 P	P	P	07 51 05.9 +1.2
SNAA	Sanae 96.02 193 P	P	P	08 32 26.4
SNAA	Sanae 96.02 193 eP	P	P	07 51 05.6 +1.0
SNAA	Sanae 96.02 193 eP	P	P	07 51 05.0 +0.3
KLMR	Klimovskoe 96.83 330 eP	P	P	07 51 04.0 -4.3
KLMR	Klimovskoe 96.83 330 eP	P	P	07 51 08.9 -4.3
ANN	Anapa 97.51 314 eP	P	P	07 51 01.5 -1.0
ANN	Anapa 97.51 314 eP	P	P	07 55 07.1
VNA3	Neumayer Olymp 97.81 192 P	P	P	07 51 19.4 +6.6
OBN	Obninsk 98.29 325 eP	P	P	07 51 13.4 -1.7
OBN	Obninsk 98.29 325 eP	P	P	07 51 26.7 -2.4
MMAI	Mount Meron Ar 98.60 302 LR	LR	LR	08 42 59.7
APA	Apafity 99.34 337 i/P	P	P	07 51 17.1 -2.4
APA	Apafity 99.34 337 i/P	P	P	07 51 17.1 -2.4
BRTR	Keskin Array B 100.21 309 P	P	P	07 51 24.0 -0.2
BRTR	Keskin Array B 100.21 309 P	P	P	07 51 24.0 -0.2
BOSA	Boshof 100.54 239 P	P	P	07 51 25.3 -0.7
SPITS	Spitsbergen Ar 101.72 349 P	P	P	07 51 30.1 +0.1

ARCES	ARCCESS Array B 101.93 340 P	P	P	07 51 30.8 -0.2
FINES	FINES Array B 102.38 322 P	P	P	07 51 36.7 -0.4
YKA	Yellowknife Ar 107.15 26 PKKP	PKKP	PKKP	07 56 03.0 -0.3
CRVS	Cervencia-Dubn 108.14 319 eP	P	P	07 51 59.7 +0.6
CRVS	Cervencia-Dubn 108.14 319 eP	P	P	07 51 59.7 +0.6
NOA	NORSAR Subarrat10.26 333 P	P	P	07 52 07.8 -0.5
NOA	NORSAR Array B 110.26 333 P	P	P	07 52 07.5 -0.8
NOA	NORSAR Array B 110.26 333 P	P	P	07 56 36.8 -7.2
NVAR	Minna Array Ba 110.30 52 P	P	P	07 52 21.2 +1.2
NVAR	Minna Array Ba 110.30 52 P	P	P	07 56 12.1 +1.8
NVAR	Minna Array Ba 110.30 52 P	P	P	07 56 39.0 -6.3
NVAR	Minna Array Ba 110.30 52 P	P	P	08 07 09.1 -3.1
HLID	Halley 112.33 46 P	P	P	07 56 15.6 +1.7
CLL	Collm 112.82 323 ePKKP	PKKP	PKKP	07 56 16.0 +1.7
CLL	Collm 112.82 323 ePKKP	PKKP	PKKP	08 06 40.0 +1.0
CLL	Collm 112.82 323 ePKKP	PKKP	PKKP	08 12 40.0 +0.2
CLL	Collm 112.82 323 ePKKP	PKKP	PKKP	08 16 42.0 +0.2
CLL	Collm 112.82 323 ePKKP	PKKP	PKKP	08 16 42.0 +0.2
GERES	GERESS Array B 113.14 320 PKKP	PKKP	PKKP	07 56 16.0 +1.7
EGMT	Eagleton 114.34 40 ePKP	PKP	PKP	07 56 18.5 +1.0
EGMT	Eagleton 114.34 40 ePKP	PKP	PKP	07 56 18.5 +1.0
EMUT	Trail Mountain 115.60 50 ePKP	PKP	PKP	07 56 20.8 +0.3
BDW6	Boulder Array 115.97 46 P	P	P	07 56 21.9 +0.9
PDAR	Pinedale Array 115.97 46 PKP	PKP	PKP	07 56 22.1 +1.0
PDAR	Pinedale Array 115.97 46 PKP	PKP	PKP	08 06 51.4 -1.8
PDAR	Pinedale Array 115.97 46 PKP	PKP	PKP	07 56 21.4 +0.4
PDAR	Pinedale Array 115.97 46 PKP	PKP	PKP	08 06 51.4 -1.8
DAVOX	Davos/Dischmat 116.22 319 PKP	PKP	PKP	07 56 20.9 -0.4
WUAZ	Wupatki 116.24 54 ePKP	PKP	PKP	07 56 21.7 +0.1
WUAZ	Wupatki 116.24 54 ePKP	PKP	PKP	07 56 22.9 +1.2
LAO	LASA Array 117.04 41 ePKP	PKP	PKP	07 56 24.0 +1.3
LAO	LASA Array 117.04 41 ePKP	PKP	PKP	07 56 24.4 +1.7
O20A	White River Ci 117.62 48 ePKP	PKP	PKP	07 56 25.7 +1.4
O20A	White River Ci 117.62 48 ePKP	PKP	PKP	07 56 26.0 +1.7
PV12	Saucer Basin, 117.66 50 ePKP	PKP	PKP	07 56 26.0 +1.6
PV13	Radium Mtn., P 117.68 50 ePKP	PKP	PKP	07 56 25.9 +1.5
PV13	Radium Mtn., P 117.68 50 ePKP	PKP	PKP	07 56 25.9 +1.5
PV02	Paradox Valley 117.73 50 ePKP	PKP	PKP	07 56 26.0 +1.5
PV01	Paradox Valley 117.88 50 ePKP	PKP	PKP	07 56 24.9 +0.1
MVCO	Mesa Verde 118.15 51 P	P	P	07 56 26.9 +1.6
S22A	4UR Ranch, Cre 119.31 50 ePKP	PKP	PKP	07 56 29.4 +1.8
S22A	4UR Ranch, Cre 119.31 50 ePKP	PKP	PKP	07 56 30.2 +2.5
RSSD	Black Hills 119.38 43 ePKP	PKP	PKP	07 56 27.6 +0.2
RSSD	Black Hills 119.38 43 ePKP	PKP	PKP	07 56 27.7 +0.2
RSSD	Black Hills 119.38 43 ePKP	PKP	PKP	07 56 27.6 +0.2
121A	Cookes Peak, D 119.73 56 P	P	P	07 56 29.4 +0.9
TASM	ASL Pad, Albuq 120.29 54 P	P	P	07 56 31.6 +2.1
ANMO	Albuquerque 120.29 54 PKP	PKP	PKP	07 56 30.9 +1.4
ANMO	Albuquerque 120.29 54 PKP	PKP	PKP	07 56 30.8 +1.0
ANMO	Albuquerque 120.29 54 PKP	PKP	PKP	07 56 31.2 +1.7
TASL	Snake Pit, Alb 120.29 54 P	P	P	07 56 31.2 +1.7
SDCO	Great Sand Dun 120.32 50 ePKP	PKP	PKP	07 56 31.0 +1.4
SDCO	Great Sand Dun 120.32 50 ePKP	PKP	PKP	07 56 31.1 +1.5
T25A	Trinidad 121.33 51 P	P	P	07 56 30.3 +1.6
FRB	Frisher Bay 121.52 10 PKP	PKP	PKP	07 56 30.1 -0.6
ULM	Lac du Bonnet 121.72 34 PKP	PKP	PKP	07 56 31.5 0.0
ULM	Lac du Bonnet 121.72 34 PKP	PKP	PKP	08 06 29.5 -1.6
MNTX	Cornudas Mount 121.90 57 ePKP	PKP	PKP	07 56 34.2 +1.8
MNTX	Cornudas Mount 121.90 57 ePKP	PKP	PKP	07 56 33.9 +1.5
MSTX	Muleshoe 123.48 54 P	P	P	07 56 37.0 +1.5
TX31	Lajitas Ar. Si 123.85 59 ePKP	PKP	PKP	07 56 37.8 +1.4
TXAR	Lajitas Array 123.85 59 PKP	PKP	PKP	07 56 37.7 +1.3
TXAR	Lajitas Array 123.85 59 PKP	PKP	PKP	08 06 23.7 +0.3
B35A	Bob, Littlefor 123.91 35 P	P	P	07 56 36.1 +0.4
AMTX	Amarillo 124.09 52 P	P	P	07 56 38.4 +1.7
ECSD	EROS Data Cent 124.44 41 ePKP	PKP	PKP	07 56 36.8 -0.1
ECSD	EROS Data Cent 124.44 41 ePKP	PKP	PKP	07 56 37.7 +0.7
C36A	Pine Crest Far 124.74 35 P	P	P	07 56 37.9 +0.5
H35A	Sunnyside Ranc 125.12 39 P	P	P	07 56 39.2 +0.9
D37A	Cotton 125.30 35 P	P	P	07 56 39.1 +0.7
H36A	Jessenland, He 125.75 39 P	P	P	07 56 41.7 +2.3
F37A	Hinrichs Farm, 125.95 37 P	P	P	07 56 41.0 +1.3
I36A	Fitzsimons Fa 125.97 39 P	P	P	07 56 41.1 +1.3
J36A	Seneca 1, Swea 126.10 40 P	P	P	07 56 41.1 +1.0
F38A	Pies - Schro 126.27 36 P	P	P	07 56 41.4 +1.1
K36A	Gilmore City 126.35 41 P	P	P	07 56 41.4 +0.8
I37A	Lemond, Waseca 126.36 39 P	P	P	07 56 42.1 +1.5
KSU1	Kansas State U 126.43 46 P	P	P	07 56 43.2 +2.3
J37A	Redenius Farm, 126.61 40 P	P	P	07 56 42.1 +0.9
G38A	Ridgeland 126.70 37 P	P	P	07 56 41.8 +0.6
E39A	Mellen 126.80 35 P	P	P	07 56 41.9 +0.6
JCT	Junction City 126.84 57 ePKP	PKP	PKP	07 56 43.2 +1.2
JCT	Junction City 126.84 57 ePKP	PKP	PKP	07 56 43.2 +1.2
JCT	Junction City 126.84 57 P	P	P	07 56 43.8 +1.8
F39A	Loretta 126.85 36 P	P	P	07 56 42.3 +0.8
I38A	Scanlan Farm, 127.01 38 P	P	P	07 56 42.6 +0.7
G39A	Holcombe 127.05 37 P	P	P	07 56 42.7 +0.9
E40A	Wakefield 127.14 35 P	P	P	07 56 43.3 +1.3
F40A	Park Falls 127.31 35 P	P	P	07 56 43.4 +1.1
H39A	Augusta 127.31 37 P	P	P	07 56 43.2 +0.8
E41A	Kenton 127.65 34 P	P	P	07 56 44.0 +0.9
J39A	Decorah 127.76 39 P	P	P	07 56 43.5 +0.2
P37A	Lathrop 127.81 44 P	P	P	07 56 45.0 +1.4
H40A	Chillicothe 127.87 37 P	P	P	07 56 44.2 +0.7
ESDC	Seneca Array 128.29 316 PP	PP	PP	07 56 50.1 +1.3
H41A	Junction City 128.31 37 P	P	P	07 56 45.0 +0.7
P38A	Dawn 128.36 44 ePKP	PKP	PKP	07 56 44.9 +0.3
P38A	Dawn 128.36 44 ePKP	PKP	PKP	07 56 45.9 +1.3

K40A	Colesburg 128.44 39 P
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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NNA, OTAV, LPAZ, etc.

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

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

Tiga	Trifon	40.66 348	P	P	09 45 56.9	0.0
646A	Port Sulphur	40.67 339	P	P	09 45 57.9	+0.8
353A	Camille	40.70 347	P	P	09 45 57.0	-0.3
257A	Skidaway Islan	40.72 351	eP	P	09 45 58.0	+0.6
257A	Skidaway Islan	40.72 351	eP	P	09 45 57.5	+0.1
450A	Crestview	40.78 344	P	P	09 45 57.7	-0.3
645A	Chauvin	40.84 338	P	P	09 45 58.8	+0.3
256A	Glennville	40.86 350	P	P	09 45 58.7	+0.1
255A	Hazlehurst	40.91 349	eP	P	09 45 59.1	+0.1
255A	Hazlehurst	40.91 349	eP	P	09 45 59.2	+0.2
449A	Pace	40.92 343	P	P	09 45 59.2	+0.1
351A	Pinckard	40.97 345	P	P	09 45 59.4	-0.1
352A	Blakely	41.00 346	eP	P	09 45 59.4	-0.3
352A	Blakely	41.00 346	eP	P	09 45 59.2	-0.5
254A	Abbeville	41.09 348	P	P	09 46 00.3	-0.2
546A	Slidell	41.23 340	P	P	09 46 02.3	+0.6
LNIG	Linares	41.26 324	eP	P	09 46 02.1	+0.1
BRAL	Brewton	41.26 343	eP	P	09 46 02.0	+0.2
BRAL	Brewton	41.26 343	eP	P	09 46 36.0	+1.3
448A	Bay Minette	41.27 342	P	P	09 46 01.8	-0.2
350A	Dozier	41.30 344	P	P	09 46 01.7	-0.5
545A	Edgard	41.33 338	P	P	09 46 03.5	+1.1
253A	Americus	41.37 347	eP	P	09 46 02.4	-0.4
253A	Americus	41.37 347	eP	P	09 46 36.2	+0.6
253A	Americus	41.37 347	eP	P	09 46 02.0	-0.8
447A	Lucedale	41.39 341	eP	P	09 46 02.9	-0.1
447A	Lucedale	41.39 341	eP	P	09 46 02.4	-0.6
252A	Lumpkin	41.45 347	P	P	09 46 03.1	-0.3
156A	Sylvania	41.45 351	P	P	09 46 03.6	+0.1
349A	Repton	41.47 343	P	P	09 46 03.4	-0.1
RGRS	Roger Stewart	41.52 352	eP	P	09 46 04.5	+0.6
CSU	Charleston Sou	41.58 353	eP	P	09 46 04.7	+0.2
155A	Kite	41.59 350	eP	P	09 46 04.4	-0.1
ZAIG	Zacatecas	41.60 319	eP	P	09 46 05.4	+0.3
BBSR	BB Station	41.61 12	eP	P	09 46 04.7	0.0
446A	Poplarville	41.62 340	P	P	09 46 04.8	0.0
544A	White Castle	41.64 338	P	P	09 46 05.8	+0.8
154A	Montrose	41.70 349	eP	P	09 46 05.2	-0.2
154A	Montrose	41.70 349	eP	P	09 46 05.2	-0.2
251A	Midway	41.70 346	P	P	09 46 04.6	-0.8
NHSC	New Hope	41.71 353	eP	P	09 46 06.2	+0.8
NHSC	New Hope	41.71 353	eP	P	09 46 06.1	+0.7
348A	Jackson	41.73 342	eP	P	09 46 05.8	0.0
348A	Jackson	41.73 342	eP	P	09 46 05.4	-0.3
250A	Grady	41.81 345	eP	P	09 46 06.0	-0.3
250A	Grady	41.81 345	eP	P	09 46 05.6	-0.7
153A	Fort Valley	41.88 348	P	P	09 46 06.5	-0.4
543A	St. Martinville	41.88 337	P	P	09 46 08.0	+1.1
445A	Amite	41.90 339	P	P	09 46 07.4	+0.4
347A	Saraland	41.92 342	P	P	09 46 06.8	-0.4
444A	Pine Grove	42.03 339	P	P	09 46 08.6	+0.4
249A	Camden	42.03 344	P	P	09 46 07.6	-0.5
152A	Waverly Hall	42.09 347	eP	P	09 46 07.7	-0.9
152A	Waverly Hall	42.09 347	eP	P	09 46 07.9	-0.7
151A	Opelika	42.09 346	P	P	09 46 07.5	-1.1
255A	Blythe	42.11 350	P	P	09 46 08.7	-0.1
542A	Morse	42.19 336	P	P	09 46 10.1	+0.7
346A	Big Creek Wild	42.20 341	eP	P	09 46 09.4	-0.2
346A	Big Creek Wild	42.20 341	eP	P	09 46 09.1	-0.5
254A	Sparta	42.25 349	P	P	09 46 09.3	-0.6
345A	Thompson Farm	42.32 340	P	P	09 46 10.4	-0.1
248A	Dixon Mills	42.32 343	P	P	09 46 10.2	-0.3
150A	Eclectic	42.34 345	P	P	09 46 09.9	-0.7
541A	Lake Charles	42.39 335	P	P	09 46 12.2	+1.1
253A	Monticello	42.44 348	P	P	09 46 11.0	-0.4
443A	Delano Plantat	42.46 337	P	P	09 46 11.7	+0.1
KVTX	Kingsville	42.47 328	eP	P	09 46 12.6	+0.8
252A	Williamson	42.52 347	P	P	09 46 11.7	-0.5
149A	Jones	42.53 344	P	P	09 46 11.2	-1.0
GOGA	Godfrey	42.54 349	eP	P	09 46 12.2	-0.1
GOGA	Godfrey	42.54 349	eP	P	09 46 12.2	-0.1
GOGA	Godfrey	42.54 349	eP	P	09 46 11.9	-0.3
247A	Quitman	42.55 342	P	P	09 46 11.8	-0.5
442A	Mamou	42.66 337	P	P	09 46 14.1	+0.9
246A	Jackson Lee, B	42.67 341	P	P	09 46 12.2	-1.1
344A	Westbrook Farm	42.70 339	eP	P	09 46 13.4	-0.1
344A	Westbrook Farm	42.70 339	eP	P	09 46 13.5	-0.1
148A	Greensboro	42.79 343	P	P	09 46 13.3	-1.0
251A	Franklin	42.81 347	P	P	09 46 13.7	-0.8
Y54A	Tignall	42.84 350	P	P	09 46 14.2	-0.4
343A	Vidalia	42.86 338	P	P	09 46 14.7	-0.7
250A	Ashland	42.93 346	eP	P	09 46 14.5	-1.0
250A	Ashland	42.93 346	eP	P	09 46 14.7	-0.7
245A	Little AP, Sta	42.94 340	P	P	09 46 14.9	-0.6
Y53A	Monroe	42.99 349	P	P	09 46 15.3	-0.6

441A	DeRidder	43.00 336	P	P	09 46 16.6	+0.7
LRAL	Lakeview Retre	43.00 344	eP	P	09 46 14.8	-1.1
LRAL	Lakeview Retre	43.00 344	eP	P	09 46 14.9	-1.0
JSC	Jenkinsville	43.02 352	eP	P	09 46 16.0	0.0
JSC	Jenkinsville	43.02 352	eP	P	09 46 16.0	0.0
147A	Livingston	43.02 343	eP	P	09 46 15.3	-0.8
147A	Livingston	43.02 343	eP	P	09 46 15.3	-0.8
Z49A	Columbiana	43.03 345	eP	P	09 46 15.2	-0.9
Y52A	Liburn	43.10 348	eP	P	09 46 16.4	-0.4
Y52A	Liburn	43.10 348	eP	P	09 46 16.1	-0.6
HODGE	Hodges	43.12 350	eP	P	09 46 16.6	-0.3
342A	Flagon Creek P	43.21 337	eP	P	09 46 18.0	+0.3
342A	Flagon Creek P	43.21 337	eP	P	09 46 17.8	+0.1
244A	Avery, Jackson	43.21 339	P	P	09 46 16.9	-0.7
146A	Union	43.23 342	eP	P	09 46 17.2	-0.6
146A	Union	43.23 342	eP	P	09 46 17.1	-0.6
VBMS	Vicksburg	43.32 340	P	P	09 46 17.8	-0.7
Y51A	Rockport	43.35 347	P	P	09 46 17.7	-1.0
243A	Waterproof	43.35 338	P	P	09 46 18.1	-0.6
HKT	Hockley	43.45 332	eP	P	09 46 20.5	+1.0
HKT	Hockley	43.45 332	eP	P	09 46 20.5	+1.0
Z47A	Carrollton	43.45 343	P	P	09 46 18.4	-1.2
145A	Houston Renfro	43.47 341	P	P	09 46 19.0	-0.7
Z48A	Notport	43.48 344	P	P	09 46 18.7	-1.0
Y50A	Piedmont	43.49 346	P	P	09 46 19.0	-0.9
341A	Kurthwood	43.50 336	eP	P	09 46 20.0	-0.1
341A	Kurthwood	43.50 336	eP	P	09 46 19.9	-0.1
X53A	Estanollee	43.57 349	eP	P	09 46 20.1	-0.4
PAULI	Pauline	43.63 351	eP	P	09 46 21.2	+0.3
Y49A	Blount Mountai	43.63 345	eP	P	09 46 19.6	-1.4
Y49A	Blount Mountai	43.63 345	eP	P	09 46 19.9	-1.1
144A	Alexander Plac	43.66 340	P	P	09 46 20.6	-0.6
Z46A	Louville	43.71 342	P	P	09 46 21.0	-0.6
242A	Grayson	43.76 338	P	P	09 46 21.8	-0.3
X52A	Dahlonga	43.78 349	P	P	09 46 21.5	-0.7
KM5C	Kings Mountain	43.87 352	eP	P	09 46 22.7	-0.2
KM5C	Kings Mountain	43.87 352	eP	P	09 46 22.6	-0.2
Y48A	Jasper	43.88 344	P	P	09 46 21.2	-1.8
833A	Chaparral WMA,	43.89 327	eP	P	09 46 23.4	+0.3
833A	Chaparral WMA,	43.89 327	eP	P	09 46 23.9	+0.8
X51A	Calhoun	43.94 347	eP	P	09 46 22.5	-1.0
X51A	Calhoun	43.94 347	eP	P	09 46 22.7	-0.8
BG3	Lake Jocassee	43.98 350	eP	P	09 46 23.9	+0.1
241A	Mo Tay, Goldon	44.02 337	eP	P	09 46 24.3	+0.2
241A	Mo Tay, Goldon	44.02 337	eP	P	09 46 24.0	-0.1
X50B	Fort Payne	44.02 346	P	P	09 46 23.0	-1.1
Y47A	UCPARC, Winfie	44.05 344	P	P	09 46 23.3	-1.1
143A	Socs Landing,	44.07 339	eP	P	09 46 23.6	-0.8
143A	Socs Landing,	44.07 339	eP	P	09 46 23.5	-1.0
Z45A	Winona	44.10 341	eP	P	09 46 24.4	-0.4
Z45A	Winona	44.10 341	eP	P	09 46 24.0	-0.8
142A	Monroe	44.12 338	P	P	09 46 24.2	-0.7
W53A	Cullowhee	44.19 350	P	P	09 46 25.3	-0.3
X49A	Woodville	44.23 346	P	P	09 46 24.7	-1.1
Z44A	Pea Ridge, Bel	44.26 340	P	P	09 46 25.1	-0.8
W52A	Murphy	44.26 349	eP	P	09 46 25.3	-0.7
W52A	Murphy	44.26 349	eP	P	09 46 25.7	-0.4
Y46A	Houston	44.32 343	P	P	09 46 25.3	-1.2
X48A	Hartselle	44.35 345	eP	P	09 46 25.2	-1.5
X48A	Hartselle	44.35 345	eP	P	09 46 25.4	-1.3
240A	Hunter Patters	44.36 336	eP	P	09 46 26.8	-0.1
240A	Hunter Patters	44.36 336	eP	P	09 47 02.4	+2.2
240A	Hunter Patters	44.36 336	eP	P	09 47 27.1	+0.3
Z43A	Armstrong Fami	44.47 340	P	P	09 46 26.4	-1.3
NATX	Nacogdoches	44.49 335	eP	P	09 46 28.6	+0.7
NATX	Nacogdoches	44.49 335	eP	P	09 46 28.2	+0.3
W51A	Cleveland	44.50 348	P	P	09 46 27.2	-0.7
Y45A	Year Year C	44.51 342	P	P	09 46 27.5	-0.5
141A	Papa Simpson,	44.53 337	P	P	09 46 27.8	-0.4
NCAT	North Carolina	44.60 354	eP	P	09 46 27.9	-0.7
V53A	Saluda	44.62 350	eP	P	09 46 28.2	-0.7
V53A	Saluda	44.62 350	eP	P	09 46 28.4	-0.5
X47A	Russelville	44.63 344	P	P	09 46 26.8	-2.1
GO10	Punta Arenas	44.65 177	eP	P	09 46 29.2	+0.3
W50A	Signal Mountai	44.65 347	eP	P	09 46 28.1	-1.0
W50A	Signal Mountai	44.65 347	eP	P	09 46 28.2	-1.0
CPCT	Cooper Cave	44.73 348	eP	P	09 46 29.0	-0.7
Z42A	Norrel Spur, H	44.77 339	P	P	09 46 29.2	-0.9
TKL	Tuckaleechee C	44.78 349	eP	P	09 46 28.9	-1.2
TKL	Tuckaleechee C	44.78 349	eP	P	09 47 02.5	-0.9
TKL	Tuckaleechee C	44.78 349	eP	P	09 46 29.5	-0.6
TKL	Tuckaleechee C	44.78 349	eP	P	09 47 02.5	-0.9
W49A	Belvidere	44.80 346	P	P	09 46 29.1	-1.2
SWET	Sewanee	44.81 346	eP	P	09 46 29.2	-1.2

Y44A	Strider, Charl	44.81 341	P	P	09 46 28.8	-1.6
140A	Cam and Jess,	44.82 337	eP	P	09 46 29.7	-0.7
140A	Cam and Jess,	44.82 337	eP	P	09 46 30.6	+0.2
X46A	Booneville	44.87 343	P	P	09 46 29.3	-1.6
V52A	Sevierville	44.93 349	eP	P	09 46 30.2	-1.1
V52A	Sevierville	44.93 349	eP	P	09 46 30.7	-0.6
435B	Jarrell	44.97 331	eP	P	09 46 32.4	+0.7
435B	Jarrell	44.97 331	eP	P	09 46 32.0	+0.3

MIAR	comp=Z,83nm,0.8s	46.51 338 P	P	09 46 43.0 -0.7
HPIG	comp=Z,85nm,0.7s	46.52 320 eP	P	09 46 44.3 +0.1
T49A	Edmonton	46.53 348 eP	P	09 46 42.3 -1.6
T49A	Edmonton	46.53 348 P	P	09 46 42.5 -1.4
W41B	Gary Mavity, V	46.60 340 eP	P	09 46 43.0 -1.4
W41B	Gary Mavity, V	46.60 340 P	P	09 46 43.2 -1.2
V43A	Jonesboro	46.60 342 P	P	09 46 43.1 -1.3
GNAR	Gosnell	46.60 342 eP	P	09 46 43.6 -0.8
UTMT	University of	46.62 344 eP	P	09 46 44.1 -0.5
UTMT	University of	46.62 344 eP	P	09 47 18.1 0.0
S52A	Salysersville	46.62 350 P	P	09 46 43.6 -1.0
GLAT	Glass	46.67 343 eP	P	09 46 44.2 -0.7
GLAT	Glass	46.67 343 eP	P	09 47 18.7 +0.2
S51A	Beattyville	46.67 350 eP	P	09 46 44.0 -0.9
S51A	Beattyville	46.67 350 P	P	09 46 44.1 -0.8
X39A	Fountain Ranch	46.68 337 P	P	09 46 44.8 -0.3
WHAR	Woolly Hollow	46.72 340 eP	P	09 46 43.9 -1.4
T48A	Bowling Green	46.73 347 P	P	09 46 44.0 -1.3
U44B	Burton Farm, H	46.76 343 P	P	09 46 43.7 -1.9
T47A	Sharon Grove	46.78 346 eP	P	09 46 44.0 -1.7
T47A	Sharon Grove	46.78 346 P	P	09 46 44.2 -1.6
S50A	Richmond	46.86 349 P	P	09 46 45.1 -1.3
V42A	Cord	46.89 341 P	P	09 46 44.8 -1.8
W40A	Ferguson Farm,	46.90 339 eP	P	09 46 46.1 -0.7
W40A	Ferguson Farm,	46.90 339 P	P	09 46 46.0 -0.7
U44A	Portageville	47.01 343 P	P	09 46 46.0 -1.6
T46A	Princeton	47.02 345 P	P	09 46 45.6 -2.1
LTX	Lajitas	47.05 324 eP	P	09 46 48.0 -0.1
LTX	Lajitas	47.05 324 eP	P	09 46 48.0 -0.1
TXAR	Lajitas Array	47.05 324 P	P	09 46 48.0 -0.1
TXAR	comp=Z,85nm,0.7s,baz=148,slow=8.1,SNR=646		P	09 47 22.2 +0.5
TXAR	comp=Z,39nm,0.8s,baz=142,slow=8.6,SNR=4.6		P	09 48 18.1 +0.3
TXAR	comp=Z,14nm,0.6s,baz=138,slow=6.8,SNR=4.6		P	09 51 57.6 -0.3
TXAR	comp=Z,3.4nm,0.8s,baz=148,slow=5.3,SNR=4.2		P	10 14 59.6
TXAR	comp=Z,1.7nm,1.0s,baz=248,slow=3.8,SNR=3.5		P	10 24 28.8
TX31	Lajitas Ar. Si	47.05 324 eP	P	09 46 48.0 -0.1
U43A	Rector	47.10 342 P	P	09 46 46.5 -1.7
V41A	Mountainview	47.12 340 P	P	09 46 46.8 -1.7
S49A	Springfield	47.14 348 P	P	09 46 46.9 -1.6
W39A	Magazine	47.16 338 eP	P	09 46 48.1 -0.6
W39A	Magazine	47.16 338 P	P	09 46 48.4 -0.4
PARMO	Parma	47.17 343 eP	P	09 46 48.1 -0.8
S48A	Wiedeman Farm,	47.18 347 P	P	09 46 46.7 -2.1
R52A	Cattlettsburg	47.20 351 P	P	09 46 48.1 -0.9
T45A	Paduach	47.20 344 eP	P	09 46 47.4 -1.6
T45A	Paduach	47.20 344 P	P	09 46 47.0 -2.1
SLBS	Sierra La Lagu	47.28 313 eP	P	09 46 50.9 +0.9
S47A	Hartford	47.30 346 P	P	09 46 48.1 -1.7
R51A	Hillsboro	47.32 350 P	P	09 46 48.9 -1.0
U42A	Reviden	47.34 341 P	P	09 46 48.3 -1.8
V40A	Witts Springs	47.37 339 eP	P	09 46 49.1 -1.3
V40A	Witts Springs	47.37 339 P	P	09 46 49.1 -1.3
R50A	Paris	47.43 349 P	P	09 46 49.7 -1.1
ABTX	Abilene, Hawle	47.47 331 eP	P	09 46 51.6 +0.3
ABTX	Abilene, Hawle	47.47 331 P	P	09 46 51.5 +0.3
PBMO	Poplar Bluff	47.48 342 eP	P	09 46 49.3 -1.9
T44A	Benton	47.52 343 P	P	09 46 49.7 -1.8
U41A	Viola	47.55 341 P	P	09 46 50.0 -1.8
S46A	Don Dixon Farm	47.59 346 P	P	09 46 50.2 -1.8
R49A	Shelbyville	47.60 348 P	P	09 46 50.8 -1.3
SDMD	Soldier's Deli	47.68 357 eP	P	09 46 52.5 -0.2
V39A	Pettigrew	47.69 339 P	P	09 46 51.7 -1.2
T43A	Greenville	47.72 343 P	P	09 46 51.3 -1.7
WCI	Wyandotte Cave	47.78 347 eP	P	09 46 51.7 -1.8
WCI	Wyandotte Cave	47.78 347 eP	P	09 46 51.7 -1.8
WCI	Wyandotte Cave	47.78 347 P	P	09 46 51.6 -1.8
LPIG	La Paz	47.80 313 P	P	09 46 54.3 +0.5
LPIG	comp=Z,33nm,0.5s,baz=337,slow=2.4,SNR=7.2		P	09 47 29.0 +1.4
S45A	Carrier Mills	47.80 345 P	P	09 46 51.6 -2.0
USIN	University of	47.84 346 eP	P	09 46 52.2 -1.7
R48A	Northridge Ran	47.85 348 P	P	09 46 52.6 -1.5
U40A	Yellville	47.88 340 P	P	09 46 53.0 -1.2
R47A	Wooly Knot Far	47.89 347 P	P	09 46 52.3 -2.0
Q50A	Georgetown	47.91 350 P	P	09 46 53.5 -1.0
T42A	Van Buren	47.92 342 eP	P	09 46 52.3 -2.2
T42A	Van Buren	47.92 342 P	P	09 46 52.5 -2.1
Q51A	Peabbles	47.98 350 P	P	09 46 53.9 -1.2
S44A	Carbondale	48.00 344 P	P	09 46 53.4 -1.8
SIUC	Southern Hill	48.01 344 eP	P	09 46 53.6 -1.6
R46A	Gibson Southern	48.04 346 P	P	09 46 53.4 -2.1
S43A	Fulton Ridge,	48.11 343 P	P	09 46 54.2 -1.9
U39A	Green Forest	48.12 339 P	P	09 46 54.5 -1.6
T41A	Mountain View	48.14 341 P	P	09 46 54.8 -1.5
MCWV	Mont Chateau	48.15 354 eP	P	09 46 56.3 0.0
MCWV	Mont Chateau	48.15 354 P	P	09 46 56.3 0.0
PSUB	Penn St. - Bra	48.15 359 eP	P	09 46 56.2 -0.1

HHAR	Hobbs	48.19 339 eP	P	09 46 55.4 -1.3
Q49A	Aurora	48.24 349 P	P	09 46 55.6 -1.4
MVL	Millersville	48.25 358 eP	P	09 46 57.4 +0.4
R45A	Skyfar, Fairri	48.31 345 P	P	09 46 55.6 -1.9
Q48A	North Vernon	48.33 348 P	P	09 46 56.0 -1.7
R44A	Waltonville	48.47 344 P	P	09 46 57.4 -1.4
T40A	Marietta	48.48 340 P	P	09 46 57.4 -1.6
Q47A	Bedord North L	48.48 347 P	P	09 46 57.2 -1.7
PAGS	Pennsylvania G	48.49 357 eP	P	09 46 59.2 +0.4
S42A	Caledonia	48.51 342 P	P	09 46 57.1 -2.0
TUL1	Leonard	48.56 337 eP	P	09 46 58.8 -0.8
TUL1	Leonard	48.56 337 P	P	09 46 59.1 -0.4
FVM	French Village	48.60 343 eP	P	09 46 59.1 -0.6
P50A	Jamestown	48.63 350 P	P	09 46 58.5 -1.4
S41A	Jilco Farms,	48.63 341 P	P	09 46 58.3 -1.8
O56A	Blue Knob Stat	48.64 356 eP	P	09 47 00.3 +0.2
O56A	Blue Knob Stat	48.64 356 P	P	09 47 00.2 +0.1
T39A	Olema	48.66 340 P	P	09 46 58.8 -1.5
OLIL	Olney	48.68 346 eP	P	09 46 58.6 -1.7
P49A	Miami Univ. Ec	48.72 349 P	P	09 46 58.9 -1.8
R43A	Red Bud	48.73 344 P	P	09 46 59.2 -1.6
BLO	Bloomington	48.73 347 eP	P	09 46 59.1 -1.6
BLO	Bloomington	48.73 347 eP	P	09 46 59.1 -1.6
Q46A	CEJHS Indians,	48.78 346 P	P	09 46 59.3 -1.8
P48A	Milroy	48.78 349 P	P	09 46 59.2 -2.0
LUPA	Lehigh Univer	48.82 359 eP	P	09 47 01.4 0.0
WMOK	Wichita Mounta	48.82 333 eP	P	09 47 00.8 -0.7
WMOK	Wichita Mounta	48.82 333 eP	P	09 47 00.8 -0.7
WMOK	Wichita Mounta	48.82 333 P	P	09 47 01.1 -0.4
Q45A	Warren Harvey,	48.84 346 P	P	09 46 59.8 -1.8
S40A	Lebanon	48.88 341 P	P	09 47 00.3 -1.7
BRNJ	Basking Ridge	48.99 360 eP	P	09 47 02.6 +0.6
CCM	Cathedral Cave	48.91 342 eP	P	09 47 01.2 -0.9
CCM	Cathedral Cave	48.91 342 eP	P	09 47 01.2 -0.9
CCM	Cathedral Cave	48.91 342 P	P	09 47 01.4 -0.8
SSPA	Standing Stone	48.96 356 eP	P	09 47 02.6 +0.1
SSPA	Standing Stone	48.96 356 P	P	09 47 02.7 +0.2
P47A	Marienville	48.98 348 P	P	09 47 00.9 -1.8
R42A	Luebbering	48.98 343 P	P	09 47 00.8 -1.9
T38A	Diamond	48.99 339 P	P	09 47 01.5 -1.3
CPNY	Central Park	49.00 0 eP	P	09 47 02.7 0.0
Q44A	Meyer Farm, Va	49.07 345 P	P	09 47 01.3 -2.1
O50A	Cable	49.12 351 P	P	09 47 02.3 -1.4
N59A	State Game Lan	49.14 358 eP	P	09 47 04.5 +0.5
N59A	State Game Lan	49.14 358 P	P	09 47 04.0 0.0
SLM	Saint Louis	49.15 343 eP	P	09 47 02.8 -1.2
SLM	Saint Louis	49.15 343 eP	P	09 47 02.8 -1.2
R41A	Rosebud	49.17 342 P	P	09 47 02.8 -1.4
P41A	Palisades	49.21 0 eP	P	09 47 04.4 0.0
PAL	Palisades	49.21 0 eP	P	09 47 04.4 0.0
PAL	Palisades	49.21 0 eP	P	09 47 04.1 -0.3
S39A	Bolivar	49.24 340 eP	P	09 47 03.0 -1.7
S39A	Bolivar	49.24 340 P	P	09 47 03.0 -1.7
O49A	Covington	49.28 350 P	P	09 47 03.3 -1.6
Q43A	New Douglas	49.29 344 P	P	09 47 03.4 -1.6
ODNJ	Ogdensburg	49.29 360 eP	P	09 47 04.8 -0.1
P46A	Rosedale	49.31 347 P	P	09 47 03.1 -2.1
P45A	Graceland, Par	49.35 346 eP	P	09 47 03.8 -1.7
P45A	Graceland, Par	49.35 346 P	P	09 47 03.7 -1.7
S38A	Stockton	49.39 339 P	P	09 47 04.3 -1.5
R40A	Maddies Statio	49.44 341 eP	P	09 47 04.4 -1.8
R40A	Maddies Statio	49.44 341 P	P	09 47 04.2 -2.0
N54A	Moraine State	49.45 354 eP	P	09 47 06.1 -0.1
Q42A	Golden Eagle	49.45 343 P	P	09 47 05.3 -1.2
O48A	Farmiland	49.50 349 P	P	09 47 04.8 -1.8
P44A	Sand Creek, Wi	49.50 345 P	P	09 47 04.8 -1.8
YLE	Yale	49.54 1 eP	P	09 47 06.8 0.0
GD12	Guadalupe Moun	49.59 326 eP	P	09 47 07.9 +0.3
N50A	Nevada	49.66 351 P	P	09 47 06.2 -1.6
O47A	Sheridan	49.68 348 P	P	09 47 06.0 -1.9
R39A	Chumby, Stover	49.71 341 P	P	09 47 06.5 -1.8
Q41A	Truxton	49.73 343 P	P	09 47 06.9 -1.5
KSFA	Keystone Colle	49.78 359 eP	P	09 47 09.1 +0.3
MNTX	Cornudas Mount	49.79 325 eP	P	09 47 08.2 -0.8
MNTX	Cornudas Mount	49.79 325 P	P	09 47 08.2 -0.8
M65A	Busby, Falmout	49.88 4 P	P	09 47 08.7 -0.7
R38A	Ferret Farm,	49.88 340 P	P	09 47 07.9 -1.6
P43A	Skaggs, Pawnee	49.90 345 P	P	09 47 08.2 -1.4
M54A	Oil Creek Stat	49.96 355 eP	P	09 47 09.9 -0.2
M54A	Oil Creek Stat	49.96 355 P	P	09 47 09.9 -0.2
SFIN	Lafayette	50.01 347 eP	P	09 47 08.3 -2.2

SFIN	Lafayette	50.01 347 P	P	09 47 08.3 -2.2
Q40A	Laux Farm, Aux	50.02 342 P	P	09 47 08.9 -1.7
O45A	Potomac	50.03 347 P	P	09 47 08.5 -2.1
P42A	Winchester	50.07 344 eP	P	09 47 09.0 -1.8
P42A	Winches	50.07 344 P	P	09 47 09.1 -1.8
MSTX	Muleshoe	50.11 329 eP	P	09 47 10.7 -0.8
MSTX	Muleshoe	50.11 329 P	P	09 47 11.1 -0.4
O44A	Mansfield	50.11 346 P	P	09 47 09.2 -2.0
ALLY	Alegheny Colle	50.15 354 eP	P	09 47 10.9 -0.6
ALLY	Alegheny Colle	50.15 354 eP	P	09 47 46.1 +0.5
BRWY	Bryant College	50.19 3 eP	P	09 47 11.8 +0.1
M50A	Fremont	50.26 351 P	P	09 47 11.1 -1.2
AMTX	Amarillo	50.29 331 eP	P	09 47 12.2 -0.6
AMTX	Amarillo	50.29 331 P	P	09 47 12.2 -0.6
P41A	Barry, Barry	50.35 343 P	P	09 47 11.2 -1.8
Q39A	Willow Grove F	50.35 341 P	P	09 47 11.6 -1.5
N46A	Monticello	50.43 348 P	P	09 47 11.5 -2.1
BINY	Binghamton	50.43 358 eP	P	09 47 13.9 +0.3
BINY	Binghamton	50.43 358 P	P	09 47 13.9 +0.3
O43A	Sugar Creek Fa	50.45 345 P	P	09 47 11.7 -2.0
M49A	Liberty Center	50.48 351 P	P	09 47 12.5 -1.5
Q38A	Cooks Store, C	50.49 340 P	P	09 47 12.8 -1.2
P40A	Paris	50.51 342 eP	P	09 47 12.3 -1.9
P40A	Paris	50.51 342 P	P	09 47 12.4 -1.8
QUA2	Belchertown	50.52 2 eP	P	09 47 13.9 -0.3
N45A	Kentland	50.55 347 P	P	09 47 12.0 -2.5
O42A	Bath	50.56 344 P	P	09 47 12.9 -1.7
ERPA	Erie	50.60 354 eP	P	09 47 14.7 -0.2
ERPA	Erie	50.60 354 P	P	09 47 13.9 -0.9
M48A	Edgerton	50.61 350 P	P	09 47 13.2 -1.7
BCX	Boston College	50.62 3 eP	P	09 47 15.1 +0.1
N44A	Piper City	50.64 346 P	P	09 47 13.4 -1.8
WES	Weston	50.66 3 eP	P	09 47 15.2 -0.1
WES	Weston	50.66 3 eP	P	09 47 15.2 -0.1
Q37A	Salisbury	50.69 342		

L42A	Oliver, Polo	baz=162,SNR=43	52.16 345 eP	P	09 47 24.4 -2.0
L42A	Oliver, Polo	comp=Z,710nm,1.9s	52.16 345 eP	P	09 47 24.3 -2.1
NCB	Newcomb	baz=161,SNR=27	52.18 0 eP	P	09 47 26.5 -0.1
N37A	Lee Faris, Mou	comp=Z,398nm,1.8s	52.30 341 eP	P	09 47 25.9 -1.7
N37A	Lee Faris, Mou	comp=Z,398nm,1.8s	52.30 341 P	P	09 47 25.7 -1.9
M39A	Barren Site	baz=155,SNR=105	52.31 326 eP	P	09 47 27.8 -0.2
BNN	Webster	comp=Z,335nm,0.8s	52.34 343 P	P	09 47 25.6 -2.2
Y22D	IRIS PASCAL I	baz=158,SNR=66	52.41 326 eP	P	09 47 29.5 +0.8
Y22D	IRIS PASCAL I	comp=Z,114nm,0.9s	52.41 326 P	P	09 47 29.4 +0.7
Y22E	IRIS PASCAL I	baz=158	52.41 326 P	P	09 47 29.3 +0.6
LPM	Los Pinos Moun	baz=138	52.43 326 eP	P	09 47 29.4 +0.5
L41A	Preston	baz=160,SNR=73	52.43 345 P	P	09 47 26.3 -2.2
LBNH	Libson	comp=Z,142nm,0.8s	52.49 2 eP	P	09 47 29.2 +0.4
LBNH	Libson	comp=Z,142nm,0.8s	52.49 2 eP	P	09 47 29.3 +0.4
LBNH	Libson	comp=Z,142nm,0.8s	52.49 2 P	P	09 47 28.9 0.0
K43A	Burlington	baz=183,SNR=40	52.51 347 eP	P	09 47 27.2 -1.8
K43A	Burlington	comp=Z,338nm,0.9s	52.51 347 P	P	09 47 26.9 -2.1
VT1	Waterbury	baz=162,SNR=13	52.56 1 eP	P	09 47 29.2 -0.1
M38A	Pleasantville	comp=Z,590nm,1.1s	52.59 342 P	P	09 47 27.4 -2.2
N36A	Muff Farm, Cla	baz=156,SNR=58	52.60 340 P	P	09 47 28.3 -1.5
L40A	Anamosa	baz=154,SNR=93	52.61 344 eP	P	09 47 27.6 -2.2
L40A	Anamosa	comp=Z,224nm,1.0s	52.61 344 P	P	09 47 28.0 -1.8
CBKS	Cedar Bluff	baz=159,SNR=52	52.66 335 eP	P	09 47 30.0 -0.3
CBKS	Cedar Bluff	comp=Z,401nm,0.8s	52.66 335 eP	P	09 47 30.0 -0.3
CBKS	Cedar Bluff	comp=Z,401nm,0.8s	52.66 335 eP	P	09 47 30.1 -0.1
CBKS	Cedar Bluff	baz=148,SNR=78	52.66 335 P	P	09 47 31.5 +0.1
LAKZ	Ladron	baz=139,SNR=166	52.80 327 P	P	09 47 31.6 -0.1
TASL	Snake Pit, Alb	baz=139,SNR=166	52.80 327 P	P	09 47 31.6 -0.1
ANMO	Albuquerque	comp=Z,772nm,0.9s, baz=138,slow=8.2,SNR=178	52.81 327 eP	P	09 47 31.9 +0.2
ANMO	Albuquerque	comp=Z,772nm,0.9s, baz=138,slow=8.2,SNR=178	52.81 327 eP	P	09 48 05.0 -0.9
ANMO	Albuquerque	comp=Z,772nm,0.9s, baz=138,slow=8.2,SNR=178	52.81 327 eP	P	09 47 31.3 -0.3
ANMO	Albuquerque	comp=Z,772nm,0.9s, baz=138,slow=8.2,SNR=178	52.81 327 eP	P	09 48 05.0 -0.9
ANMO	Albuquerque	comp=Z,772nm,0.9s, baz=138,slow=8.2,SNR=178	52.81 327 eP	P	09 47 31.8 +0.2
TASM	ASL Pad, Albuq	baz=139	52.81 327 P	P	09 47 31.6 -0.1
K42A	Prairie Point,	baz=161,SNR=55	52.81 346 P	P	09 47 29.3 -1.9
LONY	Lake Ozonia	baz=161,SNR=55	52.83 360 eP	P	09 47 31.2 -0.2
LONY	Lake Ozonia	comp=Z,598nm,1.9s	52.83 360 P	P	09 47 31.2 -0.2
M37A	Trindle Farm,	baz=180,SNR=45	52.84 341 P	P	09 47 29.9 -1.6
K41A	Shullsburg	baz=153,SNR=85	52.88 345 P	P	09 47 29.9 -1.9
L39A	Vinton	baz=160,SNR=28	52.88 343 P	P	09 47 29.9 -1.9
WVL	Watervill	baz=158,SNR=36	52.94 4 eP	P	09 47 32.2 +0.1
SCIA	State Center	comp=Z,89nm,0.9s	53.04 342 eP	P	09 47 31.4 -1.6
SCIA	State Center	comp=Z,173nm,0.7s	53.04 342 P	P	09 47 31.3 -1.6
M36A	Felix, Anita	baz=156,SNR=41	53.12 341 P	P	09 47 32.2 -1.4
JFWS	Jewell Farm	baz=154,SNR=100	53.16 345 eP	P	09 47 31.9 -1.9
JFWS	Jewell Farm	comp=Z,216nm,0.8s	53.16 345 eP	P	09 47 31.9 -1.9
JFWS	Jewell Farm	comp=Z,216nm,0.8s	53.16 345 eP	P	09 47 31.6 -2.2
SADO	Sadowa	baz=160,SNR=61	53.16 356 eP	P	09 47 32.5 -1.2
J43A	Natural Harves	comp=Z,131nm,0.8s	53.17 347 P	P	09 47 31.9 -2.0
L38A	Oak Wood Farm,	baz=162,SNR=94	53.18 343 P	P	09 47 31.9 -2.0
K40A	Colesburg	baz=157,SNR=94	53.19 345 P	P	09 47 31.9 -2.1
J42A	Column	baz=159,SNR=58	53.27 347 P	P	09 47 32.6 -2.0
EMMW	East Machias	baz=162,SNR=17	53.27 6 eP	P	09 47 34.4 +0.1
PLVO	Plevna	comp=Z,88nm,0.9s	53.30 358 eP	P	09 47 34.5 -0.4
K39A	Oelwein	comp=Z,220nm,1.0s	53.39 344 P	P	09 47 33.1 -2.4
L37A	Phoenix Point,	baz=158,SNR=58	53.40 342 P	P	09 47 33.4 -2.2
T25A	Trinidad	baz=142,SNR=191	53.42 330 eP	P	09 47 36.3 +0.2
T25A	Trinidad	comp=Z,248nm,1.0s	53.42 330 P	P	09 47 36.4 +0.2
TUC	Tucson	baz=142,SNR=191	53.45 321 eP	P	09 47 36.0 -0.2
TUC	Tucson	comp=Z,136nm,0.8s	53.45 321 eP	P	09 47 36.0 -0.2
TUC	Tucson	comp=Z,136nm,0.8s	53.45 321 P	P	09 47 36.1 -0.1
J41A	Loganville	baz=133	53.52 346 P	P	09 47 34.6 -1.9
K38A	Parkersburg	baz=160,SNR=30	53.59 343 P	P	09 47 35.1 -1.9
K38A	Parkersburg	baz=157,SNR=28	53.59 348 P	P	09 47 35.1 -1.9
PKME	Peaks-Kenny Pk	baz=163,SNR=15	53.66 4 eP	P	09 47 37.5 +0.1
PKME	Peaks-Kenny Pk	comp=Z,150nm,0.7s	53.66 4 P	P	09 47 36.7 -0.6
L36A	Harm Buss Farm	baz=186,SNR=61	53.66 341 P	P	09 47 36.0 -1.6
J40A	Soldiers Grove	baz=159,SNR=178	53.73 345 P	P	09 47 36.2 -1.8
I42A	Draeger Farm,	baz=160,SNR=52	53.77 347 eP	P	09 47 37.0 -1.2
I42A	Draeger Farm,	comp=Z,198nm,0.8s	53.77 347 P	P	09 47 36.7 -1.5
GLMI	Grayling	baz=162,SNR=30	53.85 351 eP	P	09 47 38.6 -0.2
GLMI	Grayling	comp=Z,158nm,0.9s	53.85 351 P	P	09 47 36.8 -2.0
J39A	Decorah	baz=167	53.93 344 P	P	09 47 37.3 -2.1
K37A	Belmont	baz=158,SNR=172	53.95 342 P	P	09 47 37.4 -2.2
H43A	Windswept, Lux	baz=156,SNR=63	54.07 348 eP	P	09 47 39.7 -0.7
H43A	Windswept, Lux	comp=Z,143nm,1.0s	54.07 348 P	P	09 47 38.7 -1.7
KSC0	Kaye Shedlock	baz=164,SNR=6.7	54.08 333 eP	P	09 47 40.5 -0.2
KSC0	Kaye Shedlock	comp=Z,178nm,1.5s	54.08 333 P	P	09 47 40.8 0.0
K36A	Gilmore City	baz=145,SNR=125	54.08 342 P	P	09 47 39.2 -1.3
J41A	Wedel Dairy, R	baz=155,SNR=106	54.12 344 P	P	09 47 38.3 -2.6
I38A	Arkdale	comp=Z,207nm,0.8s	54.14 346 eP	P	09 47 39.2 -1.7
I41A	Arkdale	comp=Z,207nm,0.8s	54.14 346 P	P	09 47 39.3 -1.7
I40A	Norwalk	baz=161,SNR=46	54.17 345 P	P	09 47 39.2 -1.9
BGNE	Belgrade	baz=160,SNR=55	54.25 338 eP	P	09 47 40.9 -0.9
BGNE	Belgrade	comp=Z,11um,1.1s	54.25 338 P	P	09 47 41.1 -0.7

H42A	Shiocton	baz=150,SNR=150	54.27 347 eP	P	09 47 40.3 -1.5
H42A	Shiocton	comp=Z,230nm,0.9s	54.27 347 P	P	09 47 40.1 -1.7
I39A	Houston	baz=153,SNR=20	54.36 345 eP	P	09 47 40.6 -1.9
I39A	Houston	comp=Z,303nm,0.8s	54.36 345 P	P	09 47 41.1 -1.4
J37A	Redenius Farm,	baz=156,SNR=12	54.42 343 P	P	09 47 41.2 -1.8
TRQ	Mont Tremblant	baz=156,SNR=84	54.43 360 eP	P	09 47 42.7 -0.4
SDCO	Great Sand Dun	comp=Z,162nm,1.0s	54.44 330 eP	P	09 47 43.6 0.0
SDCO	Great Sand Dun	comp=Z,162nm,1.0s	54.44 330 P	P	09 47 43.8 +0.2
214A	Organ Pipe Nat	baz=141,SNR=332	54.49 319 P	P	09 47 44.0 +0.2
H41A	Junction City	baz=159,SNR=120	54.62 347 eP	P	09 47 42.5 -1.9
H41A	Junction City	comp=Z,183nm,0.8s	54.62 347 P	P	09 47 42.5 -1.9
J36A	Seneca 1, Swea	baz=161,SNR=55	54.67 342 eP	P	09 47 43.0 -1.8
J36A	Seneca 1, Swea	comp=Z,144nm,0.8s	54.67 342 P	P	09 47 42.8 -2.0
I38A	Scanlan Farm	baz=156,SNR=61	54.75 344 P	P	09 47 43.2 -2.1
W18A	Petrified Fore	comp=Z,193nm,1.0s	54.77 324 eP	P	09 47 46.5 +0.7
W18A	Petrified Fore	comp=Z,193nm,1.0s	54.77 324 P	P	09 47 46.1 +0.2
F46A	Macinaw City C	baz=167,SNR=7.6	54.80 351 P	P	09 47 43.8 -1.8
H40A	Chili	baz=160,SNR=81	54.80 346 P	P	09 47 44.0 -1.7
G43A	Wallace	comp=Z,135nm,1.0s	54.81 348 eP	P	09 47 45.0 -0.8
G43A	Wallace	comp=Z,135nm,1.0s	54.81 348 P	P	09 47 43.7 -2.0
F45A	CMU	baz=164,SNR=10	54.83 350 P	P	09 47 43.8 -2.0
G42A	Mountain	baz=166,SNR=11	54.95 348 eP	P	09 47 45.1 -1.6
G42A	Mountain	comp=Z,300nm,1.4s	54.95 348 P	P	09 47 44.8 -1.9
I37A	Lemond, Waseca	baz=157,SNR=17	55.02 343 eP	P	09 47 45.3 -2.0
I37A	Lemond, Waseca	comp=Z,112nm,0.7s	55.02 343 P	P	09 47 45.3 -2.0
H39A	Augusta	baz=157,SNR=43	55.07 345 P	P	09 47 45.7 -2.0
G41A	Antigo	baz=159,SNR=41	55.08 347 P	P	09 47 46.0 -1.7
S22A	4UR Ranch, Cre	comp=Z,492nm,1.8s	55.11 329 eP	P	09 47 48.3 -0.1
S22A	4UR Ranch, Cre	comp=Z,492nm,1.8s	55.11 329 P	P	09 47 48.3 -0.1
PQI	Presque Isl	baz=140,SNR=177	55.16 5 eP	P	09 47 48.4 +0.2
I36A	Fitzsimmons Fa	baz=156,SNR=38	55.21 343 P	P	09 47 46.5 -2.1
Q24A	Divide	comp=Z,114nm,1.0s	55.22 331 eP	P	09 47 49.2 0.0
Q24A	Divide	comp=Z,114nm,1.0s	55.22 331 P	P	09 47 49.3 0.0
F43A	Flat Rock, Esc	baz=142,SNR=55	55.26 349 P	P	09 47 46.7 -2.3
F44A	Big Bay de Noc	baz=165,SNR=9.3	55.26 350 P	P	09 47 47.1 -1.9
H38A	Maiden Rock	baz=158,SNR=30	55.33 344 P	P	09 47 47.8 -1.7
G40A	Rib Lake	comp=Z,62nm,0.8s	55.36 346 eP	P	09 47 48.5 -1.3
G40A	Rib Lake	comp=Z,62nm,0.8s	55.36 346 P	P	09 47 48.3 -1.5
F42A	Maple Grove Fa	baz=163	55.38 348 P	P	09 47 48.3 -1.6
OGNE	Ogallala	comp=Z,311nm,0.8s	55.40 335 eP	P	09 47 50.0 -0.2
OGNE	Ogallala	comp=Z,311nm,0.8s	55.40 335 P	P	09 47 50.1 -0.1
H37A	Dierke Farm, C	baz=157,SNR=55	55.41 344 P	P	09 47 48.3 -1.8
E45A	Wooded Hills,	baz=167,SNR=18	55.43 351 P	P	09 47 48.4 -1.8
F41A	Three Lakes	comp=Z,417nm,1.7s	55.56 347 eP	P	09 47 49.4 -1.8
F41A	Three Lakes	comp=Z,417nm,1.7s	55.56 347 P	P	09 47 49.3 -1.8
MVCO	Mesa Verde	baz=162,SNR=26	55.59 327 eP	P	09 47 51.5 -0.3
MVCO	Mesa Verde	comp=Z,556nm,1.9s	55.59 327 P	P	09 47 51.6 -0.2
G39A	Holcombe	baz=138,SNR=73	55.61 346 P	P	09 47 49.5 -2.0
G38A	Ridgeland	baz=160,SNR=73	55.67 345 P	P	09 47 50.0 -2.0
H36A	Jessenland, He	baz=159,SNR=62	55.69 343 P	P	09 47 50.4 -1.6
E43A	Lone Tree Farm	baz=154,SNR=85	55.76 349 eP	P	09 47 50.6 -1.9
E43A	Lone Tree Farm	comp=Z,154nm,0.8s	55.76 349 P	P	09 47 50.3 -2.2
ECSD	EROS Data Cent	baz=165,SNR=11	55.76 341 eP	P	09 47 50.9 -1.7
ECSD	EROS Data Cent	comp=Z,314nm,1.6s	55.76 341 P	P	09 47 51.4 -1.2
E44D	Grand Marais A	baz=157,SNR=11	55.80 350 eP	P	09 47 51.7 -1.1
E44A	Grand Marais A	comp=Z,346nm,1.4s	55.80 350 P	P	09 47 51.6 -1.1
COWI	Conover	baz=166	55.91 348 eP	P	09 47 52.2 -1.4
F40A	Park Falls	comp=Z,118nm,0.7s	55.96 347 P	P	09 47 52.2 -1.8
SPMN	Marine on St.	baz=161,SNR=43	55.98 344 eP	P	09 47 52.2 -1.8
SPMN	Marine on St.	comp=Z,224nm,0.8s	55.98 344 P	P	09 47 52.2 -1.8
E42A	Champion	baz=158,SNR=72	55.98 349 P	P	09 47 52.2 -1.9
WUAZ	Wupatki	baz=164,SNR=29	56.00 324 eP	P	09 47 55.0 +0.3
WUAZ	Wupatki	comp=Z,242nm,0.8s	56.00 324 P	P	09 47 55.1 +0.5
H35A	Sunnyside Ranch	baz=134,SNR=230	56.07 342 P	P	09 47 52.8 -1.9
ISCO	Idaho Springs	baz=155,SNR=58	56.09 331 eP	P	09 47 55.1 -0.3
ISCO	Idaho Springs	comp=Z,363nm,1.6s	56.09 331 eP	P	09 47 55.1 -0.3
ISCO	Idaho Springs	comp=Z,363nm,1.6s	56.09 331 P	P	09 47 55.4 -0.1
F39A	Wakfield	baz=142,SNR=130	56.14 346 P	P	09 47 53.5 -1.8
E41A	Kenton	baz=160,SNR=43	56.23 348 P	P	09 47 53.8 -2.0
SMCO	Snowmass	baz=162,SNR=22	56.28 330 eP	P	09 47 57.0 +0.1
PV01	Paradox Valley	comp=Z,155nm,1.1s	56.31 328 eP	P	09 47 56.9 0.0
F37A	Hinrichs Farm,	baz=158,SNR=51	56.39 345 P	P	09 47 55.7 -1.3
E40A	Wakfield	baz=158,SNR=51	56.41 347 P	P	09 47 55.8 -1.3

ILB				eP	pP	09 51 53.5 +0.7
ILB				ePP	PP	09 51 54.8 -2.5
HGN	Heimansgroeve	90.34	39	eP	P	09 51 15.4 0.0
	comp=Z,90nm,0.9s					
HGN	Heimansgroeve	90.34	39	eS	SKS	10 01 37.1 +4.5
MEM	Heimansgroeve	90.35	39	eP	P	09 51 15.6 +0.1
	comp=Z,28nm,0.9s					
RC01	Rabbit Creek A	90.40	332	eP	P	09 51 15.3 -0.2
	comp=Z,98nm,0.8s					
SYO	Syowa Base	90.46	161	eP	P	09 51 16.0 +0.3
SYO	Syowa Base	90.46	161	eP	P	09 51 19.0 +3.3
ECH	Echery	90.57	41	eP	P	09 51 16.5 -0.1
	comp=Z,75nm,1.1s					
ECH	Echery	90.57	41	eP	P	09 51 16.5 -0.1
	comp=Z,75nm,1.1s					
BRLK	Bradley Lake	90.58	331	eP	P	09 51 16.3 -0.1
	comp=Z,127nm,0.8s					
CCB	Clear Creek Bu	90.64	336	eP	P	09 51 15.8 -0.6
	comp=Z,69nm,0.9s					
WRH	Wood River Hill	90.70	335	eP	P	09 51 16.3 -0.5
	comp=Z,69nm,0.9s					
COLA	College	90.73	336	eP	P	09 51 16.7 -0.2
	comp=Z,172nm,0.8s					
COLA	College	90.73	336	eP	P	09 51 16.7 -0.2
	comp=Z,172nm,0.8s					
DAG	Danmarks Havn	90.77	11	iP	P	09 51 16.2 -0.7
	comp=Z,146nm,1.2s					
DAG	Danmarks Havn	90.77	11	iP	P	09 51 16.2 -0.7
	comp=Z,146nm,1.2s					
DAG	Danmarks Havn	90.77	11	iP	P	09 51 16.2 -0.7
	comp=Z,146nm,1.2s					
MCK	McKinley	90.82	335	eP	P	09 51 17.4 0.0
	comp=Z,66nm,0.8s					
MCK	McKinley	90.82	335	eP	P	09 51 17.4 0.0
	comp=Z,66nm,0.8s					
MDM	Murphy Dome	90.91	336	eP	P	09 51 17.3 -0.5
	comp=Z,171nm,0.9s					
KDAK	Kodiak Island	90.92	328	eP	P	09 51 17.3 -0.6
	comp=Z,107nm,0.6s,baz=124,slow=3.0,SNR=81					
KDAK	Kodiak Island	90.92	328	eP	P	09 51 17.3 -0.6
	comp=Z,107nm,0.6s,baz=105,slow=6.1,SNR=3.1					
KDAK	Kodiak Island	90.92	328	eP	P	09 51 17.6 -0.3
	comp=Z,112nm,0.7s					
KDAK	Kodiak Island	90.92	328	eP	P	09 51 17.6 -0.3
	comp=Z,112nm,0.7s					
KDAK	Kodiak Island	90.92	328	eP	P	09 51 17.6 -0.3
	comp=Z,112nm,0.7s					
SUA	Susitna One	90.97	332	eP	P	09 51 18.8 +0.5
	comp=Z,139nm,0.9s					
WTSB	Winterswijk	91.13	38	eP	P	09 51 19.1 0.0
	comp=Z,193nm,1.1s					
OHAK	Old Harbor	91.15	328	eP	P	09 51 17.9 -1.1
	comp=Z,140nm,0.9s					
OHAK	Old Harbor	91.15	328	eP	P	09 51 17.9 -1.1
	comp=Z,140nm,0.9s					
BWN	Browne	91.18	335	eP	P	09 51 18.9 -0.1
	comp=Z,243nm,1.0s					
TRF	Thorfare Moun	91.32	334	eP	P	09 51 19.7 -0.2
	comp=Z,61nm,0.7s					
BFO	Black Forest	91.36	41	eP	P	09 51 20.3 0.0
	comp=Z,19nm,0.9s					
BFO	Black Forest	91.36	41	eP	P	09 51 20.3 0.0
	comp=Z,19nm,0.9s					
BFO	Black Forest	91.36	41	eP	P	09 51 21.5 +1.2
	comp=Z,19nm,0.9s					
SIL	Sikkinak Island	91.47	327	eP	P	09 51 21.0 +0.5
	comp=Z,129nm,0.9s					
SKT	Skwentna	91.47	333	eP	P	09 51 20.1 -0.4
	comp=Z,202nm,0.8s					
SKT	Skwentna	91.47	333	eP	P	09 51 20.1 -0.4
	comp=Z,202nm,0.8s					
SPU	Mount Spurr	91.51	332	eP	P	10 02 05.0 -2.1
	comp=Z,126nm,0.8s					
RSO	Redoubt South	91.66	331	eP	P	09 51 20.3 -0.4
	comp=Z,126nm,0.8s					
TUE	Stuetta	91.69	43	eP	P	09 51 21.2 -0.4
	comp=Z,126nm,0.8s					
BPWA	Bear Paw Mtn	91.80	335	eP	P	09 51 21.0 -0.9
	comp=Z,42nm,0.8s					
MLY	Manley	91.95	336	eP	P	09 51 21.9 -0.8
	comp=Z,47nm,0.9s					
PPLA	Porcupine	92.00	333	eP	P	09 51 22.6 -0.5
	comp=Z,224nm,1.9s					
STU	Stuttgart	92.01	41	eP	P	09 51 22.6 -0.6
	comp=Z,48nm,0.8s					
STU	Stuttgart	92.01	41	eP	P	09 51 22.6 -0.6
	comp=Z,48nm,0.8s					
VLC	Villacollemand	92.01	46	eP	P	09 51 23.2 -0.2
	comp=Z,41nm,1.1s					
CAST	Castle Rocks	92.09	334	eP	P	09 51 22.2 -1.1
	comp=Z,324nm,1.9s					
DAVOX	Davos/Dischmat	92.11	43	eP	P	09 51 24.6 +0.6
	comp=Z,82nm,0.7s,baz=224,slow=4.4,SNR=28					
DAVOX	Davos/Dischmat	92.11	43	eP	P	09 51 24.6 +0.6
	comp=Z,82nm,0.7s,baz=224,slow=4.4,SNR=28					
DAVOX	Davos/Dischmat	92.11	43	eP	P	09 51 24.6 +0.6
	comp=Z,82nm,0.7s,baz=224,slow=4.4,SNR=28					
DAVA	Damuels	92.20	43	iP	P	09 51 24.7 +0.4
	comp=Z,72nm,0.8s					
FUORN	Ofenpass-Fuorn	92.34	43	eP	P	09 51 24.9 -0.2
	comp=Z,31nm,0.8s					
COLD	Coldfoot	92.34	338	eP	P	09 51 25.2 +0.8
	comp=Z,59nm,1.1s					
TOLK	Toolik Lake Re	92.52	339	eP	P	09 51 25.0 -0.2
	comp=Z,45nm,0.8s					
TOLK	Toolik Lake Re	92.52	339	eP	P	09 51 25.0 -0.2
	comp=Z,45nm,0.8s					
FETA	Feichten	92.72	43	iP	P	09 51 27.1 +0.3
	comp=Z,44nm,1.1s,SNR=17					
REUTL	Reuttl	92.82	43	iP	P	09 51 27.4 +0.3
	comp=Z,39nm,1.5s,SNR=15					
MOTA	Moosalm	93.03	43	iP	P	09 51 28.2 0.0
	comp=Z,50nm,0.8s,SNR=24					
CLTB	Callabellotta	93.11	53	eP	P	09 51 29.1 +0.4
	comp=Z,24nm,0.9s					
SVWZ	Sparrevohn	93.16	331	eP	P	09 51 27.1 -1.2
	comp=Z,36nm,1.0s					
WATA	Walderalm	93.35	43	iP	P	09 51 29.8 +0.0
	comp=Z,37nm,0.8s					
WTTA	Wattenberg	93.38	43	iP	P	09 51 29.6 -0.2
	comp=Z,30nm,0.9s,SNR=13					
CHGN	Chignik	93.72	326	eP	P	09 51 30.6 -0.3
	comp=Z,34nm,0.9s					
ABTA	Abfattersbach	93.89	43	iP	P	09 51 32.5 +0.4
	comp=Z,75nm,1.1s,SNR=43					
VAE	Valguarnera	94.04	53	eP	P	09 51 34.5 +1.6
	comp=Z,7.4nm,0.4s,baz=105,slow=8,SNR=3.6					
KONO	Kongsberg	94.14	30	iP	P	09 51 35.4 +2.6
	comp=Z,7.4nm,0.4s,baz=105,slow=8,SNR=3.6					
KONO	Kongsberg	94.14	30	iP	P	09 52 11.0 +0.4
	comp=Z,7.4nm,0.4s,baz=105,slow=8,SNR=3.6					
BOSA	Boshof	94.27	120	eP	P	09 51 33.7 -0.7
	comp=Z,2.7nm,0.5s,baz=282,slow=3.3,SNR=9.6					
BOSA	Boshof	94.27	120	eP	P	09 52 12.6 +0.5
	comp=Z,2.7nm,0.5s,baz=282,slow=3.3,SNR=9.6					
BOSA	Boshof	94.27	120	eP	P	10 08 33.8 +0.1
	comp=Z,2.7nm,0.5s,baz=282,slow=3.3,SNR=9.6					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 26.7 +3.5
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 51 35.6 +1.6
	comp=Z,4.0nm,0.6s,baz=103,slow=1.9,SNR=12					
NKC	Novy Kostel	94.34	40	eP	P	09 52 11.1 -0.7
	comp=Z,4.0nm,0.6s,b					

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KBZ, SEY, GNI, ARU, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KURBB, WSAR, KKK31, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CN2, INU, WMQ, etc.

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

PDG 02 09:54:14.9.0.3.44.04N:16.75E, h11km, 1km, ML2.9/11, Error ellipse: s-maj=0.9km s-min=1.3km az=0.0

BEO 02 09:54:14.5.0.4.44.01N:16.79E, h30km, 2km, ML2.7/13, Error ellipse: s-maj=1.2km s-min=1.7km az=0.0

ISC 02 09:54:14.2.1.2.44.02N:0.02:16.78E, 0.02, h1km, 10km, n59, c106/108, 10C-6D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Banja Luka, Udbina, MRAK, etc.

Table with columns: DIVS, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Divibare, Cerknica, Podgorica, etc.

MOS 02 09:56:38.7.0.9.4.65S:153.32E, h33km, mb6.1/51, MS5.6/40, Error ellipse: s-maj=7.0km s-min=5.1km az=106.4

ISCJB 02 09:56:41.4.0.5.4.66S:0.02:153.29E:0.02, h55km, 4km, mb5.8/36Z, MS5.6/22S, Error ellipse: s-maj=3.3km s-min=2.6km az=34.1

NEIC 02 09:56:41.7.0.1.4.65S:153.28E, h46km, mb5.8/218, MS5.8, MS5.7/132, MW6.1, MW6.1, Error ellipse: s-maj=2.6km s-min=2.4km az=130.0, Moment Tensor Solution. s45 Moment tensor: Scale 10^18Nm; Mr1.82; Mw=1.60; Mww=0.22; Mw0.75; Mw0.36; Mw0.40; Best double couple: M=2.00000x10^18 NP1=296.00000, 836.00000, 1.13.00000; NP2=89.00000, 557.00000, 1.74.00000; Principal axes: T 2.080, Plg1.00000; Azm317.00000; N -0.2700, Plg13.00000; Azm98.00000; P -1.8000, Plg10.00000; Azm190.00000; Broadband fault plane solution: P waves. NP1=293.00000, 851.00000, 1.56.00000; NP2=100.00000, 850.00000, 1.125.00000; Principal axes: T Plg64.00000; Azm77.00000; N Plg0.00000; Azm0.00000; P Plg1.00000; Azm346.00000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

IC 02 09:56:41.6.0.7.4.69S:153.33E, h43km, 5km, mb5.5/47, mb1.5/51, mb1m1mx5.4/8, mb1m5p.7/51, ML4.4, MS5.4/48, Ms1.5/48, ms1mx5.3/58, Error ellipse: s-maj=8.7km s-min=6.8km az=33.0

BJI 02 09:56:42.6.4.37S:153.53E, h67km, mb6.0/81, mb6.1/67, Ms5.8/88, Ms7.5/80

DJA 02 09:56:44.1.0.5.5.3:3.153.3E, h65km, 5km, M6.0/68, mb5.8/68, mb6.2/55, MLV6.4/1, Mw6.3/55, Mw6.3/3

GCMT 02 09:56:44.7.0.1.4.93S:153.14E, h54km, MW6.1/146, Moment Tensor Solution. s142,c319; s146,c487; Duration: 2s7 Moment tensor: Scale 10^18Nm; Mr1.34; Mw=1.54; Mw0.19; Mw0.19; Mw0.19; Mw0.19; Mw0.19; Best double couple: M=1.66600x10^18 NP1=73.00000, 860.00000, 1.71.00000; NP2=293.00000, 835.00000, 1.19.00000; Principal axes: T 2.0200, Plg61.00000; Azm321.00000; N -0.152000, Plg15.00000; Azm309.00000; P -0.8700, Plg23.00000; Azm178.00000

ISC 02 09:56:43.2.0.3.4.66S:0.03:153.34E:0.03, h61km, 2km, h61km; pP-P, N1561, c1943/161, mb5.8/355, 101C-52D, New Ireland region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Rabaul, Manus Island, Port Moresby, etc.

Table with columns: BAKI, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Ransiki, GUMU, Tarawa, etc.

BW06	Boulder Array	98.36	48	P	P	10 10 13.2	-1.7
PD31	Pinedale Array	98.36	48	eP	PP	10 10 14.7	-0.2
PDAR	Pinedale Array	98.36	48	eP	P	10 10 13.8	-1.7
PDAR	comp-Z, 1.5nm, 0.7s, baz=247, slow=3.1, SNR=15					10 14 13.8	-1.7
PDAR	comp-Z, 1.5nm, 0.9s, baz=256, slow=4.3, SNR=3.9					10 14 13.8	-1.7
PDAR	comp-Z, 0.5nm, 0.8s, baz=79, slow=5.3, SNR=3.9					10 26 48.1	+1.0
RLMT	Red Lodge	98.50	45	eP	Pdf	10 10 16.9	+1.4
RLMT	Red Lodge	98.50	45	P	Pdf	10 10 15.6	+0.1
RV23	Carpenter Ridg	98.87	52	eP	Pdf	10 10 17.9	+0.5
PV11	David Mesa, Pa	98.98	52	eP	Pdf	10 10 19.1	+1.4
PV12	Saucer Basin	99.03	52	eP	Pdf	10 10 18.9	+0.8
PV01	Paradox Valley	99.22	52	eP	Pdf	10 10 19.7	+0.8
MVCO	Mesa Verde	99.30	53	PFAKE	LR	10 10 30.0	+1.1
MVCO	Mesa Verde	99.30	53	P	Pdf	10 10 18.9	-0.4
O20A	White River Ci	99.42	50	P	Pdf	10 10 17.6	-2.1
121A	Cookes Peak, D	99.57	56	P	Pdf	10 10 19.2	-3.1
NVL	N'azarevskaya	100.51	192	eS	Pdf	10 10 27.6	+4.0
NVL	comp-Z, 6.0nm, 1.0s					10 20 56.9	-0.1
NVL	comp-Z, 4µm, 19.0s						
LAO	LASA Array	100.54	44	PFAKE	LR	10 10 40.0	+1.6
LAO	LASA Array	100.54	44	P	Pdf	10 10 22.7	-1.6
K22A	Casper	100.60	48	P	Pdf	10 10 24.4	-0.5
S22A	4UR Ranch, Cre	100.61	53	ePdif	P	10 10 26.1	+1.0
S22A	4UR Ranch, Cre	100.61	53	P	Pdf	10 10 25.7	+0.5
Y22A	IRIS PASCALL I	100.66	56	P	Pdf	10 10 25.4	+0.1
Y22E	IRIS PASCALL I	100.66	56	P	Pdf	10 10 24.3	-1.0
TASM	ASL Pad, Albuq	101.01	55	P	Pdf	10 10 26.3	-0.7
ANMO	Albuquerque	101.02	55	PFAKE	LR	10 10 40.0	+1.3
ANMO	Albuquerque	101.02	55	P	Pdf	10 10 26.5	-0.4
TASL	Snake Pit, Alb	101.02	55	P	Pdf	10 10 26.3	-0.6
N23A	Red Feather La	101.14	49	P	Pdf	10 10 27.3	-0.1
ISCO	Idaho Springs	101.46	50	PFAKE	LR	10 10 40.0	+1.1
ISCO	Idaho Springs	101.46	50	P	Pdf	10 10 28.2	-0.7
SDCO	Great Sand Dun	101.66	53	PFAKE	LR	10 10 40.0	+1.0
SDCO	Great Sand Dun	101.66	53	P	Pdf	10 10 28.6	-1.3
DGMT	Dagmar	101.74	42	PFAKE	LR	10 10 40.0	+1.0
DGMT	Dagmar	101.74	42	P	Pdf	10 10 29.4	-0.2
Q24A	Divide	101.87	51	P	Pdf	10 10 30.3	-0.5
MNTX	Cornudas Mount	102.03	59	PFAKE	LR	10 10 40.0	+8.8
MNTX	Cornudas Mount	102.03	59	P	Pdf	10 10 31.1	-0.1
MNTX	comp-Z, 2µm, 21.0s					10 10 30.1	-1.3
MNTX	comp-Z, 2µm, 21.0s					10 10 30.7	-0.7
SNA4	Sanae	102.23	188	P	Pdf	10 26 32.8	-3.9
SNA4	Sanae	102.23	188	P	Pdf	10 10 30.6	-0.8
SNA4	comp-Z, 3.8nm, 0.8s, baz=219, slow=7.8, SNR=13					10 10 40.0	+8.3
SNA4	comp-Z, 2.1nm, 0.9s, baz=210, slow=2.4, SNR=5.9					10 10 30.6	-0.8
FFC	Flin Flin	102.26	35	PFAKE	LR	10 10 40.0	+8.3
PRGR	Pergore	102.46	332	eP	Pmax	10 10 31.0	-1.4
PRGR	comp-Z, 1.70nm, 0.8s					10 10 33.5	-2.2
SPA0	Spitsbergen Ar	103.25	352	ePdif	Pdf	10 14 55.5	+0.8
SPA0	Spitsbergen Ar	103.25	352	eP	PKIKP	10 10 33.5	-2.2
SPITS	Spitsbergen Ar	103.25	352	Pdf	PKIKP	10 14 55.5	+0.8
SPITS	comp-Z, 6.1nm, 0.7s, baz=111, slow=3.7, SNR=5.9					10 14 55.5	+0.8
SPITS	comp-Z, 3.4nm, 0.7s, baz=336, slow=3.2, SNR=3.0					10 26 30.0	-3.8
KBS	Kingsbay	103.29	353	PFAKE	LR	10 10 50.0	+1.4
KBS	comp-Z, 2µm, 22.0s					10 14 50.6	-0.7
VNA3	Neumayer Olymp	103.29	353	eP	PP	10 10 36.8	+0.2
TXAR	Lajitas Array	103.59	61	Pdf	PKIKP	10 10 38.8	+0.4
TXAR	comp-Z, 0.1nm, 0.6s, baz=59, slow=4.0, SNR=2.7					10 26 31.5	+0.1
TXAR	comp-Z, 0.8nm, 0.7s, baz=106, slow=4.1, SNR=3.9					10 26 38.4	-1.6
TXAR	comp-Z, 2.2nm, 0.8s, baz=121, slow=4.7, SNR=14					10 30 09.1	+0.7
TXAR	comp-Z, 0.6nm, 0.8s, baz=107, slow=3.0, SNR=3.9					10 10 50.0	+1.1
ABPO	Ambohpanom	103.62	249	PFAKE	LR	10 10 44.9	+5.6
OPO	Ambohitratompo	103.74	250	Pdf	Pdf	10 10 37.9	-0.4
VNA1	Neumayer-Stat	103.83	186	P	Pdf	10 10 50.0	+1.0
OGNE	Ogallala	104.09	49	PFAKE	LR	10 10 40.0	-0.6
OGNE	comp-Z, 2µm, 20.0s					10 10 40.0	-0.6
MSTX	Muleshoe	104.11	56	P	Pdf	10 10 43.2	-2.1
MDND	Maddock	104.87	42	P	Pdf	10 24 17.0	-6.9
APA	Apaitity	105.39	340	iP	Pdf	10 15 10.0	
PMSA	Palmer Station	105.45	164	PFAKE	LR	10 15 10.0	
KLMR	Klimovskoe	105.52	332	eP	Pdf	10 10 43.4	-2.6
KLMR	comp-Z, 1.26nm, 1.1s					10 10 45.3	-2.6
KLMR	comp-Z, 1.26nm, 1.1s					10 15 06.1	-2.2
KLMP	Cedar Bluff	106.08	51	PFAKE	LR	10 15 10.0	
KLMP	comp-Z, 2µm, 21.0s					10 15 10.0	
KEV	Kevo	106.33	343	PFAKE	LR	10 15 10.0	
JCT	Junction City	106.88	60	PFAKE	LR	10 15 10.0	
ARA0	ARCESS Array S	106.89	343	ePdif	Pdf	10 10 51.4	-0.6
ARA0	ARCESS Array S	106.89	343	eP	PKIKP	10 10 51.4	-0.6
ARCES	ARCESS Array B	106.89	343	Pdf	Pdf	10 10 51.4	-0.6
ARCES	comp-Z, 1.1nm, 0.8s, baz=64, slow=7.9, SNR=18					10 15 02.5	+1.0
ARCES	comp-Z, 6.0nm, 0.6s, baz=64, slow=1.0, SNR=17					10 26 16.2	-6.3

AREO	ARCESS Array S	106.89	343	ePdif	Pdf	10 10 51.9	-0.2
VRH	Novochopyorsk	107.09	322	eP	Pmax	10 10 51.5	-1.7
VRH	comp-Z, 40nm, 0.9s					10 10 53.9	-0.3
GNI	Garni	107.19	310	Pdf	Pdf	10 10 53.9	-0.3
GNI	Garni	107.19	310	eP	Pdf	10 10 53.9	-0.3
GNI	comp-Z, 1µm, 22.0s					10 15 10.0	
AGMN	Agassiz Nation	107.24	41	PFAKE	LR	10 15 20.0	
WMOK	Wichita Mounta	107.33	55	PFAKE	LR	10 15 20.0	
ZEI	Tsey	107.39	313	eP	Pmax	10 10 53.7	-1.4
ECSD	EROS Data Cent	107.66	46	PFAKE	LR	10 15 20.0	
DAG	Danmarks Havn	107.81	358	iP	PKKPab	10 26 29.7	-1.6
KBZ	Khabaz	107.94	314	Pdf	Pdf	10 10 57.2	0.0
KIV	Kislovodsk	108.05	315	PFAKE	LR	10 15 20.0	
HEF	Hetta	108.09	343	eP	Pdf	10 10 55.6	-1.7
MOS	Moscow	108.13	328	eP	Pdf	10 15 26.8	
MOS	comp-Z, 122nm, 0.9s					10 21 32.6	
MOS	comp-Z, 3µm, 21.0s					10 10 59.2	+0.3
RAYN	Ar Rayn	108.20	293	ePdif	Pdf	10 10 59.2	+0.3
RAYN	Ar Rayn	108.20	293	eP	Pdf	10 10 58.1	-0.8
LPSR	Galich'ya Gora	108.38	324	eP	Pmax	10 15 20.0	
KSU1	Kansas State U	108.46	50	PFAKE	LR	10 15 20.0	
C35A	Jirik Farms, M	108.61	41	P	PKIKP	10 15 04.6	-0.8
B35A	Bob Littlefor	108.61	40	P	PKIKP	10 15 05.0	-0.3
VORD	Divnogore	108.63	322	eP	Pmax	10 10 58.4	-1.7
VSR	Storozhevoye	108.63	323	eP	Pmax	10 10 58.6	-1.5
TRO	Tromso	108.65	345	ePP	PP	10 15 33.3	+2.6
TRO	Tromso	108.65	345	eP	Pdf	10 10 59.3	-0.5
H35A	Sunnyside Ranc	108.72	44	P	PKIKP	10 15 04.4	-1.3
KVXT	Kingsville	108.78	63	PFAKE	LR	10 15 20.0	
OBN	Obninsk	108.91	327	PFAKE	LR	10 15 20.0	
J36A	Seneca 1, Swea	109.36	46	P	PKIKP	10 15 06.1	-0.8
H36A	Jessenland, He	109.37	44	P	PKIKP	10 15 06.4	-0.5
I36A	Fitzsimmons Fa	109.44	45	P	PKIKP	10 15 06.5	-0.5
J37A	Redenas Farm,	109.92	46	P	PKIKP	10 15 06.4	-1.6
EYMN	Ely	110.17	40	PFAKE	LR	10 15 20.0	
EYMN	Ely	110.17	40	P	PKIKP	10 15 07.6	-0.7
SCIA	State Center	110.47	47	PFAKE	LR	10 15 20.0	
M38A	Pleasantville	110.59	47	P	PKIKP	10 15 08.8	-0.5
L38A	Oak Wood Farm,	110.61	47	P	PKIKP	10 15 08.8	-0.5
P38A	Dawn	110.71	49	P	PKIKP	10 15 09.0	-0.6
STEI	Steigen	110.80	344	e	IVmBB	10 15 10.3	
LOF	Lofoten	111.11	345	ePdif	Pdf	10 11 09.7	-1.0
LOF	Lofoten	111.11	345	eP	PP	10 15 49.4	+0.7
NATX	Nacogdoches	111.12	58	PFAKE	LR	10 15 20.0	
FLAO	FINESS Array S	111.15	336	ePdif	Pdf	10 11 10.4	-0.6
FLAO	FINESS Array S	111.15	336	eP	PKIKP	10 11 10.4	-0.6
FLAO	FINESS Array S	111.15	336	eP	Pdf	10 11 10.4	-0.6
FINES	FINESS Array B	111.15	336	Pdf	Pdf	10 11 10.4	-0.6
FINES	comp-Z, 1.2nm, 0.5s, baz=70, slow=4.8, SNR=56					10 15 09.9	+0.3
FINES	comp-Z, 5.4nm, 0.6s, baz=56, slow=2.5, SNR=10					10 15 09.0	+0.3
S39A	Bolivar	111.25	51	P	PKIKP	10 15 11.2	+0.5
Q39A	Willow Grove F	111.25	50	P	PKIKP	10 15 10.8	+0.2
O39A	Kirkville	111.32	49	P	PKIKP	10 15 10.7	0.0
P39B	Salisbury	111.33	49	P	PKIKP	10 15 11.3	+0.6
T39A	Cleaver	111.33	52	P	PKIKP	10 15 10.1	-0.7
R39A	Chumby, Stover	111.35	51	P	PKIKP	10 15 09.5	-1.3
U39A	Green Forest	111.36	53	P	PKIKP	10 15 09.5	-1.4
ANN	Anapa	111.52	317	iPKIKP	PKIKP	10 15 09.1	-1.8
MIAR	Mount Ida	111.60	55	PFAKE	LR	10 15 20.0	
SUMG	Summit	111.77	4	iP	PKKPbc	10 26 04.8	-2.6
P40A	Paris	111.85	49	P	PKIKP	10 15 10.8	-0.9
U40A	Yelville	111.87	53	P	PKIKP	10 15 10.6	-1.2
Q40A	Laux Farm, Aux	111.95	50	P	PKIKP	10 15 12.5	+0.6
V40A	Witts Springs	111.99	53	P	PKIKP	10 15 11.9	-0.2
CMIG	Matias Romero	112.16	74	PKKPbc	PKKPbc	10 26 08.3	+4.3
COWI	Conover	112.24	42	PFAKE	LR	10 15 20.0	
JFWS	Jewell Farm	112.36	45	PFAKE	LR	10 15 20.0	
VSU	Vasuta	112.40	333	iPKIKP	PKIKP	10 15 12.7	+0.6
Q41A	Truxton	112.60	50	P	PKIKP	10 15 12.3	-0.9
R41A	Rosobud	112.63	50	P	PKIKP	10 15 12.3	-1.0
CCM	Cathedral Cave	112.78	51	P	PKIKP	10 15 13.4	-0.1
G42A	Mountain	112.97	43	P	PKIKP	10 15 13.8	+0.1

P42A	Winchester	113.12	49	P	PKIKP	10 15 14.7	+0.6
S42A	Caledonia	113.19	51	P	PKIKP	10 15 15.2	+0.9
HDIL	Hopedale	113.67	48	PFAKE	LR	10 15 30.0	
SIM	Sinteropol	113.73	317	iPKIKP	PKIKP	10 15 15.0	-0.1
SIM	comp-Z, 2µm, 20.0s					10 15 15.0	-0.1
SIM	comp-Z, 24nm, 0.8s					10 25 40.0	-6.0
SIM	comp-Z, 340nm, 9.9s					10 27 05.0	
SIM	comp-Z, 720nm, 17.9s					10 32 02.0	+1.0
NACGM	Naroch	114.13	329	e	PKPpdf	10 15 14.0	-1.6

2d 10h

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes stations like PRGZ, EDZR, EDZR, SNGZ, etc.

2012 AUG

Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes stations like MGCD Mangrove Creek, ARMA Armidale, ARMA Armidale, etc.

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Table with columns: Call Sign, Name, Frequency, Power, and other details. Includes stations like GIRL Giralia, MMRI Maumere, MMRI Maumere, etc.

2d 10h

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like KALE, KALE, KALE, etc.

2012 AUG

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like DGB, ZKS, KRUS, etc.

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Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ZALV, SONM, KSAR, etc.

2d 13h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like H1152 WAKE ISLAND Hy 21.83 90 T, MKAR Makanchi Array 41.52 314 P, ZALV Zalesovo Beam 42.77 325 P, WRA Warramunga Arr 44.57 169 P, KURBB Kurchatov Arra 45.06 316 P, ASAR Alice Springs 48.15 170 P, FINES FINESS Array B 73.70 330 P, BRTR Keskin Array B 76.76 330 P.

ISC/JB 02 12:47:59.4,0.7,60.77S:0.1x56.9W:0.5,h10km,mb3.9/8, MS4.1/15, Error ellipse: s-maj=32.1km s-min=16.4km

IDC 02 12:47:59.4,0.8,60.77S:56.87W,h0km,mb4.0/8, mb1.4/2.8,mb1mx4.0/36,mbtmp4.0/8,MS4.1/15, Ms1.4.1/15,ms1mx3.9/32, Error ellipse: s-maj=41.4km s-min=23.7km az=79.0

ISC 02 12:48:00.5,0.8,60.80S:0.1x57.2W:0.3,h10km,n34, c0576/14,mb4.0/8,MS4.1/15, South Shetland Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like PLCA Paso Flores 21.68 332 P, SNAAC Sanae 23.51 140 LR, GSPA South Pole Qui 29.48 180 P, CPUP Villa Florida 34.41 360 P, VVND Vanda 39.89 192 LR, MAW Wauwatu 42.77 325 LR, LPAZ La Paz 45.11 345 LR, BDFB Brasilia 45.12 112 LR, RPN Rapa Nui 48.43 290 LR, H10S2 ASCENSION HYDR60.51 50 T, H10S3 ASCENSION HYDR60.51 50 T, H10S1 ASCENSION HYDR60.52 50 T, H10N3 ASCENSION HYDR61.59 50 T, H10N1 ASCENSION HYDR61.59 50 T, H10N2 ASCENSION HYDR61.61 50 T, BOSABoshof 61.84 99 LR, TSUM Tsumeb 65.99 96 LR, ROSC El Rosal 66.76 341 LR, SDV Santo Domingo 70.23 346 LR, PCRV Puerto La Cruz 70.95 352 LR, LSZ Lusaka 74.55 94 P, STKA Stephens Creek 86.43 196 LR, TORD Torodi Ar. Bea 87.11 57 P, ASAR Alice Springs 95.40 190 P, TXAR Lajitas Array 97.44 320 P, TKL Tuckaleehee C 98.21 48 LR, WRA Warramunga Arr 99.05 191 P, GERES GERES Array B 123.21 48 PKP, ILAR Eielson Array 141.82 316 PKP, ARCES ARCESS Array B 142.51 35 PKP, BVAR Borovoye Array 151.05 82 PKPbc, MKAR Makanchi Array 152.79 102 PKPbc, KURBB Kurchatov Arra 152.92 316 PKPbc, SONMSongino Array 163.96 326 PKPab.

IDC 02 13:00:05.9,1.5,7.39S:121.18E,h0km,mb3.4/3, mb1.3/7.5,mb1mx3.5/55,mbtmp3.6/5,ML3.2/2,MS3.6/1, Ms1.3.6/1,ms1mx2.8/36, Error ellipse: s-maj=169.9km s-min=23.2km az=58.0

DJA 02 13:00:07.8,0.4,8.3S:3x12.1E, h10km,M3.6/8,MLV3.6/8

ISC/JB 02 13:00:08.7,0.6,7.81S:0.06x120.61E:0.05,h33km, mb3.5/2,MS3.6/1, Error ellipse: s-maj=8.6km s-min=5.7km az=27.6

ISC 02 13:00:10.3,0.9,7.78S:0.05x120.64E:0.05,h35km,n14, c182/17, Flores Sea

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like EDFI Ende, Flores 1.42 133 P, MMRI Maumere 1.79 118 P, WSI Waingapu 1.90 190 P, WBSI Waikabubak, Su 2.22 214 P, BKSI Bulukumba 2.50 348 P, PLAI Plampang 3.02 250 P, SPSI Sidrap Palu 3.89 347 P, SOEI Soe 4.08 119 P, FITZ Fitzroy Crossi 11.35 155 P, WRA Warramunga Arr 17.95 134 P, ASAR Alice Springs 20.28 143 P, USRK Ussuriysk Arr 52.75 10 LR, MKAR Makanchi Array 64.14 332 P, KURBB Kurchatov Arra 68.62 333 P.

NEIC 02 13:16:37.0,0.5,19.56N:89.81E,h10km,mb4.7/3, Error ellipse: s-maj=9.7km s-min=8.3km az=17.0

IDC 02 13:16:37.0,1.2,19.72N:89.67E,h0km,mb4.1/13, mb1.4/2.16,mb1mx4.0/37,mbtmp4.2/16,ML3.3/3,MS3.1/2, Ms1.3.2/2,ms1mx2.7/64, Error ellipse: s-maj=27.9km s-min=22.8km az=99.0

ISC/JB 02 13:16:39.6,0.4,19.77N:0.03x89.77E:0.03,h33km, mb4.0/15,MS3.3/1, Error ellipse: s-maj=4.6km s-min=4.5km az=24.8

ISC 02 13:16:41.3,0.5,19.78N:0.05x89.79E:0.04,h35km,n68, c25/272,mb4.2/15, Bay of Bengal

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like BRDH Barriadhala 3.36 31 P, BRDH 58nm,0.3s,baz=69,slow=16,SNR=3.7, BRDH 59nm,0.3s,baz=343,slow=22,SNR=43, BELO BELONIA 3.78 24 eS.

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Main table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like SAIH SAHA 4.02 47 eP, BOK Bokoro 5.40 318 eP, SILR SILCHAR 5.71 29 eS, SILR comp=E,1µm,0.4s, TURI Tura 5.77 5 eP, TURI comp=E,1µm,0.1s, SHL Shillong 6.08 18 eP, VIS Vishakhapatnam 6.45 253 eP, GUWA GUWAHATI 6.62 15 eP, KOHI KOHIMA 7.13 33 eP, KOHI comp=E,297nm,0.2s, KOHI comp=N,492nm,0.4s, TEZP TEZPUR 7.35 22 eP, ODAN Odare 7.39 343 eP, GTK Tadong 7.59 352 eP, RAM Ramite 7.72 338 eP, TAPN Taping 7.78 346 eP, ITAN ITANAGAR 8.17 25 eP, JIRN Jiri 8.51 338 eP, PBA Port Blair 8.56 160 eP, CHTO Chiang Mai 8.70 95 eP, CHTO Chiang Mai 8.70 95 eP, CMMT Chiang Mai 8.70 95 eP, PKIN Phulchoi 8.74 333 eS, CMAR Chiang Mai Arr 8.75 97 P, CMAR comp=N,1.4nm,0.3s,baz=258,slow=16,SNR=5.3, GUN Gumba 8.85 337 eP, DMN Damnan 8.90 332 eP, DMN comp=N,199nm,0.6s, UMPA Umpang Tak 9.33 111 P, GKN Gorkha 9.45 331 eP, PAYA Paya 9.51 91 eP, KOLN Koldanda 9.77 326 eP, PHRA Phrae 9.95 96 P, LSHA Lhasa 9.96 7 eP, UTHA Uthaitani 10.11 113 P, DANNTangjing 10.15 328 eP, NANNan 10.35 94 P, PYUN Pyithan 10.36 324 eP, UTTA Utatarid 10.40 99 P, PHIT Phitsnulok 10.41 103 P, HYB Hydrabad 10.91 259 P, PBKT Sadao Pong 11.10 105 P, BHPL Bhopal 12.01 289 eP, NONG Nongkai 12.75 95 P, CMYB CAMPBELL BAY 13.31 162 eP, NDI New Delhi 14.39 161 eP, KRAB Krabi 14.66 140 P, BSI Banda Aceh 15.17 159 P, PALK Palkeele 15.24 217 P, PALK comp=2.1,2nm,0.3s,baz=115,slow=3.8,SNR=4.7, BOM Bombay 16.05 270 P, SONMSongino Array 31.07 22 P, KURBB Kurchatov Arra 32.05 346 P, KURK Kurchatov 32.12 347 eP, ZALV Zalesovo Beam 34.32 355 P, BVAR Borovoye Array 36.43 340 P, AKTO Aktobinsk 39.59 228 P, KLR Kul'dur 44.52 39 P, WRNS Tennant Creek 58.85 130 P, FINES FINESS Array B 73.70 330 P, ARCES ARCESS Array B 62.70 339 P, HFS Hagfors 66.14 328 P, GERES GERES Array B 66.29 316 P, NB2 NORARSAR Arra 67.39 329 P, NOA NORARSAR Arra 67.38 329 P, TORD Torodi Ar. Bea 68.89 282 P, IDC 02 13:18:21.9,0.9,35.35S:179.62W,h0km,mb4.3/6, mb1.4/5.7,mb1mx4.1/45,mbtmp4.4/7,ML4.6/1,MS4.0/18, Ms1.4.0/18,ms1mx3.7/45, Error ellipse: s-maj=32.1km s-min=23.4km az=155.0, ISC/JB 02 13:18:23.0,0.8,35.37S:0.05x179.3W:0.1,h41km, mb4.4/7,MS4.1/16, Error ellipse: s-maj=13.3km s-min=2.2km az=23.3, WEL 02 13:18:26.3,1.0,36.59S:179.79W,1.2,h33km,ML4.9/25, NEIC 02 13:18:27.0,0.7,35.57S:179.72W,h35km,mb4.5/12, Error ellipse: s-maj=18.7km s-min=11.9km az=119.0, ISC 02 13:18:27.3,0.8,35.64S:0.08x179.39W:0.10,h41km, n106,c1817/95,mb4.4/7,MS4.1/16, East of North Island

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes entries like TWGZ Tauwharepara 3.29 219 P, RWGZ Raukumara Rang 3.31 225 P, CNZG Carnagh Statio 3.43 213 P, TKGZ Te Karaka 3.56 218 P, MWZ Matawai 3.65 222 P, WHRZ Whale Island 3.66 232 P, RAGZ Rawiri 3.83 221 P, URWU Urewera 3.83 226 P, URZ 37nm,0.3s,baz=295,slow=3.4,SNR=115, URZ 32nm,0.3s,baz=276,slow=16,SNR=7.7, URZ comp=Z,499nm,20.0s,baz=45,slow=31, PRGZ Paritu Roto 3.93 213 P, TGRZ Taurangi 4.07 238 P, KUZ Kautoune 4.11 253 P, KNZ Kokohu 4.11 214 P, MHGZ Mahia Peninsula 4.12 211 P, RTZ Ruatuhua 4.15 223 P, MUGZ Murupuru 4.18 226 P, TARZ Mount Tarawera 4.19 231 P, OMRZ Omia 4.20 233 P, KARZ Kaharoa 4.23 235 P, RRRZ Republican Roa 4.24 229 P, RRZ Rands Stat 4.25 229 P, KHRZ Kairangi 4.31 220 P, RMHZ Kaimai 4.35 238 P, UHU Utuhina 4.35 233 P, WTHU Waihua 4.36 217 P, MTHZ Maungataniwha 4.40 222 P, PRZ Plateau Road 4.42 230 P, ALRZ Allen Road 4.49 228 P, GRZ Galatos Road 4.50 232 P, WPRZ Whakapaparin 4.52 230 P, HLRZ Hill Road 4.54 227 P, ARHZ Aropapanui 4.62 217 P, MRHZ Matea Rd 4.62 225 P, KUTZ Kaahu Road 4.77 232 P, WHTZ Whakaora 4.79 230 P, BKZ Black Stump Fm 4.81 222 P, MUAZ Mtua Bo 4.84 226 P, HATZ Hinemaiaia 4.85 227 P, MCHZ McNeill Hill 4.91 218 P, RATZ Rangitukia 5.03 229 P, KWHZ Kaweka Forest 5.04 220 P, RHZ Rihia Road 5.04 227 P, WTAZ Waitatara 5.05 253 P, KAHZ Kahurangi 5.09 214 P, KRHZ Kereru 5.22 219 P, BHHZ Black Hill Sta 5.22 222 P, TUWZ Tukino 5.35 226 P, GOVZ Chateau Observ 5.38 227 P, MUOZ Moawhango 5.39 224 P, WHVZ Whangape Hut 5.40 222 P, FWVZ Far West T-bar 5.41 227 P, HIZ Huihui 5.42 236 P, TRZ Turoa 5.44 226 P, PMHZ Pukimui 5.51 218 P, VRZ Vera Road 5.81 232 P, DVHZ Dannevirke 5.85 216 P, SNZO South Karori 7.31 218 P, RPZ Rata Peaks 10.91 219 P, RPZ 0.7nm,0.3s,baz=345,slow=19,SNR=3.9, RPZ Sn, DZM Mont Dzumac 18.32 314 LR, DZM Mont Dzumac 18.32 314 eLR, DZM Mont Dzumac 18.32 314 eLR, RAR Rarotonga 22.39 55 LR, TBI Tubuai 28.67 73 eLR, PPT2 Papeete 31.97 64 eLR, PPT2 Papeete 31.97 64 eLR, PPT Papeete 31.98 64 LR, STKA Stephens Creek 32.51 285 P, CTA Charters Tower 33.89 288 P, CTA Charters Tower 33.89 288 eP, PMG Port Moresby 40.11 302 P, RKT Rikitea 40.35 84 LR, ASAR Alice Springs 41.95 273 P, WRAB Wannan Creek 43.41 278 eP, WRA Warramunga Arr 43.42 278 P, TAOE Nuku Hiva Isla 44.59 63 eLR, FITZ Fitzroy Crossi 45.41 275 P, FITZ 3.2nm,0.6s,baz=141,slow=6.1,SNR=5.9, GSPA South Pole Qui 54.48 180 P, BATO Baumata 57.35 282 LR, RPN Rapa Nui 59.29 103 LR, PMS Palmer Station 67.99 155 LR, LEM Lemba 72.24 374 LR, SNAAC Sanae 72.99 179 P, VNA3 Neumayer Olym 73.16 177 P, VNA1 Neumayer-Stat 73.82 177 P, JHJ Huchiyima 2 78.36 326 LR, PLCA Paso Flores 79.79 133 LR, PSI Prapat 84.87 277 LR, ASAJ Asahikawa 86.57 934 LR, LPIG La Paz 88.27 59 LR, YBH Yreka Blue Hor 92.85 39 LR, NNA Nana 93.06 107 LR, CMAR Chiang Mai Arr 94.05 290 LR, MKAR Makanchi Array 120.17 308 PKP, KURK Kurchatov 123.74 312 PKP, KURBB Kurchatov Arra 123.77 311 PKP, ARCES ARCESS Array B 143.41 346 PKP, FINES FINESS Array B 149.56 336 PKPbc, MMAR Merton Arr 151.24 75 PKPbc, BRTR Keskin Array B 153.63 289 PKP, KURK Kurchatov 153.63 289 PKPbc, NB2 NORARSAR Arra 153.69 348 PKPbc, NOA NORARSAR Arra 153.69 348 PKPbc, NOA comp=Z,2.5nm,0.6s,baz=14,slow=4.2,SNR=4.4, HFS Hagfors 154.07 345 PKPbc, HFS comp=Z,1.2nm,0.7s,baz=48,slow=3,SNR=2.3, PUZ Puketiti 3.08 217 P, PUZ comp=Z,3.3nm,0.8s,baz=76,slow=6,SNR=3.3, HAZ Te Kaha 3.10 226 P.

2d 15h

Table with columns: HD, Call Sign, Frequency, Power, and other technical details for stations like Hagfors, Davos/Dischmat, NOA, etc.

CASC 02 15:36:27.0.1.1, 14.49N:89.12W, h6km, 1.1km, ML4.0, mb4.6(NEIC)

ISCJBJ 02 15:36:28.2.0.1, 14.49N:0.02:89.09W:0.02, h10km, mb4.6(176, MS3.5/11, Error ellipse: s-maj=3.1km s-min=2.1km az=159.0)

IDC 02 15:36:28.3.0.8, 14.50N:89.30W, h0km, mb4.3(13, mb1.4/16, mb1mx4.2/46, mbtmp4.2/16, ML5.7/4, MS3.5/12, Ms1.3/12, ms1mx3.3/50, Error ellipse: s-maj=28.5km s-min=14.2km az=159.0)

NEIC 02 15:36:33.6.1.1, 14.58N:89.01W, h25km, 8km, mb4.6(220, Error ellipse: s-maj=4.6km s-min=2.9km az=220.0)

NEIC Felt at Copan, Ojos de Agua, Pena Blanca, Quimistan, San Pedro Sula and Santa Rosa de Copan. Felt [I] at Metapan, El Salvador.

ISC 02 15:36:29.0.1.9, 14.52N:0.05:89.11W:0.05, h1km, 12km, n581, r1490/569, mb4.7/175, MS3.6/11, 2C-1D, Guatemala

Main table of station data with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and other technical details for stations like La Laguna, LFU, LBRS, etc.

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Main table of station data for August 2012 with columns: Call Sign, Frequency, Power, and other technical details for stations like Vicksburg, OTAV, 241A, etc.

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Main table of station data for August 2012 with columns: Call Sign, Frequency, Power, and other technical details for stations like W48A, W49A, W47A, etc.

Table with columns: CHMS, CHMS, TKM2, TKM2, TKM2, DRK, DRK, USP, USP, USP, KST, DGS, DGS, BTK, BTK, MTBS, MTBS, IZV, IZV, TNS5, TNS5, AAA, AAA, MDOK, MDOK, KOTS, KOTS, IUG, IUG, KTB5, KTB5, KUU, KUU, KK31, KK31, CHKK, CHKK, KURS, KURS, KPKS, KPKS, ARXS, ARXS, MNBS, MNBS, PDGK, PDGK, PDGK, KTM5, KTM5, DJR, DJR, KAPS, KAPS, OTUK, OTUK, KURB, KURB, KURK, KURK

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

ISC 02 16:23:49.7+3.3, 1913Sx167.52E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.5/5.0, mbtmp3.6/4, ML3.5/1, MS3.5/1, Ms1 3.5/1, ms1mx2.6/4.4, Error ellipse: s-maj=73.8km s-min=37.3km az=103.0, Vanuatu Islands region

Table with columns: DZM, DZM, AFI, WRA, ASAR, SONM

ISCJB 02 16:36:26.1±0.6, 7.23S:0.05°126.76E:0.08, h350km, mb3.5/5, Error ellipse: s-maj=11.1km s-min=7.0km az=10.7

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

ISCJB 02 16:47:57.9±0.3, 29.67N:0.04°47.84E:0.04, h10km, mb4.1/11, MS3.0/3, Error ellipse: s-maj=5.8km s-min=4.8km az=148.5

ISC 02 16:47:59.0±0.6, 29.69N:0.06°47.85E:0.07, h10km, n61, c154/55, mb4.1/11, MS3.0/3, Eastern Arabian Peninsula

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

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

Table with columns: ALNE, GNI, MNI, GY08, BR10, BR13, BRTR, MANT, IDI, IDI, ABKAR, NIL, KK31, KKAR, ITM, FNA, AKASG, AKKB, KIEV, BVAR, MK01, MK31, MK32, MKAR, MKAR, MNCI, ZAAO, ZALV, ZALV, ZAA1, ARAO, ARCS, TOAO, SPITS

ISC 02 17:00:53.0±0.350, 0.5747N:30.36E, h0km, Error ellipse: s-maj=149.7km s-min=81.0km az=105.0, Baltic States-Belarus-Northwestern Russia

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

ISCJB 02 17:10:21.0±0.9, 9.20S:0.08°111.28E:0.05, h55km, mb3.5/5, Error ellipse: s-maj=11.5km s-min=5.3km az=22.4

DJA 02 17:10:20.1±0.7, 9°S:4°11'E, h12km, 4km, M3.9/10, ML3.9/10

ISC 02 17:10:24.0±3.8, 8°06'S:111°54'E, h71km, 44km, mb3.2/5, mb1 3.3/6, mb1mx3.1/5.9, mbtmp3.5/6, ML3.5/1, Error ellipse: s-maj=85.4km s-min=15.9km az=44.0

ISC 02 17:10:21.8±1.1, 9.15S:0.1°111.28E:0.05, h55km, n14, c199/20, mb3.5/5, South of Java

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

ISC 02 17:22:24.9±2.8, 6.96S:129.63E, h76km, 57km, mb3.8/1, mb1 3.6/5, mb1mx3.2/5.0, mbtmp3.7/5, ML3.5/4, Error ellipse: s-maj=95.1km s-min=28.1km az=103.0, Banda Sea

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

ISC 02 17:36:22.2±5.1, 16.86S:175.41W, h259km, 117km, mb3.7/5, mb3 3.8/6, mb1mx3.3/5.5, mbtmp4.3/6, Error ellipse: s-maj=132.1km s-min=95.4km az=111.0, Tonga Islands

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

TRN 02 17:42:42.5, 18°59'N:64°57'W, h49km, ISCJB 02 17:42:43.0±0.3, 18°57'N:64°55'W:0.02, h62km, 3km, mb4.0/7, Error ellipse: s-maj=6.3km s-min=2.5km az=12.4

After RSPR. NEIC Feit (IV) on Saint Thomas, (III) on Saint John and Tortola and (II) on Saint Croix. Also felt at Bayamon, Puerto Rico. IDC 02 17:42:45.2±1.4, 18.47N-64.48W, h70km, 15km, mb3.7/7, mb1 3.9/9, mb1mx3.4/59, mbmtmp4.0/9, Error ellipse: s-maj=19.4km s-min=8.0km az=21.0

RSPR 02 17:42:45.2, 18.62N-64.59W, h49km, 1km, MD4.0/15, ISC 02 17:42:43.6±0.7, 18.59N-64.56W±0.02, h54km±5km, n103, 0.95/148, mb4.3/17, 33C-20D, Virgin Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: SOTA, Rioblanco, 20.18 217 eP, Pn, 17 47 21.5 +4.8. Lists station data for SOTA and Rioblanco.

ISC/JB 02 17:47:35.8±0.5, 44.47S-78.01W±0.1, h10km, mb4.3/14, MS3.7/5, Error ellipse: s-maj=15.1km s-min=10.1km az=16.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: PNCL, Messejana, 4.95 82 eP, S, 17 59 53.7 -1.0. Lists station data for PNCL and Messejana.

ISC/JB 02 18:00:24.3±1.1, 33.69N-75.35E, h0km, mb3.8/9, mb1 3.9/12, mb1mx3.6/68, mbmtmp3.8/12, ML3.4/3, MS3.3/2, Ms1 3.3/2, ms1mx2.5/63, Error ellipse: s-maj=35.4km s-min=16.0km az=55.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

MAN 02 17:54:05.3±5.53N-127.07E, h83km, mb4.9, ML3.8, MS3.8, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

INMG 02 17:57:45.5±2.0, 37.02N-115.32W, h10km, ML2.6, Error ellipse: s-maj=19.0km s-min=13.0km az=66.0

SFS 02 17:57:47.0±0.37-35N-14.50W, ML4.4, AZORES CABO DE SAN VICENTE

IGIL 02 17:57:48.6±3.7-36N-14.56W, h0km, ML2.0

MDD 02 17:57:49.1±1.5, 37.36N-14.47W, h0km, mb4.4/8, Error ellipse: s-maj=16.0km s-min=13.7km az=141.0, PRXIMO

ISC 02 17:57:48.4±1.9, 37.34N-14.42W±0.09, h10km, n55, 0.173/94, Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

ICD 02 18:00:24.3±1.1, 33.69N-75.35E, h0km, mb3.8/9, mb1 3.9/12, mb1mx3.6/68, mbmtmp3.8/12, ML3.4/3, MS3.3/2, Ms1 3.3/2, ms1mx2.5/63, Error ellipse: s-maj=35.4km s-min=16.0km az=55.0

ISC/JB 02 18:00:26.0±0.5, 33.80N-75.50E±0.09, h22km, mb3.7/8, MS3.1/2, Error ellipse: s-maj=11.9km s-min=5.4km az=148.9

NDI 02 18:00:25.9±2.2, 33.72N-74.75E, h15km, 266km, ML3.5

NEIC 02 18:00:26.0±0.5, 33.73N-75.45E, h10km, mb4.1/2, Error ellipse: s-maj=12.5km s-min=9.9km az=58.0

NNC 02 18:00:34.1±5.7, 33.85N-73.41E, h0km, mb4.0, mpv4.0, Error ellipse: s-maj=104.3km s-min=31.8km az=104.0

ISC 02 18:00:27.9±0.6, 33.70N-75.05E±0.08, h22km, n32, 0.24/35, mb3.7/8, 2C-5D, Eastern Kashmir

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data for the event.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JOSI, BHGR, KHET, SFK, MNAS, KOLN, KK31, etc.

IDD 02 18:02:30.4.1.2, 3*23N.92.93E, h0km, mb3.8/9, mb1.4/0.12, mb1mx3.7/7.0, mbtmp3.9/12, ML4.1/3, MS3.2/6, Ms1.3/2.6, ms1mx2.8/7.1, Error ellipse: s-maj=39.1km s-min=17.6km az=46.0

NEIC 02 18:02:31.5.4.5, 3.15N.92.85E, h9km, 30km, mb4.7/2, Error ellipse: s-maj=19.0km s-min=8.7km az=210.0

ISCJB 02 18:02:33.8.0.6, 3.23N.0.07.93.12E.0.05, h33km, mb4.0/1.1, MS3.3/4, Error ellipse: s-maj=10.3km s-min=5.0km az=28.0

DJA 02 18:02:38.6.0.7, 3.14N.9.3E, h10km, M4.6/1.0, MB5.3/2, mb4.7/7.7, MLV4.6/0.6, Mw(mb)4.7/2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BSI, MLSI, LHMI, KCSI, GSI, etc.

KRNET 02 18:12:41.6.0.1, 42.72N.71.78E, h12km, mb2.5 NNC 02 18:12:41.2.0.8, 42.80N.71.77E, h0km, mb2.8, mpv2.3, Error ellipse: s-maj=9.6km s-min=4.7km az=21.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MNAS, ARK, ARK, KK31, etc.

MDD 02 18:39:12.1.2.6, 37.32N.14.60W, h0km, mb4.0/1, Error ellipse: s-maj=27.8km s-min=23.3km az=173.0, PRXIMO INMG 02 18:39:14.4.0.5, 36.96N.14.90W, h10km, ML2.4, Error ellipse: s-maj=9.3km s-min=4.6km az=155.0

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

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

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

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

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

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

ISCJB 02 18:55:41.3.0.5, 7.17S.0.04.129.55E.0.07, h139km, mb3.8/7, Error ellipse: s-maj=9.9km s-min=5.2km az=16.3

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

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

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

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

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

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

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

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

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

2d 20h

Table of station data for the 2d 20h period, including call signs, frequencies, and coordinates.

2012 AUG

Main table of station data for August 2012, including call signs, frequencies, and coordinates.

78

Table of station data for the 78th period, including call signs, frequencies, and coordinates.

2012 AUG

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like IGT Igoumenitsa, VIT Vitineika, SGD Saglada, etc.

ISC/JB 02 21:55:50.0, 0.4, 41.99N, 0.02-42.78E, 0.03, h2km, 5km, Error ellipse: s-maj=4.2km s-min=2.8km az=41.8

TIF 02 21:55:50.7, 42.00N, 42.78E, h2km NORS 02 21:55:50.0, 0.4, 41.99N, 0.02-42.78E, h2km MGS 02 21:55:52.7, 0.0, 41.99N, 0.02-42.78E, h2km, MPVA2.9 DDA 02 21:55:52.8, 41.84N, 42.78E, h7km, ML2.7

ISC 02 21:55:52.4, 41.84N, 42.73E, h16km, ML2.0/5

ISC 02 21:55:50.9, 1.1, 41.95N, 0.02-42.81E, 0.02, h8km, 10km, n31, c050/57, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like EPOS Posof, AKH Akhalkalaki, ONI Oni, etc.

MEX 02 22:12:05.3, 0.9, 19.29N, 104.22W, h20km, 15km, MD3.4, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like R15V R15V, EZSV EZSV, CJM Chamela, etc.

IDC 02 22:13:14.8, 0.6, 24.99N, 109.66W, h0km, mb4, 4/11, mb1 4.7/15, mb1mx4.3/56, mbtmp4.5/15, ML4.0/4, MS4.1/40,

Mes 1.4/1.40, ms1mx4.0/56, Error ellipse: s-maj=18.6km s-min=9.2km az=113.0 IS/CJB 02 22:13:17.0, 0.3, 25.10N, 0.03-109.31W, 0.02, h10km, mb4.9/12M, MS4.1/35, Error ellipse: s-maj=4.3km s-min=1.7km az=24.8 MEX 02 22:13:17.4, 0.5, 25.07N, 109.64W, h16km, 18km, MD4.6 GCMT 02 22:13:18.6, 0.3, 25.10N, 0.01-109.61W, 0.02, h21km, 1km, MV5.0/104, Moment Tensor Solution, s46, c53; s104, c154; Duration: 0 Moment tensor: Scale 10^16Nm; Mw=0.43z=13; Mm=3.75z=11; M0=4.19z=12; M0=0.80z=19; Mm=0.55z=09; Mm=0.74z=19; Best double couple: Mw=1.6500x10^16 Np=1.43100000, 898.0000, lambda=165.00000, NP2=41.00000, 875.00000, lambda=2.00000; Principal axes: T 4.3600, P1g10.0000, Azm265.0000; N -0.4050, P1g74.0000, Azm138.0000; P -3.9490, P1g12.0000, Azm357.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function NEIC 02 22:13:18.6, 0.4, 25.00N, 109.39W, h10km, mb4.8/206 Error ellipse: s-maj=6.3km s-min=3.0km az=210.0 NEIC Fell at Los Mochis, Sinaloa. ISC 02 22:13:16.8, 0.4, 25.02N, 109.62W, 0.05, h10km, n824, c1991/774, mb5.0/124, MS4.1/35, Gulf of California

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like LP1G La Paz, LP1G La Paz, LP1G La Paz, etc.

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like MVCO Mesa Verde, EDW2 Edwards Air Fo, BLG Laguarda Peak, P, SHOC Shoshone, Teco, etc.

PNTR	Pine Nut 155nm, 1.1s	16.36 331	ePn	P	22 17 11.1 +1.4
SPUT	South Promonto 59nm, 1.2s	16.41 352	ePn	P	22 17 09.8 -0.4
X39A	Fountain Ranch baz=238, SNR=18	16.44 51	P	Pn	22 17 07.1 -0.5
141A	Papa Simpson, baz=246	16.47 59	P	Pn	22 17 07.1 -0.9
342A	Flagon Creek P 23nm, 1.3s	16.50 64	ePn	P	22 17 10.9 -0.1
342A	Flagon Creek P baz=251, SNR=8.4	16.50 64	P	Pn	22 17 06.4 -2.0
VCNR	Virginia City 93nm, 1.2s	16.56 332	ePn	P	22 17 13.5 +1.7
PHWY	Pilot Hill 53nm, 1.4s	16.60 11	ePn	P	22 17 14.3 +1.8
HWUT	Hardward Ranch 107nm, 1.3s	16.62 355	ePn	P	22 17 12.1 -0.5
BMN	Battle Mountai 61nm, 1.1s	16.63 339	ePn	P	22 17 13.2 +0.5
RWWY	Rawlins 53nm, 0.9s	16.75 6	ePn	P	22 17 14.3 +0.3
PAHR	Pah Rah Range 48nm, 1.2s	16.79 333	ePn	P	22 17 15.6 +1.2
Y40A	Okolona baz=242, SNR=14	16.79 54	P	Pn	22 17 09.8 -2.3
Z41A	Richland Creek 48nm, 0.9s	16.82 57	ePn	P	22 17 15.9 +1.4
Z41A	Richland Creek baz=245	16.82 57	P	Pn	22 17 10.2 -2.2
MIAR	Mount Ida 26nm, 1.0s	16.84 52	ePn	P	22 17 14.2 -0.5
MIAR	Mount Ida baz=239, SNR=11	16.84 52	P	Pn	22 17 10.7 -2.0
242A	Grayson baz=249	16.86 61	P	Pn	22 17 11.2 -1.9
AFDM	Forest Hills D 112nm, 1.9s	16.88 328	ePn	P	22 17 18.1 +2.8
HVU	Hansel Valley 25nm, 1.0s	16.92 352	ePn	P	22 17 16.7 +0.8
W39A	Magazine 40nm, 1.1s	17.03 50	ePn	Pn	22 17 14.0 -1.1
W39A	Magazine baz=237	17.03 50	P	Pn	22 17 13.8 -1.2
OGNE	Ogallala 66nm, 1.1s	17.10 20	ePn	Pn	22 17 16.6 +0.6
OGNE	Ogallala baz=203	17.10 20	P	Pn	22 17 15.1 -0.8
142A	Monroe baz=248	17.20 60	P	Pn	22 17 15.4 -1.8
Y41A	Eaglette Beard baz=243, SNR=8.0	17.23 55	P	Pn	22 17 14.9 -2.7
BEKR	Beckworth 74nm, 1.2s	17.34 331	ePn	P	22 17 22.9 +2.4
X40A	Basin Creek Fa 159nm, 1.8s	17.34 53	ePn	Pn	22 17 18.9 -0.1
X40A	Basin Creek Fa baz=241, SNR=6.3	17.34 53	P	Pn	22 17 17.3 -1.7
V39A	Pettigrew baz=236, SNR=10	17.47 48	P	Pn	22 17 17.9 -2.8
Z42A	Norrel Spur, H baz=246	17.48 58	P	Pn	22 17 18.9 -1.7
W40A	Ferguson Farm, 105nm, 1.1s	17.52 51	ePn	Pn	22 17 21.4 +0.2
W40A	Ferguson Farm, baz=238	17.52 51	P	Pn	22 17 19.4 -1.8
HHAR	Hobbs 21nm, 0.9s	17.52 46	ePn	Pn	22 17 20.6 -0.7
X41A	Kaden, Bauxite baz=242	17.58 54	P	Pn	22 17 19.8 -2.1
444A	Pine Grove baz=255	17.62 67	P	Pn	22 17 19.7 -2.7
143A	Socs Landing, 200nm, 1.3s	17.68 60	ePn	Pn	22 17 23.0 -0.2
143A	Socs Landing, baz=248	17.68 60	P	Pn	22 17 20.9 -2.3
BW06	Boulder Array baz=180, SNR=16	17.70 0	P	Pn	22 17 23.3 -0.4
PD31	Pinedale Array 17.70 0	17.70 0	ePn	Pn	22 17 24.4 -0.1
PDAR	Pinedale Array 0.4nm, 0.3s, baz=163, slow=1.1, SNR=96	17.70 0	Lg	P	22 17 23.7 +0.1
PDAR	0.1nm, 0.3s, baz=189, slow=2.2, SNR=3.6	22 22 40	Lg	P	22 22 40.5
PDAR	comp=Z, 967nm, 19.8s, baz=194, slow=38	22 24 20.5	LR	P	22 24 20.5
PDAR	Pinedale Array 17.70 0	17.70 0	ePn	Pn	22 17 23.2 -0.4
AHID	Auburn Hatcher 77nm, 1.4s	17.74 356	ePn	P	22 17 25.6 +0.7
T38A	Diamond baz=231, SNR=12	17.75 44	P	Pn	22 17 21.4 -2.6
K22A	Casper 71nm, 1.3s	17.77 8	ePn	P	22 17 25.8 +0.5
K22A	Casper baz=188	17.77 8	P	Pn	22 17 23.6 -0.9
KSU1	Kansas State U baz=221	17.82 35	P	Pn	22 17 23.1 -1.8
344A	Westbrook Farm 110nm, 0.9s	17.82 65	ePn	Pn	22 17 25.3 +0.3
344A	Westbrook Farm baz=253, SNR=5.9	17.82 65	P	Pn	22 17 22.8 -2.2
Y42A	Garnett, Star baz=245	17.83 56	P	Pn	22 17 22.6 -2.4
UALR	University of 34nm, 1.0s	17.84 53	ePn	P	22 17 27.1 +1.3
U39A	Green Forest baz=235, SNR=11	17.89 47	P	Pn	22 17 23.6 -2.2
445A	Amite baz=256	17.96 67	P	Pn	22 17 23.9 -2.8
Z43A	Armstrong Fami baz=247	17.99 59	P	Pn	22 17 25.1 -1.9
V40A	Witts Springs 32nm, 0.9s	18.01 49	ePn	Pn	22 17 26.2 -1.2
V40A	Witts Springs baz=237, SNR=10	18.01 49	P	Pn	22 17 25.3 -2.0
244A	Avery, Jackson baz=252	18.04 63	P	Pn	22 17 24.2 -3.4
W41B	Gary Mavity, V 38nm, 0.9s	18.09 52	ePn	Pn	22 17 27.7 -0.6
W41B	Gary Mavity, V baz=240, SNR=6.6	18.09 52	P	Pn	22 17 26.3 -2.0
VBMS	Wicksburg baz=251	18.23 62	P	Pn	22 17 27.8 -2.2
X42A	Stuttgart baz=243	18.26 54	P	Pn	22 17 28.7 -1.6
U40A	Yellville baz=236, SNR=12	18.29 48	P	Pn	22 17 29.0 -1.7
T39A	Cleaver baz=233, SNR=14	18.32 45	P	Pn	22 17 29.6 -1.6
REDW	Red Top Meadow 48nm, 1.2s	18.33 357	ePn	P	22 17 32.5 +1.1
O03D	Paynes Creek 18.33 329	18.33 329	ePn	P	22 17 34.9 +3.5
O03D	Paynes Creek baz=142, SNR=8.8	18.33 329	P	P	22 17 34.1 +2.7
S38A	Stockton baz=231, SNR=8.5	18.36 43	P	Pn	22 17 29.9 -1.6
345A	Thompson Farm, baz=254	18.36 66	P	Pn	22 17 29.5 -2.1
546A	Sildell baz=258	18.38 69	P	Pn	22 17 29.8 -2.0
SNOW	Snow King Moun 42nm, 0.9s	18.42 357	ePn	P	22 17 33.9 +1.4
144A	Alexander Plac baz=250	18.43 61	P	P	22 17 30.0 -2.4
TPAW	Teton Pass 31nm, 1.0s	18.46 357	ePn	P	22 17 33.4 +0.5
V41A	Mountainview baz=239, SNR=5.5	18.47 50	P	P	22 17 30.8 -2.0
Y43A	Makayla and Ka baz=246	18.51 57	P	P	22 17 30.9 -2.4
LOHW	Long Hollow 19nm, 0.8s	18.57 358	ePn	Pn	22 17 35.3 +1.0
FKWY	Fox Creek 33nm, 1.1s	18.61 357	ePn	P	22 17 35.8 +1.0
Z44A	Pea Ridge, Bel baz=248	18.65 59	P	P	22 17 33.1 -1.7
W42A	Bald Knob baz=241	18.66 53	P	P	22 17 33.3 -1.7
245A	Little AP, Sta baz=253	18.67 64	P	P	22 17 33.4 -1.6
MOOW	Moose Ponds 15nm, 0.9s	18.71 357	ePn	Pn	22 17 37.1 +1.2
R38A	Fenwick Farm, baz=229, SNR=15	18.71 42	P	P	22 17 34.0 -1.4
O02D	Mt. Diablo Mer baz=140	18.71 327	P	Pn	22 17 37.7 +1.8
KCPM	Canto Peak 60nm, 1.1s	18.75 325	ePn	Pn	22 17 44.4 +7.9
S39A	Bolivar 26nm, 0.8s	18.76 44	ePn	P	22 17 35.0 -1.0
S39A	Bolivar baz=232, SNR=30	18.76 44	P	P	22 17 35.0 -1.0
446A	Poplarville baz=257	18.79 68	P	P	22 17 34.3 -2.1
X43A	Marvell 95nm, 1.1s	18.80 55	ePn	Pn	22 17 38.6 +1.8
X43A	Marvell baz=254	18.80 55	P	P	22 17 34.3 -2.1
145A	Houston Renfro baz=251	18.82 62	P	P	22 17 34.8 -1.9
Q37A	Longview Farm, baz=247, SNR=10	18.84 39	P	P	22 17 36.3 -0.6
346A	Big Creek Wild 313nm, 1.5s	18.85 66	ePn	Pn	22 17 38.5 +1.0
346A	Big Creek Wild baz=249	18.85 66	P	Pn	22 17 35.2 -1.8
IMW	Indian Meadow 38nm, 1.0s	18.86 357	ePn	P	22 17 40.1 +2.2
WVOR	Wild Horse Val 86nm, 1.6s	18.90 339	ePn	Pn	22 17 40.8 +2.6
WVOR	Whiskeytown Da 30nm, 1.3s	18.91 328	ePn	Sn	22 21 07.5 -2.3
WDC	Whiskeytown Da 30nm, 1.3s	18.91 328	ePn	P	22 17 45.7 +7.5
HLID	Hailey 24nm, 1.0s	18.91 349	ePn	Pn	22 17 39.9 +1.5
HLID	Hailey baz=166, SNR=23	18.91 349	P	Pn	22 17 39.2 +0.9
U41A	Viola baz=238	18.92 49	P	P	22 17 36.0 -1.7
BGNE	Belgrade 150nm, 1.0s	18.92 27	ePn	Pn	22 17 39.4 +1.0
BGNE	Belgrade baz=213, SNR=7.1	18.92 27	P	P	22 17 38.1 +0.3
V42A	Cord baz=240, SNR=15	19.02 51	P	P	22 17 37.7 -1.0
MOD	Modoc Plateau 39nm, 1.0s	19.02 335	ePn	Pn	22 17 41.9 +2.1
FLWY	Flagg Ranch 60nm, 1.0s	19.04 358	ePn	Pn	22 17 42.0 +2.0
MFWD	Camas Ranch 61nm, 1.5s	19.04 346	ePn	Pn	22 17 41.4 +1.5
MFJD	Strider, Charl baz=244	19.08 58	P	S	22 21 27.6 +1.2
Y44A	Forest City baz=243	19.17 54	P	P	22 17 38.7 -0.8
W43A	Forest City baz=243	19.17 54	P	P	22 17 39.7 -0.9
KMRM	Mail Ridge baz=243	19.21 326	ePn	Pn	22 17 47.9 +5.9
S40A	Lebanon baz=234, SNR=45	19.23 45	P	P	22 17 41.1 -0.1
YPP	Pitchstone Pla 21nm, 1.1s	19.23 357	ePn	Pn	22 17 44.6 +2.3
Z45A	Winona 174nm, 1.1s	19.26 60	ePn	Pn	22 17 42.9 +0.3
Z45A	Winona baz=249	19.26 60	P	Pn	22 17 40.8 -0.8
246A	Jackson Lee, B baz=231, SNR=31	19.29 64	P	P	22 17 40.7 -1.2
R39A	Chumby, Stover baz=231, SNR=31	19.32 43	P	P	22 17 41.7 -0.4
X44A	Crenshaw baz=228, SNR=14	19.34 56	P	P	22 17 41.5 -0.8
Q38A	Cooks Store, C baz=228, SNR=14	19.39 40	P	P	22 17 42.8 0.0
447A	Lucedale baz=225	19.39 68	P	P	22 17 41.6 -1.3
P37A	Lathrop baz=225, SNR=6.4	19.39 38	P	P	22 17 43.2 +0.3
U42A	Reverden baz=239, SNR=17	19.39 50	P	P	22 17 42.2 -0.7
T41A	Mountain View baz=236, SNR=11	19.40 48	P	P	22 17 42.3 -0.7
YFT	Old Faithful 26nm, 0.9s	19.41 357	ePn	Pn	22 17 48.1 +3.6
146A	Union 53nm, 1.9s	19.53 62	ePn	Pn	22 17 45.7 0.0
146A	Union baz=252	19.53 62	P	P	22 17 43.7 -0.8
M04C	Macdoel baz=144, SNR=40	19.55 332	P	Pn	22 17 48.2 +2.1
Y45A	Yeager Farm, C baz=248	19.56 59	P	P	22 17 44.1 -0.7
RSSD	Black Hills 13nm, 0.8s	19.59 12	ePn	P	22 17 45.8 +0.5
RSSD	Black Hills baz=195	19.59 12	P	P	22 17 45.3 0.0
V43A	Jonesboro 19.61 52	19.61 52	P	P	22 17 44.5 -0.7
347A	Sandwich baz=256	19.62 66	P	P	22 17 44.6 -0.9
J08A	Circle Bar Ran 53nm, 0.8s	19.68 341	ePn	Pn	22 17 49.0 +1.4
KHMM	Horse Mountain 65nm, 1.1s	19.71 327	ePn	Pn	22 17 52.0 +4.0
S41A	Jillico Farms, baz=235, SNR=14	19.71 46	P	P	22 17 46.6 +0.1
247A	Quitman baz=254, SNR=6.8	19.73 64	P	P	22 17 46.8 +0.2
YHB	Horse Butte 28nm, 1.0s	19.73 357	ePn	Pn	22 17 51.6 +3.4
R40A	Maddies Statio 21nm, 0.7s	19.79 44	ePn	P	22 17 47.6 +0.4
R40A	Maddies Statio baz=232, SNR=15	19.79 44	P	P	22 17 46.8 -0.4
Z46A	Louisville baz=251	19.80 61	P	P	22 17 46.9 -0.4
Q39A	Willow Grove F baz=229, SNR=16	19.82 41	P	P	22 17 48.1 +0.5
QLMT	Earthquake Lak 16nm, 0.9s	19.82 356	ePn	Pn	22 17 51.0 +1.7
T42A	Van Buren 16nm, 0.9s	19.84 49	ePn	P	22 17 48.0 +0.2
T42A	Van Buren baz=238	19.84 49	P	Pn	22 17 47.4 -0.5
P38A	Dawn 27nm, 0.8s	19.88 39	ePn	Pn	22 17 51.0 +1.2
P38A	Dawn baz=227	19.88 39	P	P	22 17 47.8 -0.4
X45A	UM Field Stati baz=247	19.88 57	P	P	22 17 47.7 -0.6
YBH	Yreka Blue Hor comp=Z, 321nm, 18.5s,				

WVT	Waverly	84nm,0.9s	21.73	54	P	P	22 18 07.8	-0.5
O41A	Passleys Farm,	baz=245	21.75	42	P	P	22 18 08.8	+0.3
I03D	Drain, OR	baz=23,SNR=12	21.75	332	P	P	22 18 11.2	+2.8
P42A	Winchester	baz=144,SNR=7.1	21.76	43	eP	P	22 18 09.1	+0.5
P42A	Winchester	baz=233,SNR=7.7	21.76	43	P	P	22 18 08.2	-0.4
F10A	Beach Ranch, E	38nm,0.9s	21.79	346	eP	P	22 18 10.1	+1.2
LAO	LASA Array	baz=188	21.79	6	P	P	22 18 09.9	+1.0
Q43A	New Douglas	baz=236	21.80	46	P	P	22 18 07.9	-1.2
451A	Vernon	baz=261	21.82	70	P	P	22 18 07.3	-2.0
N40A	Mertquake, Sal	baz=228,SNR=14	21.83	39	P	P	22 18 09.3	+0.1
R44A	Watsonville	baz=233	21.84	48	P	P	22 18 08.9	-0.6
V47A	Nunnelly	baz=246,SNR=7.7	21.84	55	P	P	22 18 08.3	-1.2
M39A	Webster	baz=225,SNR=9.3	21.89	37	P	P	22 18 09.6	-0.4
S45A	Carrier Mills	baz=240	21.90	50	P	P	22 18 09.4	-0.6
L38A	Oak Wood Farm,	baz=224,SNR=8.2	21.94	35	P	P	22 18 10.8	+0.3
150A	Eclectic	baz=256,SNR=28	21.99	64	P	P	22 18 10.7	-0.3
Y49A	Blount Mountai	46nm,1.0s	22.01	61	eP	P	22 18 11.0	-0.3
Y49A	Blount Mountai	baz=252,SNR=13	22.01	61	P	P	22 18 10.7	-0.7
W48A	Pulaski	baz=248	22.02	57	P	P	22 18 10.5	-1.0
G06A	Carlson Farm,	22nm,1.0s	22.05	339	eP	P	22 18 14.4	+2.8
351A	Pinckard	baz=259	22.05	68	P	P	22 18 10.9	-0.8
K37A	Belmond	baz=221	22.05	33	P	P	22 18 12.2	+0.5
T46A	Princeton	baz=243,SNR=36	22.08	52	P	P	22 18 12.2	+0.1
H04A	Detroit Lake	65nm,1.1s	22.11	336	eP	P	22 18 16.3	+3.9
N41A	Harden Midland	100nm,1.0s	22.14	40	eP	P	22 18 16.4	+3.8
N41A	Harden Midland	baz=230	22.14	40	P	P	22 18 12.3	-0.3
552A	Lynn Haven	baz=262	22.14	71	P	P	22 18 12.3	-0.4
J36A	Seneca 1, Swea	94nm,1.4s	22.15	31	eP	P	22 18 14.1	+1.4
J36A	Seneca 1, Swea	baz=219	22.15	31	P	P	22 18 12.6	-0.1
H04D	Lebanon	baz=147	22.19	335	P	P	22 18 15.6	+2.5
M40A	Post Highland	baz=223	22.21	38	P	P	22 18 12.9	-0.4
Q44A	Meyer Farm, Va	baz=237,SNR=6.5	22.23	47	P	P	22 18 13.0	-0.6
Z50A	Ashland	109nm,1.0s	22.23	63	eP	P	22 18 13.3	-0.4
Z50A	Ashland	baz=254,SNR=56	22.23	63	P	P	22 18 13.3	-0.4
U47A	Clarksville	baz=245,SNR=12	22.26	54	P	P	22 18 13.5	-0.4
X49A	Woodville	baz=251,SNR=21	22.28	59	P	P	22 18 13.2	-1.0
G05D	Wamic, OR	baz=151	22.28	338	P	P	22 18 15.9	+1.8
O42A	Bath	baz=233	22.29	42	P	P	22 18 13.5	-0.7
I02D	Swisshome	baz=144	22.30	332	P	P	22 18 16.0	+1.8
P43A	Skaggs, Pawnee	baz=233	22.31	44	P	P	22 18 13.6	-0.9
V48A	Smith Brothers	27nm,1.1s	22.33	56	eP	P	22 18 14.1	-0.7
V48A	Smith Brothers	baz=247	22.33	56	P	P	22 18 13.5	-1.3
452A	Marianna	baz=261	22.34	69	P	P	22 18 14.2	-0.6
251A	Midway	baz=258,SNR=17	22.38	66	P	P	22 18 14.3	-0.9
K38A	Parkersburg	49nm,0.9s	22.40	34	eP	P	22 18 17.5	+2.1
K38A	Parkersburg	baz=223	22.40	34	P	P	22 18 14.7	-0.7
R45A	Skylar, Fairfri	baz=240,SNR=0	22.41	49	P	P	22 18 15.3	-0.2
F07A	Phinny Hill Vi	33nm,0.9s	22.42	341	eP	P	22 18 18.4	+2.8
L39A	Vinton	baz=225,SNR=11	22.43	36	P	P	22 18 15.1	-0.6
COR	Corvallis	65nm,1.0s	22.46	334	eP	P	22 18 22.9	+6.8
J37A	Redenius Farm,	baz=220,SNR=11	22.50	32	P	P	22 18 16.4	-0.1
S46A	Don Dixon Farm	baz=242	22.50	51	P	P	22 18 16.0	-0.6
E09A	Wood Farm, Sta	W49A	22.51	344	eP	P	22 18 16.5	0.0
W49A	Belvidere	baz=249,SNR=9.7	22.53	58	P	P	22 18 16.0	-0.9
151A	Opelika	baz=256,SNR=18	22.54	65	P	P	22 18 15.8	-1.2
Y50A	Piedmont	baz=253,SNR=10	22.56	61	P	P	22 18 16.3	-0.9
T47A	Sharon Grove	57nm,1.1s	22.63	53	eP	P	22 18 17.8	-0.1
T47A	Sharon Grove	baz=244	22.63	53	P	P	22 18 16.7	-1.2
352A	Blakely	154nm,1.4s	22.66	68	eP	P	22 18 22.8	+4.5
352A	Blakely	baz=259	22.66	68	P	P	22 18 17.2	-1.1
N42A	Yates City	baz=232,SNR=8.8	22.70	41	P	P	22 18 18.0	-0.6
E08A	Dider Farm, EI	16nm,0.9s	22.72	343	eP	P	22 18 24.6	+5.8
M41A	Milan	baz=230	22.74	40	P	P	22 18 17.9	-1.2
OLIL	Olney	77nm,1.1s	22.75	48	eP	P	22 18 21.2	+2.1
HAWA	Hanford	52nm,1.0s	22.76	342	eP	P	22 18 21.0	+1.8
HAWA	Sand Creek, Wi	baz=236,SNR=6.0	22.79	46	eS	S	22 18 28.9	+1.0
P44A	Warren Harvey,	baz=236	22.80	47	P	P	22 18 18.7	-0.9
X50B	Fort Payne	baz=252,SNR=18	22.80	60	P	P	22 18 18.6	-1.1
L40A	Anamosa	81nm,0.8s	22.81	37	eP	P	22 18 21.3	+1.5
L40A	Anamosa	baz=227,SNR=18	22.81	37	P	P	22 18 18.7	-1.1
SWET	Sewanee	38nm,1.0s	22.82	58	eP	P	22 18 19.9	-0.1
I36A	Fitzsimmons Fa	baz=218	22.83	30	P	P	22 18 19.5	-0.5
U48A	Cassie Pea, Po	baz=246,SNR=6.2	22.84	54	P	P	22 18 18.6	-1.5
553A	Crawfordville	baz=263	22.89	71	P	P	22 18 19.4	-1.3
R46A	Gibon Southern	baz=241,SNR=6.0	22.89	50	P	P	22 18 19.1	-1.6
F05D	White Salmon	baz=151	22.90	338	P	P	22 18 22.8	+2.2
K39A	Delwein	baz=225	22.90	35	P	P	22 18 20.0	-0.7
EGMT	Eagleton	46nm,1.0s	22.96	360	eP	P	22 18 22.0	+0.6
EGMT	Eagleton	baz=179,SNR=8.2	22.96	360	P	P	22 18 21.5	+0.2
G03D	McMinnville, O	baz=146	22.97	335	P	P	22 18 23.2	+1.8
JTMT	Jette	13nm,0.9s	22.98	352	eP	P	22 18 22.7	+1.1
HDIL	Hopedale	baz=233	22.98	43	P	P	22 18 21.5	-0.1
HDIL	Hopedale	baz=233	22.98	43	P	P	22 18 20.6	-1.0
H35A	Sunnyside Ranc	baz=216	23.01	28	P	P	22 18 21.7	-0.1

V49A	McMinnville	23.04	57	P	P	22 18 20.9	-1.3	
J38A	Wedel Dairy, R	baz=248,SNR=24	23.04	33	P	P	22 18 21.5	-0.6
S47A	Hardford	baz=222	23.05	52	P	P	22 18 21.8	-0.6
152A	Waverly Hall	baz=243	23.07	65	eP	P	22 18 22.0	-0.6
152A	Waverly Hall	321nm,1.8s	23.07	65	P	P	22 18 20.9	-1.7
453A	Whigham	baz=237,SNR=22	23.07	70	eP	P	22 18 23.1	+0.6
453A	Whigham	74nm,1.0s	23.07	70	P	P	22 18 21.8	-0.7
Y51A	Rockmark	baz=254,SNR=25	23.10	62	P	P	22 18 21.7	-1.2
I37A	Lemond, Waseca	54nm,0.8s	23.11	31	eP	P	22 18 26.9	+4.0
I37A	Lemond, Waseca	baz=220	23.11	31	P	P	22 18 22.9	+0.1
T48A	Bowling Green	baz=245,SNR=9.4	23.19	53	P	P	22 18 22.7	-1.1
D08A	Wolman Farm,	22nm,1.1s	23.21	344	eP	P	22 18 24.8	+0.9
L41A	Preston	baz=228,SNR=5.6	23.22	38	P	P	22 18 22.6	-1.4
353A	Camilla	baz=235	23.23	68	P	P	22 18 23.0	-1.2
M42A	Sheffield	baz=231	23.25	40	P	P	22 18 23.6	-0.7
O44A	Mansfield	baz=231	23.27	44	P	P	22 18 23.4	-1.1
N43A	Stutzman Famil	baz=233	23.28	42	P	P	22 18 23.9	-0.8
K40A	Colesburg	baz=226,SNR=8.7	23.29	36	P	P	22 18 25.0	+0.3
W50A	Signal Mountai	65nm,1.1s	23.29	58	eP	P	22 18 24.0	-0.9
W50A	Signal Mountai	baz=250,SNR=18	23.29	58	P	P	22 18 23.7	-1.2
H36A	Jessenland, He	baz=218	23.31	29	P	P	22 18 25.0	+0.1
Q46A	CEJHS Indians,	baz=239	23.40	48	P	P	22 18 24.9	-0.9
P45A	Graceland, Par	42nm,1.0s	23.40	47	eP	P	22 18 25.6	-0.2
P45A	Graceland, Par	baz=238	23.40	47	P	P	22 18 25.0	-0.8
U49A	Red Boiling Sp	baz=217,SNR=7.7	23.41	55	P	P	22 18 25.1	-0.8
253A	Americus	93nm,1.1s	23.43	67	eP	P	22 18 26.4	+0.1
253A	Americus	baz=259	23.43	67	P	P	22 18 25.2	-1.1
Z52A	Williamson	baz=256,SNR=15	23.44	64	P	P	22 18 25.1	-1.1
J39A	Decorah	baz=224	23.44	34	P	P	22 18 25.6	-0.6
X51A	Calhoun	57nm,0.8s	23.45	60	eP	P	22 18 26.2	-0.2
X51A	Calhoun	baz=252,SNR=16	23.45	60	P	P	22 18 25.1	-1.3
554A	Perry	baz=148	23.52	72	P	P	22 18 26.0	-1.1
F04D	Rainier, OR	baz=264	23.61	336	P	P	22 18 30.1	+2.3
V50A	Pikeville	baz=240,SNR=7.6	23.61	58	P	P	22 18 26.8	-1.2
R47A	Wooly Knot Far	baz=242,SNR=14	23.62	50	P	P	22 18 27.5	-0.5
I38A	Scanlan Farm,	baz=222	23.64	32	P	P	22 18 28.0	-0.2
454A	Quitman	baz=262,SNR=6.0	23.64	70	P	P	22 18 27.4	-0.9
L42A	Oliver, Polo	60nm,0.8s	23.65	39	eP	P	22 18 34.2	+5.9
L42A	Oliver, Polo	baz=230	23.65	39	P	P	22 18 28.1	-0.2
S48A	Wiedeman Farm,	baz=244,SNR=14	23.67	52	P	P	22 18 28.1	-0.4
K41A	Shensburg	baz=228	23.68	37	P	P	22 18 27.8	-0.8
W51A	Cleveland	baz=251,SNR=27	23.71	59	P	P	22 18 27.8	-1.1
M43A	Waltham Townsh	baz=262,SNR=10	23.71	41	P	P	22 18 28.1	-0.8
C09A	Chrisman Ranch	11nm,0.8s	23.75	345	eS	S	22 18 29.8	+0.6
C09A	Wyandotte Cave	35nm,0.8s	23.75	51	eS	S	22 23 05.8	-0.1
WCI	Wyandotte Cave	baz=243	23.75	51	P	P	22 18 29.7	+0.4
WCI	Wyandotte Cave	baz=243	23.75	51	P	P	22 18 28.5	-0.8
H37A	Dierke Farm, C	baz=237	23.77	31	P	P	22 18 29.0	-0.3
L07A	Longmire	55nm,1.0s	23.77	339	eP	P	22 18 31.2	+1.7
TIGA	Tifton	50nm,0.8s	23.78	68	eP	P	22 18 29.2	-0.4
TIGA	Tifton	baz=261	23.78	68	P	P	22 18 28.5	-1.1
DGMT	Dagmar	baz=192	23.79	9	P	P	22 18 29.3	-0.3
O45A	Potomac	baz=236	23.80	45	P	P	22 18 28.7	-1.0
P46A	Rosedale	baz=238	23.80	47	P	P	22 18 28.4	-1.4
T49A	Edmonton	baz=238	23.82	54	eP	P	22 18 29.8	-0.2
T49A	Edmonton	baz=246,SNR=9.6	23.82	54	P	P	22 18 29.2	-0.7
655A	Horseshoe Beac	baz=284	23.84	73	P	P	22 18 28.9	-1.3
N44A	Piper City	baz=235,SNR=7.4	23.84	43	P	P	22 18 29.4	-0.7
E04D	Cinebar	baz=150	23.86	338	P	P	22 18 32.1	+1.9
LTY	Liberty	25nm,1.3s	23.87	341	eP	P	22 18 32.3	+1.9
Y52A	Lilburn	44nm,0.8s	23.89	62	eP	P	22 18 30.2	-

P49A	Miami Univ. Ec	25.44	49	P	P	22 18 43.9	-0.9
S51A	Beattyville	25.45	54	eP	P	22 18 44.5	-0.4
S51A	Beattyville	25.45	54	P	P	22 18 43.9	-1.0
658A	Bunnell	25.57	74	P	P	22 18 44.2	-1.9
758A	Lake Helen	25.60	75	P	P	22 18 44.9	-1.4
AGMN	Agassiz Nation	25.64	22	P	P	22 18 46.1	-0.5
Q50A	Georgetown	25.65	51	P	P	22 18 44.9	-1.9
F39A	Loretta	25.70	31	P	P	22 18 46.7	-0.4
I43A	Langenfeld Bro	25.71	38	P	P	22 18 46.8	-0.4
152A	Hallie	25.71	56	P	P	22 18 45.4	-1.9
R51A	Hillsboro	25.71	53	P	P	22 18 47.1	-0.1
U53A	Fall Branch	25.77	58	P	P	22 18 48.1	+0.2
C35A	Jirik Farms, M	25.81	25	P	P	22 18 47.8	-0.2
859A	Kempfer Cattle	25.85	77	P	P	22 18 47.5	-1.0
959A	Okeechobee	25.85	78	P	P	22 18 47.6	-1.2
H42A	Shiocton	25.91	36	P	P	22 18 48.8	-0.2
061Z	Ochoppi	25.92	82	eP	P	22 18 51.5	+2.2
061Z	Ochoppi	25.92	82	P	P	22 18 48.8	-0.5
E38A	The Farm, Brul	25.93	29	P	P	22 18 48.4	-0.8
PAULI	Pauline	25.93	61	eP	P	22 18 51.4	+2.1
D37A	Cotton	25.99	27	P	P	22 18 48.7	-1.0
O49A	Covington	26.00	48	P	P	22 18 48.7	-1.2
F40A	Park Falls	26.08	32	P	P	22 18 49.9	-0.7
P50A	Jamestown	26.11	50	P	P	22 18 49.7	-1.1
Q51A	Peebles	26.18	51	P	P	22 18 50.5	-1.0
E39A	Mellen	26.21	31	P	P	22 18 51.5	-0.3
JSC	Jenkinsville	26.25	63	eP	P	22 18 50.5	-1.7
A47A	Sherwood	26.25	44	P	P	22 18 52.2	-0.7
L33A	Warrod	26.35	21	P	P	22 18 53.0	+0.1
KM5C	Kings Mountain	26.39	61	eP	P	22 18 53.1	-0.4
KM5C	Kings Mountain	26.39	61	P	P	22 18 53.3	-0.2
R52A	Cattlettsburg	26.41	53	P	P	22 18 52.6	-1.0
F41A	Three Lakes	26.45	33	P	P	22 18 53.7	-0.2
G42A	Mountain	26.45	35	P	P	22 18 53.6	-0.3
O50A	Cable	26.47	49	P	P	22 18 53.5	-0.7
L48A	N Adams	26.80	45	P	P	22 18 56.2	-0.9
G43A	Wallace	26.85	36	P	P	22 18 57.0	-0.5
M49A	Liberty Center	26.86	46	P	P	22 18 56.7	-0.9
EYMN	Nevada	27.00	27	P	P	22 18 59.3	+0.5
E41A	Kenton	27.03	32	P	P	22 18 58.8	-0.3
N50A	Nevada	27.07	48	P	P	22 18 58.8	-0.8
LLLB	Lilloet	27.25	343	eP	P	22 19 06.2	+5.2
ULM	Lac du Bonnet	27.35	19	P	P	22 19 00.8	-1.1
ULM	Lac du Bonnet	27.35	19	P	P	22 19 00.8	-1.1
M50A	Fremont	27.44	47	P	P	22 19 02.0	-0.9
F43A	Flat Rock, Esc	27.51	35	P	P	22 19 02.8	-0.6
E42A	Champion	27.51	34	P	P	22 19 03.3	-0.3
JTS	JuntasAbangare	27.62	118	LR	LR	22 29 03.4	
BLA	Blacksburg	27.68	57	eP	P	22 19 09.9	+4.8
BLA	Blacksburg	27.68	57	P	P	22 19 04.3	-0.9
NCAT	North Carolina	27.86	60	P	P	22 19 10.9	+4.2
F44A	Big Bay de Noc	27.99	36	P	P	22 19 06.6	-1.2
N54A	Moraine State	29.32	50	eP	P	22 19 19.0	-0.6
N54A	Moraine State	29.32	50	P	P	22 19 17.7	-1.9
O65A	Blue Knob Stat	30.06	52	P	P	22 19 24.6	-1.6
FFC	Flin Flon	30.21	9	eP	P	22 19 26.6	-0.6
SSPA	Standing Stone	30.67	52	eP	P	22 19 30.7	-0.9
SSPA	Standing Stone	30.67	52	P	P	22 19 29.9	-1.7
N59A	State Game Lan	32.28	52	P	P	22 19 43.2	-2.6
BINY	Binghamton	32.57	50	P	P	22 19 46.1	-2.2
PLVO	Plevna	32.98	44	eP	P	22 19 51.9	0.0
PAL	Palisades	33.65	53	P	P	22 19 56.1	-1.6
NCB	Newcomb	34.41	48	eP	P	22 20 04.1	-0.3
LONV	Lake Ozonia	34.42	46	eP	P	22 20 05.1	+0.8
TRQ	Mont Tremblant	35.09	44	eP	P	22 20 09.8	-0.3
FRNY	Flat Rock	35.16	47	eP	P	22 20 10.5	-0.2
HRV	Adam Dzewonsk	35.77	51	P	P	22 20 14.4	-1.6
SJCC	San Jacinto, C	36.00	109	eP	P	22 20 24.3	+6.0
LBNH	Lisbon	36.06	48	P	P	22 20 17.3	-1.2
DLBC	Dease Lake	36.39	342	eP	P	22 20 25.2	+4.0
ZARC	Zaragoza, Cauc	37.48	112	eP	P	22 20 23.9	-7.0
YKA	Yellowknife Ar	37.61	356	P	P	22 20 31.1	-0.4
YKA	Yellowknife Ar	37.61	356	LR	LR	22 26 24.8	
HEL	Santa Helena	37.62	114	eP	P	22 20 33.7	+1.2
YKW3	Yellowknife Ar	37.68	356	eP	P	22 20 31.9	-0.1
GUYC	Guyana, Colomb	38.27	115	eP	P	22 20 44.5	+6.4
PTVC	PUERTO BERRIO	38.33	113	eP	P	22 20 40.0	+2.0
OTAV	Otavallo	38.92	125	eP	P	22 20 45.8	+2.2
SOTA	Rioablanco	39.12	120	eP	P	22 20 43.9	-1.4
PCON	Cinco Dias	39.17	120	eP	P	22 20 50.8	+5.0
ROSC	El Rosal	39.37	115	LR	LR	22 22 36.6	
PRAC	Prado	39.55	117	eP	P	22 20 49.3	+1.0
PRAC	Prado	39.55	117	eP	P	22 20 49.4	+1.0
RUSC	L Russia	39.82	112	eP	P	22 20 51.2	+0.1
RUSC	L Russia	39.82	112	eP	P	22 20 51.2	+0.1
CHIC	Chingaza	39.97	115	eP	P	22 20 58.4	+2.2
SJG	San Juan	40.87	91	P	P	22 20 58.8	-0.4
SCHO	Schefferville	43.26	35	P	P	22 21 17.4	-0.9
SCHO	Schefferville	43.26	35	eP	P	22 21 17.6	-0.7

DAWY	Dawson	43.61	342	eP	P	22 21 23.3	+2.2
EGAK	Eagle	44.66	341	eP	P	22 21 31.5	+2.2
PCRV	Puerto La Cruz	45.12	101	LR	LR	22 43 35.9	
INK	Inuvik	45.67	348	eP	P	22 21 41.4	+4.1
ILAR	Eielsen Array	46.41	339	P	P	22 21 44.5	+1.2
ILAR	Eielsen Array	46.41	339	LR	LR	22 43 06.7	
ILB	Eielsen Array	46.41	339	eP	P	22 21 47.7	+4.4
CCB	Creek Bay	46.63	339	eP	P	22 21 49.9	+4.9
TRF	Thorofare Moun	46.77	336	eP	P	22 21 47.9	+1.6
COLA	College	46.80	339	eP	P	22 21 46.1	-0.1
MDM	Murphy Dome	46.97	339	eP	P	22 21 52.4	+4.7
PPLA	Purkeypile	47.16	335	eP	P	22 21 51.2	+1.9
BPWA	Bear Paw Mtn.	47.40	337	eP	P	22 21 52.3	+1.2
CAST	Castle Rocks	47.41	336	eP	P	22 21 55.8	+4.7
MLY	Manley	47.86	338	eP	P	22 21 56.3	+1.6
NNA	Nana	48.73	135	LR	LR	22 39 12.9	
COLD	Coldfoot	49.03	340	eP	P	22 22 09.2	+5.7
IM3	Indian Mountai	49.44	338	eP	P	22 22 06.9	+0.2
RPN	Rapa Nui	51.84	180	LR	LR	22 39 32.8	
PTGA	Pitanga	54.41	110	eP	P	22 22 44.1	-0.4
SFJD	Kangerlussuaq	55.22	24	LR	LR	22 26 19.9	
SAML	Saraguro	56.45	121	eP	P	22 22 56.8	-2.3
PPT	Papeete	57.51	227	LR	LR	22 42 35.1	
LPZA	La Paz	57.63	131	P	P	22 23 07.4	-0.8
LPZA	La Paz	57.63	131	LR	LR	22 46 54.6	
SUMG	Summit	60.71	19	eP	P	22 23 31.8	+3.3
SUMG	Summit	60.71	19	iP	P	22 23 30.1	+1.6
DAG	Danmarks Havn	66.06	15	P	P	22 24 08.4	+5.0
RAR	Rarotonga	66.98	231	LR	LR	22 45 13.4	
CPUP	Chaparral	71.79	132	P	P	22 24 40.4	+0.6
CPUP	Chaparral	71.79	132	LR	LR	22 54 47.0	
AFI	Afiamalu	71.88	245	LR	LR	22 47 38.8	
PETK	Petropavlovsk-	71.94	321	LR	LR	22 51 18.5	
BDFB	Brasilia	72.36	117	LR	LR	22 59 06.5	
SPITS	Spitsbergen Ar	72.44	10	LR	LR	22 57 29.1	
PLCA	Paso Flores	74.82	150	P	P	22 24 58.7	+1.3
PLCA	Paso Flores	74.82	150	LR	LR	22 51 21.4	
PLCA	Paso Flores	74.82	150	eP	P	22 24 58.8	+1.3
TIXI	Tiksi	75.60	344	eP	P	22 25 06.7	+5.3
EKA	Eskdalemuir Ar	78.56	34	LR	LR	22 58 07.0	
ARCES	ARCESS Array B	80.35	15	P	P	22 25 26.9	-1.0
NB2	NORSAR Subarra	81.89	25	P	P	22 25 42.9	+6.6
NB2	NORSAR Subarra	81.89	25	P	P	22 25 42.9	+6.6
NRIK	Noril'sk	85.09	354	LR	LR	23 04 42.2	
ESDC	Sonsec Array	85.50	48	P	P	22 25 54.5	-0.8
ESDC	Sonsec Array	85.50	48	LR	LR	23 01 16.1	
ES19	SONSECA Array	85.53	48	eP	P	22 25 56.6	+1.2
FINES	FINESS Array B	86.74	20	P	P	22 25 59.3	-1.5
FINES	FINESS Array B	86.74	20	LR	LR	23 04 11.9	
MDT	Midelt	88.33	54	LR	LR	23 05 07.6	
CLL	Colim	88.83	32	eP	P	22 26 16.0	+1.6
CLL	Colim	88.83	32	eP	P	22 26 48.0	+7.4
GERES	GERESS Array B	90.77	34	LR	LR	22 49 36.0	
MJAR	Matsushiro Arr	91.51	312	LR	LR	23 03 07.7	
DZM	Mont Dzumac	93.91	248	LR	LR	22 59 21.9	
HNR	Honiara	94.31	262	LR	LR	22 59 47.6	
KEST	Kesara	96.48	46	LR	LR	23 09 33.0	
KOWA	Kowa	97.57	70	LR	LR	23 10 20.2	
KSRS	Korea Array	97.63	317	LR	LR	23 04 52.3	
GUMU	Guam	97.92	289	LR	LR	23 02 04.7	
JUNO	Nakatsu	98.41	312	LR	LR	23 05 48.6	
MLR	Muntele Rosu	99.02	30	LR	LR	23 13 15.2	

MEX 02 22:40:04.2.0.6, 18.04N x 100.09W, h20km, MD3.9, Guerrero

Code	Station Name	Δ° AZ'	Phase ID	Time Res
ARIG	Puente Sto Nin	0.34 314	iP	Pb 22 40 10.2 -1.5
MEIG	Mezcala	0.46 104	eS	Pb 22 40 15.3 -1.3
CAIG	El Cayaco	1.00 190	eS	Pb 22 40 12.3 -1.4
CAIG	El Cayaco	1.01 179	eP	Pb 22 40 19.6 -3.3
YAI	Yautepex	1.27 50	eP	Pb 22 40 32.0 -3.7
ZIIG	Zihuatanejo	1.38 252	eP	Pb 22 40 27.4 -0.1
TLIG	Tlapa	1.53 108	iP	Pb 22 40 30.8 +0.2
PPM	Pocopetpetl	1.72 53	eP	Pb 22 40 32.2 -1.3

MEX 02 22:45:39.9.0.3, 18.06N x 100.29W, h46km±10km, MD3.6, Guerrero

Code	Station Name	Δ° AZ'	Phase ID	Time Res
ARIG	Puente Sto Nin	0.22 345	Op	ISC 22 45 46.7 -1.4
ARIG	Puente Sto Nin	0.22 345	eS	Pn 22 45 52.0 -1.9
MEIG	Mezcala	0.65 102	eP	Pn 22 45 53.1 +0.1
MEIG	Mezcala	0.65 102	iS	Pn 22 46 01.0 -1.3
CAIG	El Cayaco	1.01 179	eP	Pn 22 45 56.1 -1.6
CAIG	Zihuatanejo	1.21 248	eP	Pn 22 46 07.2 -3.6
ZIIG	Zihuatanejo	1.38 252	eS	Pn 22 45 58.1 -2.3
TLIG	Tlapa	1.71 107	eP	Pn 22 46 05.9 -1.5
TLIG	Tlapa	1.71 107	eS	Pn 22 46 22.5 -5.7

IDC 02 22:47:54.9.3.9.37, 17N x 23.99E, h102km±62km, mb3.4/5, mb3.4/7, mb17m±1.64, mbtrmp3.7/7, ML3.9/2, Error

ISCJB 02 22:47:56.1.0.3, 37.08N/0103.23.83E, h140km±3km, mb3.6/5, Error ellipse: s-maj=5.1km s-min=2.9km az=36.0

ATH 02 22:47:57.4.37.02N, 23.88E, h127km±2km, ML3.2/12, Error ellipse: s-maj=2.5km s-min=1.0km az=160.0

BEO 02 22:47:58.4.1.0.37, 39N x 23.76E, h0km, ML3.5/6

Table with columns: DRO, Drossia, 1.91 298 P, Pn, 22 48 32.1 +2.4, etc. Includes stations like AXAR Agios Charalam, SERG Sergoula, etc.

ISCJB 02 22:53:13.2.0.6, 5.09SR:0.07:150.71E:0.10, h250km, mb3.9/13, Error ellipse: s-maj=14.2km s-min=8.9km az=62.8

IDC 02 22:53:13.1.1.4, 5.11S:150.75E, h236km, 12km, mb3.6/13, mb1.3/8.16, mb1mx3.5/49, mbtmp4.2/16, Error ellipse: s-maj=16.2km s-min=10.4km az=113.0

ISC 02 22:53:14.4.0.6, 5.12S:109.150.71E:0.1, h250km, n25, e150/31, mb4.0/13, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like PMG Port Moresby, JAY Jayapura, WRA Warramunga Arr, etc.

IDC 02 23:01:08.1.1.1, 0.3139S:179.30W, h191km, 11.2km, mb3.6/2, mb1.3/8.3, mb1mx3.3/44, mbtmp4.1/3, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like URZ Urewera, ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 02 23:02:29.7.1.3, 3.39S:129.48E, h0km, mb3.8/3, mb1.3/9.5, mb1mx3.5/52, mbtmp3.7/5, ML3.6/2, MS3.7/2, Ms1.3/7.2, Ms1mx2.8/51, Error ellipse: s-maj=38.2km s-min=23.1km az=88.0

DJA 02 23:02:31.0.0.5, 3.37S:129.48E, h12km, 4km, M3.6/9, MLV3.6/9

ISCJB 02 23:02:32.1.0.5, 3.37S:129.40E:0.03, h33km, mb3.6/2, MS4.0/1, Error ellipse: s-maj=6.6km s-min=4.5km az=169.9

ISC 02 23:02:34.0.0.9, 3.37S:129.40E:0.04, h35km, n15, e180/20, Seram

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like MSAL Masohi, AAI Ambon, ENDI Bandanaira, etc.

MAN 02 23:06:57.5, 10.00N:126.30E, h3km, mb4.5, ML3.4, MS3.2, 2C-10, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like SCPH Surigao, BUTP Butuan, MSLP Maasin, etc.

KRSC 02 23:17:42.1.1.8, 52.88N:157.27E, h290km, 14km, ML3.5, Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like ASAK Asacha, MIPR Malaya Ipe'l'ka, RUS Russkaya, etc.

BUI 02 23:34:32.6, 15.80S:177.60W, h381km, mb4.5/10, m85.0/4

ISCJB 02 23:34:34.4.0.8, 15.88S:177.66W:0.05, h404km, 8km, mb4.5/89, Error ellipse: s-maj=9.5km s-min=4.8km az=44.2

NEIC 02 23:34:34.0.4.1, 15.84S:177.63W, h386km, 3km, mb4.5/72, Error ellipse: s-maj=6.3km s-min=3.0km az=132.0

IDC 02 23:34:35.4.1.8, 15.71S:177.62W, h400km, 19km, mb3.9/14, mb1.4/17, mb1mx3.8/48, mbtmp4.7/17, Error ellipse: s-maj=18.4km s-min=10.8km az=147.0

ISC 02 23:34:36.0.7.1, 15.24S:177.56W:0.07, h419km, 7km, h420km:PP-P, n336, o80/324, mb4.5/89, 11C-12, Fiji Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like RPZ Rata Peaks, FOZ Fox Glacier, LBZ Lake Benmore, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like Y12C, Y12C, 104A, KVN, MOD, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like BOZ, BOZ, BW06, BW06, PDAR, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like WLF, WLF, CONA, CONA, BZS, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like MLR, BURAR, DRGR, VTS, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like TWK1, HEN, HEN, HEN, etc.

Table with columns: Code, Station Name, Az, El, P, S, Sn, Time, Res. Includes stations like H11N3, H11S3, H11S1, etc.

IDC 03 00:22:29.07, 8.35, 89S, 179.88E, h75km, 68km, mb3.9/2, mb1.4/2.3, mb1mx3.5/4.2, mbtmp4.2/3, ML4.1/1, MS3.4/5, Ms1.3/3.5, ms1mx3.0/4.4, Error ellipse: s-maj=66.6km s-min=51.1km az=171.0

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

ISJCJB 03 00:23:01.3, 1.35, 20N, 0.02, 36.57E, h4km, 6km, Error ellipse: s-maj=8.9km s-min=3.8km az=12.3

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

NNC 03 00:30.4, 2.6, 37.66N, 71.33E, h0km, mb4.2, mpv4.0, Error ellipse: s-maj=27.9km s-min=22.4km az=169.0

Code	Station Name	Δ°	AZ°	Op	Phase	ISC	Time	Res
Code	Station Name	Δ°	AZ°	Op	Phase	ISC	h	m
YM05	baz=303	0.46	303	P	Pn		01 43 34.0	-0.1
YM05	baz=304			eS	Sn		01 43 44.0	-0.1
NWL1	Wulai	0.46	253	P	Pn		01 43 33.5	-0.5
NWL1	baz=254			eS	Sn		01 43 44.0	0.0
ENT1	Nioudou	0.47	235	P	Pn		01 43 34.0	-0.1
ENT1	baz=235			eS	Sn		01 43 44.9	+0.8
TWY	Chenhuua	0.51	316	P	Pn		01 43 34.7	+0.4
TWY	baz=317			eS	Sn		01 43 44.6	0.0
NTST	Danshui	0.55	297	P	Pn		01 43 34.8	+0.1
NTST	baz=298			eS	Sn		01 43 45.6	+0.2
TWS1	Kuangyinshan	0.55	290	P	Pn		01 43 34.9	+0.1
TWS1	baz=291			eS	Sn		01 43 45.5	+0.2
YHNB	Yeheng	0.61	247	P	Pn		01 43 35.1	-0.2
YHNB	baz=247			eS	Sn		01 43 46.5	+0.1
WLTB	Daxi	0.67	265	P	Pn		01 43 36.3	+0.4
WLTB	baz=266			eS	Sn		01 43 47.8	+0.4
PCYT	Pengchaiyu	0.72	6	eP	Pn		01 43 36.8	+0.4
NCU	National Centr	0.73	275	eP	Pn		01 43 36.8	+0.3
NCU	baz=275			eS	Sn		01 43 49.5	+1.0
NCU1	Zhongli	0.73	275	P	Pn		01 43 36.8	+0.3
NCU1	baz=275			eS	Sn		01 43 49.0	+0.5
TWD	Chiawan	0.90	204	P	Pn		01 43 38.1	-0.3
TWD	baz=203			S	Sn		01 43 51.3	-0.5
SBCB	Hsinchu	0.92	263	eP	Pn		01 43 38.8	+0.2
SBCB	baz=263			eS	Sn		01 43 52.9	+0.7
LIOB	Emei	0.93	254	P	Pn		01 43 38.7	0.0
LIOB	baz=254			eS	Sn		01 43 52.9	+0.6
HSN	Hsinchu	0.94	264	eP	Pn		01 43 38.7	-0.1
HSN	baz=265			eS	Sn		01 43 52.2	-0.2
NSTT	Nanjiang	0.94	253	P	Pn		01 43 38.8	-0.1
NSTT	baz=253			eS	Sn		01 43 52.0	-0.7
JYNG	Yonagunijimaku	0.98	118	eP	Pn		01 43 38.8	-0.5
TWT	Tachien	0.99	229	P	Pn		01 43 39.9	+0.3
TWT	baz=229			eS	Sn		01 43 54.4	+0.5
HWA	Hwallen	0.99	201	eS	Sn		01 43 53.4	-0.3
TDCB	Techi	1.00	229	eP	Pn		01 43 40.7	+1.0
TDCB	baz=229			eS	Sn		01 43 54.1	0.0
WHF	Hehuan Shan	1.01	211	P	Pn		01 43 40.5	+0.4
WHF	baz=220			eS	Sn		01 43 54.4	-0.3
YOJ	Yonaguni jima	1.03	116	eP	Pn		01 43 39.7	-0.2
YOJ	baz=114			P	Pn		01 43 39.4	-0.5
YOJ	Yonaguni jima	1.03	116	eP	Pn		01 43 54.7	+0.3
ENLB	Shoufeng	1.06	200	eS	Sn		01 43 40.6	+0.3
ENLB	baz=199			eS	Sn		01 43 54.9	-0.3
CHGB	Renai	1.13	222	P	Pn		01 43 41.7	+0.4
CHGB	baz=221			eS	Sn		01 43 57.1	+0.2
NMLH	Miaoil	1.15	251	eP	Pn		01 43 41.3	-0.1
NMLH	baz=251			eS	Sn		01 43 56.9	-0.2
ESL	Shilin	1.21	205	eP	Pn		01 43 42.5	+0.5
ESL	baz=204			eS	Sn		01 43 57.5	-0.8
NSY	Sanyi	1.22	247	P	Pn		01 43 42.5	+0.3
NSY	baz=246			eS	Sn		01 43 59.3	+0.6
PTSB	Yuanli	1.26	249	eP	Pn		01 43 42.7	0.0
PTSB	baz=248			eS	Sn		01 43 59.2	-0.2
EGFH	Guangfu	1.34	203	eP	Pn		01 43 44.6	+0.8
EGFH	baz=202			eS	Sn		01 44 00.5	-0.8
SMLT	Sun Moon Lake	1.43	224	eP	Pn		01 43 45.6	+0.6
SMLT	baz=224			eS	Sn		01 44 03.5	0.0
TYC	Yuchr	1.44	226	eP	Pn		01 43 45.5	+0.5
TYC	baz=225			eS	Sn		01 44 03.9	+0.4
EHY	Hungye	1.53	204	eP	Pn		01 44 03.9	+0.4
EHY	baz=203			eS	Sn		01 44 05.5	-0.1
WCHH	Zhanghua	1.55	238	eS	Sn		01 44 05.4	-0.6
WCHH	baz=237			eS	Sn		01 44 05.4	-0.6
WNT	Mingjian	1.57	230	eP	Pn		01 43 46.9	+0.2
WNT	baz=229			eS	Sn		01 44 06.5	-0.2
WJS	Zhushan	1.58	227	eS	Sn		01 44 06.6	-0.2
YULB	Yu-Hi	1.64	203	eP	Pn		01 43 48.1	+0.5
YULB	baz=202			eS	Sn		01 44 08.0	-0.2
TWF1	Yuli	1.68	202	eP	Pn		01 43 48.0	-0.1
TWF1	baz=202			eS	Sn		01 44 07.6	-1.5
IRIF	liomote-Funau	1.68	110	P	Pn		01 43 47.5	-0.6
IRIF	baz=107			eS	Sn		01 44 08.8	-0.4
YUS	Yu-Shan	1.70	214	eP	Pn		01 43 49.6	+0.7
YUS	baz=213			eS	Sn		01 44 09.5	-1.0
CHNS	Tsauling	1.77	223	eP	Pn		01 43 50.9	+1.5
CHNS	baz=222			eS	Sn		01 44 11.8	+0.3
WGK	Gukeng	1.79	227	eP	Pn		01 43 50.4	+0.9
WGK	baz=226			S	Sn		01 44 11.7	+0.1
WDLH	Douliu	1.80	228	eP	Pn		01 43 50.0	+0.3
WDLH	baz=227			eS	Sn		01 44 11.7	-0.3
RLNB	Erlin	1.80	236	eP	Pn		01 43 49.3	-0.4
RLNB	baz=235			eS	Sn		01 44 11.7	-0.3
FULB	Fuli	1.82	201	eP	Pn		01 43 49.5	-0.5
FULB	baz=200			eS	Sn		01 44 11.7	-0.8
WTCT	Ta-ch'eng	1.88	237	eS	Sn		01 44 12.7	-1.0
WTCT	baz=236			eS	Sn		01 43 52.2	+0.6
ELDTW	Lidau	1.93	208	eP	Pn		01 43 52.2	+0.6
ELDTW	baz=207							

Code	Station Name	Δ°	AZ°	Op	Phase	ISC	Time	Res
Code	Station Name	Δ°	AZ°	Op	Phase	ISC	h	m
ELDTW	min=207			eS	Sn		01 44 14.1	-1.2
CHN2	Binzhiung	1.95	226	eS	Sn		01 44 16.6	+1.1
JKRS	Kuro-shima	1.96	110	P	Pn		01 43 52.1	+0.4
JKRS	baz=225			eS	Sn		01 44 15.5	-0.1
CHY	Chiayi	2.01	226	eP	Pn		01 43 53.4	+1.0
CHY	baz=225			eS	Sn		01 44 17.1	+0.2
TPUB	Ta-pu	2.03	218	eP	Pn		01 43 54.1	+1.3
TPUB	baz=217			eS	Sn		01 44 17.5	+0.1
JJU	Ishigaki jima	2.03	105	P	Pn		01 43 52.6	-0.2
JJU	baz=105			eS	Sn		01 44 16.3	-1.1
WSF	Szhu	2.05	232	eS	Sn		01 44 17.9	0.0
STYT	Taiyuan	2.07	213	eS	Sn		01 44 19.0	+0.5
STYT	baz=212			eP	Pn		01 43 53.8	+0.3
WTP	Ta-pu	2.08	218	eP	Pn		01 44 18.9	+0.2
WTP	baz=217			eS	Sn		01 43 54.6	+0.9
WLBG	Puzi	2.10	228	eP	Pn		01 44 19.0	-0.1
WLBG	baz=227			eS	Sn		01 43 54.3	+0.2
JISG	Ishigakijimahi	2.13	98	P	Pn		01 44 20.3	+0.5
JISG	baz=212			eS	Sn		01 43 55.5	+1.3
TKW	Hsiinying	2.14	220	eP	Pn		01 44 20.7	+0.7
TKW	baz=219			eS	Sn		01 43 55.8	+1.0
CHN1	Nanshi	2.18	218	eP	Pn		01 44 21.2	+0.3
CHN1	baz=218			eS	Sn		01 43 55.2	-0.1
MATB	Ma-tsu	2.22	304	eP	Pn		01 44 21.2	-0.8
MATB	baz=304			eS	Sn		01 44 23.5	+1.3
SGST	Jiashian	2.23	216	eS	Sn		01 44 21.5	-1.2
SGST	baz=215			eS	Sn		01 43 56.6	+0.6
CHN8	Yiju	2.25	227	eS	Pn		01 43 56.3	+0.1
CHN8	baz=226			eS	Sn		01 43 55.9	-0.5
SLGT	Litugui	2.27	213	eP	Pn		01 44 23.0	-1.0
SLGT	baz=212			eS	Sn		01 44 29.3	+1.2
WVUC	WVUC	2.31	273	eP	Pn		01 43 59.4	-0.9
WVUC	baz=272			eS	Sn		01 44 28.6	-2.3
JTJ	Tarama	2.48	96	eS	Sn		01 44 29.1	+1.6
JTJ	baz=96			eP	Pn		01 44 30.9	-0.3
PNG	Penghu	2.59	239	eP	Pn		01 44 01.8	+1.3
PNG	baz=239			eS	Sn		01 44 29.5	-1.8
MASBT	Mashibuluo	2.60	209	eP	Pn		01 44 38.7	+0.6
MASBT	baz=208			eS	Sn			
PHUB	P'eng-hu	2.61	238	eP	Pn			
PHUB	baz=238			eS	Sn			
JIRB	Irabujima	2.89	91	eS	Sn			

ISCJB 03 01:53:36.5 0.3, 37.84N, 0.02-26.69E, 0.03, h1km, 4km, Error ellipse: s-maj=4.2km s-min=3.0km az=165.3
 ATH 03 01:53:36.6, 37.83N-26.69E, h1km, 2km, ML2.4/3, Error ellipse: s-maj=2.4km s-min=1.0km az=133.0
 DDA 03 01:53:36.6, 37.87N-26.70E, h1km, ML2.8
 ISK 03 01:53:36.1, 37.85N-26.67E, h4km, ML2.2/14
 ISC 03 01:53:36.7, 0.9, 37.85N, 0.02-26.70E, 0.03, h13km, 7km, n35, c075/50, Dodecanese Islands

Code	Station Name	Δ°	AZ°	Op	Phase	ISC	Time	Res
Code	Station Name	Δ°	AZ°	Op	Phase	ISC	h	m
SMG	Samos	0.18	142	P	Pb		01 53 41.4	-0.4
SMG	comp=N,2873um,0.3s			S	Sg		01 53 44.5	+0.9
SMG	comp=E,2355um,0.4s			AML	AML		01 53 45.3	
DGB	zmir	0.25	35	iP	Pg		01 53 41.7	-0.3
DGB	comp=N,488um,0.3s			iS	Sg		01 53 44.9	-0.6
URLA	Izmir	0.52	351	PG	Pg		01 53 46.9	0.0
URLA	comp=N,488um,0.3s			PG	Sb		01 53 54.7	-0.4
URLA	Izmir	0.52	351	iP	Pg		01 53 46.4	-0.4
URLA	comp=N,488um,0.3s			iS	Sg		01 53 54.0	+0.2
BLCB	Balcova	0.60	27	PG	Pg		01 53 48.4	0.0
CHOS	Chios island	0.74	317	PG	Sb		01 53 50.8	-0.2
CHOS	Chios island	0.74	317	PG	Sb		01 54 01.4	-0.2
CHOS	Chios island	0.74	317	P	Sg		01 53 55.5	-0.2
CHOS	Chios island	0.95	101	iP	Pn		01 54 02.2	+0.6
CHOS	comp=E,482um,0.4s			AML	AML		01 54 03.0	
CHOS	comp=N,488um,0.3s			AML	AML		01 54 04.5	
KRBN	Karaburun	0.75	351	PG	Pg		01 53 51.1	-0.2
FOCM	Fo'ca	0.86	2	PG	Pg		01 53 53.1	-0.3
BODT	Bodrum	0.92	148	PG	Pb		01 53 54.7	+0.1
AYDB	Zeytinokoy-Aydi	0.95	84	PG	Pg		01 53 55.6	-0.2
AYDN	Tasoluk	0.95	101	iP	Pn		01 53 55.5	-0.2
AYDN	comp=N,488um,0.3s			iS	Sg		01 54 04.6	-0.4
BDRM	Kayabasi	0.98	143	iP	Pn		01 53 56.9	+0.7
BDRM	comp=N,488um,0.3s			iS	Sg		01 54 10.2	+0.2
MLSB	Milas	1.02	123	PG	Pg		01 53 56.8	+0.1
AMGA	Amorogos Island	1.20						

WRAB	19nm,0.9s	Tennant Creek	48.95 258	eP	P	03 00 53.1	-1.1
WRA	11nm,0.6s	Warrunguna Arr	48.95 258	P	P	03 00 52.4	-1.9
WRO	1.0m,0.6s,baz=92,slow=3.2,SNR=11	Manton Dam	51.78 267	P	PcP	03 02 16.6	-0.3
AS01	4.0m,0.7s,baz=95,slow=3.3,SNR=6.7	Alice Springs	49.08 253	eP	P	03 00 52.8	-2.3
ASAR	67m,0.7s,baz=88,slow=6.5,SNR=707	Alice Springs	49.12 253	P	P	03 00 53.9	-1.6
ASAR	5.8m,0.6s,baz=103,slow=4.2,SNR=5.1	Fitzroy Crossi	57.35 259	P	PcP	03 02 17.4	-0.1
ASAR	1.4m,0.9s,baz=113,slow=4.5,SNR=5.1	Fitzroy Crossi	57.35 259	P	ScP	03 06 04.4	+1.7
ASAR	0.7m,0.7s,baz=92,slow=15,SNR=5.3	Namton	53.03 266	P	S	03 07 48.3	-4.3
ASAR	comp=Z,137nm,18.4s,baz=96,slow=35	Guam	50.61 304	LR	LR	03 19 26.0	
GUMO	comp=Z,56nm,21.4s,baz=302,slow=32	Kakadu	51.78 267	P	P	03 01 15.0	-0.6
KDU	baz=52,SNR=3.5	Kakadu	51.78 267	P	P	03 01 23.2	-1.7
MTN	baz=53,SNR=3.3	Warakuma	54.16 251	P	P	03 01 31.3	-1.7
WRKA	baz=54,SNR=99	Warakuma	54.16 251	P	P	03 01 32.2	-1.4
FORT	baz=54,SNR=9.9	Forres	54.26 244	P	P	03 01 26.2	-0.7
KNRA	baz=55,SNR=4.3	Kununurra	54.78 262	P	P	03 01 55.6	-0.1
FITZ	1.9m,0.4s,baz=77,slow=5.9,SNR=15	Fitzroy Crossi	57.35 259	P	LR	03 25 25.1	
FITZ	comp=Z,132nm,19.3s,baz=95,slow=35	Fitzroy Crossi	57.35 259	P	P	03 01 54.6	-1.2
NLAI	baz=57,SNR=9.2	Namlea	59.31 276	P	P	03 02 11.1	+1.6
SOEI	47m,1.5s	Soe	60.28 268	P	P	03 02 18.3	+2.0
BATI	29m,0.9s,baz=154,slow=4.3,SNR=3.9	Baumata	61.80 268	P	P	03 02 20.1	+0.8
SBA	13m,0.8s	Scott Base	61.80 185	eP	P	03 02 27.1	+1.7
VNDA	6.9m,0.8s,baz=7.7,slow=6.9,SNR=53	Vanda	61.92 186	P	P	03 02 27.8	+1.7
VNDA	13m,1.1s	Vanda	61.92 186	P	P	03 02 29.1	-1.3
MBWA	62.40 255	Marble Bar	62.40 255	eP	P	03 02 29.1	-1.3
MEEK	baz=63,SNR=1.7	Meekeatharra	62.73 243	P	P	03 02 31.0	-1.5
EDFI	113nm,1.2s,913nm	Ende, Flores	62.99 269	P	P	03 02 33.8	-0.7
KLBR	baz=63,SNR=36	Kellerberrin	63.06 243	P	P	03 02 34.3	-1.2
NWAO	1.1m,0.8s,baz=270,slow=7.2,SNR=4.3	Narrogin (SRO)	63.41 241	P	LR	03 02 35.5	-1.3
NWAO	comp=Z,92nm,20.8s,baz=276,slow=33	Narrogin (SRO)	63.41 241	P	LR	03 02 39.6	-1.4
BLDU	baz=64,SNR=28	Ballidu	64.03 244	P	P	03 02 29.7	+1.9
DAV	comp=Z,37nm,18.4s,baz=161,slow=35	Davoo City (W)	64.25 287	LR	LR	03 29 47.9	
MUN	baz=64,SNR=7.6	Mundaring	64.35 242	P	P	03 02 42.6	-0.4
MOR	baz=65,SNR=7.2	Morawa	64.75 245	P	P	03 02 44.8	-0.9
WBSI	90nm,1.5s	Waikabubak, Su	64.97 267	P	P	03 02 49.4	+2.0
PLAI	96nm,1.2s	Plampang	66.72 267	P	P	03 02 59.8	+1.3
PCI	26m,0.4s	Palu	66.93 276	P	P	03 03 02.8	+2.9
GIRL	baz=67,SNR=3.5	Giralde	67.22 252	P	P	03 03 02.4	+0.8
MPSI	79m,1.4s	Magapa	67.25 278	P	P	03 03 01.6	-0.3
TWSI	79m,1.4s	Taliwang, Sumb	67.59 267	P	P	03 03 04.4	+0.3
CASY	15m,1.1s	Casey	68.88 205	eP	P	03 03 10.7	-0.5
MJAR	4.2m,0.5s,baz=163,slow=6.2,SNR=12	Matsushiro Arr	69.54 320	P	LR	03 03 14.7	-1.6
MJAR	comp=Z,24nm,22.0s,baz=190,slow=30	Matsushiro	69.54 320	eP	LR	03 03 14.3	-2.0
MAJ	14nm,1.1s	Matsushiro	69.54 320	P	P	03 03 15.3	-1.0
MAT	13m,1.1s	Matsushiro Tunnel	69.64 321	eP	P	03 03 16.3	0.0
MJB9	13m,1.1s	Matsushiro	69.64 321	eP	P	03 03 21.2	+0.5
JAGI	98nm,1.1s	Jajag, Banyuwa	70.27 267	P	P	03 03 27.7	+7.7
BLJI	28nm,0.7s,baz=95,slow=4.9,SNR=20	Ganyuglugur	70.99 267	P	P	03 03 31.6	-1.1
JNU	comp=Z,34nm,21.6s,baz=116,slow=30	Nakatsue	72.33 314	eP	LR	03 03 32.1	-0.5
ASAJ	32nm,0.7s	Asahikawa	72.42 329	P	P	03 03 32.8	-0.1
ASAJ	12m,0.8s,baz=200,slow=5.1,SNR=13	Asahikawa	72.42 329	eP	LR	03 03 32.6	-0.3
ASAJ	comp=Z,59nm,20.5s,baz=160,slow=32	Kota Kinabalu	72.58 282	eP	P	03 03 34.6	0.0
ASAJ	44m,1.1s	Kota Kinabalu	72.58 282	eP	P	03 03 38.5	+0.8
QSPA	16m,0.9s,baz=64,slow=1.9,SNR=33	South Pole Qui	73.24 180	P	LR	03 32 42.2	
QSPA	comp=Z,31nm,20.1s,baz=32,slow=33	South Pole Qui	73.24 180	eP	LR	03 03 38.6	+0.9
QSPA	25m,1.1s	Petrovlovsk	73.79 343	eP	P	03 03 39.8	-1.0
PETK	5.8m,0.7s,baz=125,slow=7.5,SNR=12	Petrovlovsk	73.79 343	eP	P	03 03 39.7	-1.0
PETK	comp=Z,25nm,21.9s,baz=145,slow=29	Columbia Colle	74.21 41	eP	LR	03 04 11.7	+0.2
CMB	4.5m,0.9s	Yreka Blue Hor	75.08 37	eP	P	03 03 49.8	+1.2
YBH	3.6m,0.8s,baz=135,slow=7.5,SNR=8	Yreka Blue Hor	75.08 37	eP	P	03 03 49.3	+0.7
YBH	25m,1.6s	Yreka Blue Hor	75.08 37	eP	P	03 04 19.1	+2.3
WAKR	31m,0.4s,12um	Walker	75.09 41	eP	P	03 03 53.0	+3.2
STKI	15m,1.7s	Sintang	75.33 40	eP	P	03 03 51.4	+1.2
BEKR	11m,1.3s	Becworth	75.50 41	eP	P	03 03 53.0	+1.8
YERR	15m,1.3s	Yerrington	75.77 42	eP	P	03 04 22.8	+2.0
NV01	1.9m,0.7s,baz=224,slow=10.0,SNR=12	Mina Array	75.77 42	eP	P	03 03 53.5	+0.7
NV01	3.8m,0.8s,baz=230,slow=6.9,SNR=5.2	Mina Array	75.77 42	eP	P	03 04 21.5	+0.7
NVAR	13m,1.1s	Mina Array	75.77 42	eP	P	03 04 21.5	+0.7
PAHR	3.8m,0.8s,baz=230,slow=6.9,SNR=5.2	Pah Rah Range	75.83 40	eP	P	03 03 54.5	+1.4
FAHR	15m,1.7s	Mina Array	75.87 42	eP	P	03 04 23.1	+2.1
NW11	15m,1.7s	Mina Array	75.87 42	eP	P	03 03 53.6	+0.3
NV11	15m,1.7s	Mina Array	75.87 42	eP	P	03 04 23.1	+2.1
KVN	4.5m,0.9s	Kaiserville	76.26 42	eP	P	03 03 57.1	+1.6
KVN	4.5m,0.9s	Kaiserville	76.26 42	eP	P	03 04 25.6	+2.1
TPNV	12m,0.8s	Topopah Spring	76.28 44	eP	P	03 03 56.8	+0.8
KDNK	4.4m,0.9s	Kodiak Island	76.42 12	eP	P	03 03 55.2	-0.5
MOD	15m,1.7s	Modoc Plateau	76.59 38	eP	P	03 03 56.9	-0.4
MOD	15m,1.7s	Modoc Plateau	76.59 38	eP	P	03 04 25.1	-0.3
KSM	15m,1.7s	Kuching	76.72 276	eP	P	03 03 59.3	+0.8
KSRS	5.0m,0.8s,baz=143,slow=3.6,SNR=14	Korea Arr	76.75 316	P	P	03 03 56.2	-1.8
KSRS	comp=Z,36nm,18.5s,baz=158,slow=35	Korea Arr	76.75 316	P	LR	03 37 15.3	
K05A	13m,1.1s	Sumner Lake	76.75 316	P	LR	03 03 59.5	+1.3
KS15	13m,1.1s	Wonju Array S	76.77 316	eP	P	03 03 57.3	-0.9
KSAR	13m,1.1s	Wonju Array Be	76.77 316	eP	P	03 03 56.2	-1.9
SHPR	13m,1.1s	Sheep Range	76.77 45	eP	P	03 03 59.8	+1.4
KS01	4.5m,0.9s	Wonju Array S	76.78 316	eP	P	03 03 58.0	-0.3
LEM	4.1m,0.6s,baz=42,slow=14,SNR=4.4	Lembang	76.95 267	P	P	03 03 59.9	0.0
LEM	comp=Z,58nm,18.6s,baz=139,slow=37	Lembang	76.95 267	P	LR	03 39 57.7	
H04A	4.5m,0.8s	Detroit Lake	77.25 35	eP	P	03 03 58.6	-2.1
PINE	1.4m,0.9s	Pine Mountain	77.38 36	eP	P	03 04 02.9	+1.2
PINE	1.4m,0.9s	Pine Mountain	77.38 36	eP	P	03 04 30.9	+1.1

R11A	5.1m,1.4s	Troy Canyon, C	77.49 43	eP	P	03 04 00.9	-1.6
BMN	3.6m,0.8s	Battle Mountai	77.61 41	eP	P	03 04 03.8	+0.7
TUC	16m,1.8s	Tucuman	77.74 51	eP	P	03 04 05.6	+1.7
WVOR	6.9m,1.1s	Wild Horse Val	77.90 39	eP	P	03 04 05.8	+1.2
USRK	2.1m,0.7s,baz=192,slow=4.3,SNR=5.2	Ussuriysk Arr	78.15 324	P	P	03 04 06.5	+0.8
USRK	2.1m,0.7s,baz=192,slow=4.3,SNR=5.2	Ussuriysk Arr	78.15 324	P	LR	03 33 09.9	
LCMT	comp=Z,30nm,21.2s,baz=129,slow=31	Little Creek M	78.35 46	eP	P	03 04 08.2	+1.0
CCUT	4.9m,1.2s	Cedar City	78.55 45	eP	P	03 04 09.7	+1.4
CCUT	4.9m,1.2s	Cedar City	78.55 45	eP	P	03 04 37.9	+1.4
J08A	8.1m,1.3s	Circle Bar Ran	78.55 38	eP	P	03 04 08.8	+0.8
PSUT	3.9m,0.8s	Pine Spring	78.73 44	eP	P	03 04 10.4	+1.0
PSUT	3.9m,0.8s	Pine Spring	78.73 44	eP	P	03 04 40.6	+3.0
D05A	4.9m,1.2s	Enumclaw	78.95 33	eP	P	03 04 11.1	+1.0
SVW2	13m,0.8s	Sparrevohn	79.04 9	eP	P	03 04 09.6	-0.6
PKCU	21m,1.4s	Pink Cliffs	79.21 46	eP	P	03 04 13.4	+1.3
G08A	5.5m,1.0s	Pile Rock	79.42 36	eP	P	03 04 13.3	+0.5
MSU	8.9m,1.4s	Marysval	79.84 45	eP	P	03 04 17.2	+1.8
MSU	8.9m,1.4s	Marysval	79.84 45	eP	P	03 04 45.5	+0.9
BMO	4.9m,1.2s	Blue Mountains	80.11 37	eP	P	03 04 16.2	-0.3
MFID	5.9m,1.3s	Camas Ranch	80.15 39	eP	P	03 04 17.1	+0.2
DUG	4.2m,1.3s	Dugway, Tooele	80.30 43	eP	P	03 04 19.4	+1.7
D08A	5.4m,0.9s	Wollman Farm,	80.51 35	eP	P	03 04 19.1	+0.6
SKT	8.8m,1.0s	Skwentna	80.53 11	eP	P	03 04 17.6	-0.7
NJ2	comp=Z,23nm,0.7s	Nanjing	80.54 308	eP	P	03 04 20.3	+1.3
NJ2	comp=Z,23nm,0.7s	Nanjing	80.54 308	eP	P	03 04 18.2	-0.4
PMR	10m,0.3s	Palmer	80.62 12	eP	P	03 04 19.9	-0.3
F10A	6.0m,0.9s	Beach Ranch, E	80.80 36	eP	P	03 04 22.8	+1.6
MTU	3.6m,0.8s	Trail Mountain	80.89 44	eP	P	03 04 20.8	+0.5
DIV	9.9m,1.0s	Divide	80.90 13	eP	P	03 04 21.4	-0.2
B08A	3.2m,0.8s	Colville Reser	81.08 33	eP	P	03 04 22.9	+0.9
HLID	8.1m,0.9s	Hailey	81.09 39	eP	P	03 04 51.0	+0.8
HLID	8.1m,0.9s	Hailey	81.09 39	eP	P	03 02 20.0	+1.1
SRU	18m,1.1s	San Rafael Swe	81.26 45	eP	P	03 04 24.7	+1.7
SRU	18m,1.1s	San Rafael Swe	81.26 45	eP	P	03 04 53.3	+2.0
SRU	18m,1.1s	San Rafael Swe	81.26 45	eP	P	03 34 58.1	
MA	comp=Z,24nm,20.5s,baz=196,slow=32	Magadan	81.33 343	LR	LR	03 29 47.9	
MXNT	12m,1.8s	Cornudas Mount	81.54 53	eP	P	03 04 24.5	+0.2
TCUT	1.9m,0.7s	Toone Canyon	81.69 43	eP	P	03 04 27.1	+1.8
CAST	7.4m,0.9s	Castle Rocks	81.78 10	eP	P	03 04 22.3	-2.6
CN2	7.4m,0.9s	Changchun	81.78 320	eP	P	03 04 25.4	+0.1
CN2	7.4m,0.9s	Changchun	81.78 320	eP	P	03 04 34.6	+2.9
TX31	10m,0.3s	Lajitas Ar	81.89 56	eP	P	03 04 27.1	+0.8
TXAR	10m,0.3s	Lajitas Ar	81.89 56	eP	P	03 04 27.1	+0.8
VPV2	4.0m,0.7s,baz=211,slow=6.9,SNR=4.3	Carperter Rid	81.97 46	eP	P	03 04 27.1	+0.8
PV21	6.8m,1.0s	Cone Mtn., Par	82.05 46	eP	P	03 04 28.1	+0.9
TRF	4.6m,0.8s	Thorfare Moun	82.11 11	eP	P	03 04 25.9	-0.9
TRF	20m,0.8s	Thorfare Moun	82.11 11	eP	P	03 36 34.4	
ANMO	comp=Z,42nm,18.7s,baz=237,slow=32	Albuquerque	82.16 50	LR	LR	03 04 31.9	+1.4
MCMT	7.3m,1.1s	McKenzie Canyo	82.72 39	eP	P	03 04 31.2	+0.7
AHID	7.3m,1.1s	Auburn Hatcher	82.73 41	eP	P	03 04 33.4	+0.7
DLMT	5.1m,1.0s	Dillon	83.16 39	eP	P	03 04 34.1	+1.2
REDW	7.4m,1.4s	Red Top Meadow	83.19 41	eP	P	03 04 32.8	-0.2
TPAW	4.9m,0.8s	Teton Pass	83.19 41	eP</			

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Molln, SAKARYA, Buzias, Kadinhani, Arzberg, Sztrachica, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAW, TXAR, SNA7, SNA8, SNA9, SNA10, etc.

MAN 03 04:05:50.5, 7.32N:124.43E, h35km, mb4.2, ML3.1, MS2.8, ID, Mindanao

IDC 03 04:02:55.3, 1.6, 9.79N: 125.56E, h0km, mb3.6/5, mb1.3/7.5, mb1mx3.5/60, mbtmp3.6/5, Error ellipse: s-maj=168.3km s-min=20.2km az=68.0

ISC 03 04:03:00.6, 1.1, 9.99N:0.05x126.21E:0.10, h61km, 11km, mb3.6/5, Error ellipse: s-maj=16.5km s-min=7.8km az=167.7

MAN 03 04:03:01.1, 10.05N:126.15E, h22km, mb4.6, ML3.5, MS3.4

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

ISC 03 04:08:57.0, 6.94S:0.02x155.71E:0.02, h46km, 7km, mb5.2/13, MS5.0/178, Error ellipse: s-maj=4.4km s-min=3.6km az=135.6

BUI 03 04:08:57.5, 6.90S:155.70E, h40km, mb5.0/48, MB5.4/37, MS5.1/40, MS7.4/8/39

MOS 03 04:08:57.5, 1.0, 6.92S: 155.76E, h41km, mb5.4/65, MS4.8/30, Error ellipse: s-maj=7.8km s-min=5.8km az=105.8

NEIC 03 04:08:58.3, 0.1, 6.94S: 155.72E, mb5.4/62, MS5.1/116, Error ellipse: s-maj=4.5km s-min=3.6km az=102.0

IDC 03 04:08:58.1, 0.3, 6.97S: 155.74E, h39km, 2km, mb4.8/33, mb1.4/9.27, mb1mx3.4/50, mbtmp5.0/37, ML5.0/3, MS4.7/46, MS1.4/746, ms1mx4.7/48, Error ellipse: s-maj=9.6km s-min=7.9km az=81.0

DJA 03 04:09:00.2, 0.6, 7.5, 4.15E, h48km, 6km, MS5.5/33, mb5.7/33, mb5.9/27, Mw(mB)1.5/27, Mw(p)1.1

GCMT 03 04:09:01.3, 0.1, 7.20S:01.565:64E:0.01, h46km, MW5.5/122, Moment Tensor Solution, s122,c223; s112,c206; Duration: 1s4 Moment tensor: Scale 1017 Nm; Mn: 2.05e-03; M0: -1.40e-02; M0: -0.65e-02; M0: 0.06e-03; M0: 1.30e-02; M0: -0.30e-02; Best double couple: Mb2.237000:1017, NPl:1.453:00000; 0.48:00000; 1.90:00000; NP2:2.30:00000; 0.42:00000; 1.80:00000; Principal axes: T: 2.0840, Plg3:0.0000; Azm:103.0000; N: 0.3050, Plg6:0.0000; Azm:308.0000; P: -2.3900, Plg3:0.0000; Azm:217.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-tensor function

ISC 03 04:08:58.4, 0.2, 6.99S:0.03x155.77E:0.04, h41km, 1km, h41km: pP, n763, 0.1944745, mb5.3/132, MS5.0/179, 35C-24D, Bougainville-Solomon Islands region

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

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

2012 AUG

Table with columns: Station Name, Frequency, Band, Mode, Power, Date/Time, and other parameters. Includes stations like CMBY, TAOE, HIA, ZEA, MA2, BRDH, ULN, VVOR, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Date/Time, and other parameters. Includes stations like MIR, BWNR, ODAN, VIS, GUN, OHAK, PALK, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, Date/Time, and other parameters. Includes stations like MK01, MK01, MK31, MKAR, MKAR, SMLA, SMLA, MAKZ, etc.

BVAR	comp=Z,259nm,21.8s,baz=97,slow=35	LR	LR	05 02 47.4	
BRVK	Borovoye 92.82 323	eP	P	04 22 05.8 -0.9	
BRVK		eP	pP	04 22 18.0 -1.2	
BRVK		eP	LR		
BRVK	comp=Z,221nm,21.0s	/P	P	04 22 05.1 -1.6	
BRVK		pmax	pmax		
R11A	comp=Z,24nm,2.0s	93.22 52	eP	pP	04 22 22.1 +0.5
NEW	Troy Canyon, C Newport	93.23 42	FFAKE	LR	04 22 20.0 +1.1
SHPR	comp=Z,1.1um,20.0s	93.36 54	eP	pP	04 22 24.9 +2.6
PSUT	Sheep Spring	94.59 52	eP	pP	04 22 23.6 +1.6
HLID	Pine Spring	94.63 47	FFAKE	LR	04 22 30.0 +1.5
HLID	Hailey		LR	LR	
LCMT	comp=Z,982nm,20.0s	94.54 53	eP	pP	04 22 33.1 +3.6
DUG	Little Creek M Dugway, Toolee	95.90 50	FFAKE	LR	04 22 30.0 +1.0
DUG					
YKA	comp=Z,829nm,22.0s	95.97 28	P	P	04 22 20.2 -0.7
YKA	Yellowknife Ar				
YKA	comp=Z,1.9nm,0.6s,baz=269,slow=4.7,SNR=17				04 22 32.4 -1.0
YKA	comp=Z,1.4nm,0.5s,baz=264,slow=4.3,SNR=5				04 39 06.0 -5.7
YKA	comp=Z,0.5nm,0.5s,baz=81,slow=2.6,SNR=5.2				05 01 59.3
YKA	comp=Z,54nm,19.8s,baz=292,slow=3.3,SNR=3.7	96.33 55	FFAKE	LR	04 22 30.0 +6.6
WUAZ	Wupatki		LR	LR	
WUAZ			LR	LR	
LPIG	comp=Z,740nm,19.0s	96.38 67	LR	LR	04 58 26.3
La Paz	La Paz		LR	LR	
HWUT	comp=Z,1.1um,20.6s,baz=248,slow=3.1	96.58 49	FFAKE	LR	04 22 40.0 +1.6
HWUT	Hardware Ranch		LR	LR	
TUC	comp=Z,682nm,22.0s	96.59 58	FFAKE	LR	04 22 40.0 +1.5
TUC	Tucson		LR	LR	
TMUT	comp=Z,1.1um,20.0s	96.71 51	eP	pP	04 22 38.9 +1.1
BOZ	Trail Mountain Bozeman (W)	96.76 45	FFAKE	LR	04 22 40.0 +1.5
AHID	comp=Z,879nm,22.0s	96.99 48	FFAKE	LR	04 22 40.0 +1.4
AHID	Auburn Hatcher		LR	LR	
LKWY	comp=Z,847nm,20.0s	97.58 46	FFAKE	LR	04 22 40.0 +1.1
LKWY	Lake		LR	LR	
BW06	comp=Z,1.1um,21.0s	98.12 48	FFAKE	LR	04 22 40.0 +8.5
BW06	Boulder Array		LR	LR	
PDAR	comp=Z,922nm,20.0s	98.12 48	P	Pdif	04 22 31.5 0.0
PDAR	Pinedale Array		pP	pP	04 22 43.5 -0.4
PDAR	comp=Z,0.5nm,0.7s,baz=220,slow=3.5,SNR=4.4				04 39 04.0 -1.5
PDAR	comp=Z,1.2nm,0.9s,baz=272,slow=4.3,SNR=3.7				05 04 10.1
PDAR	comp=Z,0.2nm,0.3s,baz=106,slow=3.3,SNR=3.4				04 22 31.5 0.0
PDAR	comp=Z,807nm,18.5s,baz=288,slow=3.4	98.12 48	P	Pdif	04 22 44.9 +0.9
PDAR	Pinedale Array		pP	pP	04 39 04.0 -1.5
EGMT	Eagleton	98.14 43	FFAKE	LR	04 22 40.0 +8.8
RLMT	comp=Z,818nm,21.0s	98.40 45	FFAKE	LR	04 22 40.0 +7.4
RLMT	Red Lodge		LR	LR	
MVCO	comp=Z,617nm,20.0s	98.74 53	FFAKE	LR	04 22 50.0 +1.6
MVCO	Mesa Verde		LR	LR	
NVL	comp=Z,733nm,21.0s	98.74 191	eP	SS	04 22 24.1 -9.2
NVL	N'lazarevskaya		pmax	pmax	04 40 43.1 -2.0
NVL	comp=Z,1.0nm,0.4s		MLR	MLR	
AB31	comp=Z,2.1um,17.0s	99.05 319	iP	Pdif	04 22 32.5 -2.6
AB31	Akbulak array		pmax	pmax	
ABKAR	comp=Z,1.0nm,0.5s	99.05 319	eP	Pdif	04 22 33.1 -2.0
ABKAR	Akbulak array		pP	pP	04 22 46.0 -1.6
WSAR	Wadi Sarin	99.26 292	eP	Pdif	04 22 36.4 -0.3
WSAR	comp=Z,4.7nm,0.9s,baz=82,slow=14,SNR=2.8		LR	LR	05 08 22.8
MSEY	comp=Z,91nm,22.0s,baz=112,slow=36	99.61 264	FFAKE	LR	04 22 50.0 +1.2
MSEY	Mahe Island		LR	LR	
ARU	comp=Z,548nm,22.0s	99.77 326	eP	Pdif	04 22 35.7 -2.4
ARU	Arti		LR	LR	
ARU	comp=Z,412nm,21.0s	99.77 326	eP	Pdif	04 22 35.9 -2.2
ARU	Arti		LR	LR	04 26 40.6
ARU	comp=Z,0.3nm,0.7s,baz=191,slow=5.2,SNR=4.9		S	SKSac	04 33 09.0 -4.4
ARU			SS	SS	04 40 56.9 -4.1
ARU			MLR	MLR	
SNAa	comp=Z,417nm,22.0s	100.24 187	PKIKP	PKIKP	04 27 06.1 -1.1
SNAa	Sanae	100.24 187	Pdif	Pdif	04 22 43.6 +3.5
SNAa	Sanae	100.24 187	P	P	04 22 40.0 -0.1
SNAa	comp=Z,0.7nm,0.5s,baz=191,slow=5.2,SNR=4.9		pmax	pmax	04 22 40.0 -0.1
SNAa	Sanae	100.24 187			
AKTO	comp=Z,1.0nm,0.5s	100.28 320	P	Pdif	04 22 39.5 -1.1
AKTO	Aktyubinsk				
ANMO	comp=Z,0.7nm,0.6s,baz=110,slow=3.6,SNR=3.3	100.32 56	FFAKE	LR	04 22 50.0 +8.6
ANMO	Albuquerque		LR	LR	
LAO	comp=Z,565nm,21.0s	100.53 44	FFAKE	LR	04 22 50.0 +8.1
LAO	LASA Array		LR	LR	
ISCO	comp=Z,734nm,22.0s	101.05 51	FFAKE	LR	04 23 00.0 +1.5
ISCO	Idaho Springs		LR	LR	
SDCO	comp=Z,616nm,21.0s	101.13 53	FFAKE	LR	04 23 00.0 +1.5
SDCO	Great Sand Dun		LR	LR	
VNA3	comp=Z,932nm,21.0s	101.33 185	PKIKP	PKIKP	04 27 08.8 -0.2
VNA3	Neumayer Olymp	101.33 185	Pdif	Pdif	04 22 43.9 -1.0
DGMT	Neumayer Olymp	101.33 185	FFAKE	LR	04 23 00.0 +1.2
DGMT	Dagmar	101.85 42	FFAKE	LR	
PMSA	comp=Z,1.1um,22.0s	102.57 164	P	Pdif	04 22 51.2 +0.8
PMSA	Palmer Station				
PMSA	comp=Z,10.0nm,0.8s,baz=319,slow=11,SNR=3.4	102.57 164	P	Pdif	04 22 51.2 +0.8
PMSA	Palmer Station				
TXAR	comp=Z,961nm,20.0s	102.58 62	PKIKP	PKIKP	04 27 11.2 -1.4
TXAR	Lajitas Array				
TXAR	comp=Z,0.9nm,1.2s,baz=257,slow=3.6,SNR=2.7		PKIKP	PKIKP	04 38 51.8 -0.2
TXAR	comp=Z,0.3nm,0.7s,baz=122,slow=4.5,SNR=6.2				04 39 04.0 +4.4
OGNE	comp=Z,1.3nm,0.9s,baz=133,slow=4.3,SNR=9.3	103.75 50	FFAKE	LR	04 23 10.0 +1.4
OGNE	Ogallala		LR	LR	
ABPO	comp=Z,887nm,21.0s	105.04 48	FFAKE	LR	04 27 30.0
ABPO	Ambohimpalom		LR	LR	
PRGR	comp=Z,373nm,20.0s	105.63 332	eP	Pdif	04 23 02.4 -1.6
PRGR	Permogore		pmax	pmax	
CBKS	comp=Z,22nm,1.4s	105.64 52	FFAKE	LR	04 27 30.0
CBKS	Cedar Bluff		LR	LR	
KBS	comp=Z,533nm,19.0s	105.87 353	FFAKE	LR	04 27 30.0
KBS	Kingsbay		LR	LR	
SPITS	comp=Z,524nm,22.0s	105.88 352	Pdif	Pdif	04 23 04.4 -0.6
SPITS	Spitsbergen Ar				
JCT	comp=Z,1.2nm,0.4s,baz=282,slow=2.8,SNR=9.2	105.93 60	FFAKE	LR	04 27 30.0
JCT	Junction City		LR	LR	
WMOK	comp=Z,718nm,20.0s	106.64 56	FFAKE	LR	04 27 30.0
WMOK	Wichita Mounta		LR	LR	
AGMN	comp=Z,774nm,20.0s	107.39 42	FFAKE	LR	04 27 30.0
AGMN	Agassiz Nation		LR	LR	
AGMN	comp=Z,893nm,21.0s				

ECSD	EROS Data Cent	107.52 46	PFAKE	LR	04 27 30.0
ECSD			LR	LR	
KVTX	comp=Z,937nm,21.0s	107.67 63	PFAKE	LR	04 27 30.0
KVTX	Kingsville		LR	LR	
KSUI	comp=Z,928nm,19.0s	108.04 51	PFAKE	LR	04 27 30.0
KSUI	Kansas State U		LR	LR	
KLMR	comp=Z,671nm,22.0s	108.68 332	eP	Pdif	04 23 15.0 -2.6
KLMR	Klimovskoe		pmax	pmax	
KLMR	comp=Z,1.6nm,1.2s	108.68 332	ePdif	Pdif	04 23 15.1 -2.6
KLMR	Klimovskoe		AMP	AMP	04 23 28.8
KEV	comp=Z,1.6nm,1.2s	109.25 343	FFAKE	LR	04 27 40.0
KEV	Kevo		LR	LR	
ARCES	comp=Z,852nm,21.0s	109.80 343	PKIKP	PKIKP	04 27 24.1 -0.6
ARCES	ARCESS Array B	109.80 343			
ARCES	comp=Z,2.4nm,0.4s,baz=91,slow=1.7,SNR=4.1		pPKIKP	pPKIKP	04 27 37.8 +0.2
ARCES	comp=Z,1.7nm,0.4s,baz=81,slow=1.4,SNR=2.6		PKIKP	PKIKP	04 38 26.4 -4.5
ARCES	comp=Z,0.9nm,0.5s,baz=264,slow=2.3,SNR=6.4		PKIKP	PKIKP	04 38 37.5 -2.2
SCIA	comp=Z,2.2nm,0.9s,baz=238,slow=2.3,SNR=6.4	110.25 48	FFAKE	LR	04 27 40.0
SCIA	State Center		LR	LR	
NATX	comp=Z,557nm,20.0s	110.28 59	FFAKE	LR	04 27 40.0
NATX	Nacogdoches		LR	LR	
EYMN	comp=Z,1.1um,20.0s	110.33 41	FFAKE	LR	04 27 40.0
EYMN	Ely		LR	LR	
GNI	comp=Z,760nm,21.0s	110.53 310	FFAKE	LR	04 27 40.0
GNI	Garni		LR	LR	
MIAR	comp=Z,266nm,20.0s	110.93 56	FFAKE	LR	04 27 40.0
MIAR	Mount Ida		LR	LR	
RAYN	comp=Z,521nm,21.0s	111.32 292	eP	PKIKP	04 27 28.8 -0.1
RAYN	Ar Rayn		MLR	MLR	
RAYN	comp=Z,275nm,22.0s	111.32 292	ePKIKP	PKIKP	04 27 28.8 -0.1
RAYN	Ar Rayn		MLR	MLR	
KIV	comp=Z,275nm,22.0s	111.39 314	FFAKE	LR	04 27 40.0
KIV	Kislovodsk		LR	LR	
OBN	comp=Z,1.88nm,20.0s	112.16 327	FFAKE	LR	04 27 40.0
OBN	Obninsk		LR	LR	
JFWS	comp=Z,269nm,20.0s	112.23 46	FFAKE	LR	04 27 40.0
JFWS	Jewell Farm		LR	LR	
COWI	comp=Z,574nm,21.0s	112.32 43	FFAKE	LR	04 27 40.0
COWI	Conover		LR	LR	
FINES	comp=Z,764nm,20.0s	114.24 336	PKP	PKP	04 27 32.4 -0.9
FINES	FINESS Array B	114.24 336			
FINES	comp=Z,3.0nm,0.3s,baz=95,slow=2.5,SNR=4.8		PKIKP	PKIKP	04 27 45.1 +1.2
FINES	comp=Z,1.7nm,0.3s,baz=102,slow=2.9,SNR=4.2		PKIKP	PKIKP	04 38 13.5 -2.4
MOR	comp=Z,2.1nm,0.8s,baz=180,slow=3.8,SNR=4.9	115.17 344	eP	PP	04 28 33.2 -1.7
MOR	Moi Rana		FFAKE	LR	04 27 50.0 +1.3
GLMI	comp=Z,637nm,20.0s	115.72 43	FFAKE	LR	
GLMI	Grayling		LR	LR	
PLCA	comp=Z,637nm,20.0s	116.26 142	PKP	PKP	04 27 37.1 -0.8
PLCA	Paso Flores		PKP	PKP	04 27 49.8 -1.0
PLCA	comp=Z,0.8nm,0.4s,baz=247,slow=2.9,SNR=7.6				
PLCA	comp=Z,2.0nm,0.6s,baz=69,slow=1.7,SNR=4.8		PKIKP	PKIKP	04 38 08.7 +0.3
PLCA	comp=Z,2.0nm,0.6s,baz=78,slow=3.2,SNR=7.0		PKIKP	PKIKP	04 27 37.1 -0.8
PLCA	Paso Flores				04 27 49.8
PLCA	comp=Z,1.0nm,0.4s		pmax	pmax	
PLCA	comp=Z,2.0nm,0.6s		pmax	pmax	
PLCA	comp=Z,2.0nm,0.6s		pmax	pmax	
BRAL	comp=Z,2.0nm,0.6s	116.80 59	FFAKE	LR	04 27 50.0 +1.1
BRAL	Brewton		LR	LR	
AAM	comp=Z,595nm,21.0s	117.10 46	FFAKE	LR	04 27 50.0 +1.1
AAM	Ann Arbor		LR	LR	
SFJD	comp=Z,629nm,22.0s	117.43 11	FFAKE	LR	04 27 50.0 +1.1
SFJD	Kangerlussuaq		LR	LR	
AKASG	comp=Z,717nm,20.0s	117.98 325	PKP	PKP	04 27 39.7 -1.0
AKASG	Main Array B		PKP	PKP	04 38 00.9 -1.5
AKASG	comp=Z,3.2nm,0.4s,baz=47,slow=2.9,SNR=1.6				
AKAB	comp=Z,0.5nm,0.4s,baz=266,slow=3.7,SNR=3.1	117.98 325	ePKP	PKP	04 27 40.0 -0.7
AKAB	Main Array Si		PKP	PKP	04 27 39.5 -1.3
KIEV	Kiev	117.99 325	ePKP	PKP	04 27 40.0 -0.8
KIEV	Kiev		PKP	PKP	
KIEV	comp=Z,317nm,21.0s	117.99 325	/PKIKP	PKP	04 27 40.3 -0.5
KIEV	Kiev		pmax	pmax	
AK11	comp=Z,4.0nm,0.7s	118.02 325	ePKP	PKP	04 27 40.0 -0.8
ASF	Main Array Si	118.02 325	PKP	PKP	04 27 42.0 +0.4
ASF	Jabal al Asfar	118.07 303	PKP	PKP	
BRTR	comp=Z,0.9nm,0.4s,baz=180,slow=2.0,SNR=2.3	118.95 312	PKP	PKP	04 27 41.9 -1.3
BRTR	Keskin Array B				
BRTR	comp=Z,1.2nm,0.7s,baz=132,slow=3.7,SNR=8.0		PKP	PKP	04 27 54.1 -1.9
BRTR	comp=Z,3.3nm,0.8s,baz=126,slow=3.2,SNR=12		PKP	PKP	04 38 09.1 +9.0
MMAI	comp=Z,1.5nm,0.8s,baz=215,slow=3.9,SNR=8.6	119.15 304	FFAKE	PKP	04 27 41.3 -2.4
MMAI	Mount Meron Ar				
GOGA	comp=Z,0.6nm,0.2s,baz=126,slow=5.6,SNR=3.0	119.40 56	FFAKE	LR	04 28 00.0 +1.6
GOGA	Godfrey		LR	LR	
ANTO	comp=Z,772nm,22.0s	119.54 312</			

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like CLL Colim, GOPC GO Peeny, VAY Valandovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like TSUM Tsumeb, SENIN Lasin/Sane, BNI Bandonecchia, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes entries like WEL 03 04:15:29.3, ISK 03 04:15:44.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like AKS Akhisar, DGB Zmir, RDO Rodhopi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like SALS San Lorenzo Be, CUC Castrocuoco, ORI Oriolo Calabro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like ABVI Anegada Island, TBVI Tortola, STVI Saint Thomas, etc.

IDC 03 04:58:56.2.3.3, 24:69S, 179.90E, h489km, 33km, mb3.777, s-maj=1.97, mb1mx3.2/48, mbmp4.5/7, Error ellipse: s-maj=30.5km s-min=22.5km az=11.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like CTA Charters Tower, STKA Stephens Creek, ASAR Alice Springs, etc.

IDC 03 05:00:01.1+0.8, 17.05S, 176.94W, h0km, mb4.1/7, mb1 4.3/8, mb1mx3.9/52, mbmp4.0/8, ML3.1/1, MS4.1/1, Ms1 4.1/1, ms1mx3.1/52, Error ellipse: s-maj=39.0km s-min=19.9km az=148.0

ISC/JB 03 05:00.0.2.0.6, 17.1S, 0.2W, 177.2W, 0.1, h33km, mb4.2/13, Error ellipse: s-maj=23.4km s-min=12.1km az=158.6

NEIC 03 05:00.0.6.7.0.6, 17.19S, 177.04W, h35km, mb4.5/7, Error ellipse: s-maj=25.3km s-min=11.9km az=148.0

ISC 03 05:00.0.6.9.0.6, 17.1S, 0.2W, 177.2W, 0.1, h35km, n28, e19.13, mb4.4/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like RAO Raoul Island, DZM Mont Dzumac, THZ Topouse, etc.

ROM 03 04:25:58.7-0.1, 39.87N, 0.01W, 154E, 0.008, h9km, ML1.6/8, Southern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like MMN Mormanno, SALB San Lorenzo Be, etc.

IDC 03 04:35:48.0+3.9, 3.02N, 128.73E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.3/58, mbmp3.5/4, Error ellipse: s-maj=350.7km s-min=21.3km az=69.0, North of Halmahera

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

IDC 03 04:46:13.2.3.5, 55.49N, 86.31E, h0km, mb1 3.1/2, mb1mx2.9/74, mbmp3.1/2, ML3.1/2, Error ellipse: s-maj=59.0km s-min=23.4km az=45.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like I46RU Zalesovo INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arr, etc.

MAN 03 04:48:54.8, 13.55N, 120.57E, h53km, mb3.7, ML2.5, MS2.0, 1D, Mindoro After RSPR

NEIC 03 04:56:12.6-0.0, 19.50N, 64.83W, h77km, MD3.9(RSPR), After RSPR

RSPR 03 04:56:12.6, 19.50N, 64.83W, h77km, 5km, MD3.9/11, ISC 03 04:56:12.7-2.1, 19.51N, 0.1W, 64.87W, 0.009, h32km, 97km, n49, e0.39/69, 37C-12D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, H, m, s, ISC. Includes stations like HERR Herculan, VOIR Arges, ARR Vriocioaia, 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 OHR Ohrid, ZATK Zatriq, KRUS Krusevo, etc.

GSC	comp=Z,900nm,20.0s	LR	LR		
KDAK	Kodiak Island	77.19	13	PFAKE	LR
KDAK	comp=Z,1.1um,20.0s				07 34 30.0 +7.0
BEKR	Beckworth	77.25	41	eP	P
BEKR	comp=Z,1.7nm,1.6s				07 34 23.8 -0.3
PNTR	Pine Nut	77.29	42	PFAKE	LR
PNTR	comp=Z,600nm,22.0s				07 34 40.0 +16
HUMO	Hull Mountain	77.30	38	PFAKE	LR
HUMO	comp=Z,500nm,20.0s				07 34 40.0 +16
GLA	Glamis	77.36	49	eP	P
GLA	comp=Z,6.3nm,0.8s				07 34 24.1 -0.6
VCNR	Virginia City	77.38	42	eP	P
VCNR	comp=Z,700nm,20.0s				07 34 23.8 -1.1
VCNR	comp=Z,5.4nm,1.0s				
YERR	Yerington	77.47	42	PFAKE	LR
YERR	comp=Z,500nm,19.0s				07 34 40.0 +15
RYN	Ryan	77.73	43	eP	P
RYN	comp=Z,600nm,18.0s				07 34 26.9 +0.1
RYN	comp=Z,15nm,1.5s				
NV01	Mina Array Sit	77.77	43	eP	P
NV01	comp=Z,400nm,19.0s				07 34 27.1 0.0
NV01	comp=Z,1.1nm,0.9s,baz=224,slow=7.0,SNR=7.0				07 34 28.3 +1.2
NV01	Mina Array Bea	77.77	43	eP	P
NV01	comp=Z,1.1nm,0.9s,baz=224,slow=7.0,SNR=7.0				
NV01	comp=Z,523nm,19.8s,baz=119,slow=31				08 02 12.7
NV01	comp=Z,2.600nm,22.0s				
PAHR	Pah Rah Range	77.78	42	PFAKE	LR
PAHR	comp=Z,5.23nm,19.8s,baz=119,slow=31				07 34 40.0 +13
NV11	Mina Array Sit	77.86	43	eP	P
NV11	comp=Z,600nm,22.0s				07 34 27.6 +0.1
NV11	comp=Z,1.5nm,1.7s				
Y12C	Blythe	77.93	49	PFAKE	LR
Y12C	comp=Z,900nm,22.0s				07 34 40.0 +12
LDFC	Landfair	78.17	48	PFAKE	LR
LDFC	comp=Z,1.1um,20.0s				07 34 40.0 +11
KVN	Kaiserville	78.24	43	eP	P
KVN	comp=Z,27nm,1.9s				07 34 29.2 -0.5
COR	Corvallis	78.31	36	PFAKE	LR
COR	comp=Z,27nm,1.9s				07 34 40.0 +10
TPNV	Topopah Spring	78.35	45	eP	P
TPNV	comp=Z,1.1um,20.0s				07 34 30.9 +0.6
TPNV	comp=Z,5.5nm,1.1s				
MOD	Modoc Plateau	78.46	39	PFAKE	LR
MOD	comp=Z,900nm,21.0s				07 34 40.0 +9.3
NJ2	Nanjing	78.51	309	eP	P
NJ2	comp=Z,900nm,21.0s				07 34 31.1 +0.1
NJ2	comp=Z,2.1nm,0.6s				
K05A	Summer Lake	78.58	39	PFAKE	LR
K05A	comp=Z,2.1nm,0.6s				07 34 40.0 +8.5
SHPR	Sheep Range	78.87	46	eP	P
SHPR	comp=Z,1.1um,22.0s				07 34 33.2 0.0
SHPR	comp=Z,8.0nm,1.2s				
H04A	Detroit Lake	79.00	36	PFAKE	LR
H04A	comp=Z,900nm,21.0s				07 34 40.0 +6.5
CNPM	China Poot	79.07	13	PFAKE	LR
CNPM	comp=Z,900nm,20.0s				07 34 40.0 +6.5
HOM	Homer	79.11	13	PFAKE	LR
HOM	comp=Z,1.1um,20.0s				07 34 40.0 +6.4
PINE	Pine Mountain	79.19	38	PFAKE	LR
PINE	comp=Z,1.1um,21.0s				07 34 50.0 +15
BRLK	Bradley Lake	79.36	13	PFAKE	LR
BRLK	comp=Z,900nm,20.0s				07 34 50.0 +15
E03A	Lebam	79.39	34	PFAKE	LR
E03A	comp=Z,1.1um,20.0s				07 34 50.0 +15
R11A	Troy Canyon, C	79.53	45	eP	P
R11A	comp=Z,1.1um,21.0s				07 34 37.0 +0.3
R11A	comp=Z,6.6nm,1.4s				
BMN	Battle Mountai	79.56	42	eP	P
BMN	comp=Z,800nm,21.0s				07 34 35.9 -1.0
BMN	comp=Z,6.7nm,1.2s				
DIB	Dawson Inlet,	79.69	25	PFAKE	LR
DIB	comp=Z,500nm,21.0s				07 34 50.0 +13
SVW2	Sparrevohn	79.69	10	PFAKE	LR
SVW2	comp=Z,1.1um,22.0s				07 34 50.0 +13
NLWA	Neilton Lookou	79.75	33	PFAKE	LR
NLWA	comp=Z,600nm,19.0s				07 34 50.0 +12
WVOR	Wild Horse Val	79.78	40	PFAKE	LR
WVOR	comp=Z,900nm,20.0s				07 34 50.0 +12
TUC	Tucson	80.00	52	eP	P
TUC	comp=Z,1.1um,19.0s				07 34 38.5 -0.7
TUC	comp=Z,18nm,1.7s				
I07A	Ize	80.20	38	PFAKE	LR
I07A	comp=Z,900nm,19.0s				07 34 50.0 +10
G06A	Carlson Farm,	80.21	37	PFAKE	LR
G06A	comp=Z,600nm,22.0s				07 34 50.0 +10
CN2	Changchun	80.21	322	eP	P
CN2	comp=Z,1.1um,20.0s				07 34 41.6 +1.6
CN2	comp=Z,1.0nm,0.8s				07 44 43.6 +0.9
CN2	comp=Z,10.0nm,0.8s				
CN2	comp=Z,200nm,4.0s				
CN2	comp=Z,440nm,13.0s				
CN2	comp=Z,270nm,13.0s				
CN2	comp=Z,360nm,12.0s				
MYKOM	Kota Tinggi	80.27	275	PFAKE	LR
MYKOM	comp=Z,400nm,21.0s				07 34 50.0 +9.0
J08A	Circle Bar Ran	80.40	39	eP	P
J08A	comp=Z,400nm,21.0s				07 34 40.6 -0.7
J08A	comp=Z,26nm,2.0s				
QIZ	Qiongzong	80.43	293	P	P
QIZ	comp=Z,900nm,22.0s				07 34 41.5 -0.3
QIZ	comp=Z,380nm,16.2s				07 44 45.4 -0.6
QIZ	comp=Z,610nm,24.0s				
LCMT	Little Creek M	80.45	47	eP	P
LCMT	comp=Z,8.6nm,1.6s				07 34 41.4 -0.3
LCMT	comp=Z,800nm,21.0s				
LON	Longmire	80.46	35	PFAKE	LR
LON	comp=Z,900nm,19.0s				07 34 50.0 +8.6
D05A	Enumclaw	80.63	34	PFAKE	LR
D05A	comp=Z,800nm,19.0s				07 34 50.0 +7.8
CCUT	Cedar City	80.63	46	PFAKE	LR
CCUT	comp=Z,800nm,20.0s				07 34 50.0 +7.2
MA2	Magadan	80.73	344	PFAKE	LR
MA2	comp=Z,800nm,20.0s				07 34 50.0 +7.6
PSUT	Pine Spring	80.79	45	PFAKE	LR
PSUT	comp=Z,500nm,19.0s				07 34 50.0 +6.4
RC01	Rabbit Creek A	80.81	13	PFAKE	LR
RC01	comp=Z,800nm,20.0s				07 34 50.0 +7.2
BBB	Bella Bella	80.84	28	PFAKE	LR
BBB	comp=Z,500nm,21.0s				07 34 50.0 +6.9
BBB	comp=Z,800nm,22.0s				

SZCU	Shurtz Canyon	80.85	46	PFAKE	LR
SZCU	comp=Z,700nm,21.0s				07 34 50.0 +6.1
SUA	Susitna One	80.94	12	PFAKE	LR
SUA	comp=Z,2.1um,21.0s				07 34 50.0 +6.3
F07A	Phinny Hill Vi	81.00	36	PFAKE	LR
F07A	comp=Z,1.1um,19.0s				07 35 00.0 +16
WUAZ	Wupatki	81.05	49	PFAKE	LR
WUAZ	comp=Z,1.1um,19.0s				07 35 00.0 +15
CRAG	Craig	81.11	23	PFAKE	LR
CRAG	comp=Z,700nm,21.0s				07 35 00.0 +15
G08A	Pilot Rock	81.21	37	eP	P
G08A	comp=Z,1.1um,22.0s				07 34 44.8 -0.7
G08A	comp=Z,1.2nm,1.5s				
GLI	Glacier Island	81.22	14	PFAKE	LR
GLI	comp=Z,600nm,19.0s				07 35 00.0 +15
SKT	Skwenitna	81.25	12	PFAKE	LR
SKT	comp=Z,1.1um,21.0s				07 35 00.0 +15
FID	Port Fidalgo	81.25	15	PFAKE	LR
FID	comp=Z,800nm,20.0s				07 35 00.0 +15
WHN	Wuhan	81.26	306	P	P
WHN	comp=Z,1.1um,20.0s				07 34 47.6 +1.6
PKCU	Pink Cliffs	81.31	47	PFAKE	LR
PKCU	comp=Z,1.1um,20.0s				07 35 00.0 +14
RAGM	Ragged Mountain	81.38	16	PFAKE	LR
RAGM	comp=Z,700nm,20.0s				07 35 00.0 +14
LTY	Liberty	81.39	35	PFAKE	LR
LTY	comp=Z,2.1um,20.0s				07 35 00.0 +14
PMR	Palmer	81.39	13	PFAKE	LR
PMR	comp=Z,500nm,22.0s				07 35 00.0 +14
E07A	Sunnyside	81.43	36	PFAKE	LR
E07A	comp=Z,500nm,22.0s				07 35 00.0 +13
HAWA	Hanford	81.52	36	eP	P
HAWA	comp=Z,800nm,20.0s				07 34 45.1 -1.8
HAWA	comp=Z,5.4nm,0.9s				
GHO	Glory Hole Cre	81.60	13	eP	P
GHO	comp=Z,1.1um,20.0s				07 34 45.6 -1.5
B06A	Marblemount	81.71	34	PFAKE	LR
B06A	comp=Z,1.16nm,0.8s				07 35 00.0 +12
DIV	Divide	81.75	15	eP	P
DIV	comp=Z,800nm,20.0s				07 34 48.2 +0.3
DIV	comp=Z,24nm,1.3s				
SML	Sawmill	81.76	13	eP	P
SML	comp=Z,2.2um,22.0s				07 34 47.9 0.0
SML	comp=Z,28nm,1.1s				
TCRU	TCRU	81.78	46	eP	P
TCRU	comp=Z,700nm,21.0s				07 34 48.6 -0.3
TCRU	comp=Z,6.5nm,1.1s				
ANM	Nome	81.80	5	PFAKE	LR
ANM	comp=Z,900nm,21.0s				07 35 00.0 +12
E08A	Dider Farm, El	81.84	36	eP	P
E08A	comp=Z,1.1um,20.0s				07 34 48.6 -0.1
E08A	comp=Z,8.3nm,1.1s				
BMRM	Bremner River	81.90	15	eP	P
BMRM	comp=Z,1.1um,20.0s				07 34 47.7 -1.0
BMRM	comp=Z,48nm,1.5s				
MSU	Marysvalle	81.92	46	eP	P
MSU	comp=Z,1.1um,21.0s				07 34 49.0 -0.6
BMO	Blue Mountains	81.93	38	eP	P
BMO	comp=Z,1.2nm,1.5s				07 34 49.1 -0.2
PPLA	Purkeypille	81.97	11	PFAKE	LR
PPLA	comp=Z,800nm,19.0s				07 35 00.0 +11
SCM	Sheep Creek Mo	82.00	14	PFAKE	LR
SCM	comp=Z,900nm,21.0s				07 35 00.0 +11
KLU	Klutina	82.03	14	PFAKE	LR
KLU	comp=Z,900nm,22.0s				07 35 00.0 +11
MFID	Camas Ranch	82.04	40	eP	P
MFID	comp=Z,1.1um,22.0s				07 34 47.7 -2.2
MFID	comp=Z,1.6nm,1.6s				
W18A	Petrified Fore	82.05	50	PFAKE	LR
W18A	comp=Z,600nm,20.0s				07 35 00.0 +10
WRAK	Wrangell Islan	82.10	23	PFAKE	LR
WRAK	comp=Z,700nm,20.0s				07 35 00.0 +10
TGL	Tana Glacier	82.18	16	eP	P
TGL	comp=Z,1.1um,20.0s				07 34 49.4 -0.8
TGL	comp=Z,25nm,0.9s				
D08A	Wollman Farm,	82.24	36	eP	P
D08A	comp=Z,1.1um,21.0s				07 34 50.3 -0.5
D08A	comp=Z,23nm,1.7s				
DUG	Dugway, Tocele	82.32	44	eP	P
DUG	comp=Z,900nm,20.0s				07 34 49.8 -1.7
DUG	comp=Z,9.9nm,1.4s				
E09A	Wood Farm, Sta	82.37	37	eP	P
E09A	comp=Z,500nm,18.0s				07 34 51.1 -0.4
E09A	comp=Z,7.2nm,1.1s				
CAST	Castle Rocks	82.46	11	eP	P
CAST	comp=Z,900nm,19.0s				07 34 51.2 -0.3
CAST	comp=Z,8.7nm,0.5s				
BGU	Big Grassy Mou	82.54	43	PFAKE	LR
BGU	comp=Z,800nm,19.0s				07 35 00.0 +7.3
BGU	comp=Z,400nm,20.0s				
BALM	Baldy	82.55	16	eP	P
BALM	comp=Z,2.54nm,1.8s				07 34 51.4 -0.8
F10A	Beach Ranch, E	82.60	37	eP	P
F10A	comp=Z,1.1um,21.0s				07 34 52.9 +0.2
F10A	comp=Z,25nm,1.8s				
JIS	Juneau Island	82.76	21	eP	P
JIS	comp=Z,600nm,20.0s				07 34 52.4 -0.8
JIS	comp=Z,9.5nm,1.1s				
B08A	Colville Reser	82.77	35	eP	P
B08A	comp=Z,2.1um,22.0s				07 34 51.9 -1.6
B08A	comp=Z,15nm,1.6s				
MOIG	Morelia	82.79	67	PFAKE	LR
MOIG	comp=Z,400nm,19.0s				07 35 10.0 +16
KTH	Kantishna Hill	82.80	11	PFAKE	LR
KTH	comp=Z,900nm,18.0s				07 35 00.0 +6.6
TRF	Thorofare Moun				

TLIG	Tapas	84.39	70	eP	P	07 35 01.5	-1.1
CCB	Clear Creek Bu	84.39	12	eP	P	07 35 00.8	-0.6
CCB	comp=Z,19m,1.2s				LR		
ANMO	Albuquerque	84.39	51	P	P	07 35 02.5	+0.1
ANMO	comp=Z,1.6m,0.9s,baz=207,slo=6.0,SNR=6.4				LR		
ANMO	Albuquerque	84.39	51	eP	P	07 35 03.0	+0.5
WHY	Whitehorse	84.42	19	eP	P	07 35 00.7	-1.1
WHY	comp=Z,35m,1.9s				LR		
DLBC	Dease Lake	84.44	23	eP	P	07 35 00.6	-1.3
DLBC	comp=Z,12m,1.4s				LR		
IM3	Indian Mountai	84.55	9	eP	P	07 35 01.4	-0.8
COLA	College	84.59	12	eP	P	07 35 02.0	-0.3
COLA	comp=Z,28m,1.2s				LR		
MDM	Murphy Dome	84.59	12	eP	P	07 35 01.4	-1.1
MDM	comp=Z,1.1m,22.0s				LR		
MCMT	McKenzie Canyo	84.61	40	eP	P	07 35 02.8	-0.6
SCRK	Sand Creek	84.63	14	eP	P	07 35 02.9	+0.1
SCRK	comp=Z,7.4m,1.0s				LR		
ILAR	Eielson Array	84.69	12	P	P	07 35 02.6	-0.3
ILAR	comp=Z,4.7m,1.0s,baz=222,slo=5.4,SNR=28				LR		
ILB	Eielson Array	84.69	12	eP	P	07 35 01.2	-1.7
IL1	Eielson Array	84.69	12	eP	P	07 35 01.7	-1.3
AHID	Auburn Hatcher	84.70	42	eP	P	07 35 03.3	-0.4
GD2L	Guadalupe Moun	84.86	54	eP	P	07 35 04.8	+0.1
ENH	Enshi	84.98	304	eP	P	07 35 04.4	-0.9
DLMT	Dillon	85.03	40	eP	P	07 35 05.4	+0.1
DLMT	comp=Z,11m,1.2s				LR		
TPAW	Teton Pass	85.14	42	eP	P	07 35 05.0	-1.1
TPAW	comp=Z,8.7m,1.2s				LR		
REDW	Red Top Meadow	85.15	42	eP	P	07 35 10.5	+4.5
FXWY	Fox Creek	85.16	42	eP	P	07 35 07.7	+1.6
MAW	Mawson	85.19	199	LR	LR	08 10 22.4	
MAW	comp=Z,1.1m,1.8s						
SNOW	Snow King Moun	85.25	42	eP	P	07 35 06.8	+0.2
JTMT	Jette	85.25	37	PFAKE	LR	07 35 20.0	+1.4
JTMT	comp=Z,600m,18.0s				LR		
PSI	Prapat	85.27	274	LR	LR	08 15 46.7	
PSI	comp=Z,51.4m,18.4s,baz=91,slo=38						
S22A	4UR Ranch, Cre	85.32	48	eP	P	07 35 07.0	-0.1
S22A	comp=Z,12m,1.4s				LR		
IMW	Indian Meadow	85.34	41	eP	P	07 35 05.9	-1.2
IMW	comp=Z,16m,1.5s				LR		
LRM	Limekiln Ridge	85.35	39	eP	P	07 35 05.9	-1.1
O20A	White River Cr	85.38	46	eP	P	07 35 05.4	-1.8
O20A	comp=Z,24m,1.8s				LR		
MOOW	Moose Ponds	85.40	42	eP	P	07 35 05.9	-1.4
MOOW	comp=Z,7.0m,1.4s				LR		
LOHW	Long Hollow	85.42	42	eP	P	07 35 06.4	-1.0
LOHW	comp=Z,1.1m,1.8s				LR		
RDOG	Red Dog Mine	85.43	5	PFAKE	LR	07 35 20.0	+1.3
RDOG	comp=Z,2.1m,21.0s				LR		
QLMT	Earthquake Lak	85.49	40	eP	P	07 35 06.2	-1.5
FLWY	Flag Ranch	85.58	41	eP	P	07 35 07.3	-0.8
FLWY	comp=Z,26m,1.5s				LR		
YHB	Horse Butte	85.59	41	eP	P	07 35 05.8	-2.5
YHB	comp=Z,12m,1.2s				LR		
YPP	Pitchstone Pla	85.61	41	eP	P	07 35 06.1	-2.3
YPP	comp=Z,29m,2.0s				LR		
YFT	Old Faithful	85.67	41	eP	P	07 35 06.2	-2.5
BW06	Boulder Array	85.70	43	eP	P	07 35 05.0	-3.8
BW06	comp=Z,1.1m,1.6s				LR		
PD31	Pinedale Array	85.70	43	eP	P	07 35 05.7	-3.1
PDAR	Pinedale Array	85.70	43	eP	P	07 35 08.2	-0.7
PDAR	comp=Z,0.5m,0.9s,baz=183,slo=2.5,SNR=3.9				LR		
PDAR	Pinedale Array	85.70	43	eP	P	07 35 07.3	-1.5
YMR	Madison River	85.70	41	eP	P	07 35 05.4	-3.3
YMR	comp=Z,22m,1.5s				LR		
BOZ	Bozeman (W)	85.74	40	eP	P	07 35 07.7	-1.2
BOZ	comp=Z,19m,1.5s				LR		
H17A	Grant Village	85.81	41	eP	P	07 35 09.1	-0.3
H17A	comp=Z,900m,19.0s				LR		
DAWY	Dawson	85.83	16	eP	P	07 35 07.1	-1.6
DAWY	comp=Z,1.1m,1.1s				LR		
SMCO	Snowmass	85.83	47	eP	P	07 35 08.0	-1.8
SMCO	comp=Z,15m,1.6s				LR		
GYA	Gulyang	85.87	299	eP	P	07 35 10.2	+0.3
GYA	comp=Z,600m,20.0s				LR		
GYA	comp=Z,30m,1.0s				pmax		
GYA	comp=Z,120m,6.2s				pmax		
EGAK	Eagle	85.97	15	eP	P	07 35 08.7	-0.6
EGAK	comp=Z,9.8m,1.0s				LR		
LNIG	Linares	86.12	63	eP	P	07 35 09.1	-1.9
LNIG	comp=Z,6.8m,1.1s				LR		
WALA	Waterton Lakes	86.15	36	eP	P	07 35 08.9	-1.8
WALA	comp=Z,8.8m,1.4s				LR		
WALA	Hotter Researc	86.17	39	eP	P	07 35 10.4	-0.4
COLD	Coldfoot	86.27	10	eP	P	07 35 11.2	+0.5
COLD	comp=Z,7.7m,1.1s				LR		
SDCO	Great Sand Dun	86.27	49	eP	P	07 35 09.8	-2.0
SDCO	comp=Z,600m,20.0s				LR		
SDCO	comp=Z,2.7m,1.2s				LR		
PAYG	Puerto Ayora	86.54	90	eP	P	07 35 11.5	-1.9
PAYG	comp=Z,390m,1.6s				LR		
FYU	Fort Yukon	86.60	12	PFAKE	LR	07 35 20.0	+7.7
FYU	comp=Z,1.1m,21.0s				LR		
RWWY	Rawlins	86.77	45	eP	P	07 35 11.6	-2.5
RWWY	comp=Z,33m,1.9s				LR		
RWWY	comp=Z,1.1m,20.0s				LR		
MSTX	Muleshoe	86.78	53	eP	P	07 35 14.4	+0.2

MSTX	comp=Z,17m,1.8s				LR		
T25A	Trinidad	86.81	50	eP	P	07 35 13.7	-0.7
T25A	comp=Z,8.1m,1.6s				LR		
XAN	Xan	86.88	307	P	P	07 35 21.7	+7.1
XAN	comp=Z,400m,20.0s				pmax		
RLMT	Red Lodge	86.98	41	eP	P	07 35 15.1	+0.1
RLMT	comp=Z,12m,1.5s				LR		
Q24A	Divide	87.03	48	PFAKE	LR	07 35 30.0	+1.4
Q24A	comp=Z,500m,22.0s				LR		
GCMT	Greyhiff	87.04	40	eP	P	07 35 13.2	-2.0
ISCO	Idaho Springs	87.05	47	PFAKE	LR	07 35 30.0	+1.4
ISCO	comp=Z,900m,22.0s				LR		
N23A	Red Feather La	87.28	46	PFAKE	LR	07 35 30.0	+1.3
N23A	comp=Z,700m,21.0s				LR		
833A	Chaparral WMA	87.39	59	eP	P	07 35 17.1	0.0
833A	comp=Z,10m,1.3s				LR		
K22A	Casper	87.64	44	PFAKE	LR	07 35 30.0	+1.2
K22A	comp=Z,300m,22.0s				LR		
TOLK	Toolik Lake Re	87.65	10	PFAKE	LR	07 35 30.0	+1.2
TOLK	comp=Z,700m,21.0s				LR		
HHC	Hu-ho-hoo	87.69	314	eP	S	07 35 19.0	+0.6
HHC	comp=Z,11m,1.6s				S		
HHC	comp=Z,240m,17.2s				sS		
HHC	comp=Z,260m,17.9s				sS		
HHC	comp=Z,500m,18.0s				LR		
PHWY	Pilot Hill	87.79	46	eP	P	07 35 19.4	+0.3
PHWY	comp=Z,11m,1.6s				LR		
JCT	Junction City	87.82	57	eP	P	07 35 20.1	+0.9
JCT	comp=Z,3.0m,0.7s				LR		
AMTX	Amarillo	87.97	53	PFAKE	LR	07 35 30.0	+1.0
AMTX	comp=Z,700m,20.0s				LR		
EGMT	Eagleton	88.04	38	PFAKE	LR	07 35 30.0	+1.0
EGMT	comp=Z,600m,22.0s				LR		
ABTX	Abilene, Hawle	88.71	55	eP	P	07 35 21.7	-1.6
ABTX	comp=Z,23m,1.7s				LR		
ABTX	comp=Z,700m,20.0s				LR		
KMI	Kunming	88.73	297	P	P	07 35 23.6	-0.3
KMI	comp=Z,13m,0.5s				pP		
KMI	comp=Z,460m,4.8s				sP		
KMI	comp=Z,370m,12.3s				pmax		
KMI	comp=Z,470m,12.3s				pmax		
KSCO	Kaye Shedoc	88.85	49	eP	P	07 35 22.8	-1.2
KSCO	comp=Z,620m,22.5s				LR		
LAO	LASA Array	89.58	41	PFAKE	LR	07 35 40.0	+1.3
LAO	comp=Z,400m,18.0s				LR		
CD2	Chengdu	89.82	302	eP	P	07 35 27.5	-1.1
CD2	comp=Z,10.0m,0.5s				pmax		
CD2	comp=Z,140m,5.0s				pmax		
RSSD	Black Hills	89.91	43	PFAKE	LR	07 35 40.0	+1.1
RSSD	comp=Z,600m,19.0s				LR		
CMAR	Chiang Mai Arr	89.96	289	P	P	07 35 31.4	+2.0
CMAR	comp=Z,0.9m,0.3s,baz=72,slo=2.9,SNR=3.7				LR		
OGNE	Ogallala	90.02	47	PFAKE	LR	07 35 40.0	+1.1
OGNE	comp=Z,158m,20.1s,baz=122,slo=34				LR		
WMOK	Wichita Mounta	90.13	54	PFAKE	LR	07 35 40.0	+1.0
WMOK	comp=Z,600m,22.0s				LR		
WHTX	Lake Whitney,	90.23	57	PFAKE	LR	07 35 40.0	+1.0
WHTX	comp=Z,500m,19.0s				LR		
SYO	Syowa Base	90.35	192f	eP	P	07 35 29.0	-1.3
SYO	comp=Z,177m,1.9s				P		
INK	Inuvik	90.64	15	PFAKE	LR	07 35 40.0	+8.5
INK	comp=Z,800m,21.0s				LR		
CBK3	Cedar Bluff	90.86	50	PFAKE	LR	07 35 40.0	+6.7
CBK3	comp=Z,500m,19.0s				LR		
HKT	Hockley	90.87	59	PFAKE	LR	07 35 40.0	+6.7
HKT	comp=Z,400m,19.0s				LR		
PLCA	Paso Flores	90.89	133	LR	LR	08 11 10.4	
PLCA	comp=Z,370m,18.1s,baz=274,slo=32						
SNA	Sanae	91.45	178	P	P	07 35 34.1	-1.4
SNA	comp=Z,368m,19.0s,baz=177,slo=34				P		
VNA3	Neumayer Olym	91.54	176	P	P	07 35 35.1	-0.8
DGMT	Dagmar	91.57	39	PFAKE	LR	07 35 50.0	+1.4
DGMT	comp=Z,1.1m,21.0s				LR		
GO05	Hualaeso	92.10	127	PFAKE	LR	07 35 50.0	+1.1
GO05	comp=Z,1.1m,21.0s				LR		
VNA1	Neumayer-Stat	92.21	176	P	P	07 35 35.3	-3.6
NATX	Nacogdoches	92.40	58	PFAKE	LR	07 35 50.0	+9.5
NATX	comp=Z,400m,20.0s				LR		
TUL1	Leonard	92.83	53	PFAKE	LR	07 35 50.0	+7.6
TUL1	comp=Z,600m,20.0s				LR		
YKA	Yellowknife Ar	92.91	24	LR	LR	08 09 50.8	
YKA	comp=Z,116m,21.9s,baz=244,slo=30						
BGNE	Belgrade	92.91	48	PFAKE	LR	07 35 50.0	+7.3
BGNE	comp=Z,700m,19.0s				LR		
YKW3	Yellowknife Ar	92.94	24	PFAKE	LR	07 35 50.0	+7.8
YKW3	comp=Z,1.1m,22.0s				LR		
240A	Hunter Patters	93.21	58	PFAKE	LR	07 36 00.0	+1.6
240A	comp=Z,500m,22.0s				LR		
KSU1	Kansas State U	93.25	50	PFAKE	LR	07 35 50.0	+5.7
KSU							

E38A E38A	The Farm, Brul	99.02	44	PFAKE LR	LR	07 36 20.0	+10
HDIL HDIL	Hopedale	99.06	50	PFAKE LR	LR	07 36 20.0	+9.3
WVT WVT	Waverly	99.08	55	PFAKE LR	LR	07 36 20.0	+9.2
L42A L42A	Oliver, Polo	99.15	49	PFAKE LR	LR	07 36 20.0	+9.0
X48A X48A	Hartselle	99.29	57	PFAKE LR	LR	07 36 20.0	+8.2
EYMN EYMN	Ely	99.40	43	PFAKE LR	LR	07 36 20.0	+8.0
OLIL OLIL	Olney	99.51	52	PFAKE LR	LR	07 36 20.0	+7.3
41A 41A	Arkdale	99.52	47	PFAKE LR	LR	07 36 20.0	+7.4
G40A G40A	Rib Lake	99.59	46	PFAKE LR	LR	07 36 20.0	+7.1
USIN USIN	University of	99.65	53	PFAKE LR	LR	07 36 20.0	+6.7
Y49A Y49A	Blount Mountai	99.65	58	PFAKE LR	LR	07 36 20.0	+6.5
V48A V48A	Smith Brothers	99.78	56	PFAKE LR	LR	07 36 20.0	+6.0
H41A H41A	Junction City	99.81	46	PFAKE LR	LR	07 36 20.0	+6.1
T47A T47A	Sharon Grove	99.85	54	PFAKE LR	LR	07 36 30.0	+16
LSA LSA	Lhasa	99.90	298	PFAKE LR	LR	07 36 30.0	+15
Z50A Z50A	Ashland	99.90	58	PFAKE LR	LR	07 36 30.0	+15
P45A P45A	Graceland, Par	99.97	52	PFAKE LR	LR	07 36 30.0	+15
I42A I42A	Draeger Farm,	100.15	47	PFAKE LR	LR	07 36 30.0	+15
M44A M44A	Midewin, Midew	100.18	50	PFAKE LR	LR	07 36 30.0	+14
K43A K43A	Burlington	100.28	48	PFAKE LR	LR	07 36 30.0	+14
SWET SWET	Sewanee	100.36	56	PFAKE LR	LR	07 36 30.0	+13
F41A F41A	Three Lakes	100.45	45	PFAKE LR	LR	07 36 30.0	+13
COWI COWI	Conover	100.52	45	PFAKE LR	LR	07 36 30.0	+13
H42A H42A	Shiocton	100.56	47	PFAKE LR	LR	07 36 30.0	+13
SFIN SFIN	Lafayette	100.65	51	PFAKE LR	LR	07 36 30.0	+12
152A 152A	Waverly Hall	100.75	59	PFAKE LR	LR	07 36 30.0	+12
WCI WCI	Wyandotte Cave	100.77	53	PFAKE LR	LR	07 36 30.0	+12
G42A G42A	Mountain	100.80	46	PFAKE LR	LR	07 36 30.0	+12
BLO BLO	Bloomington	100.81	52	PFAKE LR	LR	07 36 30.0	+12
W50A W50A	Signal Mountai	100.85	56	PFAKE LR	LR	07 36 30.0	+11
C40A C40A	Isle Royale Na	100.93	43	PFAKE LR	LR	07 36 30.0	+11
X51A X51A	Calhoun	101.07	57	PFAKE LR	LR	07 36 30.0	+10
H43A H43A	Windswept, Lux	101.08	47	PFAKE LR	LR	07 36 30.0	+10
T49A T49A	Edmonton	101.10	55	PFAKE LR	LR	07 36 30.0	+10
D41A D41A	Chassel	101.12	44	PFAKE LR	LR	07 36 30.0	+10
G43A G43A	Wallace	101.32	46	PFAKE LR	LR	07 36 30.0	+9.5
M46A M46A	Old House Fiel	101.43	50	PFAKE LR	LR	07 36 30.0	+8.9
CPCT CPCT	Cooper Cave	101.53	56	PFAKE LR	LR	07 36 30.0	+8.2
Y52A Y52A	Liburn	101.56	58	PFAKE LR	LR	07 36 30.0	+8.1
957A 957A	Wimauma	101.71	65	PFAKE LR	LR	07 36 30.0	+7.3
V51A V51A	Loudon	101.75	56	PFAKE LR	LR	07 36 30.0	+7.3
W52A W52A	Murphy	101.93	57	PFAKE LR	LR	07 36 30.0	+6.4
GOGA GOGA	Godfrey	101.94	59	PFAKE LR	LR	07 36 30.0	+6.4
E43A E43A	Lone Tree Farm	102.03	45	PFAKE LR	LR	07 36 30.0	+6.3
154A 154A	Montrose	102.06	59	PFAKE LR	LR	07 36 40.0	+16
TKL TKL	Tuckaleechee C	102.17	56	PFAKE LR	LR	07 36 40.0	+15
V52A V52A	Sevierville	102.35	56	PFAKE LR	LR	07 36 40.0	+15
S51A S51A	Beattyville	102.72	54	PFAKE LR	LR	07 36 40.0	+13
E44A E44A	Grand Marais A	102.80	45	PFAKE LR	LR	07 36 40.0	+13
V53A V53A	Saluda	102.94	56	PFAKE LR	LR	07 36 40.0	+12
GLMI GLMI	Grayling	103.36	47	PFAKE LR	LR	07 36 40.0	+10
ROSC ROSC	El Rosal	103.39	89	PFAKE LR	LR	07 36 40.0	+9.0
PAULI PAULI	Pauline	103.57	57	PFAKE LR	LR	07 36 40.0	+9.1
AAM AAM	Ann Arbor	103.58	50	PFAKE LR	LR	07 36 40.0	+9.3
JSC JSC	Jenkinsville	103.92	58	PFAKE LR	LR	07 36 40.0	+7.6

KMSC KMSC	Kings Mountain	104.02	57	PFAKE LR	LR	07 36 40.0	+7.1
RES RES	Resolute Bay	104.17	16	PFAKE LR	LR	07 36 40.0	+7.5
BLA BLA	Blacksburg	105.13	55	PFAKE LR	LR	07 41 00.0	
NCAT NCAT	North Carolina	105.44	57	PFAKE LR	LR	07 41 00.0	
MCWV MCWV	Mont Chateau	105.97	53	PFAKE LR	LR	07 41 00.0	
N54A N54A	Moraine State	106.06	51	PFAKE LR	LR	07 41 10.0	
ERPA ERPA	Erie	106.24	50	PFAKE LR	LR	07 41 10.0	
M54A M54A	Oil Creek Stat	106.39	51	PFAKE LR	LR	07 41 10.0	
O56A O56A	Blue Knob Stat	107.04	52	PFAKE LR	LR	07 41 10.0	
SADO SADO	Sadowa	107.20	48	PFAKE LR	LR	07 41 10.0	
CVRD CVRD	Centerville Ro	107.31	55	PFAKE LR	LR	07 41 10.0	
SSPA SSPA	Standing Stone	107.60	52	PFAKE LR	LR	07 41 10.0	
CBN CBN	Corbin Frederi	107.65	55	PFAKE LR	LR	07 41 10.0	
PAGS PAGS	Pennsylvania G	108.43	53	PFAKE LR	LR	07 41 10.0	
PLVO PLVO	Plevna	108.69	48	PFAKE LR	LR	07 41 10.0	
BINY BINY	Binghamton	109.20	51	PFAKE LR	LR	07 41 10.0	
N59A N59A	State Game Lan	109.23	52	PFAKE LR	LR	07 41 10.0	
PSUB PSUB	Penn St. - Bra	109.36	53	PFAKE LR	LR	07 41 10.0	
LONY LONY	Lake Ozonia	110.42	48	PFAKE LR	LR	07 41 10.0	
TULEG TULEG	Thule	110.61	14	PFAKE LR	LR	07 41 10.0	
PAL PAL	Palisades	110.64	52	PFAKE LR	LR	07 41 10.0	
KURK KURK	Kurchatov	112.13	318	PFAKE LR	LR	07 41 20.0	
LBNH LBNH	Lisbon	112.30	49	PFAKE LR	LR	07 41 20.0	
HRV HRV	Adam Dziewonsk	112.50	51	PFAKE LR	LR	07 41 20.0	
KSH KSH	Kashi	113.73	306	ePKP PP	PKP	07 41 08.7 +0.3 07 42 08.4 +6.8	
PKME PKME	Peaks-Kenny Pk	114.20	48	PFAKE LR	LR	07 41 20.0 +11	
SJG SJG	San Juan	114.32	77	PFAKE LR	LR	07 41 20.0 +10	
CBYP CBYP	Canovanas	114.63	77	PFAKE LR	LR	07 41 20.0 +9.4	
SCHO SCHO	Schefferville	115.27	37	PFAKE LR	LR	07 41 20.0 +9.3	
SABA SABA	Saba	116.95	79	PFAKE LR	LR	07 41 30.0 +15	
SMRT SMRT	St. Maarten	117.19	78	PFAKE LR	LR	07 41 30.0 +15	
KBS KBS	Kingsbay	117.90	358	PFAKE LR	LR	07 41 30.0 +15	
ILULI ILULI	Ilulissat	118.11	19	PFAKE LR	LR	07 41 30.0 +14	
SFJD SFJD	Kangerlussuaq	119.32	21	PFAKE LR	LR	07 41 30.0 +12	
SUMG SUMG	Summit	119.53	13	PFAKE LR	LR	07 41 30.0 +11	
ARU ARU	Arti	122.91	327	PFAKE LR	LR	07 41 40.0 +15	
SCO SCO	Scoresbysund	124.41	10	PFAKE LR	LR	07 41 40.0 +12	
ANGG ANGG	Ammassalik, Gr	124.42	19	PFAKE LR	LR	07 41 40.0 +12	
ARCES ARCES	ARCES Array B	125.68	351	PKP PKP	PKP	07 41 30.1 -0.2	
GYA0B GYA0B	ALIBECK ARRAY	127.73	305	PFAKE LR	LR	07 41 50.0 +15	
OBN OBN	Obninsk	134.16	334	PFAKE LR	LR	07 42 00.0 +13	
KONO KONO	Kongsberg	137.16	355	PFAKE LR	LR	07 42 00.0 +7.8	
KIV KIV	Kislovodsk	137.20	317	PFAKE LR	LR	07 42 00.0 +7.0	
AKBB AKBB	Malin Array Si	140.42	334	PFAKE LR	LR	07 42 10.0 +12	
KIEV KIEV	Kiev	140.43	334	PFAKE LR	LR	07 42 10.0 +11	
KIS KIS	Kishinev	143.33	330	ePKP eLR	PKP	07 42 15.0 +11 08 35 04.0	
KWP KWP	Kalwaria Pacla	143.80	338	PFAKE LR	LR	07 42 20.0 +15	
ILGA ILGA	Ilgaz	144.40	319	PFAKE LR	LR	07 42 20.0 +14	
CRVS CLL	Cervenica-Dubn	144.86	339	ePKP PFAKE	PKP	07 42 12.1 +5.6 07 42 20.0 +14	
DPC BRG	Dobruska-Polom	145.08	345	ePKP ePKP	PKP	07 42 09.2 +2.3 07 42 10.2 +3.3	
BR131 BR131	Keskin Array S	145.16	317	ePKP PKP	PKP	07 42 07.0 0.0 07 42 08.0 +0.5	
MORC MORC	Moravsky Berou	145.29	344	ePKP ePKP	PKP	07 42 07.2 0.0 07 42 07.2 0.0	
MORC LANS	Moravsky Berou	145.29	344	ePKP ePKP	PKP	07 42 09.0 +1.9 07 42 13.2 +6.0	
TIRR TIRR	Tirgusor	145.33	327	PFAKE LR	LR	07 42 20.0 +13	
ANTO ANTO	Ankara	145.63	318	PFAKE LR	LR	07 42 20.0 +11	
MLR MLR	Muntele Rosu	145.79	331	ePKP LR	PKP	07 42 09.0 +0.2	

VRAC VYHS	Vranov Yyhne	145.97 146.07	344 341	ePKP ePKP	PKP	07 42 13.0 +3.2 07 42 12.8 +3.0	
JAVC PSZ	Velka Javorina Piszkesteto	146.09 146.24	343 340	ePKP PFAKE	PKP	07 42 12.3 +2.1 07 42 20.0 +9.2	
KRUC MODS	Moravsky Madrna-Piesok	146.25 146.64	344 343	ePKP ePKP	PKP	07 42 11.7 +1.0 07 42 19.0 +6.8	
GRFO GRFO	Gralenberg	146.75	350	PFAKE LR	LR	07 42 20.0 +7.4	
KHC KHC	Kasperske Hory	146.85	347	ePKP ePKP	PKP	07 42 14.5 +1.5 07 42 19.0 -2.4	
KHC KHC	Kasperske Hory	146.85	347	ePKP ePKP	PKP	07 42 11.4 -0.3	
MMAI GEC2	Mount Meron Ar	146.86	305	PKP GEC2	PKP	07 42 13.0 +0.7	
GEC2 GEC2	GERESS Array S	147.09	347	ePKP PFAKE	PKP	07 42 20.0 +5.9	
GERES GERES	GERESS Array B	147.09	347	ePKP PFAKE	PKP	07 42 12.2 -0.3	
GEOA WLF	GERESS Array S	147.10	347	ePKP PFAKE	PKP	07 42 11.3 +0.9 07 42 20.0 +5.2	
WLF WLF	Waiferdange	147.33	356	PFAKE LR	LR		
MBAR MBAR	Mbarara	147.64	240	PFAKE LR	LR	07 42 20.0 +2.6	
STU STU	Stuttgart	147.93	352	PFAKE LR	LR	07 42 20.0 +2.7	
ISP ISP	Isparta	148.24	316	PFAKE LR	LR	07 42 20.0 +1.0	
BFO BFO	Black Forest	148.47	353	ePKP LR	PKP	07 42 16.6 +0.4	
ECH ECH	Echery	148.70	355	PFAKE LR	LR	07 42 20.0 -0.4	
ALN ALN	Alexandroupoli	149.05	325	PFAKE LR	LR	07 42 20.0 -2.0	
MANT MANT	Manisa	149.12	319	PFAKE LR	LR	07 42 30.0 +7.3	
VTS VTS	Vitosha	149.27	330	PFAKE LR	LR	07 42 30.0 +6.9	
DIVS DIVS	Divibare	149.46	336	ePKP ePKP	PKP	07 42 15.2 +0.8 07 42 18.6 -0.3	
JAVS DAVOS	Javornik Davos/Dischmat	149.78 149.79	345 351	ePKP ePKP	PKP	07 42 21.1 +0.5 07 42 21.6 +1.9	
BOJS FUORN	Bojanci Ofenpass-Fuorn	149.83 149.88	343 350	ePKP ePKP	PKP	07 42 21.3 +1.7 07 42 16.1 +0.9	
FUORN FUORN	Ofenpass-Fuorn	149.88	350	ePKP ePKP	PKP	07 42 22.0 +1.0 07 42 27.1 +0.4	
BLY BLY	Banja Luka	149.92	340	PFAKE LR	LR	07 42 30.0 +4.6	
TRI TRI	Trieste	150.03	345	PFAKE LR	LR	07 42 30.0 +4.2	
TUE TUE	Stuetta	150.17	351	ePKP ePKP	PKP	07 42 20.5 -0.2 07 42 27.3 +0.2	
SENIN SENIN	Lac Senin/Sane	150.52	354	ePKP ePKP	PKP	07 42 12.8 -3.4 07 42 21.1 -0.5	
TTG TTG	Podgorica	151.15	335	PFAKE LR	LR	07 42 30.0 -0.6	
LIT LIT	Litokhoron	151.51	328	PFAKE LR	LR	07 42 30.0 -2.2	
FNA FNA	Florina	151.54	330	ePKP ePKP	PKP	07 42 15.4 -2.3 07 42 23.5 -0.4	
KARP KARP	Karpathos	151.74	315	PFAKE LR	LR	07 42 30.0 -3.4	
SSB BNI	Saint Sauver Bardonecchia	151.79 151.88	358 355	ePKP PFAKE	PKP	07 42 22.8 -1.6 07 42 30.0 -3.7	
SANT SANT	Santorini	152.37	319	PFAKE LR	LR	07	

ellipsoe: s-maj=1.4km s-min=0.6km az=32.0
ISC 03 07:26:12.2 0.8, 37.85N, 0.02, 26.71E, 0.02, h15km, 6km,
n81, c121/115, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists seismic stations and their recorded data for the event.

Table with columns: ALJA, Alia, 0.17 281, S, Sg, 07 32 48.4 +0.8. Lists station data for Alia and other stations in the region.

CASC 03 07:47:22.6 1.6, 15.70N-89.45W, h37km, 999km, ML3.9, 1C-1D, Guatemala

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists seismic stations and their recorded data for the Guatemala event.

SOME 03 07:53:03.5, 39.83N, 75.40E, h0km, KRINET 03 07:53:05.9 0.1, 39.83N, 75.35E, mb3.7, NNC 03 07:53:07.7 1.4, 39.87N, 75.31E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=13.1km s-min=4.7km az=156.0

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists seismic stations and their recorded data for the event in Xinjiang.

Table with columns: DRK, baz=64, 0.17 281, S, Sg, 07 32 48.4 +0.8. Lists station data for various stations including DRK, BOOM, KBK, AAK, FRU1, EKS2, TKM2, CHMS, ARK, KST, MRKS, IZV, MTBS, MNAS, PRZ, USP, MDOK, KOTS, KTBS, ZHN, KUU, CHKK, UZB, KPKS, SHLS, PDGK, ARXS, KK31, and ARS5.

KRAR 03 08:09:36.0 0.4, 53.60N-87.94E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)
NNC 03 08:09:38.0 0.2, 9.5347N-87.64E, h0km, mb3.8, mpv3.5, 7C-4D, Error ellipse: s-maj=22.1km s-min=11.7km az=65.0, Suspected Mining explosion., Southwestern Siberia

Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like MOY, TIXI, GYA, GYU, etc.

Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like MAKZ, SHL, TOLK, KURK, etc.

Table with columns for station call letters, name, frequency, power, and coordinates. Includes stations like RES, YKA, ARCES, KLMR, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bishkek, Kashi, Kurchatov, Kura, etc.

NIED 03 10:21:00, 39.30N, 142.10E, h53km, Mw4.9 Best double couple: M2=50000x1016 NP1=188.00000, 816.00000, 1.75, 0.00000...

MOS 03 10:21:14.5, 0.9, 39.27N, 141.93E, h31km, mb5, 1.66, MS4.2/19, Error ellipse: s-maj=7.8km s-min=4.1km az=109.2

BUI 03 10:21:15.4, 39.21N, 142.23E, h60km, mb4.9/60, mb5, 1/38, MS4.5/40, Ms7.4/36

IDC 03 10:21:18.9, 1.6, 39.33N, 141.98E, h55km, 14km, mb4.2/36, mb1.4/44, ms1mx3.8/69, Error ellipse: s-maj=12.3km s-min=9.1km az=113.0

JMA 03 10:21:18.1, 39.34N, 142.09E, h48km, 1km, M4.8, JMA Felt III J1

ISC/JB 03 10:21:18.4, 0.3, 39.37N, 0.02, 141.93E, 0.03, h57km, 2km, mb4.8/192, MS4.2/50, Error ellipse: s-maj=4.2km s-min=2.9km az=42.4

GCMT 03 10:21:19.7, 0.3, 39.46N, 0.02, 142.07E, 0.03, h47km, 1km, MW5.0/86, Moment Tensor Solution, s=48, c=59, s=86, c=127, Duration: 0 Moment tensor: Scale 10^16Nm; M3-2.2z-18; Mw=0.84z-11; Ms=2.38z-11; Mo=0.99z-09; Mo=0.77z-08; Mw=2.04z-09; Best double couple: M3.727000, 1016 NP1=24.00000, 864.00000, 1.91, 0.00000...

NEIC 03 10:21:20.7, 0.4, 39.35N, 141.88E, h66km, 3km, mb4.8/106, Error ellipse: s-maj=3.8km s-min=2.8km az=147.0

NEIC Felt at Ishinomaki and Morioka. Recorded [3 JMA] in Iwate

ISC 03 10:21:18.1, 0.3, 39.32N, 0.03, 142.11E, 0.04, h51km, 2km, h51km, pP-P, N485, c1943/520, mb4.8/196, MS4.3/51, 43C-14D, Near east coast of eastern Honshu

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

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists numerous seismic stations and their recorded data.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists seismic stations and their recorded data, including a 3d 10h plot reference.

Table of seismic events with columns for station name, magnitude, depth, and time. Includes stations like BUR08, ULM, SRU, UZH, TRPA, etc.

Table of seismic events with columns for station name, magnitude, depth, and time. Includes stations like RAYN, S22A, MDVR, KHC, MORH, etc.

Table of seismic events with columns for station name, magnitude, depth, and time. Includes stations like Z50A, SNAAS, SNAAS, VNA3, etc.

ISK 03 10:30:57.4, 37°89'N-26°77'E, h9km, ML2.3/7
DDA 03 10:30:58.4, 37°90'N-26°76'E, h16km, ML2.6
ISD 03 10:30:57.8, 1.2, 37.89N-0.03-26.75E, 0.04, h13km, 12km,

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

BER 03 10:32:24.5, 1.6, 69°55'N-30°10'E, h0km, MLO.9, Suspected explosion

HEL 03 10:32:22.8, 0.2, 69°52'N-29°31'E, h0km, ML1.8, Explosion, Norway-Murmanns border region

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

KOLA 03 10:33:18.2, 67°66'N-33°98'E, M1.6, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS

HEL 03 10:33:19.8, 0.3, 67°55'N-33°76'E, h0km, ML2.1, Explosion, Baltic States-Belarus-Northwestern Russia

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

ISCJB 03 10:38:27.5, 0.6, 36°70'N-0°03-7°94'W, 0.03, h73km, 5km, Error ellipse: s-maj=5.9km s-min=3.6km az=33.2

MDD 03 10:38:27.6, 0.6, 36°53'N-8°06'W, h37km, 13km, mblq2.4/3, Error ellipse: s-maj=6.5km s-min=4.4km az=60.0, PRXIMO

CNRM 03 10:38:28.8, 36°33'N-7°82'W, h20km, ML2.9, INMG 03 10:38:28.2, 1.1, 36°60'N-8°05'W, h20km, ML2.4, Error ellipse: s-maj=3.8km s-min=1.9km az=44.0

IGIL 03 10:38:29.0, 36°65'N-8°04'W, h18km, ML2.3, ISC 03 10:38:27.1, 0.4, 36°59'N-0°05-8°03'W, 0.04, h58km, 12km, n68, r1915/120, 8C-1D, West of Gibraltar

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

3d 10h

Table with columns: PVAQ, Vaqueiros, 0.85, 17, P, Pn, 10 38 43.3 +0.4, 10 38 54.3 -0.4, 10 38 58.1, 47nm, 0.1s, 0.85, 17, P, Pn, 10 38 43.3 +0.4, 10 38 54.3 -0.4, MORF, Marmetele, 0.87, 325, eP, Pn, 10 38 43.4 +0.1, 10 38 55.0 -0.3, 66nm, 0.2s, 0.87, 325, P, S, 10 38 43.4 +0.1, 10 38 55.0 -0.3, EGRO, El Granado, 1.03, 25, P, S, 10 38 46.0 +0.6, 17nm, 0.2s, 1.04, 359, eP, Pn, 10 38 46.2 +0.8, 29nm, 0.1s, 1.04, 359, P, S, 10 38 46.2 +0.8, 29nm, 0.1s, 1.04, 359, P, S, 10 38 46.2 +0.8, PTEO, Sao Teotonio, 1.10, 330, eP, Pn, 10 38 46.9 +0.6, 31nm, 0.4s, 1.10, 330, P, S, 10 38 46.9 +0.6, PTEO, Sao Teotonio, 1.10, 330, P, S, 10 38 46.9 +0.6, MESJ, Messejana, 1.25, 353, eP, Pn, 10 38 49.2 +0.9, MESJ, Messejana, 1.25, 353, eS, Pn, 10 39 04.4 +0.2, MESJ, Messejana, 1.25, 353, P, S, 10 38 49.2 +0.9, PBEJ, Beja, 1.44, 5, eS, S, 10 39 09.6 +1.0, PBEJ, Beja, 1.44, 5, S, S, 10 39 09.6 +1.0, PNCL, Nicolau / Gran, 1.57, 345, ePn, Pn, 10 38 53.1 +0.6, PNCL, Nicolau / Gran, 1.57, 345, eS, Pn, 10 39 16.4 -0.2, PNCL, Nicolau / Gran, 1.57, 345, P, Pn, 10 38 53.2 +0.3, EMIN, Mina Cocepio, 1.59, 42, P, S, 10 39 13.1 +0.7, EMIN, Mina Cocepio, 1.59, 42, S, S, 10 39 13.1 +0.7, PBAR, Barrancos, 1.76, 26, ePn, Pn, 10 38 55.9 +0.7, PBAR, Barrancos, 1.76, 26, eS, Pn, 10 39 32.6, PBAR, Barrancos, 1.76, 26, P, S, 10 38 55.9 +0.7, PBAR, Barrancos, 1.76, 26, P, S, 10 39 16.4 -0.2, EVO, Evora, 1.94, 0, ePn, Pn, 10 38 58.5 +1.0, EVO, Evora, 1.94, 0, eS, Pn, 10 39 20.6 -0.1, EVO, Evora, 1.94, 0, P, S, 10 38 58.5 +1.0, EVO, Evora, 1.94, 0, P, S, 10 39 20.6 -0.1, ECEU, Ceuta, 2.25, 107, P, S, 10 39 02.8 +1.0, ECEU, Ceuta, 2.25, 107, P, S, 10 39 27.2 -1.2, PESTR, Estremoz, 2.30, 9, ePn, Pn, 10 39 03.3 +0.8, PESTR, Estremoz, 2.30, 9, eS, Pn, 10 39 29.7 +0.1, PESTR, Estremoz, 2.30, 9, P, S, 10 39 03.3 +0.8, EBAD, Badajoz, 2.30, 20, P, Pn, 10 39 03.0 +0.5, EBAD, Badajoz, 2.30, 20, P, Pn, 10 39 29.4 -0.3, PMTG, Montargil, 2.48, 356, ePn, Pn, 10 39 05.7 +0.8, PMTG, Montargil, 2.48, 356, eS, Pn, 10 39 33.4 -0.6, PMTG, Montargil, 2.48, 356, P, S, 10 39 36.2, HORN, Hornachuelos, 2.54, 60, P, Pn, 10 39 07.7 +1.9, HORN, Hornachuelos, 2.54, 60, P, Pn, 10 39 37.4 +1.9, ECAB, El Cabril, 2.55, 54, P, Pn, 10 39 06.6 +0.7, ECAB, El Cabril, 2.55, 54, P, S, 10 39 34.7 -1.1, PMAFR, Mafrá, 2.56, 337, ePn, Pn, 10 39 07.2 +1.1, PMAFR, Mafrá, 2.56, 337, eS, Pn, 10 39 35.8 -0.2, PMAFR, Mafrá, 2.56, 337, P, Pn, 10 39 07.1 +1.1, PMAFR, Mafrá, 2.56, 337, P, S, 10 39 35.4 -0.6, PMRV, Marv??o, 2.88, 10, ePn, Pn, 10 39 11.1 +0.7, PMRV, Marv??o, 2.88, 10, eS, Pn, 10 39 43.1 -0.6, PMRV, Marv??o, 2.88, 10, P, S, 10 39 11.1 +0.7, PMRV, Marv??o, 2.88, 10, P, S, 10 39 43.1 -0.6, PTOM, Tomar, 3.04, 354, ePn, Pn, 10 39 13.6 +1.1, PTOM, Tomar, 3.04, 354, eS, Pn, 10 39 47.5 +0.1, PTOM, Tomar, 3.04, 354, P, Pn, 10 39 13.6 +1.1, EADA, Adamuz, 3.16, 59, P, Pn, 10 39 17.2 +0.9, EADA, Adamuz, 3.16, 59, P, S, 10 39 49.7 -1.1, EGOR, Sierra Gorda, 3.19, 79, S, S, 10 39 51.9 +0.4, PCBR, Castelo Branco, 3.27, 7, ePn, Pn, 10 39 16.8 +1.1, PCBR, Castelo Branco, 3.27, 7, eS, Pn, 10 39 52.6 -0.8, PCBR, Castelo Branco, 3.27, 7, P, S, 10 39 16.8 +1.1, PCBR, Castelo Branco, 3.27, 7, P, S, 10 39 52.6 -0.8, ELGU, Los Guajares, 3.54, 84, S, S, 10 40 00.3 +0.1, EQU, Quentar, 3.73, 79, P, S, 10 39 23.4 +1.3, EQU, Quentar, 3.73, 79, P, S, 10 40 03.9 -0.8, EPLA, Plasencia, 3.79, 23, P, Pn, 10 39 24.2 +1.3, EPLA, Plasencia, 3.79, 23, S, S, 10 40 04.8 -1.4, MTE, Manteigas, 3.82, 6, ePn, Pn, 10 39 23.7 +0.4, MTE, Manteigas, 3.82, 6, eS, Pn, 10 40 06.1 -0.9, MTE, Manteigas, 3.82, 6, P, S, 10 39 23.7 +0.4, MTE, Manteigas, 3.82, 6, P, S, 10 40 06.1 -0.9, GORA, Gorafe, 4.08, 76, P, S, 10 40 13.9 +0.4, PVIS, Viseu, 4.12, 1, eS, Pn, 10 40 13.5 -0.8, PVIS, Viseu, 4.12, 1, S, Pn, 10 40 13.5 -0.8, EQES, Quesada, 4.14, 72, P, Pn, 10 39 30.3 +2.6, EQES, Quesada, 4.14, 72, S, S, 10 40 13.3 -1.5, PAB, San Pablo, 4.14, 43, P, Pn, 10 39 28.6 +0.9, PAB, San Pablo, 4.14, 43, P, S, 10 40 11.0 -3.7, ESDC, Sonseca Array, 4.45, 49, P, Pn, 10 39 32.7 +0.9, ESDC, Sonseca Array, 4.45, 49, P, S, 10 40 20.7 -1.5, SESP, Santiago Espad, 4.62, 69, S, S, 10 40 25.8 -1.1, MVO, Moncorvo, 4.63, 9, ePn, Pn, 10 39 35.2 +0.7, MVO, Moncorvo, 4.63, 9, eS, Pn, 10 40 24.7 -2.2, MVO, Moncorvo, 4.63, 9, P, A, 10 40 26.5, MVO, Moncorvo, 4.63, 9, P, S, 10 39 35.1 +0.7, MVO, Moncorvo, 4.63, 9, S, S, 10 40 24.6 -2.3

2012 AUG

Table with columns: MDT, Midelt, 4.70, 142, P, Pn, 10 39 35.2 -0.3, MDT, Midelt, 4.70, 142, S, Pn, 10 40 24.7 -4.0, POLO, Lamas de Olo, 4.78, 2, ePn, S, 10 39 37.3 +0.8, POLO, Lamas de Olo, 4.78, 2, eS, S, 10 40 29.5 -1.1, POLO, Lamas de Olo, 4.78, 2, P, S, 10 40 31.2 +0.8, GUD, Guadarrama, 5.05, 36, P, Pn, 10 39 41.3 +1.0, GUD, Guadarrama, 5.05, 36, S, S, 10 40 34.9 -2.5, PCAB, Cabril, 5.11, 360, ePn, Pn, 10 39 42.2 +1.2, PCAB, Cabril, 5.11, 360, eS, Pn, 10 40 36.1 -2.5, PCAB, Cabril, 5.11, 360, P, S, 10 39 42.2 +1.2, PCAB, Cabril, 5.11, 360, P, S, 10 40 36.1 -2.5, ELOB, Lobios, 5.27, 360, P, Pn, 10 39 43.9 +0.8, ELOB, Lobios, 5.27, 360, S, S, 10 40 41.1 -1.5, PGAV, Gaveira, Arco, 5.37, 358, ePn, Pn, 10 39 45.6 +1.0, PGAV, Gaveira, Arco, 5.37, 358, eS, Pn, 10 40 43.2 -1.9, ETOB, Tobarra, 5.54, 66, S, Pn, 10 40 46.5 -2.6, ETOB, Tobarra, 5.54, 66, P, S, 10 39 57.3 +1.4, ETOR, Torote, 6.29, 46, P, Pn, 10 39 58.5 +1.3, ETOR, Torote, 6.29, 46, S, S, 10 41 05.9 -1.8, EMOS, Mosqueruela, 7.02, 55, S, S, 10 41 24.6 -1.2

NEIC 03 10:44:31.2e.0, 50:58N x 177:37W, h16km, ML2.8(AEIC), After AEIC., Andraean Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, AMKA, Amchitka, 2.25, 292, Op, Pn, 10 45 37.9 -1.0, AMKA, Amchitka, 2.25, 292, S, S, 10 45 08.5 +0.4, CERAA, Semis' Rag'd T, 2.28, 307, P, Pn, 10 45 08.9 0.0, CERAA, Semis' Southwe, 2.34, 306, P, Pn, 10 45 12.9 +0.9, ATKA, Atka Island, 2.57, 49, P, S, 10 45 43.7 +0.8, ATKA, Atka Island, 2.57, 49, P, S, 10 45 14.3 +1.0, KOPF, Korovin Flat P, 2.66, 49, P, S, 10 45 45.8 +0.5, LSPA, Little Sitkin, 2.90, 300, P, S, 10 45 16.1 0.0, LSNW, Little Sitkin, 2.94, 300, P, Pn, 10 45 17.1 0.0

BJI 03 10:45:40.3, 52°28'N; 159°07'E, h65km, mb4.8/22, mb5.0/14, Ms4.3/4, Ms7.4/24
KRSC 03 10:45:41.0, 1.7, 51°34'N; 158°36'E, h50km, 16km, ML5.3
MOS 03 10:45:42.3, 1.2, 51°36'N; 158°36'E, h59km, mb4.9/53, Error ellipse: s-maj=7.2km s-min=3.0km az=82.6
MOS Felt (I-II) at Petropavlovsk-Kamchatskiy, ISCJB 03 10:45:44.2, 0.3, 52°12'N; 02°158'61E; 0.03, h76km, 2km, mb4.6/28, Error ellipse: s-maj=4.5km s-min=2.3km az=150.1
NEIC 03 10:45:44.6, 0.1, 52°20'N; 158°53'E, mb4.8/22, Error ellipse: s-maj=4.2km s-min=2.2km az=162.0
IDC 03 10:45:45.8, 1.1, 52°21'N; 158°53'E, h72km, 8km, mb4.3/37, mb1.4/53, mb1mx4.3/77, mbtmp4.6/39, MS3.7/26, Ms1.3/726, ms1mx3.4/73, Error ellipse: s-maj=12.0km s-min=8.5km az=147.0
ISC 03 10:45:43.8, 0.5, 52°02'N; 04°158'79E; 0.04, h59km, 4km, n902, e128°930, mb4.8/305, MS3.8/24, 12C-3D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time Res, RUS, Russkaya, 0.45, 338, eP, Pn, 10 45 54.4 -0.7, RUS, Russkaya, 0.45, 338, eS, Pn, 10 46 02.4 -1.0, RUS, Russkaya, 0.45, 338, P, Pn, 10 45 54.4 -0.7, RUS, Russkaya, 0.45, 338, P, S, 10 46 02.4 -1.0, KDTR, Khodutka, Kamc, 0.49, 245, P, Pn, 10 45 54.6 -0.9, KDTR, Khodutka, Kamc, 0.49, 245, S, S, 10 46 02.5 -1.5, MTRV, Mutnovka, 0.60, 322, eP, Pn, 10 45 56.6 -0.3, MTRV, Mutnovka, 0.60, 322, P, Pn, 10 45 56.6 -0.3, ASAK, Asacha, 0.66, 304, P, Pn, 10 45 57.8 +0.3, ASAK, Asacha, 0.66, 304, P, Pn, 10 45 57.8 +0.3, GRL, Gorelyy, 0.69, 321, P, Pn, 10 45 58.2 +0.2, GRL, Gorelyy, 0.69, 321, P, Pn, 10 46 00.2 +0.2, KRMR, Karymshinskiy, 0.91, 334, P, Pn, 10 46 00.7 +0.1, KRMR, Karymshinskiy, 0.91, 334, eS, Pn, 10 46 13.5 +0.6, KRMR, Karymshinskiy, 0.91, 334, P, S, 10 46 00.7 +0.1, KRMR, Karymshinskiy, 0.91, 334, P, S, 10 46 13.5 +0.6, PET, Petropavlovsk, 1.01, 355, ePn, Pn, 10 46 01.6 -0.3, PET, Petropavlovsk, 1.01, 355, eS, Pn, 10 46 01.6 -0.3, PET, Petropavlovsk, 1.01, 355, P, Pn, 10 46 01.6 -0.3, PET, Petropavlovsk, 1.01, 355, P, S, 10 46 01.6 -0.3, PET, Petropavlovsk, 1.01, 355, P, S, 10 46 13.1 -2.2, PET, comp=Z, 600nm, 4.3s, pmax, pmax, PET, comp=Z, 4μm, 1.2s, pmax, pmax, PET, comp=Z, 4μm, 0.4s, pmax, pmax, PET, comp=E, 11μm, 1.5s, smax, smax, PET, comp=E, 4μm, 2.5s, smax, smax, PET, comp=N, 25μm, 0.5s, smax, smax, PET, comp=N, 5μm, 2.2s, smax, smax, PET, comp=N, 28μm, 0.6s, smax, smax, PET, comp=E, 10μm, 0.6s, smax, smax, DALK, Dalny, 1.01, 359, P, Pn, 10 46 01.6 -0.3, DALK, Dalny, 1.01, 359, eS, Pn, 10 46 01.6 -0.3, DALK, Dalny, 1.01, 359, S, S, 10 46 15.2 -0.2, UGLR, Uglovaya, 1.19, 1, P, Pn, 10 46 04.4 0.0, UGLR, Uglovaya, 1.19, 1, P, Pn, 10 46 04.4 0.0, NLC, Nalytchevo, 1.20, 16, eP, S, 10 46 03.0 -1.4, NLC, Nalytchevo, 1.20, 16, P, S, 10 46 17.4 -2.4, NLC, Nalytchevo, 1.20, 16, P, S, 10 46 07.4 -0.5, SMAR, Somma, 1.25, 0, eP, Pn, 10 46 07.4 -0.5, SMAR, Somma, 1.25, 0, P, Pn, 10 46 07.4 -0.5, AVH, Avacha, 1.25, 359, P, Pn, 10 46 05.4 +0.3, AVH, Avacha, 1.25, 359, P, Pn, 10 46 05.4 +0.3, I44RU, PETROPVLOVSK-1, 1.27, 329, P, Pn, 10 46 05.9 +0.5, I44RU, PETROPVLOVSK-1, 1.27, 329, P, S, 10 46 05.9 +0.5, MIPR, Malaya Ipe'ka, 1.28, 282, eP, Pn, 10 46 06.0 +0.6, MIPR, Malaya Ipe'ka, 1.28, 282, P, Pn, 10 46 06.0 +0.6, PEAOB, Petropavlovsk-1, 1.28, 329, eS, Pn, 10 46 18.9 -2.7, PEAOB, Petropavlovsk-1, 1.28, 329, eS, Pn, 10 46 05.8 +0.3, PETK, Petropavlovsk-1, 1.28, 329, P, Pn, 10 46 19.0 -2.6, PETK, Petropavlovsk-1, 1.28, 329, S, S, 10 46 19.0 -2.6, KOK, Koryaka, 1.28, 356, eP, Pn, 10 46 06.0 +0.4, KOK, Koryaka, 1.28, 356, P, Pn, 10 46 06.0 +0.4, SPN, Mys Shipunski, 1.32, 34, eP, Pn, 10 46 05.9 -0.1, SPN, Mys Shipunski, 1.32, 34, eS, Pn, 10 46 22.3 -0.3, SPN, Mys Shipunski, 1.32, 34, P, Pn, 10 46 05.9 -0.1, SPN, Mys Shipunski, 1.32, 34, P, S, 10 46 22.3 -0.3, KRX, Arik, 1.34, 356, P, Pn, 10 46 06.6 +0.1, KRX, Arik, 1.34, 356, P, Pn, 10 46 06.6 +0.1, PAU, Pauzhetka, 1.35, 247, eP, Pn, 10 46 06.3 -0.1, PAU, Pauzhetka, 1.35, 247, eS, Pn, 10 46 22.6 -0.7, PAU, Pauzhetka, 1.35, 247, P, S, 10 46 06.3 -0.1, PAU, Pauzhetka, 1.35, 247, P, S, 10 46 22.6 -0.7, APC, Apacha, 1.35, 313, P, Pn, 10 46 07.0 +0.6, APC, Apacha, 1.35, 313, P, Pn, 10 46 07.0 +0.6, GNL, Ganaly, 1.76, 343, P, Pn, 10 46 12.6 +0.6, GNL, Ganaly, 1.76, 343, P, Pn, 10 46 12.6 +0.6, KIL, Karymskiy, 2.06, 11, P, Pn, 10 46 17.0 +0.9, KIL, Karymskiy, 2.06, 11, eS, Pn, 10 46 19.2 +0.9, KIL, Karymskiy, 2.06, 11, P, Pn, 10 46 17.0 +0.9, KIL, Karymskiy, 2.06, 11, S, Pn, 10 46 19.2 +0.9, SKR, Severo-Kuril's, 2.14, 232, eP, Pn, 10 46 16.5 -0.5, SKR, Severo-Kuril's, 2.14, 232, eS, Pn, 10 46 17.4 -0.4, SKR, Severo-Kuril's, 2.14, 232, P, Pn, 10 46 16.7 -0.4, SKR, Severo-Kuril's, 2.14, 232, P, S, 10 46 38.7 -3.9, SKR, comp=Z, 359nm, 0.5s, pmax, pmax

Table with columns: SKR, comp=E, 8μm, 0.4s, smax, smax, KZV, Kizimen, 3.23, 16, eP, Pn, 10 46 34.1 +2.0, KZV, Kizimen, 3.23, 16, P, Pn, 10 46 34.1 +2.0, TUMD, Tumrok D, 3.33, 16, eP, Pn, 10 46 35.0 +1.6, TUMD, Tumrok D, 3.33, 16, eS, Pn, 10 47 13.2 +1.5, TUMR, Tumrok, 3.37, 13, eP, Pn, 10 46 36.6 +2.6, TUMR, Tumrok, 3.37, 13, P, Pn, 10 46 35.0 +1.0, TUMR, Tumrok, 3.37, 13, P, S, 10 47 13.2 +0.5, KMMR, Kamnenistaya, 3.84, 12, eP, Pn, 10 46 42.7 +2.3, KMMR, Kamnenistaya, 3.84, 12, P, Pn, 10 46 42.7 +2.3, ESO, Esso, 3.92, 359, eP, Pn, 10 46 42.7 +1.4, ESO, Esso, 3.92, 359, P, Pn, 10 46 45.3 +2.1, KPT, Kopyto, 4.04, 12, eP, Pn, 10 46 45.3 +2.1, KPT, Kopyto, 4.04, 12, P, Pn, 10 46 45.3 +2.1, KIRR, Kirishev, 4.05, 12, eP, Pn, 10 46 45.4 +2.1, KIRR, Kirishev, 4.05, 12, P, Pn, 10 46 45.4 +2.1, BZMR, Bezmyannaya, 4.05, 14, eP, Pn, 10 46 46.5 +3.2, BZMR, Bezmyannaya, 4.05, 14, P, Pn, 10 46 46.5 +3.2, BZWR, Bezmyanniy-We, 4.08, 14, P, Pn, 10 46 48.9 +3.1, BZWR, Bezmyanniy-We, 4.08, 14, P, Pn, 10 46 48.9 +3.1, KOZ, Kozryevsk, 4.10, 9, eP, Pn, 10 46 45.7 +1.9, KOZ, Kozryevsk, 4.10, 9, P, Pn, 10 46 45.7 +1.9, ZLN, Zelenaya, 4.18, 16, eP, Pn, 10 46 48.0 +3.0, ZLN, Zelenaya, 4.18, 16, P, Pn, 10 46 48.0 +3.0, LGRN, Loginova, 4.22, 15, eP, Pn, 10 46 48.0 +3.2, LGRN, Loginova, 4.22, 15, P, Pn, 10 46 48.0 +3.2, CIRR, Tsirik, 4.26, 15, eP, Pn, 10 46 48.4 +2.2, CIRR, Tsirik, 4.26, 15, P, Pn, 10 46 48.4 +2.2, KRKR, Krestovskiy, 4.33, 13, eP, Pn, 10 46 50.0 +2.8, KRKR, Krestovskiy, 4.33, 13, P, Pn, 10 46 50.0 +2.8, KLY, Klyuchi, 4.44, 14, eP, Pn, 10 46 51.3 +2.5, KLY, Klyuchi, 4.44, 14, P, Pn, 10 46 51.3 +2.5, BDR, Baidarnaya, 4.77, 16, eP, Pn, 10 46 55.9 +2.8, BDR, Baidarnaya, 4.77, 16, P, Pn, 10 46 55.9 +2.8, KBTR, Krutoberegovo, 4.82, 28, eP, Pn, 10 46 54.8 +0.9, KBTR, Krutoberegovo, 4.82, 28, P, Pn, 10 46 54.8 +0.9, KBTR, Krutoberegovo, 4.82, 27, eP, Pn, 10 46 55.5 +1.7, KBTR, Krutoberegovo, 4.82, 27, P, Pn, 10 46 55.5 +1.7, SMKR, Semkarok, 4.83, 18, eP, Pn, 10 46 55.8 +1.8, SMKR, Semkarok, 4.83, 18, P, Pn, 10 46 55.8 +1.8, SRKR, Sorokina, 4.85, 16, eP, Pn, 10 46 56.8 +2.6, SRKR, Sorokina, 4.85, 16, P, Pn, 10 46 56.8 +2.6, BRKR, Bering, 5.33, 50, eP, Pn, 10 47 00.1 -0.6, BRKR, Bering, 5.33, 50, eS, Pn, 10 47 54.8 -5.9, BKI, Bering, 5.33, 50, P, Pn, 10 47 00.1 -0.6, BKI, Bering, 5.33, 50, P, Pn, 10 47 29.6 +4.5, PALN, Palana, 7.12, 5, eP, Pn, 10 47 29.6 +4.5, PALN, Palana, 7.12, 5, P, Pn, 10 47 36.1 +2.9, OISR, Ossora, 7.64, 17, eP, Pn, 10 47 36.1 +2.9, OISR, Ossora, 7.64, 17, P, Pn, 10 47 36.1 +2.9, MA2, Magadan, 8.81, 332, P, Pn, 10 47 46.8 -1.5, MA2, Magadan, 8.81, 332, ePn, Pn, 10 47 46.8 -1.5, SMY, Shemya, 9.40, 80, ePn, Pn, 10 47 55.7 -0.6, SMY, Shemya, 9.40, 80, eS, Pn, 10 47 55.7 -0.6, SMY, Shemya, 9.40, 80, ePn, Pn, 10 47 55.7 -0.6, SMY, Shemya, 9.40, 80, eS, Pn, 10 47 55.7 -0.6, KUR, comp=Z, 18nm, 0.4s, pmax, pmax, KUR, comp=E, 8.0nm, 0.3s, pmax, pmax, KUR, comp=N, 3.0nm, 0.2s, smax, smax, KUR, comp=N, 32nm, 0.4s, smax, smax, TYV, Tymovskoe, 10.14, 270, ePn, Pn, 10 48 07.2 +0.7, TYV, Tymovskoe, 10.14, 270, P, Pn, 10 48 07.2 +0.7, TYV, comp=Z, 8.0nm, 1.6s, pmax, pmax, TYV, comp=Z, 100nm, 6.4s, pmax, pmax, UGL, Uglegorsk, 11.04, 261, P, Pn, 10 48 22.4 +3.7, UGL, Uglegorsk, 11.04, 261, P, Pn, 10 48 22.4 +3.7, UGL, comp=Z, 62nm, 0.5s, MLR, MLR, UGL, comp=Z, 900nm, 15.0s, MLR, MLR, SHO, Shikotan, 11.42, 229, P, Pn, 10 48 21.5 -2.5, SHO, Shikotan, 11.42, 229, P, Pn, 10 48 21.5 -2.5, SHO, comp=N, 11nm, 0.3s, pmax, pmax, SHO, comp=E, 8.0nm, 0.3s, pmax, pmax, SHO, comp=Z, 34nm, 0.3s, pmax, pmax, SEY, Seymchan, 11.46, 345, P, Pn, 10 48 27.1 +2.6, SEY, Seymchan, 11.46, 345, P, Pn, 10 48 27.1 +2.6, SEY, comp=Z, 30nm, 0.3s, baz=156, slow=12, SNR=7.8, SEY, Seymchan, 11.46, 345, P, Pn, 10 48 27.3 +2.8, YSS, Yuzh-Sakhalin, 11.59, 250, ePn, Pn, 10 48 30.6 +4.4, YSS, Yuzh-Sakhalin, 11.59, 250, ePn, Pn, 10 48 30.6 +4.4, YSS, comp=Z, 20nm, 0.8s, pmax, pmax, YSS, comp=N, 10.0nm, 1.0s, pmax, pmax, YSS, comp=E, 20nm, 0.7s, pmax, pmax, YUK, Yuzh-Kuril'sk, 11.76, 232, P, Pn, 10 48 31.1 +2.5, YUK, Yuzh-Kuril'sk, 11.76, 232, P, S, Pn, 10 50 39.8 +1.6, YUK, comp=Z, 208nm, 0.3s, pmax, pmax, YUK, comp=E, 55nm, 0.2s, pmax, pmax, YUK, comp=N, 43nm, 0.3s, pmax, pmax, ASAJ, Asahikawa, 13.38, 240, P, Pn, 10 48 52.6 +1.9, ASAJ, Asahikawa, 13.38, 240, P, Pn, 10 48 52.6 +1.9, ASAJ, comp=N, 4.0nm, 0.3s, baz=51, slow=11, SNR=77, ASAJ, Asahikawa, 13.38, 240, eP, Pn, 10 48 52.6 +1.9, ASAJ, Asahikawa, 13.38, 240, eS, Pn, 10 48 52.6 +1.9, GRNR, Gornyy, 14.01, 274, eP, Pn, 10 49 05.5 +0.2, GRNR, Gornyy, 14.01, 274, P, Pn, 10 49 05.5 +0.2, ERM, Erimo, 14.59, 233, ePn, Pn, 10 49 08.1 +1.4, ERM, Erimo, 14.59, 233, P, Pn, 10 49 08.1 +1.4, TEY, Ternei, 16.23, 253, P, Pn, 10 49 28.5 +0.7, TEY, Ternei, 16.23, 253, P, Pn, 10 49 28.5 +0.7, TEY, comp=Z, 40nm, 0.7s, pmax, pmax, TEY, comp=E, 40nm, 0.7s, pmax, pmax, KLR, Kul'dur, 17.34, 271, P, Pn, 10 49 43.5 +1.4, KLR, Kul'dur, 17.34, 271, P, Pn, 10 49 43.5 +1.4, KLR, comp=E, 20nm, 18.6s, baz=79, slow=37, KLR, Kul'dur, 17.34, 271, P, Pn, 10 49 43.5 +1.4, KLR, Kul'dur, 17.34, 271, P, Pn, 10 49 43.5 +1.4, YAK, Yakutsk, 18.58, 314, LR, LR, 10 50 06.6, YAK, Yakutsk, 18.58, 314, LR, LR, 10 50 06.6, YAK, comp=N, 17nm, 0.9s, pmax, pmax, YAK, Yakutsk, 18.58, 314, eP, Pn, 10 49 53.8 -1.8, YAK, Yakutsk, 18.58, 314, eS, Pn, 10 53 19.3 -3.8, YAK, comp=Z, 32nm, 0.9s, pmax, pmax, YAK, comp=N, 5.0nm, 1.1s

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like MUDJ, MSHR, MAJO, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like INK, WHY, NRIK, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like O03D, ARU, ARU, etc.

AKBB	Malin Array Si	69.12 328 eP	P	10 56 41.9	-1.3
KIEV	Kiev	69.13 328 eP	P	10 56 41.1	-2.1
KIEV	Kiev	69.13 328 eP	P	10 56 41.1	-2.1
N40A	Mertquake, Sal	69.19 50 P	P	10 56 43.8	0.0
L42A	Oliver, Polo	69.20 48 P	P	10 56 43.0	-0.9
P38A	Dawn	69.24 52 eP	P	10 56 44.2	0.0
P38A	Dawn	69.24 52 P	P	10 56 44.0	-0.2
K43A	Burlington	69.26 47 P	P	10 56 43.7	-0.5
M41A	Milan	69.30 49 P	P	10 56 44.1	-0.4
L43A	Garden Prairie	69.48 47 P	P	10 56 44.9	-0.8
O40A	La Belle	69.65 51 P	P	10 56 46.6	-0.1
KVAR	Kislovodsk Arr	69.67 316 LR	LR	11 31 09.5	
N41A	Harden Midland	69.67 49 eP	P	10 56 47.2	+0.4
N41A	Harden Midland	69.67 49 P	P	10 56 46.6	-0.3
Q38A	Cooks Store, C	69.71 52 P	P	10 56 46.8	-0.3
P39B	Salisbury	69.72 51 P	P	10 56 46.9	-0.3
KBZ	Khabaz	69.76 316 P	P	10 56 46.7	-0.5
Q39A	Willow Grove F	69.96 52 P	P	10 56 48.5	-0.1
N42A	Yates City	69.96 49 P	P	10 56 48.2	-0.4
M43A	Waltham Townsh	69.98 48 P	P	10 56 48.2	-0.4
P40A	Paris	70.03 51 eP	P	10 56 49.5	+0.4
P40A	Paris	70.03 51 P	P	10 56 48.9	-0.1
O41A	Pasleys Farm,	70.13 50 P	P	10 56 49.5	-0.1
R38A	Fenwick Farm,	70.17 53 P	P	10 56 48.8	-1.1
WMOK	Wichita Mounta	70.34 59 eP	P	10 56 51.7	+0.6
WMOK	Wichita Mounta	70.34 59 eP	P	10 56 51.7	+0.6
WMOK	Wichita Mounta	70.34 59 P	P	10 56 51.5	+0.5
P41A	Barry, Barry	70.39 50 P	P	10 56 51.2	0.0
M44A	Midewin, Midew	70.43 47 P	P	10 56 51.0	-0.4
Q40A	Laux Farm, Aux	70.44 51 P	P	10 56 51.3	-0.3
AFI	Aftamalu	70.44 150 LR	LR	11 23 03.6	
O42A	Bath	70.44 49 P	P	10 56 51.1	-0.4
R39A	Chumby, Stover	70.50 52 P	P	10 56 51.4	-0.5
HDIL	Hopedale	70.52 49 eP	P	10 56 52.3	+0.2
HDIL	Hopedale	70.52 49 P	P	10 56 51.8	-0.2
S38A	Stockton	70.61 53 P	P	10 56 51.7	-0.9
Q43A	Sugar Creek Fa	70.73 49 P	P	10 56 52.9	-0.4
O42A	Winchester	70.80 50 eP	P	10 56 54.0	+0.3
P42A	Winchester	70.80 50 P	P	10 56 53.5	-0.2
S39A	Bolivar	70.85 53 eP	P	10 56 53.5	-0.6
S39A	Bolivar	70.85 53 P	P	10 56 53.1	-0.9
N44A	Piper City	70.87 48 P	P	10 56 53.1	-1.0
Q41A	Truxton	70.88 51 P	P	10 56 54.2	0.0
T38A	Diamond	70.88 54 P	P	10 56 53.9	-0.4
R40A	Maddies Statio	70.89 52 eP	P	10 56 53.5	-0.8
R40A	Maddies Statio	70.89 52 P	P	10 56 54.0	-0.4
TUL1	Leonard	70.99 56 eP	P	10 56 55.3	+0.3
TUL1	Leonard	70.99 56 P	P	10 56 54.9	0.0
P43A	Skaggs, Pawnee	71.14 49 P	P	10 56 55.5	-0.3
O44A	Mansfield	71.22 48 P	P	10 56 55.7	-0.6
L47A	Sherwood	71.23 45 P	P	10 56 55.9	-0.4
Q42A	Golden Eagle	71.24 50 P	P	10 56 56.5	+0.1
R41A	Rosebud	71.32 51 P	P	10 56 56.5	-0.4
S40A	Lebanon	71.33 53 P	P	10 56 56.4	-0.5
T39A	Cleaver	71.34 54 P	P	10 56 56.4	-0.7
O45A	Potomac	71.49 48 P	P	10 56 57.7	-0.2
ABTX	Abilene, Hawle	71.50 61 eP	P	10 56 59.1	+1.0
ABTX	Abilene, Hawle	71.50 61 P	P	10 56 58.5	+0.4
CCM	Cathedral Cave	71.58 51 eP	P	10 56 59.0	+0.6
CCM	Cathedral Cave	71.58 51 P	P	10 56 59.0	+0.6
CCM	Cathedral Cave	71.58 51 P	P	10 56 58.6	+0.2
L48A	N Adams	71.59 45 P	P	10 56 58.3	-0.1
Q43A	New Douglas	71.61 50 P	P	10 56 58.6	-0.1
R42A	Luebbering	71.62 51 P	P	10 56 58.5	-0.2
HHAR	Hobbs	71.64 54 eP	P	10 56 59.0	+0.1
SFIN	Lafayette	71.67 47 P	P	10 56 58.5	-0.5
P44A	Sand Creek, Wi	71.70 49 P	P	10 56 58.9	-0.2
S41A	Jilico Farms,	71.70 52 P	P	10 56 58.9	-0.4
U39A	Green Forest	71.79 54 P	P	10 56 59.5	-0.3
TX31	Lajitas Ar. Si	71.80 66 eP	P	10 57 01.2	+1.2
TXAR	Lajitas Array	71.80 66 P	P	10 57 01.1	+1.1
GNI	Garni	71.83 313 LR	LR	11 32 47.5	
LP1G	La Paz	71.92 74 LR	LR	11 28 24.1	
Q44A	Meyer Farm, Va	71.97 49 P	P	10 57 00.5	-0.2
EKA	Eskdalemuir Ar	71.97 49 P	P	10 57 00.3	-0.2
S42A	Caledonia	72.02 51 P	P	10 57 01.0	-0.1
R43A	Red Bud	72.03 50 P	P	10 57 00.8	-0.4
P45A	Graceland, Par	72.06 48 P	P	10 57 00.7	-0.6
T41A	Mountain View	72.12 52 P	P	10 57 01.2	-0.6
U40A	Yellville	72.13 54 P	P	10 57 01.4	-0.4
V39A	Pettigrew	72.14 54 P	P	10 57 01.6	-0.3
M49A	Liberty Center	72.17 45 P	P	10 57 01.8	-0.2
O47A	Sheridan	72.20 47 P	P	10 57 01.1	-1.1

P46A	Rosedale	72.23 48 P	P	10 57 02.0	-0.3
Q45A	Warren Harvey,	72.38 49 P	P	10 57 03.1	-0.1
R44A	Waltonville	72.46 50 P	P	10 57 03.6	0.0
T42A	Van Buren	72.46 52 eP	P	10 57 03.6	-0.1
T42A	Van Buren	72.46 52 P	P	10 57 03.1	-0.6
S43A	Fulton Ridge,	72.52 51 P	P	10 57 03.8	-0.3
W39A	Magazine	72.57 55 eP	P	10 57 04.8	+0.4
W39A	Magazine	72.57 55 P	P	10 57 04.2	-0.2
V40A	Witts Springs	72.58 54 eP	P	10 57 04.1	-0.4
V40A	Witts Springs	72.58 54 P	P	10 57 04.1	-0.4
U41A	Viola	72.60 53 P	P	10 57 04.1	-0.5
O48A	Farmland	72.64 46 P	P	10 57 04.0	-0.8
P47A	Martinsville	72.77 47 P	P	10 57 05.0	-0.6
R45A	Skylar, Fairri	72.80 49 P	P	10 57 05.4	-0.3
T43A	Greenville	72.81 51 P	P	10 57 05.7	-0.1
S44A	Carandale	72.82 50 P	P	10 57 05.8	0.0
SIUC	Southern Iliin	72.82 50 eP	P	10 57 06.3	+0.5
V41A	Mountainview	72.92 54 P	P	10 57 06.0	-0.6
U42A	Reverend	72.93 53 P	P	10 57 07.1	+0.6
W40A	Ferguson Farm,	72.93 55 eP	P	10 57 06.6	+0.1
W40A	Ferguson Farm,	72.93 55 P	P	10 57 06.3	-0.2
X39A	Fountain Ranch	72.94 56 P	P	10 57 07.0	+0.4
PBMO	Poplar Bluff	72.98 52 eP	P	10 57 07.3	+0.5
O49A	Covington	73.06 46 P	P	10 57 06.9	-0.4
JCT	Junction City	73.07 62 eP	P	10 57 08.2	+0.7
JCT	Junction City	73.07 62 eP	P	10 57 08.2	+0.7
JCT	Junction City	73.07 62 P	P	10 57 07.8	+0.3
CLL	Colim	73.07 338 P	P	10 57 06.2	-0.9
CLL	Colim	73.07 338 P	P	10 57 06.2	-0.9
CRVS	Bucovina Ar. S	73.09 332 eP	P	10 57 07.0	-0.4
CRVS	Bucovina Ar. S	73.09 332 eP	P	10 57 07.0	-0.4
CRVS	Bucovina-Dubn	73.09 332 eP	P	10 57 07.0	-0.3
CRVS	Bucovina-Dubn	73.09 332 eP	P	10 57 07.2	-0.2
N50A	Nevard	73.10 44 P	P	10 57 07.3	-0.2
Q47A	Bedord North L	73.14 48 P	P	10 57 07.5	-0.2
T44A	Ben	73.14 51 P	P	10 57 07.7	-0.1
S45A	Carrier Mills	73.15 50 P	P	10 57 07.6	-0.2
WHTX	Lake Whitney,	73.16 60 P	P	10 57 08.3	+0.4
P48A	Milroy	73.17 47 P	P	10 57 07.3	-0.6
MIAR	Mount Ida	73.19 55 eP	P	10 57 08.2	+0.2
MIAR	Mount Ida	73.19 55 eP	P	10 57 08.3	+0.2
MIAR	Mount Ida	73.19 55 P	P	10 57 08.3	+0.2
R46A	Gibson Southern	73.22 49 P	P	10 57 07.9	-0.3
BRG	Berggiesshubel	73.25 338 eP	P	10 57 12.5	+4.3
BRG	Berggiesshubel	73.25 338 eP	P	10 57 12.5	+4.3
V42A	Cord	73.29 53 P	P	10 57 08.1	-0.6
U50A	Lake Ozonia	73.32 37 P	P	10 57 07.5	-1.2
U43A	Rector	73.32 52 P	P	10 57 08.7	-0.1
W41B	Gary Mavity, V	73.36 54 eP	P	10 57 09.2	+0.2
W41B	Gary Mavity, V	73.36 54 P	P	10 57 08.9	-0.2
O50A	Cable	73.41 45 P	P	10 57 08.9	-0.4
P49A	Miami Univ. Ec	73.43 46 P	P	10 57 09.0	-0.5
Q48A	North Vernon	73.46 47 P	P	10 57 09.2	-0.4
S46A	Don Dixon Farm	73.55 49 P	P	10 57 09.9	-0.2
X40A	Basin Creek Fa	73.61 55 P	P	10 57 10.4	-0.1
R47A	Wooly Knot Far	73.61 48 P	P	10 57 10.1	-0.4
T45A	Paducah	73.65 50 P	P	10 57 10.7	0.0
Y40A	Okolona	73.76 55 P	P	10 57 11.5	+0.1
P50A	Jamestown	73.77 46 P	P	10 57 10.9	-0.6
WCI	Wyandotte Cave	73.77 48 eP	P	10 57 12.4	+0.9
WCI	Wyandotte Cave	73.77 48 eP	P	10 57 12.4	+0.9
WCI	Wyandotte Cave	73.77 48 P	P	10 57 11.3	-0.2
M54A	Oil Creek Stat	73.96 42 eP	P	10 57 12.7	+0.1
M54A	Oil Creek Stat	73.96 42 P	P	10 57 12.2	-0.3
T46A	Princeton	73.99 50 P	P	10 57 13.0	+0.3
S47A	Hartford	74.02 49 P	P	10 57 12.7	-0.2
U45A	Rockin P Farm,	74.13 51 P	P	10 57 13.7	+0.1
VYHS	Yhynhe	74.19 334 eP	P	10 57 14.2	+0.4
VYHS	Yhynhe	74.19 334 eP	P	10 57 14.2	+0.4
R49A	Shelbyville	74.23 47 P	P	10 57 14.2	0.0
N54A	Moraine State	74.29 42 eP	P	10 57 14.7	+0.3
N54A	Moraine State	74.29 42 P	P	10 57 14.2	-0.3
Z40A	Long Farm, Mag	74.29 56 P	P	10 57 14.6	+0.1
Q50A	Georgetown	74.32 46 P	P	10 57 14.6	-0.1
S48A	Wiedeman Farm,	74.35 48 P	P	10 57 14.8	0.0
T47A	Sharon Grove	74.40 49 eP	P	10 57 15.6	+0.5
T47A	Sharon Grove	74.40 49 P	P	10 57 15.4	+0.3
U46A	Springsville	74.40 50 P	P	10 57 15.2	0.0
Q51A	Peebles	74.45 46 P	P	10 57 15.3	-0.1
S49A	Springsfield	74.60 48 P	P	10 57 16.2	-0.1
LBNN	Lisbon	74.61 35 P	P	10 57 16.3	0.0
R50A	Paris	74.62 47 P	P	10 57 16.4	0.0
PKME	Peaks-Kenny Pk	74.63 33 P	P	10 57 16.3	0.0
T48A	Bowling Green	74.64 49 P	P	10 57 16.3	-0.2

Y42A	Garnett, Star	74.65 54 P	P	10 57 17.2	+0.6
W02A	Motra-Piesok	74.73 335 eP	P	10 57 17.7	+0.8
W02A	Motra-Piesok	74.73 335 eP	P	10 57 17.7	+0.8
MDS	Waverly	74.75 50 eP	P	10 57 17.0	-0.2
WVT	Waverly	74.75 50 eP	P	10 57 17.0	-0.2
WVT	Waverly	74.75 50 P	P	10 57 17.4	+0.2
U47A	Clarksville	74.76 50 P	P	10 57 17.2	0.0
WRAB	Tennant Creek	74.76 204 eP	P	10 57 17.4	+0.2
WRAB	Tennant Creek	74.76 204 eP	P	10 57 18.3	+1.1
WB2	Warramunga Arr	74.77 204 eP	P	10 57 16.7	-0.6
WB2	Warramunga Arr	74.77 204 eP	P	10 57 17.8	-3.4
WRA	Warramunga Arr	74.77 204 eP	P	10 57 17.6	+0.3
NATX	Nacoochees	74.82 58 P	P	10 57 18.3	+0.7
V46A	Holladay	74.88 51 P	P	10 57 17.7	-0.2
R51A	Hillsboro	74.94 46 P	P	10 57 18.3	+0.1
833A	Chaparral WMA,	74.96 63 P	P	10 57 19.2	+0.7
KHC	Kasperske Hory	74.96 337 eP	P	10 57 18.9	+0.7
KHC	Kasperske Hory	74.96 337 eP	P	10 57 18.9	+0.7
Z42A	Norrel Spur, H	75.02 55 P	P	10 57 19.2	+0.5
T49A	Edmonton	75.04 48 eP	P	10 57 19.2	+0.3
T49A	Edmonton	75.04 48 P	P	10 57 18.9	+0.1
U48A	Cassie Pea, Po	75.05 49 P	P	10 57 18.9	-0.1
S50A	Richmond	75.09 47 P	P	10 57 18.9	-0.2
V47A	Nunnely	75.14 50 P	P	10 57 19.3	-0.1
GERES	GERESS Array B	75.20 337 P	P	10 57 18.8	-0.9
GERES	GERESS Array B	75			

ARCES	ARCES Array B	64.54 339	P	P	13 30 08.5 +0.4
YKA	Yellowknife Ar	65.28 30	P	P	13 30 13.2 +0.2
VRH	Novokhoporsky	67.55 318	eP	P	13 30 25.4 -2.3
OBN	Obninsk	68.21 323f	eP	P	13 30 30.8 -1.0
OBN	Obninsk		e	PnS	13 33 04.8
OBN	Obninsk		eP	Pmax	13 40 06.9 +1.0
OBN	Obninsk		eP	MLR	
LKPS	Galich ya Gora	68.33 320	eP	Pmax	13 30 30.9 -1.7
VSR	Storozhevo	68.92 319	eP	P	13 30 35.2 -1.1
VSR	Storozhevo		eP	Pmax	
VORD	Dvinogorie	68.98 318	eP	P	13 30 35.0 -1.7
VORD	Dvinogorie		eP	Pmax	
FIAT	FINES Array S	69.17 332	eP	P	13 30 35.8 -1.8
FINES	FINES Array B	69.17 332	eP	P	13 30 37.6 0.0
NCK	Nalchik	70.36 41	iP	P	13 30 46.4 +1.0
KBZ	Khabaz	70.67 310	iP	P	13 30 46.8 -0.4
KVAR	Kislovodsk Arr	70.68 311	iP	P	13 30 46.9 -0.6
KIV	Kislovodsk	70.68 311	eP	P	13 30 46.3 -1.2
KIV	Kislovodsk	70.68 311	eP	P	13 30 48.1 +0.7
KIV	Kislovodsk		eS	SKIKP	13 33 22.2
KIV	Kislovodsk		eS	Pmax	13 40 29.5 +3.4
KIV	Kislovodsk		eP	MLR	
VSU	Vasula	70.73 329	iP	P	13 30 47.6 +0.3
VSU	Vasula		iP	Pmax	
NEY	Neytrino	71.03 310	iP	P	13 30 50.5 +0.8
NEY	Neytrino		iP	Pmax	
GNI	Garni	71.37 306	iP	P	13 30 52.0 +0.3
GNI	Garni		iP	Pmax	
IDID	Didziasalis	72.69 327	eP	P	13 30 59.3 +0.2
ISAL	Salakas	72.80 327	eP	P	13 31 00.6 +0.2
ISAL	Salakas		eP	IAMB	13 31 00.6
IIGN	Ignalina	72.90 327	eP	P	13 31 00.6 +0.2
IIGN	Ignalina		eP	IAMB	13 31 01.1
AKASG	Malin Array Be	74.38 322	P	P	13 31 08.6 -0.6
AKASG	Malin Array Be		P	LR	14 06 50.0
KIEV	Kiev	74.39 322	eP	Pmax	13 31 08.5 -0.7
KIEV	Kiev		eP	Pmax	
HFS	Hagfors	74.53 335	P	P	13 31 09.5 -0.3
NB2	NORSAR Subarra	74.67 337	P	P	13 31 10.3 -0.4
NOA	NORSAR Array B	74.67 337	P	P	13 31 10.6 -0.1
NOA	NORSAR Array B		P	LR	14 07 08.3
LRM	Limekiln Ridge	75.70 43	eP	P	13 31 19.2 +2.0
NV01	Mina Array Sit	76.54 52	eP	P	13 31 23.9 +1.9
NVAR	Mina Array Be	76.54 52	eP	P	13 31 23.0 +0.9
BUR04	Bucovina Ar. S	78.38 321	eP	P	13 31 30.7 -1.3
BRTR	Keokuk Array B	78.64 311	eP	P	13 31 33.5 -0.2
BRTR	Keokuk Array B		eP	PP	13 34 31.0 -0.6
PDAR	Pinedale Array	79.22 45	P	P	13 31 38.4 +1.4
CRVS	Cervencia-Dubn	79.36 324	eP	P	13 31 37.9 +0.6
CRVS	Cervencia-Dubn		eP	Pmax	
CRVS	Cervencia-Dubn	79.36 324	eP	P	13 31 37.9 +0.6
RAYN	Rayn	79.95 292	eP	P	13 31 40.0 -0.9
RAYN	Rayn		eP	Pmax	
RAYN	Rayn	79.95 292	eP	P	13 31 40.0 -0.9
RAYN	Rayn		eP	Pmax	
LANS	Liptovska Anna	80.13 325	eP	P	13 31 42.4 +0.9
LANS	Liptovska Anna		eP	P	13 31 42.4 +0.9
LSP	Kasparske Hory	80.34 328	eP	P	13 31 44.1 +1.6
DOB	Dobruska-Polom	80.69 327	eP	P	13 31 45.7 +1.3
DPC	Dobruska-Polom	80.69 327	eP	P	13 31 45.7 +1.3
UPC	Ujpec	80.71 328	eP	P	13 31 45.5 +1.0
UPC	Ujpec		eP	P	13 31 45.5 +1.0
VYHS	Vyhne	80.89 325	eP	P	13 31 46.1 +0.6
VYHS	Vyhne		eP	Pmax	
VYHS	Vyhne	80.89 325	eP	P	13 31 46.1 +0.6
BRG	Bergjesshubel	81.33 329	eP	P	13 31 47.7 0.0
BRG	Bergjesshubel		eP	P	13 31 47.7 0.0
BRG	Bergjesshubel	81.33 329	eP	Pmax	13 31 47.7 0.0
CLL	Collm	81.39 330	eP	P	13 31 48.0 -0.1
CLL	Collm		eP	MLR	13 47 00.0
CLL	Collm	81.39 330	eP	P	13 31 48.0 -0.1
CLL	Collm		eP	MLV	14 14 00.0
CLL	Collm	81.39 330	eP	P	13 31 48.0 -0.1
CLL	Collm		eP	Pmax	
GOPC	GO Peeny, Ondr	81.68 328	eP	P	13 31 50.6 +0.9
GOPC	GO Peeny, Ondr		eP	P	13 31 50.6 +0.9
MODS	Mocra-Piesok	81.70 325	eP	P	13 31 49.7 -0.1
MODS	Mocra-Piesok		eP	Pmax	
MODS	Mocra-Piesok	81.70 325	eP	P	13 31 49.7 -0.1
MODS	Mocra-Piesok		eP	Pmax	
MODS	Mocra-Piesok	81.70 325	eP	P	13 31 49.7 -0.1
MODS	Mocra-Piesok		eP	P	13 31 50.7 +0.8
PRU	Pruhonic	81.73 328	eP	P	13 31 50.7 +0.8
PRU	Pruhonic		eP	P	13 31 50.7 +0.8
PRU	Pruhonic	81.73 328	eP	P	13 31 50.7 +0.8
PRU	Pruhonic		eP	P	13 31 50.7 +0.8
PRU	Pruhonic	81.73 328	eP	P	13 31 50.7 +0.8
PRU	Pruhonic		eP	P	13 31 56.4 +1.4
WUAZ	Wupatki	82.72 51	eP	P	13 31 57.1 +1.5
WUAZ	Wupatki		eP	P	13 31 57.1 +1.5
KHC	Kasparske Hory	82.79 328	eP	P	13 31 56.0 +0.5
KHC	Kasparske Hory		eP	P	13 31 56.0 +0.5
GERES	GERES Array B	82.95 328	eP	P	13 31 56.6 +0.2
GERES	GERES Array B		eP	LR	14 11 01.9
ANMO	Albuquerque	86.14 49cP	eP	P	13 32 12.6 -0.4
ANMO	Albuquerque		eP	Pmax	
TXAR	Lajitas Array	91.68 51	P	P	13 32 40.7 +1.6
TXAR	Lajitas Array		P	P	13 32 40.7 +1.6
LPAZ	La Paz	148.22 59	PKPbc	PKPbc	13 39 19.6 +1.0
LPAZ	La Paz		PKPbc	P	13 39 19.6 +1.0

ISC/JB 03:13:37.44:3.1,0.35:60S:0:06:179:4W:0.1,h41km, mb4.2/5, Error ellipse: s-maj=17.2km s-min=6.4km az=23.3

WEL 03:13:37.46:4.1,3.36:52:17:9W:1.8,h138km,56km, IDCC 03:13:37.48:1.6,8.35:64S:179:65W,h44km,59km,mb4.0/5, mb1 4.2/6, mb1mx3.7/46, mbtmp4.3/6, ML4.0/1, Error ellipse: s-maj=48.5km s-min=45.1km az=170.0

ISC 03:13:37.46:7.1,2.35:64S:0:09:179:4W:0.1,h41km,n39, e08149,mb4.3/5, East of North Island

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
PKGZ	Pakihiroa	3.03	222	P	Pn		13	38	24.4	+0.1		
PUZ	Puketiti	3.08	217	P	Pn		13	38	32.3	+0.6		
HAZ	Te Kaha	3.11	226	P	Pn		13	38	32.9	+0.3		
HAZ	Te Kaha			P	Pn		13	39	11.2	+2.2		
TWGW	Tauwhareparae	3.30	219	P	Pn		13	38	35.9	0.0		
TWGW	Tauwhareparae			P	Pn		13	39	14.9	+1.1		
RUGZ	Raukumara Rang	3.31	225	P	Pn		13	38	36.3	+0.2		
RUGZ	Raukumara Rang			P	Pn		13	39	15.2	+0.9		
CNGZ	Carnagh Statio	3.43	213	P	Pn		13	38	35.5	+0.8		
CNGZ	Carnagh Statio			P	Pn		13	39	18.8	+1.8		
TKGZ	Te Karaka	3.57	218	P	Pn		13	38	39.5	+0.1		
TKGZ	Te Karaka			P	Pn		13	39	20.3	0.0		
MWZ	Matawai	3.65	222	P	Pn		13	38	40.3	-0.4		
MWZ	Matawai			P	Pn		13	38	32.9	-0.3		
URZ	Urewera	3.84	226	Pn	Pn		13	38	42.5	-0.7		
URZ	Urewera			P	Pn		13	39	25.1	-1.9		
URZ	Urewera	14nm,0.3s,baz=275,slow=22,SNR=11			Pn		13	38	42.7	-0.5		
URZ	Urewera			P	Pn		13	39	26.1	-1.0		
OPRZ	Ohinepanea	3.94	235	P	Pn		13	38	44.0	-0.6		
PRGZ	Paritu Road	3.94	213	P	Pn		13	38	43.3	-1.3		
TGRZ	Tauranga	4.08	238	P	Pn		13	38	45.8	-0.7		
PHZ	Shannon Statio	4.08	238	P	Pn		13	38	46.5	0.0		
KNZ	East Tamaki Re	4.12	214	P	Pn		13	38	47.7	-0.3		
MHGZ	Mahia Peninsul	4.12	211	P	Pn		13	38	47.4	+0.3		
MUGZ	Murupara	4.18	226	P	Pn		13	38	48.3	+0.3		
OMRZ	Omania	4.20	233	P	Pn		13	38	48.0	-0.3		
KARZ	Kaharoa	4.24	235	P	Pn		13	38	48.2	-0.5		
RRRZ	Republican Roa	4.25	223	P	Pn		13	38	47.9	+0.1		
HLRZ	Highlands Stat	4.30	231	P	Pn		13	38	49.6	0.0		
RAHZ	Arahi	4.32	220	P	Pn		13	38	50.1	+0.3		
KMRZ	Kaimai	4.35	238	P	Pn		13	38	49.8	-0.6		
WHZ	Waihua	4.36	217	P	Pn		13	38	50.5	+0.1		
MTWZ	Maungataniwha	4.40	222	P	Pn		13	38	51.1	+0.1		
PRRZ	Plateau Road	4.42	229	P	Pn		13	38	50.9	-0.4		
WIAZ	Waiteka Road	4.58	254	P	Pn		13	38	54.1	+0.7		
TOZ	Tahuroa Road	4.61	242	P	Pn		13	38	53.6	-0.2		
ARHZ	Aroapanui	4.62	217	P	Pn		13	38	53.3	-0.7		
MKAZ	Moutakai	4.64	250	P	Pn		13	38	55.0	+0.8		
TKAZ	Te Kani Re	4.78	252	P	Pn		13	38	57.4	+1.2		
CTA	Charters Tower	3.90	286	P	P		13	44	25.5	-0.3		
ASAR	Alice Springs	4.16	273	P	P		13	45	33.0	-0.8		
ASAR	Alice Springs			P	P		13	45	44.7	-0.9		
WRA	Warramunga Arr	4.34	278	P	P		13	49	28.5	-0.4		
FITZ	Fitzroy Crossi	5.16	275	P	P		13	50	30.9	-0.3		
FITZ	Fitzroy Crossi			P	P		13	54	25.5	0.0		
PETK	Petropavlovsk	50.60	336	PKPbc	PKPbc		13	50	45.2	+1.1		
FINES	FINES Array B	149.56	336	PKPbc	PKPbc		13	57	30.9	+0.2		
MMAI	Mount Meron Ar	151.27	275	PKPbc	PKPbc		13	57	36.6	+0.8		
BRTR	Keokuk Array B	153.64										

ANNW	Aniakchak Nort	0.37 237	P	Pb	14 58 09.0 -0.7	PET	Petrovavlovsk	25.01 279	eP	P	15 03 22.9 -1.8	MPMC	Manual Prospec	34.02 111	P	P	15 04 46.8 +1.7
AZAC	Aniakchak	0.42 230	P	Pb	14 58 09.8 -0.8	SEY	Seymchan	25.04 304	P	P	15 03 25.1 +0.2	FURC	Furnace Creek	34.03 110	P	P	15 04 47.4 +2.5
PLK1	Peulik 1	0.85 41	P	Pb	14 58 17.1 -0.7	H04D	Leban	25.10 105	P	P	15 03 26.4 +0.8	ARVC	Arctic	34.08 114	P	P	15 04 45.9 +0.5
PLK5	Peulik 5	0.93 26	P	Pb	14 58 19.0 -1.1	H04A	Detroit Lake	25.28 104	eP	P	15 03 26.1 -1.3	LRMC	Laurel Mtn Rd	34.38 112	P	P	15 04 49.7 +1.5
CHGN	Chignik	0.97 206	eP	Pb	14 58 18.1 -1.7	G03D	Drain, OR	25.35 107	P	P	15 03 29.5 +1.7	EDW2	Edwards Air Fo	34.69 113	P	P	15 04 51.7 +0.9
VNHC	Veniaminof 1	1.47 222	P	Pg	14 58 22.2 -1.3	I05D	Wamic, OR	25.37 102	P	P	15 03 29.7 +1.5	SHPR	Sheep Range	34.88 108	eP	P	15 04 54.2 +1.7
VNWF	Veniaminof 2	1.37 231	P	Pg	14 58 26.2 -1.2	J01D	Myrtle Point	25.42 109	P	P	15 03 30.4 +1.9	MSU	Marysvalle	34.94 102	eP	P	15 04 55.5 +2.4
VNWF	Veniaminof 8	1.47 227	P	Pg	14 58 27.7 -1.5	PETK	Petrovavlovsk	25.49 280	P	P	15 03 30.0 +0.9	GSC	Goldstone Bar	34.96 111	P	P	15 04 54.5 +1.3
CAHL	Cahill	1.54 54	P	Pb	14 58 28.7 -1.0	PETK	Petrovavlovsk	25.49 280	eP	P	15 03 26.2 -2.9	CCUT	Cedar City	35.03 105	eP	P	15 04 55.6 +1.8
ANCK	Angle Creek	1.55 47	P	Pb	14 58 29.0 -0.9	P08A	Wollman Farm	25.51 97	eP	P	15 03 30.8 +1.5	TUQ	Turquoise Moun	35.31 110	P	P	15 04 57.1 +0.9
KELA	Mount Kelaz	1.63 38	P	Pb	14 58 30.0 -1.2	HAWA	Hanford	25.59 98	P	P	15 03 29.7 -0.3	YAK	Yakutsk	35.31 309	P	P	15 04 55.4 -0.3
KABU	Katmai Buttes	1.68 38	P	Pb	14 58 30.3 -0.5	NEW	Newport	25.76 93	LR	LR	15 12 59.3	YAK	Yakutsk	35.31 309	eP	P	15 04 54.4 -1.3
KAKN	Katmai Knife C	1.79 50	S	Sg	14 58 55.4 +0.3	NEW	Newport	25.76 93	P	P	15 03 32.9 +1.2	BFSO	Mount Baldy Ra	35.37 113	P	P	15 04 57.0 +0.3
KAKN	Katmai Knife C	1.79 50	S	Sg	14 58 57.9 -0.6	I04A	Tendick Farm	25.77 106	P	P	15 03 33.3 +1.5	RSSD	Black Hills	35.46 88	eP	P	15 04 58.5 +1.0
SII	Sitkinak Islan	2.00 106	eP	Pb	14 58 36.4 -1.0	K02D	Williamette Mer	25.89 109	P	P	15 03 33.6 +0.7	RSSD	Black Hills	35.46 88	P	P	15 04 58.4 +1.0
KACH	Katmai Mtn Gf	2.12 40	eP	Pb	14 58 37.9 +1.7	I05D	Terrebonne, OR	25.96 104	P	P	15 03 35.7 +2.1	HEC	Hector,Ludlow	35.57 111	P	P	15 05 00.3 +1.9
OHAK	Old Horor	2.37 87	P	Pb	14 58 30.4 +0.5	J02D	Cave Junction,	26.31 110	P	P	15 03 39.1 +2.5	O20A	White River Ci	35.89 97	P	P	15 05 02.2 +1.0
SDPT	Sand Point	2.41 222	eP	Pb	14 58 40.0 +0.4	L04D	Umpqua Nationa	26.31 107	P	P	15 03 38.6 +1.7	SC12	San Clemente I	35.94 115	P	P	15 05 02.5 +1.1
CDD	Cape Douglas	2.77 49	P	Pb	14 58 46.3 +0.9	HUMO	Hull Mountain	26.32 109	eP	P	15 03 38.0 +1.2	GMRC	Granite Mounta	35.95 110	P	P	15 05 03.7 +2.0
KDAK	Kodiak Island	2.80 75	Pn	Pn	14 58 46.8 +0.9	MA2	Maqadan	26.60 297	LR	LR	15 15 26.9	LDFC	Landfair	36.00 109	eP	P	15 05 04.0 +1.9
KDAK	Kodiak Island	2.80 75	Pn	Sb	14 59 23.4 -2.0	J05D	Fort Rock, OR	26.74 106	P	P	15 03 43.1 +2.4	ULM	Lac du Bonnet	36.06 74	P	P	15 05 03.1 +0.8
KDAK	Kodiak Island	2.80 75	Pn	Pn	14 59 47.3 +1.4	L04D	Klamath Falls	26.94 108	P	P	15 03 44.0 +1.6	ULM	Lac du Bonnet	36.06 74	eP	LR	15 18 37.6
KDAK	Kodiak Island	2.80 75	Pn	Sb	14 59 23.4 -2.0	WALA	Waterloo Lakes	27.06 89	P	P	15 03 42.7 -0.8	ULM	Lac du Bonnet	36.06 74	eP	P	15 05 02.9 +0.6
PSDA	Pavlov Volcano	2.93 234	S	Sb	14 59 24.4 -2.0	YBHA	Blue Her	27.08 110	P	P	15 03 46.5 +2.8	MURC	Murder	36.11 113	P	P	15 05 04.3 +1.3
PKAV	Pavlov South-4	2.98 234	P	Pb	14 58 48.1 +0.5	YBH	Blue Her	27.08 110	P	P	15 03 46.5 +2.8	BELC	Belle Mtn. Jos	36.40 111	P	P	15 05 07.1 +1.6
DOL	Dolgoi Island	3.11 231	P	Pn	14 58 50.3 +0.2	M02C	Calhan	27.25 110	P	P	15 03 46.9 +1.6	PFO	Pinyon Flats O	36.47 112	eP	P	15 05 06.5 +0.3
DTI	Dutton Round H	3.22 233	P	Pn	14 58 53.4 +0.5	K05A	Summer Lake	27.31 106	eP	P	15 03 47.0 +1.1	PFO	Pinyon Flats O	36.47 112	P	P	15 05 06.9 +0.7
DRIA	Deer Island	3.40 231	P	Pn	14 58 54.5 +0.4	M04C	Macdoel	27.49 109	P	P	15 03 49.5 +2.1	XPFO	Pinon Flat	36.47 112	eP	P	15 05 07.6 +1.4
FALS	False Pass	3.98 237	eP	Pn	14 59 01.4 -0.6	N02D	Trinity Center	27.64 111	P	P	15 03 51.3 +2.6	TPFO	Pinon Flats	36.48 112	P	P	15 05 07.6 +1.4
HOIM	Home Island	4.12 40	eP	Pn	14 59 07.9 +2.5	BMO	Blue Mountains	27.77 99	eP	P	15 03 52.2 +2.3	FRD	Ford Ranch, An	36.49 113	P	P	15 05 07.8 +1.5
SWV2	Sparrevohn	4.08 14	eP	Pn	14 59 04.0 +0.6	O02D	Mt. Diablo Mer	28.11 112	P	P	15 03 56.3 +2.7	NED	Needles Arroy	36.50 109	P	P	15 05 07.3 +1.1
CNPM	China Poot	4.12 52	eP	Pn	14 59 06.5 +2.4	MOD	Modoc Plateau	28.20 107	eP	P	15 03 55.3 +1.5	PV09	Paradox Valley	36.58 99	eP	P	15 05 08.6 +1.4
RDSB	Redoubt West	4.16 35	P	Pn	14 59 05.7 +1.1	O03D	Payson Creek	28.60 111	P	P	15 03 59.3 +2.0	N23A	Red Feather L	36.60 94	P	P	15 05 07.9 +0.6
REDOU	Redoubt South	4.17 36	eP	Pn	14 59 06.2 +1.4	RES	Resolute Bay	28.98 29	LR	LR	15 15 60.0	IRM	Iron Mountain	36.70 110	P	P	15 05 10.1 +2.1
RJHD	Redoubt, Geurje	4.23 34	P	Pn	14 59 07.6 +1.7	RFIS	Resolute Bay	28.98 29	LR	LR	15 15 60.0	PV22	Blue Mesa, Par	36.74 99	eP	P	15 05 09.6 +1.1
SSBA	Shishaldin	4.36 209	P	Pn	14 59 28.2 +2.2	HRH	Holter Research	29.52 100	eP	P	15 04 06.9 +1.4	PV19	Morning Glory	36.80 100	eP	P	15 05 10.3 +1.3
BRLK	Bradley Lake	4.40 51	eP	Pn	14 59 09.9 +2.0	BEKR	Beckworth	29.66 110	eP	P	15 04 07.8 +1.1	PV17	East Wray Mesa	36.83 100	eP	P	15 05 10.3 +1.0
WESE	West Dahl East	4.75 238	P	Pn	14 59 14.6 +1.8	LRM	Lincoln Ridge	29.78 93	eP	P	15 04 07.9 0.0	PV16	Nyowenger Mesa	36.83 99	eP	P	15 05 10.8 +1.4
SPCR	Spurr Chakacha	4.92 32	P	Pn	14 59 17.3 +2.3	EGMT	Eagleton	29.91 87	eP	P	15 04 09.1 +0.2	PV11	David Mesa, Pa	36.87 99	eP	P	15 05 11.2 +1.6
SPCP	Crater Peak Br	4.98 32	P	Pn	14 59 18.3 +2.3	EGMT	Eagleton	29.91 87	eP	P	15 04 09.8 +0.9	PV12	Sinclair Basin,	36.89 99	eP	P	15 05 11.2 +1.3
SPCG	Spurr Capps Gf	5.19 32	P	Pn	14 59 19.0 +2.2	HLID	Hailey	30.19 98	eP	P	15 04 11.1 -0.3	PV03	Paradox Valley	36.91 99	eP	P	15 05 11.3 +1.3
AKSA	Akutan Strait	5.48 240	P	Pn	14 59 23.3 +1.3	H41D	Hailey	30.19 98	P	P	15 04 12.9 +1.5	BC3	Big Chuckawall	36.94 111	P	P	15 05 11.1 +0.9
AKUT	Akutan	5.51 240	eP	Pn	14 59 25.0 +1.9	BOZ	Bozeman (W)	30.37 92	P	P	15 04 09.7 -3.3	PV13	Paradox Mtn., P	36.99 100	eP	P	15 05 12.6 +1.9
SUA	Susitna One	5.57 36	eP	Pn	14 59 26.1 +2.1	BOZ	Bozeman (W)	30.37 92	P	P	15 04 13.3 +0.2	MONP	Monument Peak	37.06 113	P	P	15 05 11.5 +0.2
RC01	Rabbit Creek A	5.66 43	eP	Pn	14 59 27.1 +2.0	PNTR	Pine Nut	30.63 110	eP	P	15 04 17.6 +2.1	A33A	Warrod	37.09 75	P	P	15 05 11.3 +0.1
SKT	Skwentna	5.74 30	P	Pn	14 59 28.6 +2.4	BMN	Battle Mountai	30.88 105	eP	P	15 04 19.3 +1.8	PDMC	Parker Dam,Lak	37.10 109	P	P	15 05 12.2 +0.8
TT01	Tatalina	5.92 32	P	Pn	14 59 27.4 +0.1	YERR	Yerington	30.89 109	eP	P	15 04 19.1 +1.4	AGMN	Agassiz Nation	37.23 77	P	P	15 05 12.3 0.0
UNVJ	Unalaska Valle	6.03 240	eP	Pn	14 59 30.2 0.0	WAKR	Walker	31.16 110	eP	P	15 04 22.3 +2.2	SWSC	Sam W. Stewart	37.33 112	P	P	15 05 14.0 +0.6
MTBL	Makushin Table	6.04 242	P	Pn	14 59 30.9 +0.4	GCMT	Greycliff	31.32 90	eP	P	15 04 23.1 +2.2	Y12C	Blythe	37.34 110	P	P	15 05 14.6 +1.2
MSW	Makushin Switc	6.12 242	P	Pn	14 59 33.0 +1.5	KVN	Kaiserville	31.43 108	eP	P	15 04 24.5 +1.7	IKP	Ik-Ko-Pah, Jac	37.41 113	P	P	15 05 14.9 +0.8
PMR	Palmer	6.21 41	eP	Pn	14 59 32.7 +0.1	RYN	Ryan	31.53 109	eP	P	15 04 25.4 +2.2	WUAZ	Wupatki	37.61 105	eP	P	15 05 17.7 +1.8
PPLA	Purkeypile	6.36 23	eP	Pn	14 59 36.9 +2.0	H17A	Grant Village	31.72 93	eP	P	15 04 29.2 +4.2	WUAZ	Wupatki	37.61 105	P	P	15 05 15.8 0.0
GLRY	Glory Hole Cre	6.42 32	eP	Pn	14 59 37.9 +2.5	A77A	Grant Village	31.72 93	P	P	15 04 26.2 +1.2	GLA	Glamis	37.74 111	P	P	15 05 16.9 +0.1
HIN	Hinchinbrook I	6.63 56	P	Pn	14 59 39.9 +1.4	NVAR	Mina Aray Bay	31.79 109	P	P	15 04 28.4 +2.8	MVCO	Mesa Verde	37.87 100	P	P	15 05 18.0 -0.1
SML	Sawmill	6.64 42	eP	Pn	14 59 40.4 +1.8	NVAR	Mina Aray Bay	31.79 109	P	ScP	SUSD	Miller	38.01 84	P	P	15 05 18.8 -0.2	
FID	Port Fidalgo	6.80 53	eP	Pn	14 59 41.5 +0.8	NVAR	Mina Aray Bay	31.79 109	P	LR	B35A	Bob, Littlefor	38.32 75	P	P	15 05 21.5 0.0	
CAST	Castle Rocks	6.85 21	eP	Pn	14 59 42.4 +1.0	NV01	Mina Aray Sit	31.79 109	eP	P	FLWY	Flag Ranch	31.86 94	eP	P	15 05 22.8 +0.3	
SWIA	Swain Is	6.85 275	eP	Pn	14 59 39.2 -2.2	NV11	Mina Aray Sit	31.87 109	eP	P	Q22A	4UR Ranch, Cre	38.37 98	P	P	15 05 22.8 +0.3	
JPK	Jack Peak	7.03 44	eP	Pn	14 59 45.1 +1.4	RLMT	Red Lodge	31.96 91	eP	P	C35A	Divide	38.40 95	P	P	15 05 22.2 -0.4	
SCM	Sheep Creek Mo	7.03 44	eP	Pn	14 59 45.3 +1.4	RLMT	Red Lodge	31.96 91	eP	P	Q4A	Jirik Farms, M	38.59 76	P	P	15 05 24.0 +0.2	
EYAK	Cordova Ski Ar	7.04 56	eP	Pn	14 59 46.1 +2.1	FXWY	Fox Creek	31.97 95	eP	P	OGNE	Ogallala	38.69 90	P	P	15 05 24.9 0.0	
OKTU	Okmok Mt. Tuli	7.04 242	P	Pn	14 59 46.1 +2.1	MDDP	Devils Postpil	32.00 111	eP	P	ASAJ	Asahikawa	38.80 277	LR	LR</		

3d 15h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MCWV, X48A, 541A, etc.

2012 AUG

Main table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GTA, ANNE, ANNW, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ANCK, KELA, KABU, etc.

Table with columns: DRK, Karamyk, 3.23 135, Pn, 18 42 55.8 +0.8, etc. Includes rows for DRK, MRKS, SFK, TKMK, DGS, KST, etc.

ISCJB 03 19:02:52.5-0.1, 57.25N, 0.02-157.70W, 0.03, h10km, mb4.5/197, MS3.6/29, Error ellipse: S-maj=2.4km s-min=1.9km az=153.3

NEIC 03 19:02:53.3-0.0, 57.14N, 157.58W, h3km, mb4.6/163, ML4.3(AEIC), After AEIC.

NEIC Fault at Pilot Point

IDC 03 19:02:59.6, 1.6, 57.35N-157.66W, h49km, 15km, mb4.0/40, M1.3.6/31, ms1mx3.8/83, Error ellipse: S-maj=13.9km s-min=8.5km az=15.0

ISC 03 19:02:53.9-1.1, 57.15N, 0.03-157.63W, 0.03, h9km, 7km, m642, 15/22/653, mb4.5/201, MS3.6/29, Alaska Peninsula

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

Main station list table with columns: SCRC, Sand Creek, 9.57 39, Pn, 19 05 11.7 -0.1, etc. Includes stations like YUK2, BC3A, PNL, etc.

Main station list table with columns: CMB, Columbia Cole, 31.02 112, eP, 19 09 13.2 +1.5, etc. Includes stations like WAKR, Walker, GCMT, etc.

AGMN	Agassiz Nation	37.22	77	eP	P	19 10 05.2	-0.1
AGMN	Agassiz Nation	37.22	77	P	P	19 10 05.0	0.0
SWSC	Sam W. Stewart	37.22	112	P	P	19 10 08.0	+1.8
Y12C	Blythe	37.33	110	eP	P	19 10 08.0	+1.6
Y12C	Blythe	37.33	110	P	P	19 10 08.1	+1.8
IKP	In-Ko-Pah, Jac	37.40	113	P	P	19 10 08.7	+1.7
WUAZ	Wupatki	37.60	105	eP	P	19 10 10.8	+1.9
WUAZ	Wupatki	37.60	105	P	P	19 10 10.2	+1.4
MVCO	Mesa Verde	37.85	100	P	P	19 10 11.8	+0.7
B35A	Bob, Littlefor	38.31	75	eP	P	19 10 14.7	+0.2
B35A	Bob, Littlefor	38.31	75	P	P	19 10 14.2	-0.3
Q24A	Divide	38.38	95	P	P	19 10 16.4	+0.8
OGNE	Ogallala	38.68	90	P	P	19 10 18.6	+0.8
W18A	Petrified Fore	38.77	104	P	P	19 10 20.1	+1.5
ASAJ	Asahikawa	38.81	277	P	P	19 10 18.7	0.0
ASAJ	Asahikawa	38.81	277	P	LR	19 27 52.0	
ASAJ	Asahikawa	38.81	277	eP	P	19 10 18.7	0.0
SDCO	Great Sand Dun	39.08	97	eP	P	19 10 22.6	+1.2
SDCO	Great Sand Dun	39.08	97	P	P	19 10 22.3	+0.9
D36A	Goodland	39.35	76	P	P	19 10 23.6	+0.3
C37A	Embarrass	39.52	75	P	P	19 10 24.8	+0.2
214A	Organ Pipe Nat	39.62	110	P	P	19 10 26.9	+1.1
KSCO	Kaye Shedlock	39.72	93	eP	P	19 10 27.5	+0.9
KSCO	Kaye Shedlock	39.72	93	P	P	19 10 27.5	+0.9
ECSD	EROS Data Cent	39.73	83	eP	P	19 10 26.6	+0.2
ECSD	EROS Data Cent	39.73	83	P	P	19 10 26.9	+0.4
EYMN	Ely	39.74	74	eP	P	19 10 26.9	+0.4
EYMN	Ely	39.74	74	P	P	19 10 26.6	+0.1
D37A	Cotton	39.75	76	P	P	19 10 26.8	+0.2
C38A	Sawbill Land.	40.00	74	P	P	19 10 28.8	+0.1
H35A	Sunnyside Ranc	40.06	80	P	P	19 10 29.8	+0.7
T25A	Trinidad	40.11	97	eP	P	19 10 31.3	+1.4
T25A	Trinidad	40.11	97	P	P	19 10 31.0	+1.1
TUC	Tucson	40.39	108	eP	P	19 10 33.3	+1.2
TUC	Tucson	40.39	108	P	P	19 10 33.6	+1.5
E38A	The Farm, Brul	40.56	76	eP	P	19 10 33.2	-0.1
E38A	The Farm, Brul	40.56	76	P	P	19 10 33.3	0.0
F37A	Hinrichs Farm,	40.56	78	P	P	19 10 33.7	+0.4
ANMO	Albuquerque	40.64	101	P	P	19 10 35.2	+0.9
ANMO	Albuquerque	40.64	101	PcP	PcP	19 12 36.7	+0.7
ANMO	Albuquerque	40.64	101	LR	LR	19 26 58.2	
ANMO	Albuquerque	40.64	101	eP	P	19 10 35.1	+0.8
ANMO	Albuquerque	40.64	101	P	PcP	19 12 36.6	+0.5
ANMO	Albuquerque	40.64	101	P	P	19 10 35.2	+0.9
TASL	Snake Pit, Alb	40.64	101	P	P	19 10 34.9	+0.6
SPMN	Marine on St.	40.80	78	eP	P	19 10 35.8	+0.6
SPMN	Marine on St.	40.80	78	P	P	19 10 36.0	+0.8
F38A	Pierce - Schro	40.81	77	P	P	19 10 36.0	+0.6
LENM	Lemitar	40.96	102	eP	P	19 10 37.3	+0.4
FRB	Frobisher Bay	40.99	43	P	P	19 10 35.5	-1.0
FRB	Frobisher Bay	40.99	43	LR	LR	19 26 42.9	
BNN	Barren Site	41.16	102	eP	P	19 10 40.0	+1.4
J36A	Seneca 1, Swea	41.23	81	eP	P	19 10 38.4	-0.5
J36A	Seneca 1, Swea	41.23	81	P	P	19 10 38.8	-0.1
E39A	Mellen	41.24	75	P	P	19 10 39.5	+0.6
KLR	Kul'dur	41.26	290	P	P	19 10 38.7	-0.3
KLR	Kul'dur	41.26	290	LR	LR	19 29 52.1	
I37A	Lemond, Waseca	41.28	80	P	P	19 10 39.2	0.0
I37A	Lemond, Waseca	41.28	80	P	P	19 10 39.6	+0.4
F39A	Loretta	41.35	76	P	P	19 10 39.9	+0.2
CBKS	Cedar Bluff	41.44	91	P	P	19 10 41.3	+0.7
H38A	Maiden Rock	41.44	78	P	P	19 10 40.8	+0.3
E40A	Wakefield	41.54	75	P	P	19 10 41.6	+0.2
G39A	Holcombe	41.62	77	P	P	19 10 41.8	-0.2
J37A	Redenius Farm,	41.67	81	P	P	19 10 42.3	-0.1
F40A	Park Falls	41.77	76	P	P	19 10 43.1	-0.1
I38A	Scanlan Farm,	41.83	79	P	P	19 10 43.7	-0.1
H39A	Augusta	41.97	78	P	P	19 10 45.1	+0.2
K37A	Belmond	41.99	82	P	P	19 10 44.9	-0.2
G40A	Rib Lake	42.15	76	eP	P	19 10 46.5	+0.1
G40A	Rib Lake	42.15	76	P	P	19 10 46.2	-0.1
J38A	Wedel Dairy, R	42.24	80	P	P	19 10 47.2	0.0
L37A	Phoenix Point,	42.37	82	P	P	19 10 48.1	-0.1
I39A	Houston	42.39	79	eP	P	19 10 48.2	-0.1
I39A	Houston	42.39	79	P	P	19 10 48.4	+0.1
F41A	Three Lakes	42.42	75	P	P	19 10 48.5	-0.1
H40A	Chili	42.48	77	P	P	19 10 49.2	+0.1
N36A	Muff Farm, Cla	42.62	85	P	P	19 10 50.5	+0.2
J39A	Decorah	42.64	80	P	P	19 10 50.0	-0.4
L38A	Oak Wood Farm,	42.79	82	P	P	19 10 51.2	-0.3
I40A	Norwalk	42.85	78	P	P	19 10 52.0	-0.1
K39A	Oelwein	42.98	80	P	P	19 10 52.4	+0.7
N37A	Lee Faris, Mou	43.07	84	eP	P	19 10 54.2	+0.3
N37A	Lee Faris, Mou	43.07	84	P	P	19 10 54.2	+0.3
E43A	Lone Tree Farm	43.10	73	P	P	19 10 54.3	+0.2

J40A	Soldiers Grove	43.12	79	P	P	19 10 54.0	-0.2
M38A	Pleasantville	43.16	83	P	P	19 10 54.5	-0.1
MSTX	Muleshoe	43.36	98	eP	P	19 10 57.1	+0.7
MSTX	Muleshoe	43.36	98	P	P	19 10 56.6	+0.2
K40A	Colesburg	43.38	80	P	P	19 10 56.0	-0.4
O37A	Wolven Farm, M	43.52	85	P	P	19 10 57.6	+0.1
J41A	Loganville	43.53	78	P	P	19 10 57.3	-0.3
H42A	Shiocton	43.54	76	P	P	19 10 57.4	-0.2
M39A	Webster	43.67	82	P	P	19 10 58.3	-0.4
MNTX	Cornudas Mount	43.71	103	eP	P	19 11 00.3	+1.2
MNTX	Cornudas Mount	43.71	103	P	P	19 11 00.2	+1.1
JFWS	Jewell Farm	43.71	79	eP	P	19 10 58.1	-1.0
JFWS	Jewell Farm	43.71	79	P	P	19 10 58.4	-0.7
I42A	Draefer Farm,	43.76	77	eP	P	19 10 59.4	0.0
I42A	Draefer Farm,	43.76	77	P	P	19 10 59.3	0.0
L40A	Anamosa	43.78	81	eP	P	19 10 59.1	-0.4
L40A	Anamosa	43.78	81	P	P	19 10 59.0	-0.6
P37A	Lathrop	43.82	85	P	P	19 10 59.8	-0.1
K41A	Shullsburg	43.89	79	P	P	19 10 60.0	-0.5
N39A	Derby Farms, D	43.91	83	eP	P	19 11 00.0	-0.6
N39A	Derby Farms, D	43.91	83	P	P	19 11 00.1	-0.6
O38A	Galt	43.92	84	P	P	19 11 00.4	-0.3
H43A	Windswept, Lux	43.97	76	P	P	19 11 00.9	-0.1
J42A	Columbus	44.04	78	P	P	19 11 01.1	-0.5
M40A	Post Highland	44.08	81	P	P	19 11 02.4	+0.5
L41A	Preston	44.16	80	P	P	19 11 03.0	+0.4
I43A	Lanfield Bro	44.17	76	P	P	19 11 02.3	-0.4
P38A	Dawn	44.24	85	eP	P	19 11 03.4	+0.2
P38A	Dawn	44.24	85	P	P	19 11 03.0	-0.2
K42A	Prairie Point,	44.29	78	P	P	19 11 03.0	-0.6
J43A	Natural Harves	44.37	77	P	P	19 11 03.6	-0.7
N40A	Mertquake, Sal	44.40	82	P	P	19 11 03.9	-0.7
USRK	Ussuriysk Ar.	44.43	285	LR	LR	19 30 08.3	
M41A	Milan	44.62	81	P	P	19 11 05.6	-0.8
L42A	Oliver, Polo	44.65	79	P	P	19 11 05.6	-1.0
Q38A	Cooks Store, C	44.66	86	P	P	19 11 05.8	-0.9
P39B	Salisbury	44.76	84	P	P	19 11 06.7	-0.7
O40A	La Belle	44.78	83	P	P	19 11 06.9	-0.7
SPITS	Spitzbergen Ar	44.87	2	LR	LR	19 29 46.7	
K43A	Burlington	44.88	78	P	P	19 11 07.8	-0.6
SFJD	Kangerlussuaq	44.90	32	LR	LR	19 30 50.2	
N41A	Harden Midland	44.92	82	eP	P	19 11 07.6	-1.1
N41A	Harden Midland	44.92	82	P	P	19 11 08.0	-0.7
WMOK	Wichita Mounta	44.95	94	eP	P	19 11 09.3	+0.3
WMOK	Wichita Mounta	44.95	94	P	P	19 11 09.2	+0.1
Q39A	Willow Grove F	44.95	85	P	P	19 11 08.3	-0.7
R38A	Fenwick Farm,	45.06	87	P	P	19 11 08.5	-1.4
P40A	Paris	45.11	84	eP	P	19 11 09.6	-0.7
O41A	Paris	45.11	84	P	P	19 11 09.8	-0.8
P40A	Passleys Farm,	45.32	82	P	P	19 11 11.6	-0.4
NRIK	Noril'sk	45.36	333	P	P	19 11 11.4	-0.4
NRIK	Noril'sk	45.36	333	LR	LR	19 33 17.4	
M43A	Waltham Townsh	45.43	79	P	P	19 11 12.0	-0.7
R39A	Chumby, Stover	45.44	86	P	P	19 11 12.4	-0.5
S38A	Stockton	45.47	87	P	P	19 11 11.9	-1.2
Q40A	Laux Farm, Aux	45.48	84	P	P	19 11 12.5	-0.7
P41A	Bar Barry	45.54	83	P	P	19 11 13.4	-0.3
T38A	Diamond	45.69	88	P	P	19 11 14.4	-0.5
S39A	Bolivar	45.74	87	eP	P	19 11 14.2	-1.1
S39A	Bolivar	45.74	87	P	P	19 11 13.8	-1.5
HDIL	Hopedale	45.87	81	eP	P	19 11 15.5	-0.7
HDIL	Hopedale	45.87	81	P	P	19 11 15.5	-0.7
R40A	Maddies Statio	45.88	85	eP	P	19 11 15.8	-0.5
R40A	Maddies Statio	45.88	85	P	P	19 11 15.3	-1.0
P42A	Winchester	45.99	82	P	P	19 11 16.3	-0.9
O43A	Sugar Creek Fa	46.05	81	P	P	19 11 17.0	-0.7
ABTX	Abilene, Hawle	46.08	97	eP	P	19 11 18.1	0.0
ABTX	Abilene, Hawle	46.08	97	P	P	19 11 17.7	-0.3
T39A	Cleaver	46.20	87	P	P	19 11 17.8	-1.1
N44A	Piper City	46.32	80	P	P	19 11 19.1	-0.7
R41A	Rosedud	46.36	84	P	P	19 11 19.2	-0.9
P43A	Skaggs, Pawnee	46.40	82	P	P	19 11 20.0	-0.4
LTX	Lajitas	46.48	103	eP	P	19 11 22.5	+1.2
TX31	Lajitas Ar. Si	46.48	103	eP	P	19 11 21.5	+0.3
TXAR	Lajitas Array	46.48	103	P	P	19 11 22.5	+1.2
TXAR	Lajitas Array	46.48	103	LR	LR	19 29 57.9	
CCM	Cathedral Cave	46.60	85	P	P	19 11 21.7	-0.4
U39A	Green Forest	46.61	88	P	P	19 11 21.1	-1.0
S41A	Jillie Farms,	46.67	85	P	P	19 11 21.5	-1.1
Q43A	New Douglas	46.80	82	P	P	19 11 23.3	-0.3
O45A	Potomac	46.93	80	P	P	19 11 24.2	-0.3
P44A	Sand Creek, Wi	47.01	81	P	P	19 11 25.0	-0.1
L47A	Sherwood	47.05	76	P	P	19 11 24.5	-1.0
S42A	Caledonia	47.06	84	P	P	19 11 24.8	-0.8
T41A	Mountain View	47.06	86	P	P	19 11 25.2	-0.5
SFIN	Lafayette	47.17	79	eP	P	19 11 26.0	-0.5

SFIN

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SSFA Standing Stone, TZTN Tazewell, W50A Signal Mount, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CRVS Cervencia-Dubn, VYHS Vyhne, MODS Modra-Piesok, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BKI Bering, BKTR Krutoberegovo, BKTR Krutoberegovo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOU Okura, JFY Yanaizu, JYS Shirataka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG Pori Moresby, PMG Nuku Hiva Isla, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OUZ Omahuta, THZ Topouse, STKA Stephens Creek, etc.

DDA 03 19:34:32.0, 41.05N:39.95E, h7km, M12.5

ISK 03 19:34:32.0, 41.16N:39.75E, h16km, ML2.0/4, Turkey

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VDA Vanda, DAV Davao City (W), LEM Lembang, etc.

LDG 03 19:57:23.6, 0.1, 43.96N:16.77E, h2km, M14.5/25, Error

ellip: s-maj=1.9km s-min=1.6km az=45.0

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

MEX 03 19:41:54.0, 1.2, 14.37N:92.96W, h17km, g99km, MD4.0,

Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG THIG, PCIG PCIG, CCIG Comitán, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NV01 Mina Array Sit, NVAR Mina Array Bea, NVAR Mina Array Bea, etc.

NEIC 03 19:44:56.2, 2.6, 17.28S:176.94W, h44km, 24km, mb4.8/27,

Error ellipse: s-maj=9.9km s-min=8.3km az=124.0

GCMT 03 19:44:57.2, 2.7, 17.10S:176.82W, 0.01, h16km,

MW5.2/14, Moment Tensor Solution, s68, c91,

s114, c195; Duration: 1s0; Moment tensor: Scale 1017

Nm; Mw=0.01±0.1; Mw=0.66±0.1; Mw=0.67±0.1;

Mw=0.00±0.04; Mw=0.20±0.1; Mw=0.39±0.05; Best double

couple: Mo=78400±1017 Np1±322.00000°; 878.00000°;

λ159.00000°. NP2±56.00000°; 869.00000°; λ13.00000°;

N -0.710, Plg6.0000°, Azm113.0000°; P -0.6990,

Plg6.0000°, Azm10.0000°; nsta1 refers to body waves,

cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 03 19:44:55.4, 0.6, 17.25S:176.93W, 0.1, h35km, n95,

s103/59, mb4.7/34, MS4.4/39, Fiji Islands region

ISC 03 19:44:50.0, 0.6, 17.24S:176.91W, h0km, mb4.1/13,

mb1 4.3/13, mb1mx4.1/50, mbtmp4.1/13, MS4.4/43,

Ms1 4.4/43, ms1mx4.3/52, Error ellipse: s-maj=25.8km

s-min=17.1km az=138.0

ISC/CB 03 19:44:53.4, 0.3, 17.30S:176.99W, 0.08, h33km,

mb4.6/34, MS4.4/39, Error ellipse: s-maj=12.0km

s-min=6.6km az=33.2

NEIC 03 19:44:56.2, 2.6, 17.28S:176.94W, h44km, 24km, mb4.8/27,

Error ellipse: s-maj=9.9km s-min=8.3km az=124.0

GCMT 03 19:44:57.2, 2.7, 17.10S:176.82W, 0.01, h16km,

MW5.2/14, Moment Tensor Solution, s68, c91,

s114, c195; Duration: 1s0; Moment tensor: Scale 1017

Nm; Mw=0.01±0.1; Mw=0.66±0.1; Mw=0.67±0.1;

Mw=0.00±0.04; Mw=0.20±0.1; Mw=0.39±0.05; Best double

couple: Mo=78400±1017 Np1±322.00000°; 878.00000°;

λ159.00000°. NP2±56.00000°; 869.00000°; λ13.00000°;

N -0.710, Plg6.0000°, Azm113.0000°; P -0.6990,

Plg6.0000°, Azm10.0000°; nsta1 refers to body waves,

cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

ISC 03 19:44:55.4, 0.6, 17.25S:176.93W, 0.1, h35km, n95,

s103/59, mb4.7/34, MS4.4/39, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, RAO Raoul Island, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TX31 Lajitas Ar. Si, LTX Lajitas, TXAR Lajitas Array, etc.

ISC 03 19:50:23.0, 0.31, 0.20:15S:177.88W, h0km, mb3.9/4,

mb1 4.1/4, mb1mx3.6/48, mbtmp3.9/4, Error ellipse:

s-maj=587.3km s-min=154.9km az=88.0

ISC/CB 03 19:50:59.4, 0.7, 21.5S:177.9W, 0.1, h350km,

mb4.1/13, Error ellipse: s-maj=24.7km s-min=13.5km

az=144.4

NEIC 03 19:50:59.4, 0.6, 21.4S:177.75W, h350km, mb4.7/11,

Error ellipse: s-maj=24.5km s-min=12.7km az=145.0

ISC 03 19:51:01.9, 0.1, 21.7S:177.0E, h2.0, h373km, n18,

s153/18, mb4.7/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OZLJ Ozalj, ZAG Zagreb, BBS Lazij&263j, etc.

Table with multiple columns containing names, codes, dates, and numerical values. Includes sections for various entities like BEHE, DRME, OBKA, ARSA, etc., and a large section for VYHS (Vyhne) with sub-sections like VYHS, FNA, FMA, FNA, etc.

3d 20h

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like LMR La Moure, LIA Limnos Island, CLL Collin, etc.

2012 AUG

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like CAF, MTLF Montleuue, AK11 Malin Array Si, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like BVAR Borovoye Array, UOSS Minazif, KK31 Karatay Array, etc.

IDC 03 20:07:18.8, 0.5, 1.4; 95N:146.95E, h0km, mb4.3/28...

ISCJB 03 20:07:21.6, 15:08N:147.00E, h26km, mb4.7/45, mB5, 1/29...

NEIC 03 20:07:25.6, 1.1, 1.4; 82N:146.76E, h51km, 9km, mb4.8/68...

ISC 03 20:07:23.7, 0.3, 1.4; 81N:105.146E, h32km, n166, e131/155, mb4.8/99, MSZ=0.18, Mariana Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and Time. Includes stations like GUMO Guam, CBJ Chichi jima, H1S3 WAKE ISLAND, etc.

ISC 03 20:43:58.0, 3, 19, 70S, 0:05, 179:07W, 0:05, h668km, h382, 0:19/395, mb4.5/226, 4C-1D, Fiji Islands region

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC, Az, El, Op, Phase, ISC, Time, Res. Rows include stations like AFI Afiamalu, AFI Afiamalu, AFI Raoul Island, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC, Az, El, Op, Phase, ISC, Time, Res. Rows include stations like JNU Nakatsue, ATKA Atka Island, SMY Shemya, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC, Az, El, Op, Phase, ISC, Time, Res. Rows include stations like MAW Mawson, K05A Summer Lake, J05D Fort Rock, etc.

MNTX	Cornudas Mount	87.11	55	eP	P	20 55 36.9 +0.8
MNTX	Cornudas Mount	87.11	55	P	P	20 55 37.4 +1.3
P18A	Preston Nutter	87.14	46	eP	P	20 55 37.6 +1.2
PV05	Paradox Valley	87.20	48	eP	P	20 55 38.1 +1.4
HWUT	Hardware Ranch	87.21	44	eP	P	20 55 36.3 -0.2
BNM	Garren Site	87.22	52	eP	P	20 55 37.8 +1.0
WRH	Wood River Hill	87.25	13	eP	P	20 55 35.3 -0.6
SYO	Syowa Base	87.28	193	eP	P	20 55 35.5 -0.6
SYO	Syowa Base	87.28	193	eP	P	20 55 39.0 +1.6
LPM	Los Pinos Moun	87.29	52	eP	P	20 55 37.4 +0.2
NEW	Newport	87.32	36	eP	P	20 55 37.0 +0.2
NEW	Newport	87.32	36	eP	P	20 55 36.8 +0.1
PV09	Paradox Valley	87.37	48	eP	P	20 55 38.3 +0.8
PV10	Paradox Valley	87.38	48	eP	P	20 55 36.9 -0.6
PV17	East Wray Mesa	87.39	48	eP	P	20 55 37.3 -0.2
PV13	Radium Mtn., P	87.43	48	eP	P	20 55 38.2 +0.5
PV23	Carpenter Ridg	87.43	48	eP	P	20 55 38.1 +0.3
PV16	Nyswonger Mesa	87.44	48	eP	P	20 55 37.8 +0.1
HDA	Harding Lake	87.44	13	eP	P	20 55 36.0 -0.8
PV03	Paradox Valley	87.46	48	eP	P	20 55 38.0 +0.2
CCB	Clear Creek Bu	87.46	13	eP	P	20 55 35.6 -1.3
TX31	Lajitas Ar. Si	87.48	58	eP	P	20 55 39.2 +1.2
TXAR	Lajitas Array	87.48	58	eP	P	20 55 39.6 +1.7
PV02	Paradox Valley	87.51	48	eP	P	20 55 37.8 -0.3
PV12	Saucer Basin,	87.52	48	eP	P	20 55 39.1 +1.0
IM3	Indian Mountain	87.55	10	eP	P	20 55 36.6 -0.6
PV01	Paradox Valley	87.60	48	eP	P	20 55 38.3 -0.2
WHY	Whitehorse	87.64	20	eP	P	20 55 38.3 +0.3
MDM	Murphy Dome	87.65	13	eP	P	20 55 36.3 -1.5
COLA	College	87.65	13	eP	P	20 55 36.7 -1.0
ANMO	Albuquerque	87.69	52	eP	P	20 55 39.1 +0.1
ANMO	Albuquerque	87.69	52	eP	P	20 55 39.6 +0.6
ANMO	Albuquerque	87.69	52	eP	P	20 55 39.7 +0.6
SCRK	Sand Creek	87.74	15	eP	P	20 55 38.3 -0.1
IL1	Eielson Array	87.77	13	eP	P	20 55 37.4 -0.9
ILAR	Eielson Array	87.77	13	eP	P	20 55 37.5 -0.9
ILB	Eielson Array	87.77	13	eP	P	20 55 37.6 -0.8
MCMT	McKenzie Canyo	88.00	41	eP	P	20 55 41.6 +1.4
AHID	Auburn Hatcher	88.08	43	eP	P	20 55 41.0 +0.4
HHC	Hu-ho-hao-te	88.08	315	eP	P	20 55 40.6 +0.1
HHC						
HHC						
KMI	Kunming	88.09	297	P	P	20 55 42.8 +1.7
KMI						
KMI						
DLMT	Dillon	88.42	40	eP	P	20 55 43.0 +1.0
TPAW	Teton Pass	88.53	42	eP	P	20 55 42.7 0.0
REDW	Red Top Meadow	88.53	43	eP	P	20 55 43.4 +0.7
FXWY	Fox Creek	88.55	42	eP	P	20 55 43.3 +0.5
SNOW	Snow King Moun	88.64	43	eP	P	20 55 43.6 +0.4
S22A	4UR Ranch, Cre	88.65	49	eP	P	20 55 44.4 +0.9
S22A	4UR Ranch, Cre	88.65	49	eP	P	20 55 44.6 +1.1
IMW	Indian Meadow	88.73	42	eP	P	20 55 42.8 -0.9
O20A	White River Ci	88.74	46	eP	P	20 55 44.1 +0.4
O20A	White River Ci	88.74	46	eP	P	20 55 44.5 +0.8
LRM	Limekiln Ridge	88.74	40	eP	P	20 55 44.1 +0.4
MOOW	Moose Ponds	88.78	42	eP	P	20 55 45.4 +1.5
LOHW	Long Hollow	88.81	43	eP	P	20 55 44.7 +0.7
SNA4	Sanae	88.83	179	P	P	20 55 43.1 -0.4
SNA4	Sanae	88.83	179	P	P	20 55 42.8 -0.7
CM01	Chiang Mai Arr	88.87	290	eP	P	20 55 45.4 +0.8
QLMT	Earthquake Lak	88.88	41	eP	P	20 55 45.5 +1.3
FLWY	Flagg Beach	88.97	42	eP	P	20 55 46.2 +1.5
DAWY	Dawson	88.97	16	eP	P	20 55 44.1 +0.1
YHB	Horse Butte	88.98	41	eP	P	20 55 44.3 -0.5
YTP	Pitchstone Pla	89.00	42	eP	P	20 55 44.6 -0.3
VNA3	Neumayer Olymp	89.00	177	P	P	20 55 43.9 -0.3
YFT	Old Faithful	89.06	42	eP	P	20 55 46.7 +1.5
BW06	Boulder Array	89.08	44	eP	P	20 55 45.4 +0.1
PD31	Pinedale Array	89.08	44	eP	P	20 55 45.7 +0.4
PDAR	Pinedale Array	89.08	44	eP	P	20 55 46.0 +0.7
PDAR	Pinedale Array	89.08	44	eP	P	20 55 45.2 +0.0
YMR	Madison River	89.09	41	eP	P	20 55 46.6 +1.4
EGAK	Eagle	89.10	15	eP	P	20 55 44.5 0.0
BOZ	Bozeman (W)	89.13	40	eP	P	20 55 45.5 +0.3
BOZ	Bozeman (W)	89.13	40	eP	P	20 55 46.3 +1.0
SMCO	Snowmass	89.18	48	eP	P	20 55 46.5 +0.4
LNIG	Linareas	89.19	63	eP	P	20 55 46.2 +0.3
H17A	Grant Village	89.20	42	eP	P	20 55 47.6 +1.8
COLD	Coldfoot	89.28	11	eP	P	20 55 45.3 -0.1
WALA	Waterton Lakes	89.54	37	eP	P	20 55 47.1 0.0
HRY	Holter Researc	89.56	39	eP	P	20 55 48.0 +0.8
SDCO	Great Sand Dun	89.60	49	eP	P	20 55 48.4 +0.5
SDCO	Great Sand Dun	89.60	49	eP	P	20 55 48.7 +0.8
VNA1	Neumayer-Stat	89.66	177	P	P	20 55 47.3 +0.1
MSTX	Muleshoe	90.05	54	eP	P	20 55 50.0 +0.2
MSTX	Muleshoe	90.05	54	eP	P	20 55 50.1 +0.3
T25A	Trinidad	90.13	50	eP	P	20 55 50.7 +0.5
T25A	Trinidad	90.13	50	eP	P	20 55 50.8 +0.5
PHWY	Pilot Hill	91.15	46	eP	P	20 55 55.1 +0.2
YKA	Yellowknife Ar	96.21	25	P	P	20 56 15.6 -1.4
MKAR	Makanchi Array	109.92	314	PKKP	PKKP	21 01 15.0 -1.0
BKAR	Borovoye Array	117.95	349	PKP	PKP	21 01 30.0 -0.9
SPITS	Spitsbergen Ar	121.01	356	PKP	PKP	21 01 35.7 -0.7
ARCES	ARCES Array B	127.95	349	PKP	PKP	21 01 49.3 -0.5
FINES	FINES Array B	134.72	343	PKHP	PKHP	21 01 55.0
FINES						21 02 01.2 -1.6

FINES	1.5nm,0.6s,baz=315,slow=0.3,SNR=5.9	SKPbc	SKPbc	21 04 32.4 +0.2
NOB2	NORSAR Subarrat138.07 353	PKP	PKPpre	21 02 00.3
NOA	NORSAR Array B138.07 353	PKP	PKP	21 02 10.6 +1.5
HFS	Hagfors 138.59 350	PKHP	PKPpre	21 02 00.6
AKASG	Main Array Be 141.83 331	PKHP	PKPpre	21 02 11.5
AKASG	comp=Z,2.5nm,0.3s,baz=44,slow=4.3,SNR=13	SKPbc	SKPbc	21 04 50.9 -1.4
EKA	comp=Z,0.2nm,0.3s,baz=46,slow=3.0,SNR=5.8	SKPbc	SKPbc	21 02 20.0 -0.3
BR131	keskin Array B 145.56 313	ePKP	PKPbc	21 02 24.2 -0.7
BRTR	keskin Array B 145.56 313	ePKP	PKPbc	21 02 23.6 +0.5
BUR08	Buocovina Ar. S 145.86 330	ePKP	PKPbc	21 02 25.5 +0.2
BUR04	Buocovina Ar. S 145.87 330	ePKP	PKPbc	21 02 25.5 +0.1
MMAI	Mout Meron Ar 146.54 300	ePKP	PKPbc	21 02 28.1 +0.4
KSP	Ksiaz 146.63 342	ePKP	PKPbc	21 02 27.8 +0.5
MLR	Muntele Rosu 147.01 327	ePKP	PKPbc	21 02 28.4 -0.2
UJUC	Ujic 147.01 342	ePKP	PKPbc	21 02 28.6 +0.3
CLL	Collim 147.05 346	ePKP	PKPbc	21 02 27.9 -0.4
CLL	Collim 147.05 346	ePKP	PKPbc	21 02 28.3 0.0
CLL	comp=Z,4.0nm,0.5s	ePKP	PKPbc	21 02 32.0 -0.3
DRG	Dobruska-Polom 147.06 342	ePKP	PKPbc	21 02 28.6 +0.1
BPC	Beggshubel 147.23 345	ePKP	PKPbc	21 02 28.9 +0.1
YVHS	Yvhn 147.84 337	ePKP	PKPbc	21 02 30.8 +0.3
PRU	Prunichio 147.89 343	ePKP	PKPbc	21 02 30.8 +0.1
GOPC	GO Pecny, Ondr 147.89 343	ePKP	PKPbc	21 02 30.9 +0.3
MDS	Madrars-Plesko 148.48 344	ePKP	PKPbc	21 02 33.2 +1.2
KHC	Kasperske Hory 148.93 344	ePKP	PKPbc	21 02 34.3 +0.5
KHC	Kasperske Hory 148.93 344	ePKP	PKPbc	21 02 33.1 0.0
KGC	GERESS Array S 149.16 343	ePKP	PKPbc	21 02 33.2 -0.6
GERES	GERESS Array B 149.16 343	ePKP	PKPbc	21 02 33.7 -0.1
GEAD	GERESS Array S 149.16 343	ePKP	PKPbc	21 02 33.2 -0.5
CONA	Conrad Observa 149.34 340	ePKP	PKPbc	21 02 34.4 +0.2
DWF	Dourbes 149.53 355	ePKP	PKPbc	21 02 34.4 -0.1
LOU	Wairdange 149.81 353	ePKP	PKPbc	21 02 35.8 +0.6
MOA	Mora Mystica 149.90 342	ePKP	PKPbc	21 02 35.2 -0.3
VTS	Vitosha 150.43 325	ePKP	PKPbc	21 02 35.6 -1.5
SOKA	Soboth 150.71 340	ePKP	PKPbc	21 02 36.6 -0.8
PERS	Pernice 150.72 340	ePKP	PKPbc	21 02 37.0 -0.4
KBA	Koelnbreinsp 150.87 342	ePKP	PKPbc	21 02 36.8 -1.1
WATA	Walteralm 151.10 345	ePKP	PKPbc	21 02 37.8 -0.6
RETA	Reutte 151.15 346	ePKP	PKPbc	21 02 38.0 -0.4
WTTA	Wattenberg 151.15 345	ePKP	PKPbc	21 02 38.2 -0.3
MYKA	Myka 151.19 342	ePKP	PKPbc	21 02 37.4 -1.1
MOTA	Moosalm 151.20 346	ePKP	PKPbc	21 02 38.0 -0.7
ABTA	Abtlersbach 151.50 343	ePKP	PKPbc	21 02 38.0 -1.0
VISS	Visnje 151.55 339	ePKP	PKPbc	21 02 38.9 -0.4
BOJS	Bojanci 151.67 338	ePKP	PKPbc	21 02 39.4 -0.1
JAVS	Javornik 151.72 340	ePKP	PKPbc	21 02 39.4 -0.4
DAVOJ	Davos Schimat 152.01 347	ePKP	PKPbc	21 02 40.1 -0.4
ESDC	Sonsec Array 159.65 11	PKP	PKP	21 03 24.8 -1.6

SJA 03:20:45:10.5:0.7,29:67S:68:50W,h10km±10km,ML3.5, MW3.6,San Juan Province

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
AGUA	GUANDACOL	0.18	2	eP	Op	20 45 14.7 +0.2	
AGUA				eS	Pg	20 45 17.6 +0.3	
AMOG	MOGNA	1.26	180	eP	Sg	20 45 35.3 +0.5	
AUSP	Uspallata	2.66	196	eP	Pb	20 45 57.8 -0.6	
MRA	San Martin	3.63	140	eP	Pb	20 46 11.8 -3.1	
MRA				IAML		20 47 15.2	
TCA	Tanti	3.75	117	eP	Sb	20 46 12.8 -1.1	
TCA				eS	Pb	20 46 59.6 -2.9	

GUC 03:20:47:56.8:0.5,25:97S:69:82W,h5km±2km,ML4.3
 ISCJUB 03:20:48:01.4:0.4,25:87S:0:03:69:63W,0.06,h72km±4km,
 mb4.5/75,Error ellipse: s-maj=9.0km s-min=4.2km az=2.9
 NEIC 03:20:48:02.0:0.0,26:00S:70:90W,h65km,mb4.6/67,
 ML4.8(GUC),After GUC.
 NEIC Felt [11] at Copiapo and Tierra Amarilla. Also felt at Diego

IDC 03:20:48:03.0:0.6,25:93S:69:68W,h74km±4km,mb4.0/14,
 mb1.4/216,mb1mx0.4/2,mbmp4.3/16,MS3.1/4,
 Ms1.3/14,ms1mx2.4/1,Error ellipse: s-maj=19.4km
 s-min=13.4km az=64.0
 ISC 03:20:48:03.0:0.5,25:97S:0:03:69:75W,0.08,h67km±4km,
 h67km±P-P,n256,e131274,mb4.5/75,1,C,Northern

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
GO03	Copiap	1.67	195	eP	Pn	20 48 31.5 +1.2	
GO03				eSn	Pn	20 48 49.5 -1.4	
GO03	Copiap	1.67	195	eP	Pn	20 48 31.3 +1.0	
GO03				i/S	Pn	20 48 51.8 +0.9	
GO03				IAML		20 48 55.7	
GO03	IPOC Station P	2.56	343	ePn	Pn	20 48 41.9 -0.3	
PB10				eSn	Pn	20 49 01.5 -1.1	
PB10	IPOC Station P	2.56	343	eP	Pn	20 48 41.3 -0.9	
PB10				eS	Pn	20 49 12.1 -0.2	
PB10				IAML		20 49 30.5	
VACH	Vallenar	2.75	199	eP	Pn	20 48 43.6 -1.1	
VACH				i/S	Pn	20 49 19.7 +2.8	
PB15	IPOC Station P	2.76	5	eP	Pn	20 48 45.2 0.0	
PB15				i/S	Pn	20 49 22.0 +4.4	
LCO	Las Campanas	3.14	195	eP	Pn	20 48 50.5 +0.1	
PB06	IPOC Station P	3.26	3	eP	Pn	20 48 52.1 +0.3	
PB06				i/S	Pn	20 49 38.3 +4.3	
PB04	IPOC Station P	3.64	354	ePn	Pn	20 48 56.0 -1.2	
PB04				eS	Pn	20 49 45.1 +6.2	
GO04	Tololo Observa	4.29	192	eP	Pn	20 49 07.2 +1.1	
PB01	IPOC Station P	4.91	3	ePn	Pn	20 49 13.5 -1.0	
PB11							

Table of astronomical observations for 3d 21h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 AUG, listing station names, coordinates, and observation details.

Table of astronomical observations for 2012 AUG, listing station names, coordinates, and observation details.

IDC 03 21:04:14.5:1.3, 37.525x179.98W, h0km, mb4.1/4, mb1 4.3/6, mb1mx3.9/46, mbmtmp4.1/6, ML4.2/3, MS3.5/8, Ms1 3.5/8, ms1mx3.1/44, Error ellipse: s-maj=33.9km s-min=22.6km az=139.0

NEIC 03 21:04:16.7:4.2, 37.565x179.93W, h17km, 26km, mb4.3/3, Error ellipse: s-maj=21.6km s-min=8.9km az=120.2

WEL 03 21:04:17.5:0.9, 38.5x16.0W, h3km, ML4.6/27, ISO 11:04:12.1:3.4, 37.025x175.8W, 0.07, h3km, 2.1km, n87, r157/98, mb4.2, MS3.7, East of North Island

Table of astronomical observations for 2012 AUG, listing station names, coordinates, and observation details.

NIED 03 21:14:00, 41.80N; 144.40E, h20km, Mw4.0 Best double couple: Ms9.87000x10¹⁴ NP1.3x24.00000°, 841.00000°, 1.146.00000°, NP2.0x1.00000°, 868.00000°, 1.54.00000°.
ISCJB 03 21:14:50.7, 0.1, 41.79N; 144.39E, h35km, 3km, M3.7, mb3.6/13, mb1mx3.4/78, mbtmp3.6/13, ML2.5/3, MS2.9/6, Ms1.2/9.6, ms1mx2.7/58, Error ellipse: s-maj=10.0km s-min=7.3km az=175.3°
JMA 03 21:14:52.2, 0.41, 79N; 144.39E, h35km, 3km, M3.7, IDC 03 21:14:53.5, 3.4, 41.74N; 144.25E, h35km, 25km, mb3.4/11, mb3.1/3, mb1mx3.4/78, mbtmp3.6/13, ML2.5/3, MS2.9/6, Ms1.2/9.6, ms1mx2.7/58, Error ellipse: s-maj=26.7km s-min=17.2km az=83.0°

ISC 03 21:14:53.2, 0.8, 41.76N; 144.33E, 0.07, h34km, n30, s124/24, mb3.8/11, Hokkaido region

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
JEM	Erimo	0.91	287	Op	Pn	21 15 10.3 -0.3
JTHR	Tokachihiroo	0.93	305	P	Pb	21 15 09.5 -0.4
JTHR				eS	Pn	21 15 23.3 +0.3
JCH	Churui	1.12	320	P	Pn	21 15 11.8 -0.6
JOB	Onbets	1.20	342	P	Pn	21 15 13.1 -0.5
JAK	Akheshi	1.27	12	P	Sn	21 15 12.9 -1.4
JAK				eS	Pn	21 15 15.6 -1.2
JNBK	Urawaka-nobuka	1.28	294	P	Pb	21 15 15.6 -1.2
ASAJ	Asahikawa	2.68	332	Pn	Pb	21 15 33.9 0.0
ASAJ		0.6nm, 0.3s, baz=186, slow=10.0, SNR=8.9		Pg	Pn	21 15 43.6 +3.2
ASAJ		3.6nm, 0.3s, baz=184, slow=13, SNR=22		Sb	Pn	21 16 07.7 +2.6
ASAJ		5.9nm, 0.3s, baz=185, slow=16, SNR=5.4		Lg	Lg	21 16 18.2
ASAJ		3.5nm, 0.3s, baz=73, slow=19, SNR=3.8		LR	LR	21 16 57.4
MJAR	Matsushiro Arr	7.05	224	Pn	Pn	21 16 34.9 +0.9
MJAR		0.3nm, 0.3s, baz=30, slow=13, SNR=7.1		LR	LR	21 19 58.3
MJAR		comp=Z, 117nm, 19.7s, baz=40, slow=44		Pn	Pn	21 17 33.7 -1.9
KLR	Kul'dur	11.55	315	Pn	Pn	21 23 20.1
KSR5	Korea Arr	13.27	17	LR	LR	21 23 20.1
JNU	Nakatsue	13.72	235	LR	LR	21 23 22.7
PETK	Petrovlovsk	14.39	34	LR	LR	21 23 13.5
SOM	Songino Arr	27.9	296	P	P	21 20 34.5 -0.9
H11N2	WAKE ISLAND Hy 29.13 132	T	T	21 51 36.2		
H11N1	WAKE ISLAND Hy 29.14 132	T	T	21 51 36.2		
H11N3	WAKE ISLAND Hy 29.15 132	T	T	21 51 33.6		
TLY	Talaya	29.26	304	LR	LR	21 32 39.5
H11S1	WAKE ISLAND Hy 30.02 134	T	T	21 52 55.5		
H11S3	WAKE ISLAND Hy 30.02 134	T	T	21 52 52.6		
H11S2	WAKE ISLAND Hy 30.04 134	T	T	21 53 32.6		
ZALV	Zalesovo Beam	40.57	308	P	P	21 22 28.9 -0.2
MKAR	Makanchi Arr	43.69	299	P	P	21 22 54.5 -0.1
ILAR	Eileison Arr	44.31	35	P	P	21 22 59.0 -0.4
KURBB	Kurchatov Arr	45.02	305	P	P	21 23 05.3 +0.1
BVAR	Borovoye Arr	49.17	310	P	P	21 23 37.9 +0.4
WR	Warramunga Arr	62.08	191	P	P	21 25 10.6 +0.1
FINES	Finess Arr	65.69	332	P	P	21 25 33.6 -0.1
ASAR	Alice Springs	65.81	190	P	P	21 25 34.2 -0.7
NOA	NORSAR Arr	70.69	338	P	P	21 26 05.5 +0.4
TXAR	Lajitas Arr	85.49	54	P	P	21 27 29.6 +1.8

IDC 03 21:24:54.6, 1.0, 60.02N; 153.80W, h121km, 1.2km, mb3.6/13, mb1 3.8/17, mb1mx3.5/60, mbtmp4.0/17, MS3.6/1, Ms1.3/5.1, ms1mx2.4/59, Error ellipse: s-maj=12.1km s-min=10.7km az=87.0°
ISCJB 03 21:24:55.0, 0.2, 59.98N; 153.53W, 0.05, h156km, 2km, mb3.7/14, Error ellipse: s-maj=4.7km s-min=3.0km az=135.0°
NEIC 03 21:24:57.3, 0.0, 59.96N; 153.53W, h154km, ML3.8(AEIC), After AEIC.

ISC 03 21:24:57.1, 0.7, 59.98N; 153.53W, 0.04, h153km, 5km, n121, s117/135, mb3.8/14, Southern Alaska

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
RDWB	Redoubt West	0.61	34	Op	Pn	21 25 18.8 -0.7
RDWB				S	Pn	21 25 19.5 -0.9
AUW	Augustine West	0.61	177	P	Pn	21 25 20.1 +0.7
AUP	Augustine Pinn	0.62	177	P	Pn	21 25 20.2 +0.7
AUI	Augustine Isla	0.65	176	P	Pn	21 25 20.3 +0.7
AUI				S	Pn	21 25 36.6 -0.1
RDJH	Redoubt Jeurge	0.71	30	S	Pn	21 25 19.6 -0.5
RDJH				S	Pn	21 25 37.4 -0.4
DFR	Drift River	0.74	34	P	Pn	21 25 19.7 -0.6
DFR				S	Pn	21 25 37.9 -0.1
MCNL	McNeil River	0.90	208	P	Pn	21 25 21.3 -0.1
HOM	Home	1.00	108	P	Pn	21 25 22.2 -0.1
HOM				P	Pn	21 25 41.0 -0.2
CDD	Cape Douglas	1.06	103	P	Pn	21 25 22.8 +0.1
CNPM	China Pool	1.25	111	P	Pn	21 25 23.9 -0.5
CNPM				S	Pn	21 25 43.9 -1.3
BRLK	Bradley Lake	1.35	98	P	Pn	21 25 24.9 -0.4
BRLK				S	Pn	21 25 46.4 -0.6
SPCR	Spurr Chakacha	1.39	27	S	Pn	21 25 53.7 -0.1
SPCR				S	Pn	21 25 48.0 +0.3
SPCP	Crater Peak Br	1.46	27	P	Pn	21 25 26.7 +0.2
SPCG	Spurr Capps Gl	1.51	29	P	Pn	21 25 27.0 -0.1
SVW2	Sparrevohn	1.51	319	P	Pn	21 25 25.9 -1.1
SVW2				P	Pn	21 25 48.1 -1.8
KAKN	Katmai Knife C	1.87	206	S	Pn	21 25 29.5 -1.5
KAKN				S	Pn	21 25 54.3 -2.6
KELA	Mount Kelaz	1.92	217	P	Pn	21 25 31.6 0.0
KABU	Katmai Buttes	1.94	209	P	Pn	21 25 30.6 -1.2
SUA	Susitna One	2.02	41	P	Pn	21 25 32.5 -0.2
FIB	Fire Island	2.04	53	P	Pn	21 25 33.1 -0.4
ANCK	Aniakchak	2.06	210	P	Pn	21 25 33.4 +0.3
CAHL	Cañon	2.14	206	P	Pn	21 25 34.7 +0.6
RC01	Rabbit Creek A	2.18	58	P	Pn	21 25 33.7 -0.7
SKT	Skwentna	2.23	25	P	Pn	21 25 34.9 -0.1
KDAK	Kodiak Island	2.26	167	S	Pn	21 25 32.8 -2.5
KDAK		10nm, 0.3s, baz=31, slow=5.0, SNR=297		P	Pn	21 26 01.1 -3.8
PTE	Portage	2.40	66	P	Pn	21 25 36.2 -0.9
PLK2	Peulik 2	2.60	214	P	Pn	21 25 39.4 -0.9
PMT	Palmer	2.62	119	P	Pn	21 25 39.9 -1.4
PLK3	Peulik 3	2.71	213	P	Pn	21 25 40.1 -0.7
PLK1	Peulik 1	2.71	218	P	Pn	21 25 40.0 -0.8
OHAK	Old Harbor	2.77	177	P	Pn	21 25 37.8 -3.9
PLK4	Peulik 4	2.78	213	P	Pn	21 25 41.2 -0.7
TRAP	Trapper Creek	2.84	57	P	Pn	21 25 42.1 -0.4
KNK	Knik Glacier	2.88	58	S	Pn	21 25 41.5 -1.5
KNK				S	Pn	21 26 16.8 -1.7
PML	Purkeypile	3.00	12	P	Pn	21 25 45.5 +0.9
SLL	Sawmill	3.13	52	P	Pn	21 25 44.7 -1.5
TT01	Tatalina	3.17	399	P	Pn	21 25 45.5 -1.1
GLI	Glacier Island	3.31	71	P	Pn	21 25 46.4 -0.3
SIL	Sitkinak Island	3.41	386	P	Pn	21 25 47.5 -2.8
CAST	Castle Rocks	3.52	11	P	Pn	21 25 50.8 -0.3
HIN	Hinchinbrook I	3.53	80	P	Pn	21 25 50.2 -1.1
HUR	Hurricane	3.54	30	P	Pn	21 25 51.0 -0.3
SCM	Sheep Creek Mo	3.55	56	P	Pn	21 25 50.5 -1.1
FID	Fort Fisher	3.57	31	P	Pn	21 25 51.2 -0.0
JPK	Jack Peak	3.59	70	P	Pn	21 25 51.1 -0.9
MID	Middleton Isla	3.68	96	P	Pn	21 25 52.5 -0.7
VMT	TAPS TI Valdez	3.71	70	P	Pn	21 25 53.4 -0.1

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
TRF	Thorofare Moun	3.81	22	P	Pn	21 25 54.8 -0.2
ANNE	Aniakchak Nort	3.89	220	P	Pn	21 25 54.7 -1.4
EYAK	Corvada Ski Ar	3.92	78	P	Pn	21 25 55.5 -0.7
DIV	Divide	4.00	70	P	Pn	21 25 56.3 -1.0
KLU	Klutina	4.03	65	P	Pn	21 25 56.6 -1.2
RND	Reindeer	4.07	26	P	Pn	21 25 57.0 -0.6
SGAM	Sherman Glacier	4.18	79	P	Pn	21 25 59.0 -0.6
DHY	Denali Highway	4.28	41	P	Pn	21 26 00.2 -0.9
BPWA	Bear Paw Mtn.	4.30	15	P	Pn	21 26 00.5 -0.8
MCK	McKinley	4.35	28	P	Pn	21 26 01.6 -0.3
RAGM	Ragged Mountai	4.44	81	P	Pn	21 26 02.6 -0.5
VNHG	Veniaminof 1	4.52	26	P	Pn	21 26 03.2 -1.7
BMRM	Bremner River	4.53	74	P	Pn	21 26 03.3 -1.0
KAIM	Kayak Island	4.58	87	P	Pn	21 26 04.9 -0.1
HARP	HAARP	4.72	55	P	Pn	21 26 05.6 -0.3
NICHA	Nichawak Mount	4.73	83	P	Pn	21 26 05.5 -1.2
VNHG	Veniaminof 1	4.83	26	P	Pn	21 26 06.2 -1.7
PAK	Paxson	4.89	49	P	Pn	21 26 08.6 -0.5
VNSS	Veniaminof 8	4.91	222	P	Pn	21 26 07.4 -2.1
BERG	Berg Lake	4.92	81	P	Pn	21 26 08.5 -1.0
GLB	Galatina Butte	4.96	69	P	Pn	21 26 09.7 -0.7
NLA	Nelana	5.09	22	P	Pn	21 26 10.5 -0.7
CHG	Chitina Repeater	5.12	29	P	Pn	21 26 11.6 -0.6
KHIT	Khivot Hills	5.15	80	P	Pn	21 26 12.1 -0.4
WRH	Wood River Hill	5.17	27	P	Pn	21 26 11.7 -1.0
MCARA	McCarthy VSAT	5.35	70	P	Pn	21 26 14.9 -0.2
TGL	Tana Glacier	5.37	77	P	Pn	21 26 15.1 -0.3
CHC	Clear Creek Be	5.39	27	P	Pn	21 26 14.7 -0.2
HDA	Harding Lake	5.40	32	P	Pn	21 26 14.7 -0.7
KULT	Kulthier River	5.41	83	P	Pn	21 26 14.6 -1.4
BARK	Barkley Ridge	5.52	81	P	Pn	21 26 16.9 -0.5
PS08	TAPS Pump Str8	5.54	31	P	Pn	21 26 16.9 -0.7
IDM	Murphy Dome	5.56	24	P	Pn	21 26 17.2 -0.7
COL	College	5.57	26	P	Pn	21 26 17.3 -0.6
RIDG	Independe's Rid	5.58	44	P	Pn	21 26 17.8 -0.3
PTPK	Patty Peak	5.58	73	P	Pn	21 26 18.2 -0.1
ISLE	Juniper Island	5.60	79	P	Pn	21 26 17.9 -0.6
KIAG	Kiagna River	5.61	75	P	Pn	21 26 17.5 -1.2
BALM	Baldy	5.62	74	P	Pn	21 26 18.5 -0.3
ILAR	Eileison Arr	47.81	261	P	Pn	21 26 18.8 -1.1
ILAR		2.2nm, 0.3s, baz=215, slow=13, SNR=333		S	Pn	21 27 21.9 -2.7
ILB	Yellowknife Arr	14nm, 0.3s, baz=221, slow=19, SNR=18		P	Pn	21 26 18.9 -0.9
BAGL	Bagley Leifell	5.72	80	P	Pn	21 26 19.8 -0.1
GRNC	Granite Creek	5.89	78	P	Pn	21 26 22.2 -0.3
SCRK	Sand Creek	6.02	44	P	Pn	21 26 23.0 -1.1
IM3	Indian Mountai	6.03	359	P	Pn	21 26 23.9 -0.1
CTGM	Chitina Glacier	6.11	75	P	Pn	21 26 25.7 +0.4
CHX	Chalk Hills	6.22	66	P	Pn	21 26 27.2 -0.6
SAMH	Samovar Hills	6.39	83	P	Pn	21 26 27.1 -1.8
BCA3	Beaver Creek A	6.41	56	P	Pn	21 26 29.0 -0.2
YUK2	White River	6.45	68	P	Pn	21 26 30.2 +0.4
DT1	Dutton Round H	6.79	228	P	Pn	21 26 32.8 -1.3
DRIA	Deer Island	6.89	227	P	Pn	21 26 33.6 -1.9
PNL	Peninsula B	7.31	21	P	Pn	21 26 38.2 -0.5
COLD	Coldfoot	7.42	10	P	Pn	21 26 42.5 -0.1
EGAK	Eagle	7.49	45	P	Pn	21 26 42.6 -0.9
YUK6	Outpost Mounta	7.56	76	P	Pn	21 26 43.6 -1.1
DAWY	Dawson	7.80	52	ePn	Pn	21 26 47.4 -0.3
DAWY		8.38	38	Sn	Pn	21 28 13.1 -1.6
INUK	Inuvik	12.02	38	P	Pn	21 27 43.5 +0.4
INK		0.9nm, 0.3s, baz=204, slow=12, SNR=13		S	Pn	21 30 08.1 -3.6
YKA	Yellowknife Arr	18.70	25	P	Pn	21 29 04.0 +0.7
NEW	Newport	24.00	103	P	P	21 29 59.7 +2.3
PETK	Petrovlovsk	27.9	277	P		

3d 22h

LDG 03:22:30:53.1-0.1, 44.03N-16.82E, h2km, M13.5/2, Error ellipse: s-maj=4.6km s-min=2.5km az=34.0

PRU 03:22:55.5-0.0, 44.18N-16.72E, h0km

ISC 03:22:55.0-1.2, 44.05N-0.02-16.81E, h9km, 10km, n157, s1964/248, 24C-13D, Northwest Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Banja Luka, Udbina, Doboj, Ston, etc.

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Table with columns: PHP, BOVS, MDRV, BZAS, BARS, BZS, KBA, etc. Lists various stations and their coordinates and phases.

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IDC 03:22:42:34.9-0.8, 54.11N-35.30W, h0km, mb3.7/17, m1 3.9/18, m1mx3.7/70, nbtmmp3.7/18, ML3.7/1, MS3.6/33, Ms1 3.6/33, ms1mx3.4/67, Error ellipse: s-maj=22.3km s-min=15.2km az=11.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Borgaranes, Jan Mayen, NOA, etc.

NIED 03:22:43:00.23:00N:120:80E, h23km, Mw3.9 Best double couple: M=6.73000x10^14 NP1:338.00000, 824.00000, 7.54.00000 NP2:197.00000, 871.00000, 1.105.00000

TAP 03:22:43:42.7, 02:282N:120:73E, h19km, ML4.3, b

ISCJB 03:22:43:43.6, 0.2, 22.79N, 0.01, 120.72E, 0.2, h27km, 1km, mb3.8/14, MS2.8/2, Error ellipse: s-maj=2.4km

IDC 03:22:43:49.2, 6.8, 22.69N, 120.79E, h82km, 63km, mb3.5/15, ms1 3.7/15, m1mx3.4/69, nbtmmp3.8/15, MS2.9/3, Ms1 3.0/3, ms1mx2.6/53, Error ellipse: s-maj=29.1km s-min=13.5km az=67.0

ISC 03:22:43:42.7, 0.8, 22.87N, 0.01, 120.75E, 0.02, h17km, 55km, n127, s183/182, mb3.9/14, 9C-18D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like Liugu, Sandimen, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like TWM1 Shoushan, ECL Taimai, CHN1 Nanshi, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DPDB Guoxing, WCHH Zhonghua, CHGB Renai, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like NOA NORPAR Array B, YKA Yellowknife Ar, and various South Island stations.

3d 23h

Table of station data for 3d 23h, including columns for station name, coordinates, and other parameters.

ISCB 03 23:13:46.3-0.3, 23:64N-0.01-1.22:01E-0.01, h17km, 3km, Error ellipse: s-maj=2.7km s-min=1.8km az=140.1

Table of station data for ISCB 03 23:13:46.3-0.3, 23:64N-0.01-1.22:01E-0.01, h17km, 3km.

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Main table of station data for 2012 AUG, listing various stations and their coordinates.

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Table of station data for 152, including station names and coordinates.

ISK 03 23:18:25.3, 37:89N-26:77E, h13km, 1km, ML 1.8/5 ISCB 03 23:18:26.0-0.8, 37:90N-0.05-26:75E-0.08, h18km, 14km, Error ellipse: s-maj=12.0km s-min=5.8km az=149.9

Table of station data for ISK 03 23:18:25.3, 37:89N-26:77E, h13km, 1km, ML 1.8/5.

ISCB 03 23:34:10.9, 8:39S-107:68E, h93km, mb4.6/14, mb5.1/5 ISCB 03 23:34:15.0-0.5, 7:72S-107:05-108:10E-0.03, h95km, 4km, mb4.5/51, Error ellipse: s-maj=9.3km s-min=4.4km az=24.4

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various other identifiers. Includes stations like Cimerak, Karang Pucung, Lembing, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various other identifiers. Includes stations like KKAR Karatay Array, KURBB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and various other identifiers. Includes stations like S414 Jillico Farms, P45A Graceland, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PETK, MAGADAN, PETROPAVLOVSK, ANKARA, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ITHOMI, LITOKHORON, LOTRU, VANDALOVO, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BEHE, BECESEHELY, BEHE, CUC, KRALIKY, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like 241A, 241B, W50A, W50B, X46A, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like 154A, 154B, 155A, 156A, 250A, etc.

WEL 04 02:01:38.9; 1.2, 38'S; 13°18'0W; h,333km, ML3.9/13,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WMGZ, WMLGZ, MXZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KIW, Kapiti Island, OUZ, Omahuta.

ROM 04:02:12:46.8; 0.1, 43.612N; 0.0066; 12.141E; 0.006,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SSP9, Sansepolcro, SSP10, etc.

IGQ 04:02:22:48.0; 0.9, 4.7S; 7°28'W; h,4km,8km, mB5.1/4,

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MILO, Milagro-Astudi, QUEV, etc.

DDA 04:02:23:45.8; 38.82N; 43.62E, h10km, M12.8

ISCJB 04:02:23:46.3; 0.7, 38.82N; 0.03; 43.59E; 0.05, h3km,6km,

ISC 04:02:23:46.3; 0.7, 38.82N; 0.03; 43.59E; 0.03, h11km,8km,

n24, 4078/30, Turkey

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

GIL 04:02:23:49.0; 0.0, 39.71N; 28.08E, h7km

ISK 04:02:23:50.7; 38.68N; 28.06E, h9km, ML4.2/24

NEIC 04:02:23:50.9; 0.0, 38.69N; 28.04E, h5km, mb4.0/6,

ML4.2(ISK), After ISK.

ATH 04:02:23:50.4; 38.70N; 28.04E, h16km,1km, ML3.9/6, Error

DDA 04:02:23:50.8; 38.72N; 28.07E, h23km, M14.2

IDD 04:02:23:50.7; 0.7, 38.62N; 28.18E, h0km, mb3.6/12,

ISCJB 04:02:23:51.6; 0.5, 38.71N; 0.01; 28.09E; 0.01, h9km,2km,

MOS 04:02:23:51.0; 1.4, 38.69N; 28.19E, h10km, mb4.0/8, Error

PDG 04:02:23:51.6; 0.5, 38.70N; 28.06E, h11km, ML4.2/9, Error

THE 04:02:23:52.5; 38.67N; 28.04E, h11km, ML3.8/7, Error

SOE 04:02:24:02.6; 0.9, 39.31N; 27.41E, h15km, MD3.8

ISC 04:02:23:51.6; 0.1, 38.70N; 0.02; 28.07E; 0.01, h4km,7km,

n344, 4138/10, mb3.7/18, MS3.8/3, 31C-33D, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like AKHS, Akhisar, AKS, etc.

KULA Kula-Manisa	0.50 112	Pg	Pg	02 24 00.9 -0.3	SMTH Samothraki Isl	2.64 313	P	Pn	02 24 34.5 -0.4	TTG Podgorica	7.67 302	eP	Pn	02 25 46.0 +2.0
DEMI Demirci	0.61 561	P	Sg	02 24 03.4 +0.1	ALN Alexandroupoli	2.69 325	P	Pn	02 24 35.3 -0.3	KOME Kolasin	7.70 305	l/Pn	Pn	02 25 46.1 +1.6
DEMI DEMI		iS	Sg	02 24 11.2 0.0	ALN		S	Sn	02 25 08.2 -0.3	KOME		i/Sn	Sn	02 27 11.3 -0.9
STEP BALIKESIR_Sava	0.73 338	l/P	Sg	02 24 04.8 -0.7	ALN	comp=N,2229um,0.4s	AML	AML	02 25 20.0	SIM Simferopol'	7.70 34	eP	Sn	02 25 42.6 -1.8
STEP		i/S	Sg	02 24 15.6 +0.6					02 25 23.3	SIM	comp=Z,27nm,0.3s	smax	smax	
AYDB Zeytinkoy-Aydi	0.77 191	PG	Sg	02 24 16.1 -0.2	ALN	comp=E,1895um,1.3s	AML	AML	02 24 35.0 -0.6	SIM	comp=E,24um,0.8s	smax	smax	
SIMA Simav-Kutahya	0.81 61	PG	Sg	02 24 07.1 0.0	ALN	Alexandroupoli	2.69 325	ePn	02 24 35.3 -0.3	SIM	comp=N,19um,0.8s	MLR	MLR	
SMAA Simav-Kutahya	0.81 61	PG	Sg	02 24 07.2 0.0	ALN	Alexandroupoli	2.69 325	P	02 24 35.0 -0.6	SIM	comp=Z,240nm,19.0s	MLR	MLR	
BLBC Balçova	0.87 249	PG	Pg	02 24 07.5 -0.7	ALN	Alexandroupoli	2.69 325	P	02 24 38.0 -0.9	MDVR Moldovita	7.71 324	l/P	Pn	02 25 44.3 -0.3
BLBC Balçova	0.87 249	PG	Pg	02 24 07.5 -0.7	ALN	Alexandroupoli	2.69 325	P	02 24 38.0 -0.9	BUM Brajici-Budva	7.86 300	l/P	Pn	02 25 48.2 +2.5
BALB Balikesir	0.95 351	PG	Pg	02 24 09.7 -0.1	KSL Kastellorizon	2.82 154	P	Pn	02 24 37.5 +0.2	CEME Cevo	7.95 302	l/Pn	Sn	02 25 49.4 +1.5
BALB Balikesir	0.95 351	PG	Pg	02 24 09.7 -0.1	KSL Kastellorizon	2.82 154	P	Pn	02 24 38.0 -0.9	CEME		i/Sn	Sn	02 27 16.8 -1.5
DURS Dursunbey	0.95 191	l/P	Sg	02 24 09.3 -0.5	KARY Karystos	2.93 258	P	Pn	02 24 41.6 +0.1	NKY Niksic	8.02 304	l/Pn	Sn	02 25 50.8 +1.9
DURS Dursunbey	0.95 191	l/P	Sg	02 24 09.3 -0.5	KARY Karystos	2.93 258	P	Pn	02 24 41.7 +0.1	NKME Niksic	8.02 303	eSn	Sn	02 27 18.5 -1.5
SHAP Saphane-Kutahya	0.95 70	PG	Pg	02 24 09.9 0.0	IOSP Ios Island	2.96 292	P	Pn	02 24 40.9 -1.8	NKME		eSn	Sn	02 27 18.6 -1.5
DIKI Dikili	1.00 25	PG	Pg	02 24 10.6 -0.1	IOSP Ios Island	2.96 292	P	Pn	02 24 40.9 -1.8	PLE Pljevlja	8.03 308	l/Pn	Sn	02 25 50.0 +1.2
TAV Tavas	1.00 25	PG	Pg	02 24 10.6 -0.1	SANT Santorini	3.12 223	ePn	Pn	02 24 41.6 +0.1	PLE		i/Sn	Sn	02 27 19.2 -1.0
DST Dursunbey	1.00 25	PG	Pg	02 24 10.6 -0.1	RDO Rodhopi	3.12 322	P	Pn	02 24 41.7 +0.1	HNTI Hanita	8.04 132	Pn	Sn	02 25 47.0 -2.1
DST Dursunbey	1.00 25	PG	Pg	02 24 10.6 -0.1	RDO Rodhopi	3.12 322	P	Pn	02 24 42.0 -0.7	SUDU Sudak	8.06 38	eP	Sn	02 25 46.7 -2.5
FOCM Fo Sa	1.05 271	PG	Pg	02 24 11.1 -0.6	THAS Thassos Island	3.21 307	P	Pn	02 24 42.0 -0.7	SUDU		eSn	Sn	02 25 49.1 -1.8
AYDN Tasoluk	1.05 188	l/P	Sb	02 24 26.7 +0.2	SERI Serifos	3.23 243	P	Pn	02 24 42.0 -0.7	MMAI	comp=Z,2.9nm,0.3s,baz=313,slow=12,SNR=36	LR	LR	02 27 20.6 -4.4
AYDN Tasoluk	1.05 188	l/P	Sb	02 24 26.7 +0.2	SERI Serifos	3.23 243	P	Pn	02 24 42.0 -0.7	MMAI	comp=Z,0.9nm,0.3s,baz=305,slow=28,SNR=2.9	LR	LR	02 30 20.7
BALY Balya	1.09 341	l/P	Sg	02 24 11.8 -0.8	SERI Serifos	3.23 243	P	Pn	02 24 41.6 -1.4	MMAI	comp=Z,125nm,18.2s,baz=210,slow=48	LR	LR	02 25 50.2 -1.8
BALY Balya	1.09 341	l/P	Sg	02 24 11.8 -0.8	SERI Serifos	3.23 243	P	Pn	02 24 41.6 -1.4	MMAI	comp=Z,125nm,18.2s,baz=210,slow=48	LR	LR	02 25 50.2 -1.8
DGB DGB	1.14 236	l/P	Sg	02 24 26.5 -0.3	KARP Karpathos	3.23 193	ePn	Pn	02 24 43.3 +0.2	KSDI Kefar Szold	8.25 29	Pn	Pn	02 25 53.8 -1.7
DGB DGB	1.14 236	l/P	Sg	02 24 26.5 -0.3	KARP Karpathos	3.23 193	ePn	Pn	02 24 43.3 +0.2	UPM Unap-Piva	8.26 306	l/Pn	Pn	02 25 53.8 -1.7
KHAL Karahalli	1.16 106	l/P	Sg	02 24 12.8 -0.6	AOS Alonissos	3.30 279	P	Pn	02 24 42.4 +0.3	OFRI 'Ofer	8.27 135	Pn	Pn	02 25 50.5 -1.9
KHAL Karahalli	1.16 106	l/P	Sg	02 24 12.8 -0.6	AOS Alonissos	3.30 279	P	Pn	02 24 42.4 +0.3	BLGI Bet Lehem HaGe	8.30 134	Pn	Pn	02 25 51.6 -1.2
GDZ Gediz	1.17 70	l/P	Pg	02 24 13.4 -0.9	DION Dionisos Attiki	3.30 260	P	Pn	02 24 43.3 +0.2	BRY Bratogost	8.36 303	l/Pn	Pn	02 25 54.3 +1.7
GDZ Gediz	1.17 70	l/P	Pg	02 24 13.4 -0.9	DION Dionisos Attiki	3.30 260	P	Pn	02 24 43.3 +0.2	BRY Bratogost	8.36 303	l/Pn	Pn	02 25 54.3 +1.7
KRBN Karaburun	1.19 265	PN	Pg	02 24 13.4 -0.9	PLY Poutla, Athens	3.47 257	P	Pn	02 24 43.3 +0.2	BIZ Bicaz	8.36 351	l/Pn	Pn	02 25 56.6 +1.2
GCAM G?zeicami?	1.20 214	l/P	Pg	02 24 13.4 -0.9	PLY Poutla, Athens	3.47 257	P	Pn	02 24 43.3 +0.2	BIZ Bicaz	8.36 351	l/Pn	Pn	02 25 56.6 +1.2
GCAM G?zeicami?	1.20 214	l/P	Pg	02 24 13.4 -0.9	PLY Poutla, Athens	3.47 257	P	Pn	02 24 43.3 +0.2	BIZ Bicaz	8.36 351	l/Pn	Pn	02 25 56.6 +1.2
KHL Karahalli	1.20 108	PN	Pb	02 24 14.7 -0.2	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	KSHT Keshet	8.49 130	Pn	Pn	02 25 54.4 -2.3
KHL Karahalli	1.20 108	PN	Pb	02 24 14.7 -0.2	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	KSHT Keshet	8.49 130	Pn	Pn	02 25 54.4 -2.3
URLA Izmir	1.21 254	l/P	Pg	02 24 13.9 -0.8	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	SLTI Sal'it	8.59 137	Pn	Pn	02 25 55.7 -1.9
URLA Izmir	1.21 254	l/P	Pg	02 24 13.9 -0.8	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	SLTI Sal'it	8.59 137	Pn	Pn	02 25 55.7 -1.9
URLA Izmir	1.21 254	l/P	Pg	02 24 13.9 -0.8	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	SLTI Sal'it	8.59 137	Pn	Pn	02 25 55.7 -1.9
URLA Izmir	1.21 254	l/P	Pg	02 24 13.9 -0.8	OUR Ouranopolis	3.56 299	P	Pn	02 24 42.7 -0.2	SLTI Sal'it	8.59 137	Pn	Pn	02 25 55.7 -1.9
DENT Denizli	1.21 141	PN	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DENT Denizli	1.21 141	PN	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DENT Denizli	1.21 141	PN	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
AYVA Ayvalik	1.23 300	l/P	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
AYVA Ayvalik	1.23 300	l/P	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
AYVA Ayvalik	1.23 300	l/P	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
AYVA Ayvalik	1.23 300	l/P	Pg	02 24 14.6 -0.6	PAIG Palouri	3.62 291	P	Pn	02 24 42.7 -0.2	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DNZL Cakiroluk	1.27 142	l/P	Pg	02 24 15.9 -0.3	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DNZL Cakiroluk	1.27 142	l/P	Pg	02 24 15.9 -0.3	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DNZL Cakiroluk	1.27 142	l/P	Pg	02 24 15.9 -0.3	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
DNZL Cakiroluk	1.27 142	l/P	Pg	02 24 15.9 -0.3	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
GONE Gonen-Balikesi	1.37 348	PN	Pb	02 24 17.0 -1.0	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
GONE Gonen-Balikesi	1.37 348	PN	Pb	02 24 17.0 -1.0	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
GONE Gonen-Balikesi	1.37 348	PN	Pb	02 24 17.0 -1.0	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
GONE Gonen-Balikesi	1.37 348	PN	Pb	02 24 17.0 -1.0	ANTO Antok	3.85 71	ePn	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Sb	02 24 16.0 -1.7	XOR XORichti	3.86 281	P	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Sb	02 24 16.0 -1.7	XOR XORichti	3.86 281	P	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Sb	02 24 16.0 -1.7	XOR XORichti	3.86 281	P	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Sb	02 24 16.0 -1.7	XOR XORichti	3.86 281	P	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG comp=N,7179um,0.4s		AML	AML	02 24 40.0	JMB Yambol	3.93 344	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Pn	02 24 16.0 -1.7	JMB Yambol	3.93 344	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Pn	02 24 16.0 -1.7	JMB Yambol	3.93 344	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG Samos	1.39 225	P	Pn	02 24 16.0 -1.7	JMB Yambol	3.93 344	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG DENIZLI_Tavas	1.40 151	l/P	Sg	02 24 17.0 -1.0	RZN Rzesen	3.94 320	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG DENIZLI_Tavas	1.40 151	l/P	Sg	02 24 17.0 -1.0	RZN Rzesen	3.94 320	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG DENIZLI_Tavas	1.40 151	l/P	Sg	02 24 17.0 -1.0	RZN Rzesen	3.94 320	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
SMG DENIZLI_Tavas	1.40 151	l/P	Sg	02 24 17.0 -1.0	RZN Rzesen	3.94 320	PG	Pg	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
CESE e me	1.44 256	PN	Pn	02 24 17.4 -1.0	PLG Polygyros	3.95 296	P	Pn	02 24 51.2 -0.5	MMLI Mount Malkishu	8.65 134	Pn	Pn	02 25 00.9 +0.9
PRK Paraskavi	1.50 292													

Table with columns: MKAR, KURBB, ARCES, FINES, GERS, etc. Station Name, Az, Phase ID, Time, Res. Includes station names like Makanchi Array, Kurchatov Arra, etc.

ISCJB 04 03:52:17.1±0.9, 55°15S:01:28'2W:0.4, h10km, mb3.7/5, MS3.0/2, Error ellipse: s-maj=37.0km s-min=15.5km az=156.8

IDC 04 03:52:17.7±1.1, 55°13S:28'32W, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.7/3, mbtmp3.7/6, ML3.6/1, MS3.1/2, Ms1 3.1/2, ms1mx2.7/29, Error ellipse: s-maj=48.3km s-min=22.1km az=68.0

ISC 04 03:52:19.1±0.5, 51S:02:28'3W:0.3, h10km, n14, 05627.7, mb3.8/5, South Sandwich Islands region

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

IDC 04 04:02:11.6±7.7, 16°87S:179°39W, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.5/47, mbtmp3.4/3, Error ellipse: s-maj=343.3km s-min=35.7km az=142.0, Fiji Islands region

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

ISCJB 04 04:03:36.7±1.7, 15°8S:0°6'174.3W:0.4, h115km, mb3.9/6, Error ellipse: s-maj=108.7km s-min=9.3km az=146.7

IDC 04 04:03:38.0±3.3, 16°21S:174°07W, h118km, 25km, mb3.6/6, mb1 3.9/7, mb1mx3.5/49, mbtmp4.0/7, Error ellipse: s-maj=120.8km s-min=18.4km az=145.0

ISC 04 04:03:38.0±1.9, 16°05S:0°7'174.2W:0.5, h115km, n13, 0150112, mb4.0/6, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI, H1S2, H1S3, etc.

IDC 04 04:23:51.5±2.0, 2°43N:90°65E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.4/70, mbtmp3.8/6, ML3.7/1, Error ellipse: s-maj=62.3km s-min=27.5km az=49.0

ISCJB 04 04:23:53.2±1.5, 2°3N:0°2'90.3E:0.1, h33km, mb3.7/5, Error ellipse: s-maj=35.2km s-min=11.9km az=20.6

ISC 04 04:23:55.9±1.5, 2°3N:0°3'90.4E:0.1, h35km, n10, 01514/8, mb3.8/5, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PALK, H0S2, H0S3, etc.

NIED 04 04:27:00.38°40N:142°06E, h65km, Mw3.7, Best double couple: M3.68000-1014, NF1.8235 00000°, 843.00000°, 1.85.00000°, NP2.662 00000°, 848.00000°, 1.85.00000°

ISCJB 04 04:27:57.6±0.7, 38°40N:0°4'142.06E:0.7, h65km, 5km, mb3.6/14, Error ellipse: s-maj=102.2km s-min=5.5km az=20.1

IDC 04 04:27:59.0±2.2, 38°38N:142°06E, h62km, 20km, mb3.5/14, mb1 3.6/19, mb1mx3.5/73, mbtmp3.8/19, MS2.2/1, Ms1 2.2/1, ms1mx1.8/54, Error ellipse: s-maj=18.4km s-min=15.1km az=88.0

JMA 04 04:27:59.2±0.1, 38°43N:141°97E, h62km, 1km, M3.8, JMA Feit II J1

ISC 04 04:27:58.4±1.3, 38°42N:0°05'142.07E:0.09, h54km, 11km, n38, 01592/43, mb3.7/14, Near east coast of eastern

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

ISCJB 04 04:46:39.8±0.2, 38°40N:0°01'21.90E:0.02, h8km, 2km, mb3.2/7, Error ellipse: s-maj=2.4km s-min=2.1km az=16.2

ATH 04 04:46:39.7, 38°39N:21°90E, h10km, 1km, ML2.9/23, Error ellipse: s-maj=1.6km s-min=0.5km az=50.0

THE 04 04:46:40.0, 38°40N:21°90E, h8km, ML2.7/17, Error ellipse: s-maj=0.9km s-min=0.4km az=230.0

IDC 04 04:46:40.1±1.3, 38°39N:21°06E, h0km, mb3.2/7, mb1 3.3/8, mb1mx3.2/60, mbtmp3.3/8, ML2.6, Error ellipse: s-maj=29.3km s-min=23.1km az=80.0

ISC 04 04:46:39.4±0.7, 38°41N:0°02'21.91E:0.01, h10km, 4km, n72, 00871/21, mb3.2/7, Greece

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

DSF Desfina 0.49 90 P Pg 04 46 48.0 -0.9

DSF comp=N,4126um,0.1s AML AML 04 46 59.8

DSF comp=E,2474um,0.3s AML AML 04 47 02.2

RLS Riolos of Patr 0.50 225 P Sg 04 46 49.4 +0.4

RLS comp=N,3056um,0.2s AML AML 04 46 59.5

Table with columns: EVR, GUR, PDD, AGG, etc. Station Name, Az, Phase ID, Time, Res. Includes stations like Evrytania, Goura, Prodomos, etc.

SMIA Simia 1.12 65 P Sg 04 47 03.0 +2.1

SMIA comp=E,1587um,0.5s AML AML 04 47 20.2

ZKS Zakynthos 1.14 231 P Sg 04 47 00.5 -0.6

THL Klokotos Trika 1.15 4 P Sg 04 47 18.7 +1.3

THL comp=E,1095um,0.9s AML AML 04 47 21.3

THL Klokotos Trika 1.15 4 P Pg 04 47 01.6 +0.1

THL Ithomi 1.23 179 P Sg 04 47 01.5 -1.2

ITM comp=E,455um,0.2s AML AML 04 47 25.3

ITM comp=N,472um,0.6s AML AML 04 47 01.9 -0.8

FYTO Fytokos, Volos 1.28 39 P Pg 04 47 04.5 +0.6

XOR Xorichti 1.38 46 P Pg 04 47 05.2 -0.8

KRND KRANIDI 1.42 136 P Pg 04 47 05.4 -0.3

KRND comp=E,677um,0.3s AML AML 04 47 27.9

PYL Pyllos 1.52 185 P Pn 04 47 06.2 -0.4

ATHU Athens Unvers 1.54 106 P Pn 04 47 06.9 -0.1

ATHU Athens Unvers 1.54 106 P Sg 04 47 07.7 -0.4

ATHU Penteli 1.58 103 P Sg 04 47 07.9 -0.8

PTL Voula, Athens 1.59 110 P Sg 04 47 08.0 -0.9

VLY comp=N,345um,0.9s AML AML 04 47 42.5

ISCJB 04 05:57:07.1.0.8, 60.89S:0.09:19.4W:0.4, h10km, mb4.0/5, MS3.2/1, Error ellipse: s-maj=26.4km s-min=10.0km az=159.3
 IDC 04 05:57:08.3.1.2, 60.61S:19.43W, h0km, mb4.0/4, mb1 4.2/5, mb1mx3.8/38, mbtmp4.2/5, ML5.0/1, MS3.1/2, Ms1 3.0/2, ms1mx2.7/35, Error ellipse: s-maj=37.6km s-min=32.0km az=47.0
 NEIC 04 05:57:13.3.0.5, 60.71S:19.37W, h35km, mb4.2/1, Error ellipse: s-maj=22.1km s-min=13.1km az=58.0
 ISC 04 05:57:10.3.0.8, 60.85S:0.1x19.2W:0.2, h10km, n18, z=26/14, mb4.0/5, East of South Sandwich Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
VNA1	Neumayer-Stat	10.85	160	Op	ISC	h m s ISC
VNA1				P	Pn	05 49 47.4 +2.0
VNA1				S	Pn	05 01 43.7 -3.1
VNA3	Neumayer Olymp	11.17	164	P	Pn	04 59 50.3 +0.4
SNA				S	Pn	05 01 45.9 -8.8
SNA	Sanae	12.69	156	P	Pn	05 00 11.5 +0.8
SNA				S	Pn	05 02 24.1 -7.8
SNA	Sanae	12.69	156	P	Pn	05 00 11.7 +1.0
SNA				S	Pn	05 02 21.0 -1.1
SNA				LR	LR	05 04 14.6
BOSA	Boshof	43.69	63	P	P	05 05 14.2 -1.1
BDFB	Brasilia	49.64	322	LR	LR	05 25 22.5
H10S2	ASCENSION HYDR1.83	6	T	T	T	06 02 16.4
H10S3	ASCENSION HYDR1.84	6	T	T	T	06 02 45.1
H10S1	ASCENSION HYDR1.85	6	T	T	T	06 02 32.3
LPAZ	La Paz	56.47	300	P	P	05 06 50.6 -2.4
SAML	Samuel	61.09	308	P	P	05 07 22.9 -1.5
TORD	Torodi Arr. Bea	75.55	21	P	P	05 08 53.9 -0.8
ASAR	Alice Springs	93.06	155	P	P	05 10 24.8 +0.6
KURB	Kurchatov Arra	135.54	64	PKP	PKP	05 16 29.0 -0.3
KURK	Kurchatov	135.55	64	PKP	PKP	05 16 29.0 -0.5
RES	Resolute Bay	143.89	334	PKP	PKP	05 16 42.5 +1.5
SONM	Songino Array	146.78	88	PKP	PKP	05 16 51.4 +1.7
INK	Inuvik	152.14	314	PKP	PKP	05 17 02.7 +5.2

SJA 04 05:12:18.5.0.8, 31.02S:71.52W, h30km, ML3.4, MW3.4
 ISCJB 04 05:12:19.3.1.3, 31.03S:71.59W:0.08, h25km, 11km, Error ellipse: s-maj=11.0km s-min=5.3km az=9.9
 GUC 04 05:12:22.2.0.7, 31.06S:70.96W, h68km, 17km, ML3.5
 ISC 04 05:12:19.1.3.6, 31.04S:0.04:71.57W:0.09, h17km, z=26km, n18, z=74/25, 1C-10, Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
GO4	Tololo Observa	1.09	381	Op	ISC	h m s ISC
GO4				P	Pb	05 12 39.5 -0.2
GO4				S	Pb	05 12 53.1 -0.6
GO4				IAML	IAML	05 12 55.3
TLL	Tololo Astrono	1.09	381	Op	Pb	05 12 39.5 -0.1
TLL				S	Pb	05 12 53.2 -0.6
TLL				IAML	IAML	05 12 54.2
ROCH	El Roble	1.99	166	Op	Pn	05 12 52.4 +0.2
ROCH				IAML	IAML	05 13 22.5
ROCI	El Roble	1.99	166	Op	Pn	05 12 52.5 +0.2
ROCI				S	Pn	05 13 18.1 +1.2
AROD	Rodeo	2.01	65	Op	Pn	05 12 53.0 +0.5
AROD				S	Pn	05 13 17.5 0.0
AUSP	Uspallata	2.21	123	Op	Pn	05 12 55.7 +0.4
AUSP				S	Pn	05 13 23.6 +1.3
PEL	Peidheue	2.23	160	Op	Pn	05 12 55.7 +0.3
PEL				S	Pn	05 13 20.6 -2.0
ACDV	Cuesta del Vie	2.29	68	Op	Pn	05 12 57.0 +0.8
ACDV				S	Pn	05 13 24.1 +0.1
VACH	Vallenar	2.55	16	Op	Pn	05 13 01.0 +1.2
VACH				S	Pn	05 13 29.8 -0.7
AMOG	MOGNA	2.65	89	Op	Pn	05 13 01.2 +0.1
RTLL	Cerro Villicun	2.67	97	Op	Pn	05 13 33.2 -0.2
RTVC	Cerro Valdivia	2.72	108	Op	Pn	05 13 02.0 0.0
ASAL	Salagasta	2.80	124	Op	Pn	05 13 03.3 +0.1
ARCO	CERRO ARCO	2.88	129	Op	Pn	05 13 04.7 +0.4
ARCO				IAML	IAML	05 13 04.9
AAGR	Agrelo	3.10	132	Op	Pn	05 13 08.0 +0.7
GO03	Copiap	3.62	19	Op	Pn	05 13 14.7 +0.2
VCA	Vinchina	3.72	53	Op	Pn	05 13 16.2 +0.3
VCA				IAML	IAML	05 14 09.3
CYA	Choyas	5.65	64	IAML	IAML	05 14 42.4

PDA 04 05:14:30.7.1.2, 36.85N:24.33W, h5km, MD3.7, ML2.7, 2C, Error ellipse: s-maj=7.7km s-min=6.1km az=70.0, Azores Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
PSMN	Pico do Norte	0.61	285	Op	Pg	05 14 40.9 -1.5
PSMN				S	Pg	05 14 48.6 -1.8
PSMN				A	Sg	05 14 51.7
PSMA	Santa Maria	0.66	283	Op	Pg	05 14 41.5 -1.8
PSMA				S	Pg	05 14 49.8 -2.1
PSMA				A	Sg	05 14 53.4
BART	Pico Bartolome	1.15	325	Op	Pg	05 14 48.4 -4.3
BART				S	Pg	05 15 01.7 -5.9
BART				A	Pn	05 15 03.5
CMLA	Cha da Macela	1.32	314	Op	Sg	05 14 51.2 -4.6
CMLA				S	Sg	05 15 06.0 -7.2
CMLA				A	Sg	05 15 09.6
GRON	Grota Negra	1.33	314	Op	Sg	05 15 04.4 -9.1
GRON				A	Sg	05 15 07.3
PDA	Pointa Delgada	1.39	311	Op	Pn	05 14 51.6 -5.2
PDA				S	Pn	05 15 07.7 -7.6
PDA				A	Sg	05 15 09.6
PSET	Sete Cidades	1.48	312	Op	Pn	05 14 53.6 -4.4
PSET				S	Pn	05 15 03.3 -7.4
PSET				A	Pn	05 15 13.2
PSCM	Serra do Cume	2.88	311	Op	Pn	05 15 12.1 -5.2
PSCM				S	Pn	05 15 44.2 -8.2
PSCM				A	Sg	05 15 49.3
PMAN	Manadas	4.47	302	Op	Pn	05 15 20.5 -4.9
PMAN				S	Pn	05 15 59.0 -7.9
PMAN				A	Pn	05 16 01.9
PICO	Pico	3.65	298	Op	Pn	05 15 24.0 -3.8
PICO				S	Pn	05 16 02.6 -8.7
PICO				A	Sg	05 16 06.5
PCAN	Candelaria	3.67	297	Op	Pn	05 15 23.9 -4.3
PCAN				S	Pn	05 16 03.3 -8.6
PCAN				A	Sg	05 16 07.9

NNC 04 05:16:33.8.2.2, 54.07N:86.36E, h0km, mb3.8, mpv3.2, 6C-4D, Error ellipse: s-maj=22.9km s-min=10.3km az=8.0, Suspected Mining explosion, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
ZAA0	Zalesovo Array	0.92	263	Op	ISC	h m s ISC
ZAA0				P	Pg	05 16 51.1 -0.2
ZAA0				S	Pg	05 17 04.3 -1.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
KURK	Kurchatov	5.81	238	Op	Pn	05 18 03.1 +2.0
KURK				Op	ISC	h m s ISC
KURK				Lg	Lg	05 19 38.6
KURB	Kurchatov Arra	5.91	237	Op	Pn	05 18 04.3 +1.8
KURB				S	Pn	05 19 12.0 +1.1
KURB				Lg	Lg	05 19 42.4
MK31	Makanchi Array	7.74	201	Op	Pn	05 18 28.2 +0.5
MK31				S	Pn	05 19 57.1 +1.2
MK31				Lg	Lg	05 20 40.2

BJI 04 05:50:06.5.6.8, 89S:130.48E, h149km, mb4.6/8, mB5.0/3
 ISCJB 04 05:50:07.5.0.3, 6.67S:0.03:130.27E:0.05, h146km, mb4.9/17, Error ellipse: s-maj=6.9km s-min=3.9km az=165.7

IDC 04 05:50:07.5.1.8, 6.53S:130.27E, h134km, 18km, mb3.8/10, mb1 4.0/15, mb1mx3.7/57, mbtmp4.4/15, MS3.4/2, Ms1 3.3/2, ms1mx2.6/49, Error ellipse: s-maj=17.7km s-min=12.4km az=81.0
 NEIC 04 05:50:08.9.0.8, 6.50S:130.19E, h144km, 8km, mb4.5/11, Error ellipse: s-maj=9.9km s-min=7.4km az=76.0
 DJA 04 05:50:10.1.0.4, 7.5S:130.0E, h12km, 9km, M4.8/11, mb5.1/10, mB5.2/6, MLV4.9/11, Mw(MB)4.6/6
 ISC 04 05:50:09.0.0.5, 6.58S:0.05:130.24E:0.06, h146km, n65, z=127/170, mb4.6/17, 1Z, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SAUI	Saumlaki	1.67	141	Op	ISC	h m s ISC
SAUI				P	Pn	05 51 03.9 -0.1
SAUI				ePn	Pn	05 50 43.3 +3.2
SAUI				eSn	Pn	05 51 05.4 +1.4
MSAI	Masochi	3.56	338	Op	Pn	05 51 03.9 +0.5
AAI	Ambon	3.60	325	P	Pn	05 51 03.8 -0.1
FAKI	Fak Fak	4.23	28	ePn	Pn	05 51 10.8 -1.5
NLAI	Namlea	4.63	317	P	Pn	05 51 18.1 +0.6
SJUI	Sorong	5.86	10	P	Pn	05 51 31.1 -2.7
SJUI				S	Pn	05 52 31.6 -8.5
SJUI				S	Pn	05 52 31.6 -8.5
SJUI				S	Pn	05 52 31.6 -8.5
SWI	Sorong	5.86	10	P	Pn	05 51 34.6 +0.7
SWI				ePn	Pn	05 51 39.0 +0.7
SANI	Sanana	6.25	317	P	Pn	05 51 39.6 +0.5
RKPI	Ransiki	6.46	38	P	Pn	05 51 42.7 +0.8
LBMI	Labuha	6.59	335	P	Pn	05 51 44.6 +1.0
BATI	Batuata	7.39	241	P	Pn	05 51 53.5 -0.9
BATI				S	Pn	05 53 13.4 -3.6
BATI	Batuata	7.39	241	P	Pn	05 51 54.8 +0.4
BAKI	Biak	8.00	47	P	Pn	05 52 03.2 +0.8
EDFI	Ende, Flores	8.72	256	P	Pn	05 52 15.4 +3.2
MRSI	Marihu	10.91	310	P	Pn	05 52 41.5 +0.3
MRSI				P	Pn	05 52 42.5 -2.9
FITZ	Fitzroy Crossi	12.21	201	P	Pn	05 52 57.2 -1.0
FITZ				S	Pn	05 55 00.7 -1.2
FITZ	Fitzroy Crossi	12.21	201	ePn	Pn	05 52 56.0 -2.2
FITZ				S	Pn	05 55 00.7 -1.2
WRAB	Tennant Creek	13.77	164	ePn	Pn	05 53 16.6 -1.7
WRA	Warramunga Arr	13.78	164	P	Pn	05 53 16.4 -1.9
WRA				S	Pn	05 55 44.6 -6.3
WB2	Warramunga Arr	13.78	164	ePn	Pn	05 53 16.6 -1.8
WC3	Warramunga Arr	13.80	163	ePn	Pn	05 53 16.6 -2.0
COEN	Coen	14.63	121	Op	Pn	05 53 32.5 +1.0
BLJI	Banyuglugur	16.55	265	Op	Pn	05 53 38.8 +1.0
AS31	Alice Springs	17.26	169	eP	Pn	05 54 01.7 +0.4
ASAR	Alice Springs	17.26	169	P	Pn	05 54 01.9 +0.6
ASAR				S	Pn	05 57 08.0 -5.1
ASO1	Alice Springs	17.27	168	eP	Pn	05 54 02.4 +1.0
MBWA	Marble Bar	17.63	214	eP	Pn	05 54 05.6 -0.1
SBUM	Sibu	20.14	296	eP	Pn	05 54 32.5 +0.5
CTA	Charters Tower	20.48	132	P	Pn	05 54 36.8 +1.2
CTAO	Charters Tower	20.48	132	P	Pn	05 54 38.7 -0.6
KSM	Kuching	21.48	291	eP	Pn	

N54A	19nm,0.9s Moraine State 32nm,1.4s	23.53 342	eP	P	06 45 45.2 +1.0
N54A	Moraine State	23.53 342	P	P	06 45 45.1 +0.9
242A	baz=157 Grayson	23.58 308	P	P	06 45 46.0 +1.3
S47A	baz=119 Hartford	23.59 326	P	P	06 45 45.3 +0.6
HRV	baz=138 Adam Dzielowski 28nm,0.8s	23.62 358	eP	P	06 45 46.8 +1.9
Q49A	Aurora	23.70 331	P	P	06 45 46.7 +1.0
P50A	baz=144 Jamestown	23.71 334	P	P	06 45 46.6 +0.7
T46A	baz=147 Princeton	23.75 323	P	P	06 45 47.0 +0.8
BINY	baz=135,SNR=6.5 Binghamton	23.77 350	eP	P	06 45 47.5 +1.2
BINY	baz=110m,0.8s Binghamton	23.77 350	P	P	06 45 46.8 +0.5
M54A	Oil Creek Stat	23.94 343	eP	P	06 45 49.5 +1.6
M54A	Oil Creek Stat	23.94 343	P	P	06 45 48.9 +1.0
341A	baz=158,SNR=5.2 Kurthwood	24.01 306	P	P	06 45 50.4 +1.8
Q48A	baz=116 North Vernon	24.03 330	P	P	06 45 50.2 +1.5
P49A	baz=142 Miami Univ. Ec	24.05 332	P	P	06 45 49.8 +1.0
O50A	baz=145 Cable	24.09 335	P	P	06 45 50.4 +1.1
S46A	baz=148 Don Dixon Farm	24.11 325	P	P	06 45 49.9 +0.6
ALLY	baz=136 Allegheny Colle	24.21 342	eP	P	06 45 51.4 +1.1
P48A	baz=143 Milroy	24.31 331	P	P	06 45 52.2 +1.0
R46A	baz=137 Gibson Southern	24.39 326	P	P	06 45 52.5 +0.7
O49A	baz=137 Covington	24.43 334	P	P	06 45 53.1 +0.9
N50A	baz=146,SNR=6.3 Nevada	24.44 336	P	P	06 45 54.2 +1.9
ERPA	baz=150 Erie	24.60 343	eP	P	06 45 56.5 +2.7
ERPA	15nm,0.7s Erie	24.60 343	P	P	06 45 55.9 +2.1
MMNY	baz=158 Mt. Morris Dam	24.66 347	eP	P	06 45 56.8 +2.5
U43A	baz=111 Rector	24.79 319	P	P	06 45 56.5 +0.9
R45A	baz=129,SNR=6.0 Skylar, Fairfi	24.86 325	P	P	06 45 56.9 +0.8
SIUC	baz=136,SNR=6.3 Southern Illin	24.97 323	eP	P	06 45 58.8 +1.6
S44A	baz=111 Carbondale	24.98 323	P	P	06 45 58.5 +1.2
V42A	baz=134 Cord	25.07 317	P	P	06 45 59.2 +1.0
OLIL	baz=127 Olney	25.08 326	eP	P	06 45 59.4 +1.2
T43A	baz=110m,1.0s Greenville	25.18 320	P	P	06 46 00.2 +1.1
Q45A	baz=131,SNR=5.1 Warren Harvey,	25.23 326	P	P	06 46 00.3 +0.8
R44A	baz=137,SNR=8.8 Watsonville	25.27 324	P	P	06 46 01.0 +1.1
W41B	baz=135,SNR=6.5 Gary Mavity, V	25.27 314	eP	P	06 46 01.1 +1.0
W41B	baz=124 Gary Mavity, V	25.27 314	P	P	06 46 01.0 +1.0
X40A	baz=111 Basin Creek Fa	25.30 313	eP	P	06 46 01.9 +1.6
X40A	baz=111 Basin Creek Fa	25.30 313	P	P	06 46 01.3 +1.1
U42A	baz=122 Revdend	25.30 318	P	P	06 46 01.2 +1.0
NATX	baz=128 Nacogdoches	25.35 305	eP	P	06 46 02.1 +1.4
NATX	baz=115 Nacogdoches	25.35 305	P	P	06 46 03.4 +2.7
LBNH	baz=115 Lisbon	25.36 357	eP	P	06 46 02.0 +1.3
LBNH	baz=115 Lisbon	25.36 357	P	P	06 46 01.6 +0.8
WHAR	baz=176 Woolly Hollow	25.37 315	eP	P	06 46 01.5 +0.6
S43A	baz=125 Fulton Ridge,	25.37 321	P	P	06 46 01.8 +0.9
P45A	baz=132 Graceland, Par	25.49 328	eP	P	06 46 03.0 +1.1
P45A	baz=139 Graceland, Par	25.49 328	P	P	06 46 02.9 +1.1
V41A	baz=139 Mountainview	25.56 316	P	P	06 46 03.6 +0.9
T42A	baz=126,SNR=9.9 Van Buren	25.64 319	eP	P	06 46 04.1 +0.8
T42A	baz=129 Van Buren	25.64 319	P	P	06 46 04.0 +0.7
WVL	baz=129 Waterville	25.66 1	eP	P	06 46 04.8 +1.4
Q44A	baz=111 Meyer Farm, Va	25.70 325	P	P	06 46 04.5 +0.8
U41A	baz=136,SNR=5.7 Viola	25.74 317	P	P	06 46 05.3 +1.1
L49A	baz=127 Milan	25.83 337	P	P	06 46 06.0 +1.0
W40A	baz=150 Ferguson Farm,	25.84 314	P	P	06 46 07.1 +2.0
MIAR	baz=123 Mount Ida	25.85 312	P	P	06 46 06.2 +0.9
P44A	baz=121 Sand Creek, Wi	25.89 326	P	P	06 46 05.8 +0.2
EMMW	baz=137 East Machias	25.92 5	eP	P	06 46 05.5 -0.2
S42A	baz=111 Caledonia	25.93 321	P	P	06 46 06.8 +0.8
L48A	baz=131 N Adams	25.94 336	P	P	06 46 06.9 +0.9
V40A	baz=148 Witts Springs	26.02 315	eP	P	06 46 07.9 +1.1
V40A	baz=148 Witts Springs	26.02 315	P	P	06 46 07.8 +1.0
N46A	baz=124 Monticello	26.06 331	P	P	06 46 08.2 +1.1
R42A	baz=143 Luebbering	26.27 322	P	P	06 46 09.5 +0.5
L47A	baz=132 Sherwood	26.28 335	P	P	06 46 09.6 +0.6
O44A	baz=147 Mansfield	26.32 328	P	P	06 46 10.3 +0.8
W39A	baz=138 Magazine	26.34 313	P	P	06 46 11.7 +2.1
U40A	baz=125 Yellville	26.35 316	P	P	06 46 10.8 +1.0
PKME	baz=125 Peaks-Kenny Pk	26.37 2	eP	P	06 46 11.0 +1.2
N45A	baz=146 Kentland	26.39 330	P	P	06 46 10.9 +1.0
CCM	baz=141 Cathedral Cave	26.39 321	eP	P	06 46 11.3 +1.2
CCM	baz=141 Cathedral Cave	26.39 321	P	P	06 46 11.2 +1.1
S41A	baz=131 Jillico Farms,	26.39 319	P	P	06 46 11.0 +0.9
P43A	baz=129,SNR=14 Skaggs, Pawnee	26.50 326	P	P	06 46 12.0 +1.0
Q42A	baz=136 Golden Eagle	26.55 323	P	P	06 46 12.3 +0.8
T40A	baz=133 Mansfield	26.61 318	P	P	06 46 13.5 +1.5
R41A	baz=127 Rosebud	26.63 321	P	P	06 46 12.9 +0.7
N44A	baz=131 Piper City	26.64 329	P	P	06 46 13.2 +0.9
PLVO	baz=140 Plevna	26.71 349	eP	P	06 46 13.2 +0.3
U39A	baz=111m,1.3s Green Forest	26.78 315	P	P	06 46 14.7 +1.0
S40A	baz=124 Lebanon	26.87 319	P	P	06 46 15.2 +0.8
SADO	baz=128 Sadova	26.87 346	LR	LR	06 54 38.7
P42A	comp=Z,49nm,21.1s,ba=220,slow=31 Winchester	26.91 324	eP	P	06 46 15.5 +0.8
P42A	baz=111 Winchester	26.91 324	P	P	06 46 15.5 +0.8
T39A	baz=126 Clever	27.08 317	P	P	06 46 17.4 +1.1
R40A	baz=126 Maddies Statio	27.16 320	eP	P	06 46 17.0 0.0
S39A	baz=126 Bolivar	27.44 318	eP	P	06 46 20.8 +1.3
S39A	baz=127 Bolivar	27.44 318	P	P	06 46 20.5 +0.9
Q40A	baz=127 Laux Farm, Aux	27.49 321	P	P	06 46 20.7 +0.7
O41A	baz=134 Passelys Farm,	27.57 325	P	P	06 46 21.3 +0.7
S38A	baz=134 Stockton	27.78 317	P	P	06 46 23.3 +0.7
P40A	baz=126 Paris	27.83 322	eP	P	06 46 23.3 +0.3
P40A	baz=132 Paris	27.83 322	P	P	06 46 23.6 +0.7
TUL1	baz=120 Lordon	28.11 312	P	P	06 46 26.3 +0.8
R38A	baz=120 Fenwick Farm,	28.11 318	P	P	06 46 26.2 +0.7
O40A	baz=127 La Belle	28.13 323	P	P	06 46 25.6 0.0
P39B	baz=133 Salisbury	28.21 322	P	P	06 46 26.7 +0.3
K43A	baz=130 Burlington	28.22 331	eP	P	06 46 27.4 +1.0
M41A	baz=105 Miles	28.29 327	P	P	06 46 27.2 +0.2
SAML	baz=136 Samuel	28.51 165	eP	P	06 46 28.7 -0.5
K42A	baz=140 Prairie Point,	28.75 330	P	P	06 46 31.4 +0.3
P38A	baz=129 Dawn	28.76 321	P	P	06 46 31.2 0.0
L41A	baz=129 Preston	28.78 328	P	P	06 46 31.8 +0.4
J43A	baz=137 Natural Harves	28.79 332	P	P	06 46 31.7 +0.2
L40A	baz=142 Anamosa	29.14 327	eP	P	06 46 34.6 +0.1
L40A	baz=136 Anamosa	29.14 327	P	P	06 46 34.3 -0.2
P37A	baz=129 Lathrop	29.23 320	P	P	06 46 34.8 -0.7
JFWS	baz=126 Jewell Farm	29.28 329	eP	P	06 46 36.3 +0.5
JFWS	baz=126 Jewell Farm	29.28 329	P	P	06 46 36.3 +0.5
H43A	baz=145 Windswept, Lux	29.39 334	P	P	06 46 37.5 +0.7
I42A	baz=145 Draeger Farm,	29.42 332	eP	P	06 46 37.5 +0.5
I42A	baz=142 Draeger Farm,	29.42 332	P	P	06 46 37.5 +0.5
K40A	baz=137 Colesburg	29.56 328	P	P	06 46 37.9 -0.3
L39A	baz=137 Vinton	29.58 326	P	P	06 46 38.7 +0.2
WMOK	baz=135 Wichita Mounta	29.73 308	eP	P	06 46 40.7 +0.8
WMOK	baz=135 Wichita Mounta	29.73 308	P	P	06 46 40.5 +0.6
M38A	baz=132 Pleasantville	29.74 324	P	P	06 46 39.8 -0.1
J40A	baz=132 Soldiers Grove	29.88 329	P	P	06 46 41.5 +0.4
K39A	baz=136 Delwin	29.94 327	P	P	06 46 41.5 -0.2
L38A	baz=136 Oak Wood Farm,	30.11 325	P	P	06 46 43.1 -0.1
I40A	baz=139 Norwalk	30.20 330	P	P	06 46 44.1 +0.2
G42A	baz=139 Mountain	30.29 334	eP	P	06 46 45.3 +0.6
G42A	baz=144 Mountain	30.29 334	P	P	06 46 45.5 +0.7
H41A	baz=142 Junction City	30.32 332	P	P	06 46 45.3 +0.4
K38A	baz=142 Parkersburg	30.36 326	eP	P	06 46 45.8 +0.5
K38A	baz=134 Parkersburg	30.36 326	P	P	06 46 45.5 +0.1
H40A	baz=140 Chill	30.65 331	P	P	06 46 48.6 +0.7
M36A	baz=130 Felix, Anita	30.68 323	P	P	06 46 49.0 +0.8
F41A	baz=125 Three Lakes	30.98 334	eP	P	06 46 51.5 +0.8
G40A	baz=132 Rib Lake	31.07 332	eP	P	06 46 51.9 +0.3
G40A	baz=132 Rib Lake	31.07 332	P	P	06 46 52.0 +0.4
I38A	baz=142 Scanlon Farm,	31.13 329	P	P	06 46 51.4 -0.7
J37A	baz=134 Redenius Farm,	31.23 326	P	P	06 46 53.6 +0.5
D41A	baz=145 Chassel	31.84 336	eP	P	06 46 59.4 +1.1
D41A	baz=146 Chassel	31.84 336	P	P	06 46 59.7 +1.4
E40A	baz=146 Wakfield	31.87 334	P	P	06 46 59.4 +0.8
TX31	baz=143 Lajitas Ar. Si	32.00 295	eP	P	06 47 01.7 +1.6
TXAR	baz=143 Lajitas Array	32.00 295	P	P	06 47 00.5 +0.4
TXAR	comp=Z,0.3nm,0.6s,ba=105,slow=8.8,SNR=6.7 Cedar Bluff	32.28 314	P	PcP	06 49 47.7 -0.5
CBKS	baz=120 Cedar Bluff	32.28 314	P	P	06 47 03.2 +0.9
H36A	baz=112 Jessenland, He	32.31 328	P	P	06 47 03.2 +0.7
MSTX	baz=109 Muleshoe	32.50 304	eP	P	06 47 04.9 +0.4
MSTX	baz=109 Muleshoe	32.50 304	P	P	06 47 04.6 +0.2
H35A	baz=134 Sunnyside Ranc	32.86 327	P	P	06 47 07.4 +0.1
ECSD	baz=148 EROS Data Cent	33.17 324	eP	P	06 47 09.7 -0.3
ECSD	baz=130 EROS Data Cent	33.17 324	P	P	06 47 10.1 +0.1
MNTX	baz=130 Cornudas Mount	33.96 299	eP	P	06 47 18.1 +1.0
MNTX	baz=130 Cornudas Mount	33.96 299	P	P	06 47 18.6 +1.5
C35A	baz=138 Jirik Farms, M	34.61 332	P	P	06 47 22.6 +0.2
T25A	baz=112 Trinidad	34.87 309	P	P	06 47 26.3 +1.3
LPAZ	baz=112 La Paz	34.97 176	P	P	06 47 28.7 +2.2
B35A	comp=Z,1.0nm,0.6s,ba=350,slow=3.7,SNR=6.9 Bob, Littlefor	34.99 333	eP	P	06 47 25.3 -0.4
ANMO	baz=109 Albuquerque	35.70 304	P		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H1052 ASCENSION HYDR49.88, H1053 ASCENSION HYDR49.89, etc.

THE 04 08:49:50.4, 36°01'N, 21°51'E, h0km, 6km, ML2.9/3, Error ellipse: s-maj=6.8km, s-min=1.7km, az=182.0

ATH 04 08:49:51.4, 36°07'N, 21°00'E, h25km, 1km, ML2.9/7, Error ellipse: s-maj=2.9km, s-min=1.1km, az=46.0

ISC 04 08:49:52.5, 36°17'N, 22°22'E, h0km, mb3.7/4, mb1 3.6/5, mb1mx3.2/7.2, mbtmp3.6/5, ML2.1/1, Error ellipse: s-maj=123.9km, s-min=22.9km, az=49.0

ISC 04 08:49:48.0, 2.0, 35°38'N, 0.06, 21°31'E, h17km, 9km, n35, c1504/49, mb3.6/4, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MES2 Methoni, MES2 PYLOS, etc.

FINES FINESSE Array B 25.66 5 P P 08 55 17.0 +0.4
ARCES ARCES Array B 33.69 3 P P 08 56 27.6 -0.2
MKAR Makanchi Array 45.95 57 P P 08 58 08.8 -1.1

NNC 04 08:50:52.5, 3.1, 53°74'N, 87°51'E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=41.5km, s-min=17.2km, az=20.0

ISC 04 08:50:52.5, 3.0, 54°01'N, 87°66'E, h0km, mb1 2.7/2, mb1mx2.0/8.0, mbtmp2.7/2, ML2.6/2, 5C-1D, Error ellipse: s-maj=24.1km, s-min=11.7km, az=56.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I4690 ZALESOVO INFRA, ZAAO Zalesovo Array, etc.

SJA 04 09:08:28.9, 0.4, 31°31'S, 64°96'W, h20km, 1km, ML3.6, MW3.8, Cordoba Province

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

ISC 04 09:08:31.8, 1.0, 32°02'S, 71°48'W, h0km, mb3.7/4, mb1 3.8/7, mb1mx3.7/38, mbtmp3.6/7, ML3.8/3, MS2.9/3, Ms1 3.0/3, ms1mx2.7/35, Error ellipse: s-maj=51.4km, s-min=21.1km, az=92.0

GUC 04 09:08:35.6, 0.6, 32°41'S, 71°97'W, h30km, 3km, ML3.6, ISC 04 09:08:32.5, 2.5, 32°16'S, 0.04, 71°7'W, 0.1, h10km, 15km, n23, c126/23, mb3.7/4, 5C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ROCH EI Roble, CLCH Cerro Calan, etc.

ISCJB 04 09:11:22.7, 0.6, 18°05'N, 178°6'W, 0.1, h579km, mb4.0/13, Error ellipse: s-maj=17.6km, s-min=12.8km, az=161.2

ISC 04 09:11:22.4, 3.2, 18°10'S, 178°47'W, h566km, 37km, mb3.4/13, mb1 3.5/14, mb1mx3.3/49, mbtmp4.3/14, Error ellipse: s-maj=19.2km, s-min=17.3km, az=12.0

ISC 04 09:11:23.5, 0.7, 18°05'N, 178°6'W, 0.1, h579km, n21, c093/23, mb4.0/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urevera, etc.

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

NNC 04 09:12:29.8, 1.9, 42°63'N, 75°74'E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=11.9km, s-min=5.7km, az=117.0

SOME 04 09:12:30.1, 42°67'N, 75°78'E, h5km, ISC 04 09:12:29.9, 1.2, 42°65'N, 0°03:75°78'E, 0.02, h3km, 11km, n32, c085/52, 11C-6D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TKM2 Tokmak 2, TKM2 Tokmak 2, etc.

ISC 04 09:12:29.9, 1.2, 42°65'N, 0°03:75°78'E, 0.02, h3km, 11km, n32, c085/52, 11C-6D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK A-La-Archa, AAK A-La-Archa, etc.

DJA 04 09:16:14.2, 0.3, 4°N, 2°3'W, h10km, M3.8/3, MLV3.8/3, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MLSI Meuloboh, Acheh, LHMI Lhok Sumawe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MNAI Sibiu, BKSIB Bulukumba, MYKOM Kota Tinggi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MMAI Mount Meron Ar, LSZ Lusaka, BOSA Boshof, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VHO Vista Hermosa, MEIG Mezcala, VHO Huatulo, etc.

Table with columns: Name, Time, Date, Status, and other identifiers. Includes entries like CHOS Chios island, LAST Lasithi, SORM Soroca, etc.

Table with columns: Name, Time, Date, Status, and other identifiers. Includes entries like BOSHA Boshof, LKZD Lefkada island, UZH Uzhgorod, etc.

Table with columns: Name, Time, Date, Status, and other identifiers. Includes entries like HFS Hagfors, RPZ Rata Peaks, WTTA Wattenberg, etc.

Table with columns: BOZ, Bozeman (W), 124.01, 23, ePKPdf, PKPdf, 11 43 10.0 -0.7, etc. Includes stations like Lac du Bonnet, Halley, LASA Array, Red Lodge, etc.

Table with columns: ANMO Albuquerque, 135.06, 27, P, PKPdf, 11 43 32.2 +0.2, etc. Includes stations like Snake Pit, Alb, Snake Pit, Alb, Snake Pit, Alb, etc.

Table with columns: Y49A Blount Mountai, 141.49, 2 P, PKPdf, 11 43 42.2 -1.4, etc. Includes stations like Blount Mountain, Blount Mountain, Blount Mountain, etc.

IDC 04 11:30:59.6:0.9,39:25N;144:46E,h0km,mb3.8/9, mb1.0/4.0/11,mb1mx3.7/73,mbtmp3.8/11,ML3.5/2,Error ellipse: s-maj=24.9km s-min=22.4km az=132.0

NIED 04 11:31:00,39:40N,144:30E,h5km,Mw3.8 Best double couple: M6.20000x10^14 N1:19x44.00000, 825.00000, -1.98.00000, N2:23x23.00000, 865.00000, -8.00.00000

ISCJB 04 11:31:01.0:0.6,39:43N,0:03-144:33E,0:4,h23km,mb3.8/9,Error ellipse: s-maj=5.5km s-min=3.7km az=38.7

JMA 04 11:31:03.6:0.2,39:43N,144:29E,h43km,Mw3.8 ISC 04 11:31:02.9:0.8,39:38N,0:05-144:44E,0:06,h23km,n35, 0:194/56,mb3.8/9,Off east coast of Honshu

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

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

DDA 04 11:41:06.0,39:20N:27.94E,h7km,ML2.6
ISCJB 04 11:41:05.9,39:17N:27.94E,h10km,ML2.4/4
ISCJB 04 11:41:06.3-0.5,39:17N:0.03:27.95E:0.04,h6km,6km,
Error ellipse: s-maj=5.4km s-min=3.9km az=143.1

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

ISCJB 04 11:50:14.9-0.3,44:47N:0.02:6.68E:0.02,h8km,3km,
Error ellipse: s-maj=3.2km s-min=2.6km az=135.2

ROM 04 11:50:15.6:0.2,44:49N:0.01:6.72E:0.02,h13km,3km,
ML1.8/10
GEN 04 11:50:15.6,44:46N:6.68E,h5km,2km,ML1.7
LDG 04 11:50:15.0-0.1,44:48N:6.68E,h2km,MD2.5/3,ML2.4/10,

Error ellipse: s-maj=2.1km s-min=1.5km az=36.0
ISC 04 11:50:15.4-0.9,44:48N:0.02:6.70E:0.02,h13km,8km,
n83,0975/60,France

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GROTTI DI BOSSO, LA FORET ROYAL, etc.

ISCJB 04 12:06:54.9-0.4,26:95N:0.07:126.85E:0.07,
h125km,5km,mb3.5/13,Error ellipse: s-maj=13.4km
s-min=6.8km az=136.7

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

ISCJB 04 12:06:55.4:1.5,26:98N:126.84E,h116km,15km,
mb3.3/12,mb1.3,4/13,mb1mx3.2/6,mbtmp3.7/13,MS3.3/1,
Ms1 3.3/1,ms1mx2.4/35,Error ellipse: s-maj=26.3km
s-min=14.5km az=72.0

JMA 04 12:06:56.0:0.3,26:95N:126.86E,h114km,3km,MS3.6
ISC 04 12:06:55.9-0.7,26:96N:0.08:126.83E:0.07,h119km,8km,
n27,0987/37,mb3.6/13,Ryukyu Islands

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

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

IDC 04 12:36:55.4:0.7,55:72S:25.90W,h0km,mb4.5/7,
mb1.4:0.9,mb1mx4.0/3,mbtmp4.5/8,ML3.8/1,MS4.2/12,
MS1.4/2/12,ms1mx4.0/34,Error ellipse: s-maj=24.3km
s-min=18.7km az=79.0

NEIC 04 12:36:58.0:0.5,55:69S:25.89W,h10km,mb4.3/2,Error
ellipse: s-maj=12.8km s-min=10.1km az=47.0
ISCJB 04 12:36:58.6:0.7,55:72S:0.09:26.0W:0.2,h35km,mb4.5/9,
MS4.2/11,Error ellipse: s-maj=16.2km s-min=9.8km
az=141.0

ISC 04 12:37:00.5-0.7,55:8S:0.1x26.21W:0.10,h35km,n30,
o1973/20,mb4.4/8,MS4.2/11,South Sandwich Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE, HOPE, VNA1, etc.

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

ISCJB 04 12:39:58.1:0.6,55:77S:0.08:26.1W:0.2,h10km,mb4.6/9,
Error ellipse: s-maj=14.1km s-min=9.9km az=139.9

IDC 04 12:39:58.6:0.7,55:79S:26.02W,h0km,mb4.5/8,
mb1.4:6/9,mb1mx4.2/36,mbtmp4.5/9,ML3.5/1,Error
ellipse: s-maj=20.9km s-min=18.7km az=81.0

NEIC 04 12:40:00.1:0.4,55:75S:26.07W,h10km,mb4.3/1,Error
ellipse: s-maj=12.3km s-min=10.4km az=211.0

ISC 04 12:39:60.0:0.6,55:8S:0.1x26.1W:0.1,h10km,n25,
o0872/22,mb4.6/9,South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE, HOPE, VNA1, etc.

ISCJB 04 12:40:32.5,37:89N:26.73E,h9km,ML2.4/5
DDA 04 12:40:33.4,37:95N:26.83E,h7km,ML2.7
ISC 04 12:40:33.1:1.1,37:91N:0.03:26.76E:0.10,h15km,8km,
n19,0951/26,Dodecanese Islands

ISCJB 04 12:40:32.6:0.7,37:88N:0.03:26.71E:0.05,h7km,6km,
Error ellipse: s-maj=7.0km s-min=5.0km az=151.5

ISC 04 12:40:32.5,37:89N:26.73E,h9km,ML2.4/5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE, HOPE, VNA1, etc.

IDC 04 12:40:11.3:10.0,15:22S:178.43W,h0km,mb3.6/2,
mb1.3:8/2,mb1mx3.3/54,mbtmp3.6/2,MS3.6/1,MS1 3.6/1,
s-min=42.9km,Error ellipse: s-maj=534.4km
s-min=28.4km az=140.0,Fiji Islands region

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

ISCJB 04 12:40:32.6:0.7,37:88N:0.03:26.71E:0.05,h7km,6km,
Error ellipse: s-maj=7.0km s-min=5.0km az=151.5

ISC 04 12:40:32.5,37:89N:26.73E,h9km,ML2.4/5

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

Table with columns: PET, comp-Z, MLR, MLR, etc. Rows include stations like Mount Baldy Ra, Ford Ranch, Petropavlovsk, etc.

Table with columns: ARCES, KLMR, KLMR, etc. Rows include stations like ARCES ARCESS Array B, KLMR Kimovskoe, etc.

Table with columns: s-min, IDC, NEIC, Code, Station Name, etc. Rows include station data for various locations like DZM, DZM, HNR, etc.

ISCJB 04 13:05:03.0.2, 19:50S:0:05:168:05E:0:06, h26km, mb4.2/20, MS4.0/5, Error ellipse: s-maj=9.2km

Table with columns: RND, Reindeer, 0.84 78 ePn, Pn, 14 18 14.2 -0.4, etc. Lists various stations and their coordinates.

Table with columns: ANMO Albuquerque, 39.20 115 P, P, 14 25 09.3 +1.7, etc. Lists stations in Albuquerque and other locations.

Table with columns: LAGR Lagunnoye, 4.53 256 eP, Pn, 14 51 41.0 +2.2, etc. Lists stations in the Philippines and other regions.

NEIC 04 14:19:31.9.0.0,57.18N-157.76W, h5km, ML3.5(AEIC), After AEIC., Alaska Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations in the Alaska Peninsula.

IODC 04 14:20:08.8.2.4, 20.35S-177.97W, h468km, 3.2km, mb3.3/7, mb1 3.4/8, mb1mx3.0/48, mbtmp4.2/8, Error ellipse: s-maj=63.1km s-min=16.6km az=137.0, Fiji Islands region

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

IODC 04 14:45:06.3.8.2, 30.61N-80.69E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.1/76, mbtmp3.3/4, Error ellipse: s-maj=356.3km s-min=25.8km az=73.0, Western Xizang-India border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations in the Western Xizang-India border region.

ISCJB 04 14:50:30.8.1.5, 45.4N, 0.2-151.8E, 0.2, h30km, mb3.6/3, Error ellipse: s-maj=30.1km s-min=7.0km az=149.3, SKHL 04 14:50:31.7.0.3, 45.72N, 151.82E, h47km, 7km, mb4.2/3, IDC 04 14:50:45.6.3.1, 47.00N, 149.96E, h48km, 30km, mb3.6/3, mb1 3.5/5, mb1mx3.1/74, mbtmp3.5/5, ML2.72, MS2.0/1, ms1 2.0/1, ms1mx1.8/46, Error ellipse: s-maj=55.6km s-min=21.0km az=154.0, ISC 04 14:50:32.4.2.2, 45.3N, 0.2-151.9E, 0.2, h30km, n17, s153.16, mb3.7/3, Kuril Islands

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

IDC 04 14:59:48.2.59.0, 16.74S-178.55W, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.5/44, mbtmp4.0/3, Error ellipse: s-maj=1075.0km s-min=158.6km az=77.0, Fiji Islands region

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

IDC 04 15:11:14.4.10.0, 20.81S-173.84W, h0km, mb3.5/3, mb1 3.2/3, mb1mx3.4/47, mbtmp3.5/3, MS3.3/3, MS1 3.3/3, ms1mx2.7/37, Error ellipse: s-maj=457.7km s-min=38.3km az=144.0, Tonga Islands

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

GUC 04 15:24:02.0.2.5, 22.01S-67.80W, h208km, 2gkm, ML3.6, 6C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations in the Chile-Bolivia border region.

MAN 04 15:35:15.9, 10.94N-126.13E, h1km, mb4.6, ML3.5, MS3.4, Philippine Islands region

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

4d 19h

R48A	Norridge Ran	71.56 347	P	P	19 16 47.1 -0.1
HHAR	Hobbs	71.56 339	eP	P	19 16 47.3 0.0
HHAR	comp-Z,41nm,1.0s				
R47A	Wooly Knot Far	71.59 346	eP	pP	19 17 17.6 +0.9
S44A	Cardonate	71.63 344	P	P	19 16 47.5 -0.1
SIUC	Southern Illin	71.64 344	eP	P	19 16 47.6 0.0
SIUC	Georgetown	71.64 348	eP	pP	19 17 17.1 0.0
Q50A	Mountain View	71.65 341	P	P	19 16 48.2 +0.3
T41A	Penn St. - Bra	71.66 355	eP	P	19 16 48.7 +1.0
PSUB	Penn St. - Bra	71.71 349	P	P	19 16 48.1 +0.1
Q51A	Peebles	71.71 349	P	P	19 16 48.2 0.0
S43A	Fulton Ridge	71.71 343	P	P	19 16 47.6 -0.6
R46A	Gibson Southern	71.72 345	P	P	19 16 49.3 +0.6
GDL2	Guadalupe Moun	71.75 329	eP	pP	19 17 19.5 +1.5
GDL2	Wichita Moun	71.75 335	eP	pP	19 16 47.9 -0.6
WMOK	Wichita Moun	71.75 335	eP	pP	19 17 18.1 +0.2
WMOK	Wichita Moun	71.75 335	eP	pP	19 16 47.9 -0.6
WMOK	Wichita Moun	71.75 335	eP	pP	19 17 18.1 +0.2
WMOK	Wichita Moun	71.75 335	eP	pP	19 16 48.4 -0.1
WMOK	Wichita Moun	71.75 335	eP	pP	19 16 48.3 -0.3
MNTX	Cornudas Mount	71.77 328	eP	pP	19 16 48.8 +0.1
MNTX	Cornudas Mount	71.77 328	eP	pP	19 16 48.8 +0.1
MNTX	Cornudas Mount	71.77 328	eP	pP	19 16 48.8 +0.1
MVL	Millersville	71.80 354	eP	P	19 16 49.7 +1.1
TUL1	Leonard	71.80 338	eP	pP	19 16 49.0 +0.2
TUL1	Leonard	71.80 338	eP	pP	19 17 17.4 -0.7
TUL1	Leonard	71.80 338	eP	pP	19 16 48.9 +0.2
KSPA	Mont Chateau	71.82 352	eP	P	19 16 49.2 +0.5
MCWV	Mont Chateau	71.82 352	eP	P	19 16 49.4 +0.7
MCWV	Mont Chateau	71.82 352	eP	P	19 16 49.4 +0.7
Q49A	Aurora	71.96 347	P	P	19 16 49.4 -0.1
T40A	Mansfield	71.96 341	P	P	19 16 50.0 +0.3
R45A	Skylar, Fairir	71.97 345	P	P	19 16 49.4 -0.3
Q48A	North Vernon	72.05 347	P	P	19 16 50.0 -0.1
PAGS	Pennsylvania G	72.05 354	eP	P	19 16 50.7 +0.6
LIC	Lamto	72.08 71	eP	P	19 16 50.8 -0.1
S42A	Caledon	72.08 342	P	P	19 16 50.2 -0.1
T39A	Clever	72.09 340	P	P	19 16 50.8 +0.4
R44A	Waltonville	72.11 344	P	P	19 16 50.2 -0.3
S41A	Jilco Farms,	72.16 342	P	P	19 16 51.3 +0.5
FVM	French Village	72.19 343	eP	P	19 16 52.0 +1.0
FVM	French Village	72.19 343	eP	P	19 17 21.3 +0.9
Q47A	Bedord North L	72.19 346	P	P	19 16 50.5 -0.5
HSIG	comp-Z,54nm,1.5s	72.25 323	eP	P	19 16 52.6 +1.1
HSIG	comp-Z,54nm,1.5s	72.25 323	eP	P	19 17 22.9 +2.0
O56A	Blue Knob Stat	72.27 353	eP	P	19 16 52.0 +0.5
O56A	Blue Knob Stat	72.27 353	eP	P	19 16 52.4 +0.9
LUPA	Lehigh Univ	72.32 355	eP	P	19 16 52.4 +0.7
TIC	Toumodi	72.33 70	eP	P	19 16 50.5 -1.9
R43A	Red Bud	72.34 343	eP	P	19 16 51.8 0.0
BRNJ	Basking Ridge	72.35 356	eP	P	19 16 52.7 +0.9
OLIL	Olney	72.35 345	eP	P	19 16 51.3 -0.6
OLIL	Olney	72.35 345	eP	P	19 17 20.8 -0.6
P50A	Jamestown	72.35 348	eP	pP	19 16 51.8 -0.1
T38A	Diamond	72.37 339	P	P	19 16 52.4 +0.4
S40A	Lebanon	72.38 341	P	P	19 16 52.6 +0.5
KIC	Kosan Boka	72.39 71	eP	P	19 16 52.9 +0.2
BLO	Bloomington	72.44 346	eP	P	19 16 51.8 -0.6
BLO	Bloomington	72.44 346	eP	pmax	19 16 51.8 -0.6
P49A	Miami Univ. Ec	72.44 348	P	P	19 16 52.0 -0.4
CCM	Cathedral Cave	72.47 342	eP	P	19 16 53.1 +0.5
CCM	Cathedral Cave	72.47 342	eP	pP	19 17 22.3 +0.2
CCM	Cathedral Cave	72.47 342	eP	pP	19 16 53.8 +1.1
DBIC	Dimbokro	72.47 70	eP	P	19 16 53.8 +0.5
DBIC	Dimbokro	72.47 70	eP	pP	19 17 23.1 +0.4
DBIC	Dimbokro	72.47 70	eP	pP	19 17 23.1 +0.4
DBIC	Dimbokro	72.47 70	eP	pP	19 16 53.0 -0.3
DBIC	Dimbokro	72.47 70	eP	pP	19 17 22.1 -0.6
P48A	Milroy	72.50 347	P	P	19 16 52.3 -0.5
Q45A	Warren Harvey,	72.52 345	P	P	19 16 52.5 -0.3
R42A	Luebbering	72.56 343	P	P	19 16 53.4 +0.3
SSPA	Standing Stone	72.57 353	eP	P	19 16 53.6 +0.4
SSPA	Standing Stone	72.57 353	eP	pP	19 17 22.1 -0.5
SSPA	Standing Stone	72.57 353	eP	pP	19 16 53.9 +0.7
MSTX	Muleshoe	72.61 331	eP	P	19 16 54.0 +0.3
MSTX	Muleshoe	72.61 331	eP	pP	19 17 24.7 +1.5
MSTX	Muleshoe	72.61 331	eP	pP	19 17 37.5 +1.7
PAL	Palisades	72.63 357	eP	P	19 16 54.3 +0.6
PAL	Palisades	72.63 357	eP	pmax	19 16 52.9 -0.6
PAL	Palisades	72.63 357	eP	pmax	19 16 52.9 -0.6
N59A	State Game Lan	72.66 355	eP	P	19 16 54.5 +0.8
N59A	State Game Lan	72.66 355	eP	P	19 16 55.0 +1.3
PPTF	Pamatai, Papee	72.66 260	eP	P	19 16 55.0 +0.6
PPT	Papeete	72.68 260	eP	P	19 16 55.4 +0.9
PPT	Papeete	72.68 260	eP	P	19 16 54.7 +0.2
P47A	Martinsville	72.69 346	P	P	19 16 53.5 -0.4
S39A	Bolivar	72.69 340	eP	P	19 16 54.2 +0.2
S39A	Bolivar	72.69 340	eP	pP	19 17 24.3 +0.9
S39A	Bolivar	72.69 340	eP	pP	19 17 35.6 -0.5
Q44A	Meyer Farm, Va	72.72 344	P	P	19 16 53.8 -0.3
R41A	Rosebud	72.73 342	P	P	19 16 54.5 +0.3
ODNJ	Ogdensburg	72.75 356	eP	P	19 16 55.0 +0.8

2012 AUG

SLM	Saint Louis	72.76 343	eP	P	19 16 54.2 -0.1
SLM	Saint Louis	72.76 343	eP	pmax	19 16 54.2 -0.1
S38A	Stockton	72.81 340	P	P	19 16 55.0 +0.3
O50A	Cable	72.85 349	P	P	19 16 54.7 -0.1
YLE	Yale	72.90 357	eP	P	19 16 55.2 +0.1
Q43A	New Douglas	72.92 344	P	P	19 16 55.3 0.0
R40A	Maddies Statio	72.96 341	eP	P	19 16 55.8 +0.3
R40A	Maddies Statio	72.96 341	eP	pP	19 17 25.9 +0.9
R40A	Maddies Statio	72.96 341	eP	pP	19 17 37.3 -0.3
R40A	Maddies Statio	72.96 341	eP	pP	19 16 56.0 +0.5
AMTX	Amarillo	72.97 333	eP	P	19 16 56.0 +0.2
AMTX	Amarillo	72.97 333	eP	pP	19 17 25.3 0.0
AMTX	Amarillo	72.97 333	eP	pP	19 16 56.5 +0.7
P46A	Rosedale	73.01 346	P	P	19 16 55.2 -0.5
O49A	Covington	73.01 348	P	P	19 16 55.6 -0.2
P45A	Graceland, Par	73.03 345	eP	P	19 16 55.4 -0.6
P45A	Graceland, Par	73.03 345	eP	P	19 16 55.4 -0.6
Q42A	Golden Eagle	73.09 343	P	P	19 16 56.6 +0.3
N54A	Moaine State	73.12 352	eP	P	19 16 56.7 +0.3
N54A	Moaine State	73.12 352	eP	pP	19 17 23.3 -2.6
N54A	Moaine State	73.12 352	eP	pP	19 16 57.0 +0.5
P44A	Sand Creek, WI	73.17 345	P	P	19 16 56.2 -0.5
R39A	Chumby, Stover	73.19 341	P	P	19 16 57.3 +0.4
O48A	Farnland	73.22 348	P	P	19 16 56.7 -0.3
KSPA	Keystone Cole	73.30 355	eP	P	19 16 57.9 +0.4
KSPA	Keystone Cole	73.30 355	eP	pP	19 17 28.1 +1.1
Q41A	Truxton	73.31 342	P	pP	19 16 57.8 +0.2
R38A	Fenwick Farm,	73.32 340	P	P	19 16 57.7 +0.1
N50A	Nevada	73.38 349	P	P	19 16 58.0 +0.1
O47A	Sheridan	73.39 347	P	P	19 16 57.6 -0.4
BRVY	Bryant College	73.45 358	eP	P	19 16 58.9 +0.5
P43A	Skaggs, Pawnee	73.54 344	P	P	19 16 58.8 -0.1
121A	Cookes Peak, D	73.57 327	P	P	19 17 01.2 +1.7
Q40A	Laux Farm, Aux	73.57 342	P	P	19 16 59.6 +0.5
M54A	Oil Creek Stat	73.62 352	eP	P	19 16 59.5 +0.2
M54A	Oil Creek Stat	73.62 352	eP	P	19 16 59.6 +0.2
P42A	Winchester	73.69 343	eP	P	19 16 59.1 -0.7
P42A	Winchester	73.69 343	eP	pP	19 17 29.2 -0.1
P42A	Winchester	73.69 343	eP	pP	19 16 59.6 -0.2
SF2N	Lafayette	73.72 346	eP	P	19 16 59.1 -0.8
SF2N	Lafayette	73.72 346	eP	pP	19 17 29.0 -0.4
SF2N	Lafayette	73.72 346	eP	pP	19 16 59.3 -0.6
O45A	Potomac	73.72 346	P	P	19 16 59.3 -0.6
O44A	Mansfield	73.79 345	P	P	19 16 59.8 -0.5
ALLY	Alegheny Colle	73.82 352	eP	P	19 17 00.4 -0.1
Q39A	Willow Grove F	73.86 341	P	P	19 17 01.0 +0.2
P41A	Barry, Barry	73.95 343	P	P	19 17 01.2 -0.1
BINY	Binghamton	73.95 355	eP	P	19 17 02.1 +0.8
BINY	Binghamton	73.95 355	eP	P	19 17 02.0 +0.8
Q38A	Cooks Store, C	73.96 341	P	P	19 17 01.8 +0.5
SUR	Sutherland	73.97 118	eP	P	19 17 00.9 -1.2
HRV	Adam Dzewiosk	74.04 358	eP	P	19 17 02.4 +0.7
HRV	Adam Dzewiosk	74.04 358	eP	pmax	19 17 02.4 +0.7
HRV	Adam Dzewiosk	74.04 358	eP	pmax	19 17 03.6 +1.9
P40A	Paris	74.06 342	eP	P	19 17 01.9 -0.1
P40A	Paris	74.06 342	eP	pP	19 17 31.8 +0.3
P40A	Paris	74.06 342	eP	pP	19 17 44.5 +0.3
Q43A	Sugar Creek Fa	74.11 344	P	P	19 17 02.4 +0.4
Q37A	Longview Farm,	74.12 340	P	P	19 17 02.3 0.0
N46A	Monello	74.14 347	P	P	19 17 01.7 -0.6
O42A	Bath	74.20 344	P	P	19 17 02.7 0.0
P39B	Salisbury	74.21 341	P	P	19 17 03.0 +0.2
N45A	Kentland	74.25 346	P	P	19 17 02.4 -0.6
ERPA	Erie	74.26 352	eP	P	19 17 02.8 -0.2
ERPA	Erie	74.26 352	eP	P	19 17 03.2 +0.2
O41A	Passleys Farm,	74.32 343	P	P	19 17 03.4 -0.1
N44A	Piper City	74.33 345	P	P	19 17 03.1 -0.4
M48A	Egerton	74.33 348	P	P	19 17 03.3 -0.2
TRY	Troy	74.34 357	eP	P	19 17 04.3 +0.8
TRY	Hopedale	74.36 344	eP	pP	19 17 34.3 +1.2
HDIL	Hopedale	74.36 344	eP	pP	19 17 02.9 -0.8
HDIL	Hopedale	74.36 344	eP	pP	19 17 33.1 -0.1
HDIL	Hopedale	74.36 344	eP	pP	19 17 03.6 0.0
BNM	Barren Site	74.40 329	eP	pP	19 17 04.8 +0.4
BNM	Los Pinos Moun	74.54 329	eP	pP	19 17 36.0 +2.1
LPM	LPM	74.55 341	eP	pP	19 17 36.6 +2.0
P38A	Dawn	74.55 341	eP	P	19 17 04.7 -0.1
P38A	Dawn	74.55			

L37A	baz=164,SNR=7.7 Phoenix Point, baz=159	76.94 342	P	P	19 17 18.2	-0.1
KSCO	Kaye Shedlock' comp=Z,59m,1.4s	76.96 334	eP	P	19 17 20.2	+1.5
KSCO	Kaye Shedlock' baz=152	76.96 334	eP	P	19 17 20.2	+1.5
J42A	Columbus baz=152,SNR=7.5	76.96 345	P	P	19 17 18.5	+0.1
SDCO	Great Sand Dun comp=Z,12m,0.7s	76.98 331	eP	P	19 17 20.0	+0.9
SDCO	Great Sand Dun baz=149,SNR=24	76.98 331	eP	P	19 17 49.8	+1.0
K39A	Oelwein baz=160,SNR=12	77.01 343	P	P	19 17 18.3	-0.4
L36A	Harm Buss Farm baz=159	77.17 341	P	P	19 17 19.8	+0.2
J41A	Loganville baz=162,SNR=7.9	77.20 345	P	P	19 17 19.8	+0.1
I43A	Langefeld Bro baz=164,SNR=12	77.30 346	P	P	19 17 20.3	0.0
J40A	Soldiers Grove baz=162,SNR=16	77.39 344	P	P	19 17 20.9	+0.1
GLA	Glamis baz=142	77.46 322	P	P	19 17 23.0	+1.5
I42A	Dræger Farm, comp=Z,18m,0.9s	77.46 346	eP	P	19 17 21.3	+0.1
I42A	Dræger Farm, baz=163	77.46 346	eP	P	19 17 51.2	+0.2
KLBO	Killbear Provi baz=171,SNR=5.8	77.48 352	P	P	19 17 20.7	-0.6
PEMO	Pembroke baz=173,SNR=6.2	77.51 354	P	P	19 17 22.3	+0.9
S22A	4UR Ranch, Cre comp=Z,10m,0.9s	77.53 331	eP	P	19 17 23.3	+1.2
S22A	4UR Ranch, Cre baz=148,SNR=24	77.53 331	eP	P	19 17 23.3	+1.2
J39A	Decorah baz=161,SNR=19	77.56 344	P	P	19 17 21.6	-0.2
K36A	Gilmore City baz=158,SNR=5.2	77.61 341	P	P	19 17 22.2	+0.1
WUAZ	Wupatki comp=Z,22m,1.3s	77.71 326	eP	P	19 17 24.2	+1.3
WUAZ	Wupatki baz=144,SNR=6.6	77.71 326	eP	P	19 17 24.6	+1.6
TSUM	Tsumeb comp=Z,4.6m,0.9s,baz=172,slow=7.1,SNR=2.9	77.73 105	P	LR	19 17 22.3	-1.3
TSUM	Tsumeb baz=183	77.73 105	P	LR	19 17 22.3	-1.3
J38A	Wedel Dairy, R baz=160,SNR=6.0	77.73 343	P	P	19 17 22.7	-0.1
H43A	Windswept, Lux baz=164	77.79 347	P	P	19 17 23.0	0.0
MVCO	Mesa Verde comp=Z,16m,0.9s	77.79 329	eP	P	19 17 24.3	+0.8
MVCO	Mesa Verde baz=147,SNR=9.1	77.79 329	eP	P	19 17 55.5	+2.2
KOWA	Kowa comp=Z,6.1m,0.5s,baz=226,slow=4.3,SNR=20	77.81 64	P	P	19 17 24.6	+1.1
KOWA	Kowa comp=Z,12m,0.6s,baz=231,slow=6.1,SNR=16	77.81 64	eP	P	19 17 54.2	+0.6
KOWA	Kowa baz=141	77.81 64	eP	P	19 17 23.8	0.0
IKP	In-Ko-Pah, Jac baz=141	77.82 321	eP	P	19 17 23.0	0.0
I41A	Arkdale comp=Z,24m,0.8s	77.83 345	eP	P	19 17 23.2	-0.1
I41A	Arkdale baz=162	77.83 345	eP	P	19 17 53.5	+0.5
I41A	Arkdale baz=162	77.83 345	eP	P	19 17 23.5	+0.2
I40A	Norwalk baz=162	77.83 345	P	P	19 17 23.3	0.0
Y12C	Blythe comp=Z,16m,0.8s	77.85 323	eP	P	19 17 25.3	+1.7
Y12C	Blythe baz=141,SNR=6.8	77.85 323	eP	P	19 17 56.1	+2.7
Y12C	Blythe baz=141,SNR=6.8	77.85 323	eP	P	19 17 25.1	+1.5
TRQ	Mont Tremblant comp=Z,24m,0.8s	77.87 356	eP	P	19 17 20.4	-3.0
TRQ	Mont Tremblant baz=164	77.87 356	eP	P	19 17 52.0	-1.3
K24A	Divide comp=Z,26m,0.8s	77.88 332	eP	P	19 17 24.7	+0.6
Q24A	Divide baz=150,SNR=12	77.88 332	eP	P	19 17 55.3	+1.4
SWSC	Sam W. Stewart baz=141	77.89 322	P	P	19 17 25.6	+1.8
H42A	Shiocton comp=Z,26m,0.8s	77.98 346	eP	P	19 17 24.4	+0.4
H42A	Shiocton baz=162	77.98 346	eP	P	19 17 56.9	+3.1
J37A	Redenius Farm, baz=159,SNR=5.1	78.00 342	P	P	19 17 24.1	-0.2
I39A	Houston comp=Z,43m,0.8s	78.01 344	eP	P	19 17 24.0	-0.2
I39A	Houston baz=161,SNR=13	78.01 344	eP	P	19 17 54.1	+0.1
I39A	Houston baz=161,SNR=13	78.01 344	eP	P	19 17 24.3	+0.1
BAR	Barrett comp=Z,11m,0.8s	78.15 321	eP	P	19 17 26.4	+1.1
BAR	Barrett baz=141	78.15 321	eP	P	19 17 56.1	+1.0
MONP2	Monument Peak baz=141	78.17 321	eP	P	19 17 27.1	+1.4
POI	Presque Isle comp=Z,9.9m,0.8s	78.19 1	eP	P	19 17 26.4	+1.2
POI	Presque Isle baz=159	78.19 1	eP	P	19 17 55.7	+0.7
J36A	Seneca 1, Swea comp=Z,39m,1.1s	78.22 342	eP	P	19 17 25.2	-0.2
J36A	Seneca 1, Swea baz=159,SNR=6.1	78.22 342	eP	P	19 17 55.6	+0.3
J36A	Seneca 1, Swea baz=159,SNR=6.1	78.22 342	eP	P	19 17 25.5	0.0
BC3	Big Chuckawall baz=141,SNR=1.4	78.26 322	P	P	19 17 27.3	+1.3
H41A	Junction City comp=Z,14m,0.6s	78.31 345	eP	P	19 17 25.2	-0.7
H41A	Junction City baz=162	78.31 345	eP	P	19 17 55.2	-0.5
H41A	Junction City baz=162	78.31 345	eP	P	19 17 25.8	-0.1
I38A	Scanlan Farm, baz=160,SNR=19	78.38 343	P	P	19 17 26.2	-0.1
OGNE	Ogallala baz=152	78.44 335	P	P	19 17 28.0	+1.2
H40A	Chili baz=162,SNR=5.3	78.48 345	P	P	19 17 26.8	0.0
IRM	Iron Mountain baz=142,SNR=8.1	78.49 323	P	P	19 17 28.4	+1.2
I37A	Lemond, Waseca comp=Z,45m,0.8s	78.62 343	eP	P	19 17 27.7	+0.1
I37A	Lemond, Waseca baz=159,SNR=13	78.62 343	eP	P	19 17 57.8	+0.4
I37A	Lemond, Waseca baz=159,SNR=13	78.62 343	eP	P	19 17 27.9	+0.3
G42A	Mountain comp=Z,29m,0.7s	78.66 346	eP	P	19 17 27.8	0.0
G42A	Mountain baz=164	78.66 346	eP	P	19 17 57.6	0.0
G42A	Mountain baz=164	78.66 346	eP	P	19 17 28.2	+0.4
PV13	Radium Mtn., P comp=Z,18m,0.9s	78.72 329	eP	P	19 17 29.2	+0.6
PV02	Paradox Valley comp=Z,16m,1.0s	78.73 329	eP	P	19 17 59.6	+1.1
PV02	Paradox Valley baz=141,SNR=14	78.73 329	eP	P	19 17 29.8	+1.2
H39A	Augusta baz=161	78.73 344	P	P	19 18 00.5	+2.0
FRD	Ford Ranch, An baz=141,SNR=10.0	78.73 321	P	P	19 17 28.1	-0.1
XPFO	Piecion Flat comp=Z,14m,1.0s	78.75 322	eP	P	19 17 30.4	+1.7
PFO	Pinyon Flats O comp=Z,14m,1.0s	78.75 322	eP	P	19 18 00.9	+2.3
PFO	Pinyon Flats O comp=Z,14m,1.0s	78.75 322	eP	P	19 17 30.9	+1.4
PFO	Pinyon Flats O comp=Z,20m,1.7s	78.75 322	eP	P	19 18 00.5	+1.9
PFO	Pinyon Flats O comp=Z,20m,1.7s	78.75 322	eP	P	19 17 30.9	+2.2
PFO	Pinyon Flats O comp=Z,20m,1.7s	78.75 322	eP	P	19 17 57.6	+0.6
I36A	Fitzsimmons Fa baz=141,SNR=5.9	78.78 342	P	P	19 17 30.5	+1.7
G41A	Antigo baz=163	78.78 346	P	P	19 17 28.6	+0.2
ISCO	Idaho Springs comp=Z,11m,0.9s	78.79 332	eP	P	19 17 29.8	+0.8
ISCO	Idaho Springs comp=Z,11m,0.9s	78.79 332	eP	P	19 18 01.1	+2.2

ISCO	Idaho Springs comp=Z,11m,0.9s	78.79 332	eP	P	19 17 29.8	+0.8
ISCO	Idaho Springs comp=Z,11m,0.9s	78.79 332	eP	P	19 18 01.1	+2.2
ISCO	Idaho Springs comp=Z,11m,0.9s	78.79 332	P	P	19 17 30.3	+1.2
SMCO	Snowmass comp=Z,24m,0.9s	78.80 331	eP	P	19 17 30.6	+1.4
SMCO	Snowmass comp=Z,24m,0.9s	78.80 331	eP	P	19 17 30.6	+1.4
BELO	Belle Mtn. Jos baz=141,SNR=5	78.81 322	eP	P	19 18 00.8	+1.7
PV03	Paradox Valley baz=141,SNR=5	78.81 329	eP	P	19 17 30.5	+1.4
PV18	Skain Mesa, Pa comp=Z,12m,0.8s	78.83 329	eP	P	19 17 29.8	+0.7
PV18	Skain Mesa, Pa comp=Z,12m,0.8s	78.83 329	eP	P	19 17 30.3	+1.1
PV12	Saucer Basin, comp=Z,11m,0.9s	78.85 329	eP	P	19 18 00.6	+1.6
PV12	Saucer Basin, comp=Z,11m,0.9s	78.85 329	eP	P	19 17 30.1	+0.8
PV11	David Mesa, Pa comp=Z,6.9m,0.7s	78.86 329	eP	P	19 17 59.1	-0.1
PV11	David Mesa, Pa comp=Z,6.9m,0.7s	78.86 329	eP	P	19 17 30.1	+0.8
PV11	David Mesa, Pa comp=Z,6.9m,0.7s	78.86 329	eP	P	19 17 59.0	-0.2
PV17	East Wray Mesa comp=Z,12m,0.8s	78.88 329	eP	P	19 17 29.4	0.0
PV17	East Wray Mesa comp=Z,12m,0.8s	78.88 329	eP	P	19 17 29.4	0.0
PV16	Nyswonger Mesa comp=Z,7.7m,0.9s	78.89 329	eP	P	19 17 59.4	+0.1
PV16	Nyswonger Mesa comp=Z,7.7m,0.9s	78.89 329	eP	P	19 17 30.6	+1.1
PV16	Nyswonger Mesa comp=Z,7.7m,0.9s	78.89 329	eP	P	19 17 58.6	-0.0
PV19	Morning Glory comp=Z,6.0m,0.8s	78.92 329	eP	P	19 17 29.2	-0.4
PV19	Morning Glory comp=Z,6.0m,0.8s	78.92 329	eP	P	19 17 29.2	-0.4
PV19	Morning Glory comp=Z,6.0m,0.8s	78.92 329	eP	P	19 18 01.6	+2.1
F43A	Flat Rock, Esc baz=165	78.98 348	P	P	19 17 29.8	+0.2
PV14	Lion Creek, Pa comp=Z,14m,1.0s	78.99 329	eP	P	19 17 30.7	+0.6
PV14	Lion Creek, Pa comp=Z,14m,1.0s	78.99 329	eP	P	19 17 30.7	+0.6
PV22	Blue Mesa, Par comp=Z,8.8m,0.9s	79.02 330	eP	P	19 18 01.6	+1.7
PV22	Blue Mesa, Par comp=Z,8.8m,0.9s	79.02 330	eP	P	19 17 30.9	+0.7
PV22	Blue Mesa, Par comp=Z,8.8m,0.9s	79.02 330	eP	P	19 18 01.1	+1.0
H37A	Dierke Farm, C baz=160	79.03 343	P	P	19 17 30.0	+0.2
PV23	Carpenter Ridg comp=Z,14m,1.2s	79.05 329	eP	P	19 17 31.4	+1.0
PV23	Carpenter Ridg comp=Z,14m,1.2s	79.05 329	eP	P	19 17 31.4	+1.0
G40A	Rib Lake comp=Z,12m,1.2s	79.05 345	eP	P	19 17 30.1	+0.1
PV21	Cone Mtn., Par comp=Z,8.4m,0.9s	79.12 330	eP	P	19 17 31.4	+0.6
PV21	Cone Mtn., Par comp=Z,8.4m,0.9s	79.12 330	eP	P	19 17 31.4	+0.6
MURC	Murieta baz=140	79.13 321	P	P	19 17 32.1	+1.3
PV09	Paradox Valley comp=Z,11m,0.9s	79.14 329	eP	P	19 17 32.0	+1.1
BOSA	Boshof comp=Z,9.3m,0.9s,baz=227,slow=3.7,SNR=14	79.15 117	P	LR	19 17 31.2	-0.1
BOSA	Boshof comp=Z,9.3m,0.9s,baz=227,slow=3.7,SNR=14	79.15 117	P	LR	19 18 02.5	+1.4
BOSA	Boshof comp=Z,9.6m,0.8s,baz=234,slow=5.3,SNR=4.6	79.15 117	P	LR	19 50 14.2	0.0
BOSA	Boshof comp=Z,9.6m,0.8s,baz=234,slow=5.3,SNR=4.6	79.15 117	P	LR	19 50 14.2	0.0
BOSA	Boshof comp=Z,9.5m,0.7s	79.15 117	eP	P	19 17 30.6	-0.6
BOSA	Boshof comp=Z,9.5m,0.7s	79.15 117	eP	P	19 18 02.5	+1.4
BOSA	Boshof comp=Z,9.5m,0.7s	79.15 117	eP	P	19 17 30.7	-0.6
BOSA	Boshof comp=Z,9.5m,0.7s	79.15 117	eP	P	19 18 02.5	+1.4
ECSD	EROS Data Cent comp=Z,34m,0.8s	79.23 340	eP	P	19 17 30.8	-0.2
ECSD	EROS Data Cent comp=Z,34m,0.8s	79.23 340	eP	P	19 18 01.3	+0.5
ECSD	EROS Data Cent comp=Z,34m,0.8s	79.23 340	eP	P	19	

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Battle Mountain, Pine Nut, Earthquake Lak, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like NCK FITZ, PRGR PRGR, ARU Arti, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MAJO Matushiro, MAJO Matsu-Tunnel, Urumqi, etc.

BUI 04 19:31:32.8, 7.015S, 127.02E, h422km, mb4.2/29, mB4.4/16
ISCJB 04 19:31:33.1, 0.2, 6.98S, 0.02E, 126.86E, 0.03, h407km,
mb4.4/70, Error ellipse: s-maj=4.0km s-min=3.1km
az=168.9

NEIC 04 19:31:35.0, 0.3, 6.94S, 126.88E, h412km, mb4.5/51,
Error ellipse: s-maj=5.5km s-min=3.6km az=63.0
IDC 04 19:31:34.8, 1.0, 6.95S, 126.32E, h408km, 1km, mb3.8/21,
mb1.8/26, mb1mx3.7/52, mb1mx3.4/62, Error ellipse:
s-maj=13.1km s-min=6.9km az=76.0

DJA 04 19:31:35.2, 0.2, 7.1S, 127.7E, h397km, mb4.6/18,
mb4.6/18, mb4.8/6, MLv5.0/15, Mw(mb)4.0/6
ISC 04 19:31:34.4, 0.3, 6.99S, 0.04E, 126.93E, 0.05, h407km, 1151,
e1541/177, mb4.4/70, C2, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like AAI Ambon, NLAJ Namlea, BNDI Bandanaira, etc.

Table with columns: CTA, Charters Tower, 22.83 127 P, P, 19 36 05.8 +1.6, etc. Lists various stations and their coordinates.

Table with columns: MA2 Magadan, 69.02 13 eP, P, 19 41 56.8 -0.4, etc. Lists various stations and their coordinates.

Table with columns: JOM Rokugo, 0.29 244 eS, Sn, 20 00 53.0 0.0, etc. Lists various stations and their coordinates.

ISJCJB 04 20:00:17.5:0.4, 39.52N:104.140:98E:0.09, h144km, 3km, mb3.5/7, Error ellipse: s-maj=11.9km, s-min=6.3km az=14.0

SKHL 04 20:30.8:0.2, 44.37N:148.42E, h38km, 1km, mb4.4/6

4d 20h

JMA 04 20:20:31.3, 0.3, 43.96N:148.14E, h0km, M3.9
ISC 04 20:20:29.3, 0.4, 43.34N:0.08x148E:0.2, h10km, 12km,
n17, r1560/29, Kuril Islands

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

KRNET 04 20:21:48.0, 0.1, 41.70N:79.81E, mb3.4
SOME 04 20:21:49.8, 41.83N:79.62E, h0km
NINC 04 20:21:51.8, 3.0, 41.78N:79.80E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=24.8km s-min=13.6km az=141.0
ISC 04 20:21:52.3, 2.2, 41.84N:0.07:79.81E, h0km, 12km,
n38, r154/70, 17C-14D, Kyrgyzstan-Xinjiang border
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Kyrgyzstan-Xinjiang border region.

2012 AUG

Main table for 2012 AUG with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists numerous seismic stations and their parameters.

ISC/JB 04 20:35:07.4, 0.3, 20.61S:0.03:69.04W:0.07, h124km, 4km,
mb4.8/6, Error ellipse: s-maj=11.1km s-min=4.8km az=3.7
NEIC 04 20:35:08.0, 0.6, 20.64S:68.93W, h108km, 7km, mb4.6/9,
Error ellipse: s-maj=13.3km s-min=7.5km az=97.0
GUC 04 20:35:09.4, 0.7, 20.59S:68.13W, h109km, 4km, ML4.1
IDC 04 20:35:10.3, 2.8, 20.61S:68.84W, h122km, 24km, mb3.8/5,
mb1 3.8/7, mb1mx3.4/5.1, mbmp4.2/7, MS2.7/1, M1 2.7/1,
ms1mx2.3/3/9, Error ellipse: s-maj=41.9km s-min=23.9km
az=108.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Chile-Bolivia border region.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Puerto Ayora region.

IDC 04 20:35:29.5, 9.1, 17.89S:176.58W, h0km, mb3.9/3,
mb1 4.1/3, mb1mx3.5/5.5, mbtmp3.9/3, Error ellipse:
s-maj=290.7km s-min=40.9km az=146.0, Fiji Islands
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Fiji Islands region.

IDC 04 20:35:50.7, 1.6, 50.02S:116.70E, h0km, mb3.8/4,
mb1 4.1/5, mb1mx3.7/4.7, mbtmp3.9/5, ML2.4/1, MS3.4/5,
M1 3.4/5, ms1mx2.9/3/9, Error ellipse: s-maj=60.1km
s-min=25.5km az=89.0, Western Indian-Antarctic Ridge
region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Western Indian-Antarctic Ridge region.

NEIC 04 20:39:10.0, 0.0, 57.11N:157.64W, h4km, ML3.1(AEIC),
After Aeric, Alaska Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in the Alaska Peninsula region.

ISK 04 20:40:59.9, 37.44N, 27.70E, h14km, ML2.0/4
 ISCBJ 04 20:41:00.4, 0.5, 37.45N, 0.03, 27.70E, 0.04, h0km, Error
 ellipse: s-maj=4.1km s-min=3.9km az=156.7
 DDA 04 20:41:00.7, 37.45N, 27.72E, h7km, ML2.5, Suspected
 Mining explosion.
 ISC 04 20:41:00.1, 1.0, 37.44N, 0.02, 27.76E, 0.03, h0km, n15,
 c1506, 22, Turkey

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
MLSB	Milas	0.14	175	PG	Pg	20 41 04.3	+1.5
MLSB				SG	Sg	20 41 06.9	+2.3
AYDN	Tasoluk	0.24	23	i	S	20 41 06.0	+1.1
AYDN				P	Sg	20 41 09.6	+1.6
BDRM	Kayabasi	0.45	214	i	P	20 41 09.3	+0.6
GCAM	Gyzelcam?	0.41	09.6	PG	Pg	20 41 09.6	0.0
GCAM	Gyzelcam?	0.50	303	i	P	20 41 09.7	0.0
GCAM				i	S	20 41 15.0	-1.1
YER	Yerkesik	0.51	126	PG	Pg	20 41 11.8	-0.3
YER				SG	Sb	20 41 19.5	-0.6
BODT	Bodrum	0.52	224	PG	Pg	20 41 10.1	+0.1
BODT				SG	Sg	20 41 16.9	+0.2
AYDB	Zeytinokoy-Aydi	0.52	11	PG	Pg	20 41 10.5	+0.4
DAT	Datca	0.72	192	PG	Pg	20 41 14.4	+0.5
DAT				P	Pb	20 41 15.0	-0.6
TURN	Turunc	0.88	130	PG	Pg	20 41 15.3	-1.6
TURN				SG	Sg	20 41 16.8	-1.5
TURN	Turunc	0.88	130	i	P	20 41 15.9	-1.1
TAVA	DENIZLI Tavass	0.92	88	i	P	20 41 19.5	+0.5
TAVA				i	S	20 41 32.4	+0.6
DGB	zmir	0.93	312	i	P	20 41 18.4	-0.7
KULA	Kula-Manisa	1.29	33	PN	Pg	20 41 24.5	-0.4

ISCJB 04 20:42:10.7, 0.0, 36.21N, 0.05, 141.94E, 0.09, h26km,
 mb3.3/4, Error ellipse: s-maj=9.9km s-min=7.5km
 az=178.0

JMA 04 20:42:12.0, 0.2, 36.30N, 141.80E, h66km, M2.9
 IDC 04 20:42:17.9, 3.3, 36.09N, 141.53E, h65km, 30km, mb3.0/4,
 mb1.3/2.6, mb1mx3.0/7.0, mbtmp3.3/6, ML3.1/2, Error
 ellipse: s-maj=34.1km s-min=17.5km az=85.0

ISC 04 20:42:13.3, 1.1, 36.27N, 0.05, 141.72E, 0.08, h26km, n16,
 c1522, 19, mb3.3/4, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
CHOU	Choshi	0.89	231	P	Pn	20 42 30.2	0.0
JHYU	Hitachinakyama	0.91	275	P	Pb	20 42 30.2	-0.3
JHYU				eS	Pn	20 42 44.3	+1.6
JHYU				eS	Pn	20 42 30.6	-0.8
ONAJ	Iwakimizuishi	1.11	319	P	Pn	20 42 32.0	-1.2
JFK	Kawauchi	1.29	329	P	Pn	20 42 34.7	-0.9
JFT	Otama	1.67	319	P	Pn	20 42 41.1	+0.3
JMM	Marumori	1.76	335	P	Pn	20 42 41.9	-0.1
BSO3	Boso 3	1.76	214	P	Pn	20 42 42.1	+0.2
JAG	Ashikaga	1.83	276	P	Pn	20 42 43.3	+0.2
IMJAR	Matsushiro Arr	2.84	277	P	Pn	20 42 55.3	+1.5
MAT	Matsushiro	2.84	277	P	Pn	20 42 59.0	+2.0
MAT				S	Pb	20 43 36.0	-1.7
JHJ	Hachiojima 2	5.52	207	P	Pn	20 43 06.6	+0.3
JHJ				S	Pn	20 43 45.7	-1.4
MKAR	Makanchi Array	44.73	303	P	P	20 50 24.7	+0.5
KURBB	Kurchatov Arra	46.67	309	P	P	20 50 39.3	-0.1
ILAR	Eielson Array	50.21	32	P	P	20 51 07.1	+2.1
WRA	Warramunga Arr	56.34	188	P	P	20 51 50.6	-1.5

IDC 04 20:44:38.6, 2.1, 36.26N, 140.29E, h0km, mb3.7/6,
 mb1.3/8.7, mb1mx3.5/7.3, mbtmp3.7/7, ML4.1/1, MS2.9/1,
 Ms1.3/0.1, ms1mx2.3/6.0, Error ellipse: s-maj=58.7km
 s-min=18.9km az=67.0

ISCJB 04 20:44:44.2, 0.3, 36.05N, 0.03, 140.01E, 0.05, h61km, 3km,
 mb4.2/1.3, Error ellipse: s-maj=6.8km s-min=5.5km
 az=178.0

NEIC 04 20:44:44.8, 0.8, 36.06N, 140.08E, h52km, 7km, mb4.6/8,
 Error ellipse: s-maj=9.7km s-min=7.5km az=108.0

JMA 04 20:44:46.7, 0.1, 36.05N, 139.88E, h43km, ML3.4
 Broadband fault plane solution: P waves. NP1:
 ρ=43.00000°, δ71.00000°, λ86.00000°. NP2: ρ=234.00000°,
 δ19.00000°, λ101.00000°. Principal axes: T P1g64.00000°,
 Azm307.00000°; N P1g4.00000°, Azm44.00000°; P
 P1g26.00000°, Azm136.00000°;

JMA Felt II J1
 ISC 04 20:44:45.1, 0.8, 36.05N, 0.04, 139.96E, 0.05, h54km, 7km,
 n40, c1844/7, mb4.4/1.3, 2C-4D, Eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
JYT	Yasato	0.26	47	Op	Pn	20 44 55.3	+1.0
JYT				P	Pn	20 45 01.4	+0.6
TOJK	Tokyo	0.40	205	i	P	20 44 56.9	+1.4
JAG	Ashikaga	0.56	312	P	Pn	20 44 57.8	+0.5
JAG				S	Pn	20 45 05.7	-0.4
JHU	Hanno	0.59	250	i	P	20 44 57.4	-0.2
JHU				S	Pn	20 45 05.2	-1.5
JRY	Ryogami san	0.86	268	i	P	20 45 01.2	+0.1
JRY				S	Pn	20 45 11.6	-1.3
JKT	Katashina	0.92	321	P	Pn	20 45 02.6	+0.7
JKT				eS	Pn	20 45 14.2	-0.1
JOD2	Odawara 2	1.06	222	P	Pn	20 45 04.2	+0.4
JOD2				S	Pn	20 45 17.2	-0.4
JYNI	Shimob	1.28	245	P	Pn	20 45 08.2	+1.5
BSO3	Boso 3	1.32	160	i	P	20 45 08.8	-1.2
BSO3	Matsushiro Arr	1.50	290	PN	Pn	20 45 09.3	-0.4
MJAR	comp=2.65nm, 18.1s, baz=240, slow=7			LR		20 45 56.8	
MAJO	Matsushiro	1.50	290	eP	Pn	20 45 10.9	+1.2
MAJO				e	Pn	20 45 56.8	
MAT	Matsushiro	1.50	290	P	Pn	20 45 10.8	+1.1
MAT				S	Pn	20 45 29.9	+1.7
MBJ9	Matsu-Tunnel	1.50	290	ePn	Pn	20 45 10.1	+0.4
INU	Inuyama	2.05	255	PN	Pn	20 45 25.3	+2.1
JHJ	Hachiojima 2	2.93	183	PN	Pn	20 45 29.9	+0.7
JHJ				S	Pn	20 46 01.7	-1.4
JHU2	Mitsue	2.93	182	ePn	Pn	20 45 30.2	+1.0
ERM	Erino	6.45	22	ePn	Pn	20 46 18.0	+0.6
ASAJ	Asahikawa	8.30	13	ePn	Pn	20 46 41.8	-1.0
JOW	Kunigami	13.55	231	ePn	Pn	20 47 53.4	-1.2
PEA08	Petropavlovsk- 33nm, 1.6s	21.12	31	P	P	20 49 23.7	-1.0
GUMO	Gupam	12.80	168	eP	P	20 49 42.4	-1.0
YAK	Yakutsk	26.79	349	eP	P	20 50 18.3	-1.4
ZAA1	Zalesovo Array	41.72	313	eP	P	20 52 29.9	+1.3
ZALV	Zalesovo Beam	41.72	313	eP	P	20 52 29.9	+1.3
ZALV				P	P	20 52 29.9	+1.3
ZALV				P	P	20 52 29.6	+1.0
MK01	Makanchi Array	43.66	303	eP	P	20 52 45.6	+1.2
MK32	Makanchi Array	43.66	303	eP	P	20 52 45.6	+1.2
MKAR	Makanchi Array	43.66	303	P	P	20 52 45.6	+1.2
KURK	Kurchatov	45.63	309	eP	P	20 53 00.9	+1.0
KURBB	Kurchatov Arra	46.67	309	P	P	20 53 01.1	+0.7
BVAR	Borovoye Array	50.37	313	P	P	20 53 37.6	+1.0
SMV	Sawmill	54.17	36	eP	P	20 53 47.0	+1.0
GLI	Glacier Island	51.15	37	eP	P	20 53 40.4	-1.9
FITZ	Fitzroy Crossi	55.53	197	P	P	20 54 19.3	+4.5
FITZ				P	P	20 54 19.0	+4.2
WRA1	Warramunga Arr	55.94	186	eP	P	20 54 18.4	+0.7
WRA1				P	P	20 54 18.4	+0.7

KBL Kabul 56.68 291 ePcP PcP 20 55 17.5 -1.5
 DPW Davenport 71.26 44 eP PcP 20 55 58.0 -0.6
 NOA NORSTAR Array B 74.65 37 LR LR 21 34 00.8
 comp=2.6, 5nm, 18.0s, baz=280, slow=40

MAN 04 21:11:54.8, 12.21N, 125.44E, h3km, mb4.5, ML3.4, MS3.2,
 1C-1D, Samar

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
BESP	Borongan	0.60	180	Op	Pn	21 12 07.8	-0.2
BESP				Pb	Pn	21 12 19.6	-0.9
CNP	Cataram	0.81	292	eS	Pn	21 12 09.9	-0.9
CNP				eS	Pn	21 12 26.2	+0.5
PLP	Palo	1.13	203j	eP	Pg	21 12 15.9	-0.6
PLP				eS	Pn	21 12 33.7	+0.1
AVPQC	Virac	1.86	318	eP	Pn	21 12 22.3	-5.3
PVPCP				eS	Pb	21 12 57.0	+2.3
LLP	Lapu-Lapu	2.37	218	eS	Pn	21 12 39.1	+0.9
RCP	Roxas	2.71	257j	eP	Pn	21 12 08.4	+0.5
				Pn	Pn	21 12 40.5	+1.1

NEIC 04 21:45:00.36, 30N, 141.20E, h32km, Mw3.8 Best double
 couple: Mo=5.68000e+10, NP1: ρ=51.00000°, δ37.00000°,
 λ-60.00000°. NP2: ρ=195.00000°, δ59.00000°,
 λ-11.00000°

IDC 04 21:45:04.2, 0.7, 36.18N, 141.18E, h0km, mb3.7/12,
 mb1.3/9.14, mb1mx3.7/7.0, mbtmp3.7/14, ML3.9/2, MS2.8/5,
 Ms1.2/9.5, ms1mx2.5/7.0, Error ellipse: s-maj=19.4km
 s-min=18.2km az=180.0

JMA 04 21:45:08.5, 0.1, 36.23N, 141.14E, h47km, 2km, M3.8
 JMA Felt II J1
 NEIC 04 21:45:09.2, 3.8, 36.26N, 141.24E, h32km, 26km, mb4.3/2,
 Error ellipse: s-maj=17.4km s-min=10.5km az=139.0

ISC 04 21:45:05.9, 1.8, 36.26N, 0.05, 141.26E, 0.05, h11km, 11km,
 n41, c1933/41, mb3.7/14, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
JHYU	Hitachinakyama	0.55	278	P	Pn	21 45 19.2	-0.5
JHYU				S	Pn	21 45 26.3	+0.9
CHOU	Choshi	0.65	210	P	Pn	21 45 20.4	-0.6
CHOU				S	Pn	21 45 28.5	+0.3
JHYU	Hitachi	0.65	302	P	Pn	21 45 20.5	-0.6
JIHU	Itakohorinouch	0.66	244	P	Pn	21 45 21.0	-0.3
JHYU				S	Pn	21 45 29.5	+0.8
JYT	Yasato	0.86	268	P	Pn	21 45 23.0	+0.1
JYT				S	Pg	21 45 33.0	-0.7
ONAJ	Iwakimizuishi	0.91	336	P	Pn	21 45 35.1	-0.3
JFK	Kawauchi	1.14	345	P	Pn	21 45 28.0	0.0
JFT	Otama	1.45	330	P	Pg	21 45 33.4	-0.4
JFT				S	Pn	21 45 50.9	-0.4
JAG	Ashikaga	1.46	277	P	Pn	21 45 37.7	-0.6
JAG				eS	Pn	21 45 48.7	-2.8
MJAR	Matsushiro Arr	2.47	277	PN	Pn	21 45 46.7	+0.5
MJAR				SN	Sn	21 46 16.5	+0.1
MJAR	comp=Z, 152nm, 18.5s, baz=110, slow=46			LR		21 46 55.1	-1.4
MAJO	Matsushiro	2.47	277	ePn	Pn	21 45 46.7	+0.5
MAT	Matsushiro	2.47	277	P	Pn	21 45 47.2	+0.9
MAT				S	Pn	21 46 16.7	+0.2
ERM	Erino	5.93	14	ePn	Pn	21 46 34.5	+0.8
ASAJ	Asahikawa	7.91	7	PN	Pn	21 47 00.8	-0.1
ASAJ	comp=2.0nm, 0.3s, baz=222, slow=9.5, SNR=2.0			SN	Sn	21 48 27.5	-2.9
JNU	Nakatsue	9.10	253	LR		21 51 17.3	
USRK	Ussuriysk Ar.	10.62	321	PN	Pn	21 47 43.3	+5.2
KSR5	Korea Array	10.75	280	PN	Pn	21 47 44.1	+4.3
KSR5	comp=2.38nm, 21.0s, baz=50, slow=36			LR		21 51 30.3	
KSAR	Wonju Array Be	10.78	280	PN	Pn	21 47 44.1	+3.9
MDJ	Mudjanjing	11.82	317	PN	Pn	21 47 59.4	0.0
YAK	Yakutsk	26.79</					

4d 23h

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

IS/CJB 04 22:23:31.7, 0.4, 44.51S, 0.07, 37.3E, 0.1, h10km, mb4.3/15, MS3.9/33, Error ellipse: s-maj=14.7km

ISC 04 22:23:31.6, 0.7, 44.50S, 37.38E, h0km, mb4.2/12, mb1.4/14, 1.55, mb1mx4.1/55, mb1mp4.3/14, ML4.1/2, MS3.8/33, Ms1.3/33, ms1mx3.7/54, Error ellipse: s-maj=25.8km

NEIC 04 22:23:33.5, 0.3, 44.48S, 37.40E, h10km, mb4.9, Error ellipse: s-maj=11.2km s-min=6.8km az=65.0

ISC 04 22:23:33.7, 0.5, 44.54S, 0.09, 37.2E, 0.1, h10km, n73, c093/46, mb4.4/15, MS3.8/33, 2C, Prince Edward Islands region

Main table of station data for the 4d 23h period, including stations like SUR Sutherland, BOS Boshof, LBTB Lobatse, SYO Syowa Base, etc.

2012 AUG

Table of station data for the 2012 AUG period, including stations like WMO comp=E.69nm, 17.1s, DZM comp=Z.57nm, 28.3s, LZH Lanzhou, etc.

ISK 04 22:38:06.3, 35.29N, 28.62E, h29km, ML3.3/9 DDA 04 22:38:07.3, 35.50N, 28.55E, h7km, ML3.0

ATH 04 22:38:08.9, 0.0, 35.17N, 28.92E, h5km WTH 04 22:38:08.6, 35.51N, 28.47E, h17km, 5km, ML2.4/4, Error ellipse: s-maj=6.2km s-min=1.5km az=34.0

ISC 04 22:38:14.3, 0.2, 35.16N, 29.13E, h66km, ML3.4 NIC 04 22:38:07.8, 2.1, 35.31N, 0.04, 28.61E, 0.03, h34km, 4km, n67, c154/85, Eastern Mediterranean Sea

Main table of station data for the 2012 AUG period, including stations like ARG Arkhangelos, KSL Kastellorizon, KARP Karpathos, etc.

MEX 04 22:45:16.1, 0.6, 15.99N, 98.26W, h10km, MD3.6, Off

196

Table of station data for the 196 period, including stations like PNIG Pinotepa, TLIG Tlapa, AZER 04 22:49:38.8, 0.3, 37.49N, 42.66E, h2km, ml3.2/8, Error ellipse: s-maj=38.2km s-min=28.1km az=135.0

ISN 04 22:49:38.9, 1.2, 38.09N, 42.96E, h13km, 58km, ML3.3 DDA 04 22:49:41.3, 38.00N, 43.02E, h5km, ML3.3

ISK 04 22:49:41.1, 37.99N, 42.92E, h5km, ML3.4/9 ISC 04 22:49:43.1, 1.1, 38.03N, 0.02, 42.99E, 0.02, h10km, n43, c179/67, 6C-6D, Turkey

Main table of station data for the 196 period, including stations like GEVA Gevas, SIRT Sirkak, SIRT Sirkak, etc.

MEX 04 22:54:58.4, 0.5, 16.03N, 98.27W, h5km, MD3.6, Near coast of Guerrero

Table of station data for the MEX 04 22:54:58.4 period, including stations like PNIG Pinotepa, TLIG Tlapa, VHO Vista Hermosa.

MAN 04 23:06:39.0, 13.76N, 120.65E, h108km, mb4.5, ML3.3, MS3.1, 1D, Mindoro

Main table of station data for the MAN 04 23:06:39.0 period, including stations like PGP Puerto Galera, LUBP Lubang, BOAC Boac, etc.

RSNC 04 23:07:23.6, 0.9, 6.84N, 73.16W, h142km, 4km, ML3.0, Mw3.5, 2D, Northern Colombia

Main table of station data for the RSNC 04 23:07:23.6 period, including stations like BARC Barichara, BRRC Barranca, Pamco Pamplona, etc.

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	ISC
WMQ	Urumqi	1.91	47	Op	ISC	01 51 13.0	+3.1	
WMQ				Pg	Pn	01 51 38.6	+2.6	
WMQ	comp=N,4.4m,0.5s			Sg	Smax			
WMQ	comp=E,4.4m,0.7s			Smax	Smax			
KTM5	Ketimen	4.09	285	eP	Pb	01 51 51.9	+2.5	
KTM5	101nm,0.3s			eS	Sb	01 52 42.2	+3.3	
PDGK	Podgornoye	4.69	282	↑Pn	Pn	01 51 49.5	+1.3	
PDGK	14nm,0.3s			↑Pg	Pg	01 52 06.5	-0.6	
PDGK	108nm,0.9s			↑Lg	Lg	01 53 09.0		
PDGK	303nm,0.5s			↑P	P	01 51 49.4	+1.3	
PDGK	Podgornoye	4.69	282	iP	Pmax			
SHLS	Shalkode	4.69	280	eP	Pb	01 52 03.3	+3.7	
SHLS	comp=Z,333nm,0.5s			eS	Sb	01 52 59.7	+3.5	
DJR	Jarkent	4.72	295	eP	Pb	01 52 04.7	+4.5	
DJR	comp=Z,26nm,0.4s			eS	Sb	01 53 03.0	+5.9	
DJR	comp=Z,96nm,0.3s			eS	Sb	01 51 53.5	+2.3	
MK01	Makanchi Array	4.92	331	ePn	Pn	01 51 51.7	+0.1	
MK31	Makanchi Array	4.94	331	ePn	Pn	01 51 51.7	+0.1	
MK31	comp=Z,19nm,0.5s,baz=148,slow=13,SNR=292			↑P	Pb	01 52 07.7	+3.8	
MK31	comp=Z,17nm,0.3s,baz=140,slow=16,SNR=45			↑Sn	Sn	01 52 45.7	-3.1	
MK31	comp=Z,31nm,0.4s,baz=130,slow=17,SNR=4.5			↑Lg	Lg	01 53 09.5		
MK31	comp=Z,66nm,0.3s,baz=139,slow=30,SNR=7.6			↑Lg	Lg	01 51 54.1	+2.6	
MK31	Makanchi Array	4.94	331	ePn	Pn	01 51 53.9	+2.4	
MK31	Makanchi Array	4.94	331	iP	Pmax			
MKAR	Makanchi Array	4.94	331	Pn	Pn	01 51 54.0	+2.5	
MKAR	comp=Z,6.7nm,0.3s,baz=148,slow=14,SNR=187			Lg	Lg	01 53 11.2		
MKAR	comp=Z,68nm,0.3s,baz=139,slow=34,SNR=9.2			LR	LR	01 52 09.1	+4.8	
ZSN	Zaisan	4.97	353	eP	Pb	01 54 12.6		
ZSN	comp=Z,219nm,20.7s,baz=254,slow=43			eS	Sb	01 53 11.2	+7.1	
ZSN	comp=Z,21nm,0.4s			eS	Sb	01 52 13.7	+0.5	
UZB	Uzymbulak	5.01	279	eP	Pg	01 53 17.5	-0.6	
UZB	comp=Z,194nm,0.6s			eS	Sg	01 51 54.4	+1.1	
MAKZ	Makanchi	5.07	329	↑Pn	Pn	01 52 08.6	+2.6	
MAKZ	comp=Z,26nm,0.6s			↑Pg	Pg	01 52 49.2	-2.7	
MAKZ	comp=Z,31nm,0.4s			↑Sn	Sn	01 53 13.3		
MAKZ	comp=Z,48nm,0.6s			↑Lg	Lg	01 51 56.3	+3.0	
MAKZ	comp=Z,146nm,0.8s			↑Lg	Lg	01 51 55.8	+2.5	
MAKZ	Makanchi	5.07	329	ePn	Pn	01 52 16.9	-1.6	
MAKZ	Makanchi	5.07	329	iP	Pmax			
MAKZ	Makanchi	5.07	329	Pmax	Pmax			
KPKS	Kokpek	5.29	283	eP	Pg	01 52 17.6	+5.9	
KPKS	comp=Z,74nm,0.3s			eS	Sg	01 53 28.1	-2.4	
KAPS	Kapalarasan	5.40	303	eP	Pb	01 52 19.1	-2.4	
KAPS	comp=Z,22nm,0.7s			↑iS	Sg	01 53 29.4	-2.9	
SATY	Saty	5.46	278	eP	Pg	01 52 01.7	+2.9	
SATY	comp=Z,139nm,0.6s			eS	Sg	01 52 01.7	+2.9	
SATY	comp=Z,282nm,0.1s			eS	Sg	01 52 22.6	-3.1	
PRZ	Przheval'sk	5.46	272	ePn	Pn	01 52 22.6	-3.1	
PRZ	Przheval'sk	5.46	272	eP	Pg	01 52 22.6	-3.1	
KURS	Kuram	5.67	282	eP	Pg	01 53 36.0	-3.0	
KURS	comp=Z,25nm,0.8s			eS	Sg	01 52 14.5	+2.1	
MDOK	Medeo	6.45	279	↑Pn	Pn	01 52 38.8	-1.9	
MDOK	comp=Z,8.2nm,0.4s			↑Pg	Pg	01 54 05.5		
MDOK	comp=Z,20nm,0.5s			↑Lg	Lg	01 52 39.0	-1.7	
MDOK	comp=Z,70nm,0.6s			eS	Sg	01 54 01.8	-2.5	
MDOK	comp=Z,24nm,0.6s			eS	Sg	01 52 15.8	+2.6	
KNDC	Almaty	6.52	279	↑Pn	Pn	01 52 39.4	-2.6	
KNDC	comp=Z,74nm,0.6s			↑Pg	Pg	01 54 05.3		
KNDC	comp=Z,13nm,0.5s			↑Lg	Lg	01 52 41.3	-1.3	
KNDC	comp=Z,38nm,0.7s			↑Lg	Lg	01 54 07.8	+0.3	
AAA	Alma-Ata	6.55	279	eP	Pg	01 52 51.2	-0.7	
AAA	comp=Z,209nm,0.7s			eS	Sg	01 54 20.4	-2.5	
AAA	comp=Z,27nm,0.5s			eS	Sg	01 52 27.6	+4.0	
KUU	Kury	7.04	284	eP	Pg	01 52 27.8	+0.8	
KUU	comp=Z,102nm,1.0s			eS	Sg	01 52 56.7	-4.3	
KUU	comp=Z,13nm,0.9s			eS	Sg	01 54 32.0		
DKG	Dzjazzat, Alta	7.27	81	eP	Pn	01 52 27.8	+0.8	
DKG	comp=Z,82nm,0.6s			↑Pg	Pg	01 52 56.7	-4.3	
TKM2	Tokmak 2	7.51	276	↑Pn	Pn	01 52 27.8	+0.8	
TKM2	comp=Z,9.5nm,0.6s			↑Pn	Pn	01 52 53.2	0.0	
TKM2	comp=Z,21nm,0.8s			↑Lg	Lg	01 52 27.8	+0.8	
TKM2	comp=Z,32nm,0.5s			iP	Pmax			
TKM2	comp=Z,21nm,0.8s			↑Lg	Lg	01 52 03.6		
KSH	Kashi	8.00	251	P	Pn	01 52 40.7	+7.1	
KSH	comp=Z,6.0nm,0.4s			eP	Pb	01 52 46.7	-9.3	
KSH	comp=Z,11nm,0.6s			eS	Sb	01 52 45.0	+8.3	
FRU	Bishkek	8.23	276	eP	Pmax			
FRU	comp=Z,30nm,1.8s			Pmax	Pmax			
FRU	comp=N,230nm,2.0s			Pn	Pn	01 52 39.4	+1.2	
AAK	Ala-Archa	8.33	275	Pn	Pn	01 54 59.5		
AAK	comp=N,1.2nm,0.3s,baz=116,slow=6.9,SNR=4.5			Lg	Lg	01 56 13.9		
AAK	comp=N,0.9nm,0.3s,baz=340,slow=22,SNR=2.1			Lg	Lg	01 52 39.1	+0.9	
AAK	comp=N,65nm,20.1s,baz=68,slow=41			Pn	Pn	01 53 12.8	-3.8	
AAK	Ala-Archa	8.33	275	↑Pn	Pn	01 52 39.1	+0.9	
AAK	comp=N,4.8nm,0.8s			↑Pg	Pg	01 55 03.6		
AAK	comp=N,16nm,1.0s			↑Lg	Lg	01 52 38.4	+0.2	
AAK	Ala-Archa	8.33	275	ePn	Pn	01 52 39.3	+1.1	
AAK	comp=N,25nm,0.6s			eS	Sn	01 53 05.4	+2.1	
SEM	Semipalatinsk	8.76	336	eP	Pn	01 54 50.0	+2.7	
SEM	comp=N,25nm,0.6s			eS	Sn	01 52 55.0	+0.8	
KURBB	Kurchatov Arra	9.51	331	Pn	Pn	01 54 39.9	-1.8	
KURBB	comp=N,0.3nm,0.3s,baz=151,slow=12,SNR=18			Sn	Sn	01 54 34.4		
KURBB	comp=N,0.8nm,0.3s,baz=151,slow=12,SNR=8.0			Lg	Lg	01 52 54.5	+0.3	
KURBB	Kurchatov Arra	9.51	331	↑Pn	Pn	01 54 38.9	-2.1	
KURBB	comp=N,11nm,0.8s			↑Sn	Sn	01 55 36.2		
KURBB	comp=N,46nm,0.5s			↑Lg	Lg	01 52 55.4	+0.6	
KURK	Kurchatov	9.56	331	↑Pn	Pn	01 54 37.9	-4.3	
KURK	comp=N,12nm,1.1s			↑Sn	Sn	01 55 37.0		
KURK	comp=N,38nm,0.9s			↑Lg	Lg			
KURK	comp=N,116nm,0.8s			↑Lg	Lg			

KURK	Kurchatov	9.56	331	ePn	Pn	01 52 55.2	+0.5
KURK	Kurchatov	9.56	331	ePn	Pn	01 54 39.9	-2.8
KURK	Kurchatov	9.56	331	ePn	Pn	01 55 34.4	
KURK	Kurchatov	9.56	331	ePn	Pn	01 52 55.8	+0.8
SFK	Suffi-Kurgan	9.58	259	↑Pn	Pn	01 52 56.9	+1.5
SFK	comp=N,3.5nm,0.7s			↑Lg	Lg	01 55 41.5	
SFK	comp=N,28nm,1.3s			iP	Pmax	01 52 56.9	+1.5
SFK	Suffi-Kurgan	9.58	259	iP	Pmax		
SFK	Suffi-Kurgan	9.58	259	iP	Pmax		
MNAS	Manas	9.81	274	↑Pn	Pn	01 52 59.5	+1.0
MNAS	comp=Z,4.3nm,0.9s			↑Pg	Pg	01 53 39.7	
MNAS	comp=Z,2.7nm,0.7s			↑Lg	Lg	01 55 50.3	
MNAS	Manas	9.81	274	iP	Pn	01 52 59.4	+1.0
MNAS	comp=Z,2.2nm,0.9s			iP	Pmax		
MNAS	Manas	9.81	274	iP	Pmax		
OTUK	Ortayu	11.04	306	↑Pn	Pn	01 53 15.0	-0.3
OTUK	comp=Z,4.0nm,0.9s			↑Lg	Lg	01 56 29.2	
OTUK	comp=Z,6.5nm,0.0s			↑Lg	Lg	01 53 14.9	-0.3
OTUK	Ortayu	11.04	306	P	Pmax		
OTUK	comp=Z,5.2nm,1.1s			P	Pmax		
OTUK	Ortayu	11.04	306	P	Pmax		
OTUK	comp=Z,7.0nm,0.6s			Pmax	Pmax		
OTUK	comp=N,52nm,1.1s			Pmax	Pmax		
GTA	Gaotai	11.06	102	↑P	Pn	01 53 20.6	+5.1
GTA	Gaotai	11.06	102	↑P	Pn	01 53 24.2	
GTA	Gaotai	11.06	102	↑P	Pn	01 55 31.2	+1.2
GTA	comp=N,4.0nm,1.1s			LR	LR		
GTA	comp=N,150nm,10.8s			LR	LR		
GTA	comp=N,190nm,9.0s			LR	LR		
GTA	comp=N,170nm,10.2s			LR	LR		
KK31	Karatay Array	11.24	278	↑Pn	Pn	01 53 18.9	+1.1
KK31	comp=N,0.7nm,0.5s,baz=96,slow=8.3,SNR=6.3			↑Pg	Pg	01 54 06.0	
KK31	comp=N,0.6nm,0.4s,baz=223,slow=16,SNR=2.6			↑Lg	Lg	01 56 38.0	
KK31	Karatay Array	11.24	278	ePn	Pn	01 53 17.5	-0.3
KK31	Karatay Array	11.24	278	iP	Pmax		
KK31	Karatay Array	11.24	278	iP	Pmax		
KKAR	Karatay Array	11.24	278	ePn	Pn	01 53 18.0	+0.2
KKAR	Karatay Array	11.24	278	eP	Pn	01 53 18.0	+0.2
ZAAO	Zalesovo Array	11.45	357	↑Pn	Pn	01 53 20.5	-0.2
ZAAO	comp=Z,11nm,0.8s			↑Sn	Sn	01 55 26.1	-2.4
ZAAO	comp=Z,16nm,0.6s			↑Sn	Sn	01 53 20.8	+0.1
ZAAO	Zalesovo Array	11.45	357	ePn	Pn	01 53 20.8	+0.1
ZALV	Zalesovo Beam	11.45	357	ePn	Pn	01 55 24.8	-3.7
ZALV	comp=Z						

5d 3h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like MOTA Moosalm, CUC Castrocuoco, RETA Reutta, etc.

ATH 05 01:57:44.2,38'69N-25'25E, h15km, 7km, ML1.5/4, Error ellipse: s-maj=7.4km s-min=1.0km az=130.0, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like PSRA Psara, CHOS Chios island, SIGR SIGRI, etc.

ISC/JB 05 02:09:51.6,0.4,24.71N,0.02,122.35E,0.02, h7km, 3km, Error ellipse: s-maj=4.0km s-min=2.4km az=16.5

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like EOS1 EO51, TWB1 Santiao Chiao, TWC Suao, etc.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like ENTT Mucha, TWA Mucha, TWA Wulai, etc.

BUC 05 02:13:53.9,0.7,45'42N-26'28E, h132km, 5km, MD2.7/2, 6C-8D, Error ellipse: s-maj=7.4km s-min=4.0km az=17.0, Romania

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like MLR Muntele Rosu, PLOR Plostina, VRI Vrincoiaia, etc.

MOS 05 02:15:18.9,1.6,48'08N-155'18E, h89km, mb4.2/1, Error ellipse: s-maj=9.9km s-min=9.8km az=76.5

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like KRSC Kuril Islands, SKR Severo-Kuril's, PAU Pauzhetka, etc.

UPP 05 02:15:34.6,0.1,67'18N-20'64E, h0km, ML2.2, HEL 05 02:15:35.3,0.1,67'18N-20'65E, h0km, ML2.0, ML2.1(NAO), Explosion

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC. Includes stations like DUNU Dundret, RATU Laukkulupa, KUA Kurraavaara, etc.

ISC/JB 05 03:06:27.8,1.0,67'61N-0.03,33'4E,0.02, h0km, Error ellipse: s-maj=8.3km s-min=4.7km az=1.7

5d 6h

Table with columns: DZM, Mont Dzumac, 14.49 291 P, Pn, 05 23 57.6 +1.4, etc.

MAN 05:05:19.4, 6.65N, 125.80E, h35km, mb4.5, ML3.4, MS3.2, 1D, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

BUI 05:05:57.55, 1.5:59Sx134.07E, h6km, mb4.7/38, mB5.0/27, Ms4.8/11, Ms7.4/4.9, IDC 05:05:57.0, 0.5:5.62S, 134.21E, h0km, mb4.6/24, mb1.4/6.27, mb1mx4.6/50, mbmp4.6/27, ML4.6/3, MS3.7/19, Ms1.3/7.19, ms1mx3.4/4.9, Error ellipse: s-maj=27.2km s-min=11.6km az=82.0, NEIC 05:05:57.58, 4.0:2.5:5.9S, 133.93E, h10km, mb4.7/16, Error ellipse: s-maj=5.2km s-min=3.8km az=76.0, NEIC Fail [11] at Dobs, NEIC 05:05:57.59, 6.0:2.5:6.3S, 103.133.89E, 0.03, h32km, mb4.7/44, MS3.8/16, Error ellipse: s-maj=4.5km s-min=3.6km az=0.0, DJA 05:05:58.02, 0.0:2.6:3.3S, 133.4E, h69km, 7km, M5.2/20, mB5.6/13, mb5.2/20, MLV5.1/13, Mw(mB)5.1/13, ISC 05:05:58.01, 9.0:3.5:5.9S, 103.04, 133.88E, 0.05, h32km, n134, r153/135, mb4.8/43, MS3.7/17, 1C-1D, Aru Islands region

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

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Main table with columns: LEM, Lembang, 26.14 266 LR, LR, 06 15 51.7, etc.

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Table with columns: NRK, Nori'sk, 81.18 345 P, P, 06 10 13.4 -0.6, etc.

CNRM 05:06:00.05, 4.36:28N, 9:62W, h10km, MDD 05:06:00.09, 1.1, 36:63N, 9:77W, h0km, mbLg2.6/5, Error ellipse: s-maj=9.6km s-min=7.9km az=43.0, PRXIMO INMG 05:06:00.08, 5.0:3.6:5.6N, 9:79W, h15km, 3km, ML2.3, Error ellipse: s-maj=3.8km s-min=3.5km az=30.0, IGL 05:06:00.08, 3.6:56N, 9:79W, h1km, ML2.3, ISC 05:06:00.04, 5.2:5.3:5.4N, 10:07, 9.98W, 0.08, h16km, 10km, n83, r1579/140, 5C, West of Gibraltar

Main table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like ALMR, EMIN, PMTG, PESTR, EBAD, PTOM, etc.

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

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

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

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

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

ISCJB 05 09:46:33.0,0.4,42.59N,0.02:43.45E,0.03,h5km,4km, Error ellipse: s-maj=3.9km s-min=3.5km az=159.2 DDA 05 09:46:34.2,42.83N,42.22E,h6km,M1.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ONI, DIGR, Tsey, KORR, etc.

MDD 05 09:48:16.7,1.9,39.65N,12.33W,h0km,mb3.57, Error ellipse: s-maj=18.1km s-min=12.0km az=87.0, PRXIMO INMG 05 09:48:18.6,0.7,39.70N,12.76W,h10km,ML1.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like PMAFR, PTOM, PMTG, etc.

4.0nm,0.5s,SNR=7.9 EMIN Mina Concepcio 5.01 111 P Pn 09 49 29.7 +2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SRMT, GURO, SIRT, etc.

DDA 05 10:18:28.7,39.20N,34.39E,h15km,M1.8 Error ellipse: s-maj=17.3km s-min=12.0km az=176.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CDAG, CKAMT, KAMT, etc.

DDA 05 10:18:28.7,39.20N,34.39E,h15km,M1.8 Error ellipse: s-maj=17.3km s-min=12.0km az=176.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ANTO, LOD, CUSAR, etc.

IDC 05 10:35:30.2,3.5,36.26N,71.21E,h153km,30km,mb3.4/7, m1 3.3/12, mb1mx3.1/7.0, mbmp3.8/12, Error ellipse: s-maj=27.5km s-min=20.7km az=4.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SFK, MNAS, AAK, etc.

SOME 05 10:47:40.5,43.40N,81.88E,h10km NNC 05 10:47:42.2,1.9,43.15N,82.09E,h20km,8km,mb3.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KTMES, PDGK, SHLS, etc.

PETK	Petropavlovsk-1.2nm,0.6s,baz=210,slow=3.8,SNR=3.0	49.97	24	P	P	12 49 32.0	+1.3
PETK	comp=Z,15nm,20.7s,baz=164,slow=35						
PETK	Petropavlovsk-49.97 24 eP	49.97	24	eP	LR	13 10 07.1	
PEA1	Petropavlovsk-49.97 24 eP	49.97	24	eP		12 49 32.5	+1.7
DZM	Mot Dumzac-50.84 129 eP	50.84	129	eP		12 49 39.6	+1.6
MK01	Makanchi Array-52.10 323 eP	52.10	323	eP		12 49 46.3	-0.7
MK31	Makanchi Array-52.12 323 eP	52.12	323	eP		12 49 46.4	-0.7
MK32	Makanchi Array-52.12 323 eP	52.12	323	eP		12 49 45.9	-1.2
MKAR	Makanchi Array-52.12 323 eP	52.12	323	eP		12 49 45.9	-1.2
MKAR	Makanchi Array-52.12 323 eP	52.12	323	eP		12 49 46.5	-0.6
MAKZ	Makanchi-52.31 323 eP	52.31	323	eP		12 49 47.8	-0.7
ZAA0	Zalesovo Array-54.76 332 eP	54.76	332	eP		12 50 04.9	-1.4
ZALV	Zalesovo Beam-54.76 332 eP	54.76	332	eP		12 50 04.7	-1.6
ZAA1	Zalesovo Array-54.77 332 eP	54.77	332	eP		12 50 04.7	-1.6
KURK	Kurchatov-56.17 326 eP	56.17	326	eP		12 50 15.8	-0.7
KURBZ	Kurchatov Arra-56.18 326 P	56.18	326	P		12 50 15.4	-1.1
BVAR	Borovyoye Array-61.77 326 P	61.77	326	P		12 50 54.3	-1.0
BKZ	Black Stump Fm-67.40 140 eP	67.40	140	eP		12 51 35.0	+0.8
AKTO	Aktuybinsk-68.71 320 P	68.71	320	P		12 51 37.7	-1.6
ARU	Arti-69.34 327 eP	69.34	327	eP		12 51 42.5	-1.5
ANM	Nome-71.88 25 eP	71.88	25	eP		12 52 03.0	+3.7
CASY	Casey-76.93 186 eP	76.93	186	eP		12 52 28.8	+0.3
IM3	Indian Mountai-76.93 24 eP	76.93	24	eP		12 52 30.9	+2.2
BPAW	Bear Paw Mtn.-77.99 26 eP	77.99	26	eP		12 52 36.8	+2.2
MLY	Manley-78.13 26 eP	78.13	26	eP		12 52 37.7	+2.2
COLD	Coldfoot-78.42 23 eP	78.42	23	eP		12 52 39.5	+2.6
MCK	McKinley-78.89 27 eP	78.89	27	eP		12 52 40.8	+1.1
CCB	Clear Creek Bu-79.38 26 eP	79.38	26	eP		12 52 43.7	+1.5
IL1	Eielson Array-79.77 26 eP	79.77	26	eP		12 52 46.2	+1.8
ILAR	Eielson Array-79.77 26 eP	79.77	26	eP		12 52 45.5	+1.1
RIDG	Independ' e Rid-80.71 27 eP	80.71	27	eP		12 52 50.0	+0.5
SCRK	Sand Creek-81.07 27 eP	81.07	27	eP		12 52 52.7	+1.1
ARA0	ARCESS Array S-84.37 340 eP	84.37	340	eP		12 53 07.7	-0.7
ARCES	ARCESS Array B-84.37 340 P	84.37	340	P		12 53 07.7	-0.7
ARCES	ARCESS Array S-84.37 340 eP	84.37	340	eP		12 53 07.8	-0.6
AREO	ARCESS Array B-84.37 340 eP	84.37	340	eP		12 53 08.0	-0.5
BR101	Keskin Array S-85.54 309 eP	85.54	309	eP		12 53 13.7	-1.4
BRTR	Keskin Array B-85.54 309 P	85.54	309	P		12 53 13.7	-1.4
FIA1	FINES Array S-86.03 332 eP	86.03	332	eP		12 53 15.8	-0.9
FIA0	FINES Array S-86.03 332 eP	86.03	332	eP		12 53 15.8	-0.9
FINES	FINES Array B-86.03 332 P	86.03	332	P		12 53 15.8	-1.0
BUR04	Bucovina Ar. S-89.91 318 eP	89.91	318	eP		12 53 34.9	-0.9
HFS	Hagfors-92.19 332 P	92.19	332	P		12 53 43.8	-2.1
NOA	NORSAR Array B-92.91 334 P	92.91	334	P		12 53 48.0	-1.3
NOA	NORSAR Array S-92.91 334 P	92.91	334	P		12 53 48.0	-1.3
GERES	GERESS Array B-96.78 322 P	96.78	322	P		12 54 05.8	-1.6
E43A	Lone Tree Farm-116.56 25 ePKPdf	116.56	25	ePKPdf	PKPpdf	12 59 21.1	+0.6
KOWA	Kowa-124.84 295 PKP	124.84	295	PKP	PKP	12 59 36.3	-0.9
PLCA	Paso Flores-146.04 157 PKPb	146.04	157	PKPb	PKPb	13 00 16.8	+0.1
PLCA	Paso Flores-146.04 157 ePKPdf	146.04	157	ePKPdf	PKPb	13 00 17.0	-0.2
LGNH	L'ooigne-146.21 33 ePKPdf	146.21	33	ePKPdf	PKPb	13 00 18.6	+0.3
TRQA	Tornquist-151.15 167 ePKPb	151.15	167	ePKPb	PKPb	13 00 30.0	+0.1

EFP	Efpalio-0.33 349 P	0.33	349	P	Pg	12 44 40.4	+0.3
EFP	Efpalio-0.33 349 S	0.33	349	S	Sb	12 44 46.2	+0.6
EFP	Efpalio-0.33 349 AML	0.33	349	AML	AML	12 44 46.5	
EFP	comp=E,19341um,0.2s			AML	AML	12 44 47.2	
EFP	comp=N,17576um,0.3s			AML	AML	12 44 47.2	
EFP	Efpalio-0.33 349 P	0.33	349	P	Pg	12 44 40.1	0.0
EFP	Efpalio-0.33 349 S	0.33	349	S	Sb	12 44 45.9	+0.3
RLS	Riolos of Patr-0.41 264 P	0.41	264	P	Pg	12 44 41.4	-0.1
RLS	Riolos of Patr-0.41 264 S	0.41	264	S	Sb	12 44 47.7	+0.8
RLS	comp=E,15665um,0.2s			AML	AML	12 44 49.4	
RLS	comp=N,26996um,0.2s			AML	AML	12 44 49.4	
RLS	Riolos of Patr-0.41 264 P	0.41	264	P	Pg	12 44 41.1	-0.4
RLS	Riolos of Patr-0.41 264 S	0.41	264	S	Sb	12 44 47.6	+0.4
ANX	Ano Chora-0.49 354 P	0.49	354	P	Pg	12 44 43.1	0.0
ANX	Ano Chora-0.49 354 S	0.49	354	S	Sb	12 44 51.0	+0.6
ANX	comp=E,20458um,0.3s			AML	AML	12 44 53.3	
ANX	comp=N,23544um,0.3s			AML	AML	12 44 53.3	
DSF	Desfina-0.53 54 P	0.53	54	P	Pg	12 44 63.7	-0.3
DSF	Desfina-0.53 54 S	0.53	54	S	Sb	12 44 50.1	-0.6
DSF	comp=E,6851um,0.2s			AML	AML	12 44 52.9	
DSF	comp=N,9320um,0.2s			AML	AML	12 44 55.4	
THAL	Thalero-0.54 96 P	0.54	96	P	Pg	12 44 43.9	+0.1
THAL	Thalero-0.54 96 S	0.54	96	S	Sb	12 44 57.0	0.0
DLFA	Delphi-0.55 47 P	0.55	47	P	Pb	12 44 46.6	+0.2
DLFA	Delphi-0.55 47 S	0.55	47	S	Sb	12 44 46.6	-0.9
DLFA	comp=N,3351um,0.4s			AML	AML	12 44 55.7	
DLFA	comp=N,4214um,0.4s			AML	AML	12 44 57.2	
AMT	Artemida-Makis-0.61 201 P	0.61	201	P	Pb	12 44 45.3	0.0
AMT	Artemida-Makis-0.61 201 S	0.61	201	S	Sb	12 44 57.2	
AMT	comp=N,10154um,0.4s			AML	AML	12 44 59.0	
AMT	Artemida-Makis-0.61 201 P	0.61	201	P	Pg	12 44 44.9	-0.2
AMT	Artemida-Makis-0.61 201 S	0.61	201	S	Sb	12 44 54.0	+0.5
PVO	Paravola-0.63 325 P	0.63	325	P	Pg	12 44 45.2	+0.1
PVO	Paravola-0.63 325 S	0.63	325	S	Sb	12 44 54.2	+0.1
PVO	comp=E,9432um,0.3s			AML	AML	12 44 58.6	
PVO	comp=N,9174um,0.3s			AML	AML	12 44 58.7	
PVO	Paravola-0.63 325 P	0.63	325	P	Pg	12 44 45.2	-0.3
PVO	Paravola-0.63 325 S	0.63	325	S	Sb	12 44 52.5	+1.0
VTN	Vitineika-0.66 254 P	0.66	254	P	Pb	12 44 46.4	+0.3
VTN	Vitineika-0.66 254 S	0.66	254	S	Sb	12 44 45.1	+0.2
VIT	Vitineika-0.66 254 P	0.66	254	P	Pb	12 44 46.2	+0.1
PROD	Prodromos-0.74 77 P	0.74	77	P	Pb	12 44 48.5	-0.3
PROD	Prodromos-0.74 77 S	0.74	77	S	Sb	12 44 59.3	-0.3
PROD	comp=E,5932um,0.3s			AML	AML	12 45 00.6	
PROD	comp=N,5428um,0.2s			AML	AML	12 45 03.0	
PROD	Prodromos-0.74 77 P	0.74	77	P	Pg	12 44 47.9	+0.4
PROD	Prodromos-0.74 77 S	0.74	77	S	Sb	12 44 58.7	-0.9
LTK	Loutraki-0.78 95 P	0.78	95	P	Pb	12 44 49.1	-0.2
LTK	Loutraki-0.78 95 S	0.78	95	S	Sb	12 45 01.2	+0.6
LTK	comp=N,4402um,0.5s			AML	AML	12 45 01.8	
LTK	comp=E,3847um,0.5s			AML	AML	12 45 02.5	
LTK	Loutraki-0.78 95 P	0.78	95	P	Pb	12 44 48.5	+0.2
LTK	Loutraki-0.78 95 S	0.78	95	S	Sb	12 45 00.2	-0.4
LOUT	Loutraki-0.79 98 P	0.79	98	P	Pb	12 44 47.3	-1.1
LOUT	Loutraki-0.79 98 S	0.79	98	S	Sb	12 44 59.2	+0.3
LOUT	comp=E,715um,0.4s			AML	AML	12 45 02.6	
LOUT	comp=N,1066um,0.6s			AML	AML	12 45 02.9	
LOUT	Loutraki-0.79 98 P	0.79	98	P	Pg	12 44 48.7	+0.2
LOUT	Loutraki-0.79 98 S	0.79	98	S	Sb	12 45 00.8	-0.1
VLX	Vlachokerasia-0.79 157 P	0.79	157	P	Pb	12 44 46.2	+0.3
VLX	Vlachokerasia-0.79 157 S	0.79	157	S	Sb	12 44 58.2	-0.8
VLX	comp=N,9980um,0.5s			AML	AML	12 45 03.5	
VLX	comp=E,8659um,0.3s			AML	AML	12 45 05.1	
VLX	Vlachokerasia-0.79 157 P	0.79	157	P	Pb	12 44 48.0	-0.5
VLX	Vlachokerasia-0.79 157 S	0.79	157	S	Sb	12 45 00.1	-1.0
PDO	Prodromos-0.80 309 P	0.80	309	P	Pb	12 44 47.9	-0.7
PDO	Prodromos-0.80 309 S	0.80	309	S	Sb	12 44 47.9	-0.7
PDO	comp=N,11670um,0.4s			AML	AML	12 45 03.7	
PDO	comp=N,9407um,0.3s			AML	AML	12 45 05.5	
PDO	Prodromos-0.80 309 P	0.80	309	P	Pb	12 44 47.9	-0.7
PDO	Prodromos-0.80 309 S	0.80	309	S	Sb	12 45 03.9	+0.9
EVRY	Evrytania-0.83 350 P	0.83	350	P	Pb	12 44 49.2	+0.1
EVRY	Evrytania-0.83 350 S	0.83	350	S	Sb	12 45 01.0	+0.8
EVRY	comp=E,4076um,0.2s			AML	AML	12 45 03.7	
EVRY	comp=N,4410um,0.3s			AML	AML	12 45 03.8	
EVRY	Evrytania-0.83 350 P	0.83	350	P	Pb	12 44 48.5	-0.6
EVRY	Evrytania-0.83 350 S	0.83	350	S	Sb	12 45 01.8	-0.2
ITM	Ithomi-0.92 183 P	0.92	183	P	Pb	12 44 49.6	-1.0
ITM	Ithomi-0.92 183 S	0.92	183	S	Sb	12 45 04.8	-0.2
ITM	comp=N,3075um,0.5s			AML	AML	12 45 06.8	
ITM	comp=N,3095um,0.2s			AML	AML	12 45 07.3	
ITM	Ithomi-0.92 183 P	0.92	183	P	Pb	12 44 50.0	-0.6
KFL	Anninata-0.94 271 P	0.94	271	P	Pb	12 44 50.9	-0.1
KFL	Anninata-0.94 271 S	0.94	271	S	Sb	12 45 05.0	+0.1
KFL	comp=N,735um,0.2s			AML	AML	12 45 10.0	

5d 13h

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Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Includes entries like I02D SwissHome, I03D Drain, HSIG, GRNR Gornyy, etc.

Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Includes entries like PSUT, SZCU Shurtz Canyon, D05A, WUAZ Wupatki, etc.

Table with columns: ID, Name, Elevation, Azimuth, Distance, Direction, Date, Time, Status, etc. Includes entries like TMUT Trail Mountain, MPU Maple Canyon, B08A, B08A Seymchan, etc.

ZEA	eS	SKSac	14 16 51.0 +1.4
ZEA	pmax	pmax	
comp=N,86nm,1.2s			
ZEA		pmax	pmax
comp=Z,140nm,1.2s			
ZEA		pmax	pmax
comp=Z,800nm,8.0s			
ZEA		pmax	pmax
comp=Z,500nm,10.0s			
ZEA		smax	smax
comp=N,400nm,6.0s			
NEW Newport	88.00 36 eP	P	14 07 08.3 -0.2
comp=N,47nm,1.1s			
NEW Newport	88.00 36 eP	P	14 07 08.3 -0.2
comp=Z,47nm,1.1s			
NEW Newport	88.00 36 P	P	14 07 08.7 +0.1
baz=235,SNR=31			
PV22 Blue Mesa, Par	88.02 47 eP	P	14 07 09.1 0.0
comp=Z,58nm,1.7s			
NVL N'lazarevskaya	88.13 183 j/P	P	14 07 08.8 0.0
NVL e'PP	pP		14 08 58.9 +1.6
NVL e'PP	pP		14 10 51.7
NVL e'PP	PP		14 12 55.7
NVL e'PP	SKSac		14 16 48.7 -1.6
NVL e	SS		14 17 07.1
NVL eSSS	SSS		14 27 01.9
NVL eSSS	pmax		
comp=Z,24nm,0.7s			
XAN Xi'an	88.25 307 P	P	14 07 11.1 +1.0
XAN pP	pP		14 09 04.0 +5.3
XAN sP	sP		14 09 44.7 -3.5
XAN SKS	SKSac		14 16 49.9 -2.3
XAN sS	sS		14 17 19.7 +2.1
XAN sS	sS		14 20 26.4 -0.7
XAN sS	sS		14 23 22.3 +4.8
comp=Z,190nm,1.5s			
PHIT Phitsanulok	88.26 289 P	P	14 07 12.7 +2.3
comp=Z,115nm,1.2s,comp=Z,1um			
GD2L Guadalupe Moun	88.31 55 eP	P	14 07 10.7 +0.2
SRDT SRDT	88.34 286 P	P	14 07 13.6 +2.8
comp=Z,141nm,1.7s,comp=Z,2um			
UTTA Uttarakid	88.35 290 P	P	14 07 12.9 +2.1
comp=Z,26nm,1.3s,comp=Z,284nm			
MLY Manley	88.41 11 eP	P	14 07 08.9 -1.2
comp=Z,173nm,1.2s			
WRH Wood River Hill	88.42 13 eP	P	14 07 09.2 -0.8
comp=Z,332nm,1.0s			
RIDG Independe r Rid	88.48 14 eP	P	14 07 10.3 -0.2
comp=Z,182nm,1.1s			
UTHA Uthaitani	88.50 287 P	P	14 07 13.8 +2.3
comp=Z,34nm,1.1s,comp=Z,308nm			
UTMA McKenzie Canyo	88.57 40 eP	P	14 07 12.2 +0.6
DOT Dot Lake	88.59 15 eP	P	14 07 11.0 +0.1
comp=Z,174nm,1.1s			
AHID Auburn Hatcher	88.59 43 eP	P	14 07 11.7 +0.1
comp=Z,43nm,1.0s			
HDA Harding Lake	88.60 13 eP	P	14 07 10.4 -0.5
comp=Z,163nm,0.8s			
CCB Clear Creek Bu	88.63 13 eP	P	14 07 10.2 -0.8
comp=Z,198nm,0.8s			
WHY Whitehorse	88.68 20 eP	P	14 07 12.1 +0.6
comp=Z,100nm,1.0s			
DLBC Dease Lake	88.69 23 P	P	14 07 12.4 +0.9
comp=Z,39nm,0.9s,baz=226,slow=5.3,SNR=89			
DLBC Dease Lake	88.69 23 eP	P	14 07 12.3 +0.8
IM3 Indian Mountai	88.77 10 eP	P	14 07 11.6 0.0
MDM Murphy Dome	88.82 12 eP	P	14 07 11.1 -0.9
comp=Z,262nm,1.0s			
COLA Collee	88.82 13 eP	P	14 07 11.1 -0.8
comp=Z,259nm,0.8s			
COLA Collee	88.82 13 eP	P	14 07 11.1 -0.8
comp=Z,259nm,0.8s			
SCRK Sand Creek	88.88 14 eP	P	14 07 12.3 -0.1
comp=Z,154nm,1.2s			
PHRA Phrae	88.92 290 P	P	14 07 15.3 +1.8
comp=Z,19nm,1.4s			
ILAR Eielson	88.93 13 P	P	14 07 11.7 -0.7
comp=Z,64nm,0.9s,baz=214,slow=5.2,SNR=308			
ILAR	88.93 13 P	P	14 07 11.7 -0.7
comp=Z,1.2nm,0.4s,baz=274,slow=2.8,SNR=15			
ILAR	88.93 13 P	P	14 07 11.7 -0.7
comp=Z,0.9nm,1.0s,baz=336,slow=2.3,SNR=42			
ILB Eielson Array	88.93 13 eP	P	14 07 11.4 -1.0
GO06 Curarrehue	88.98 132 eP	P	14 07 14.7 +1.1
GO06	88.98 132 eP	P	14 09 02.3 0.0
HIA Hailar	88.99 325 eP	P	14 07 13.2 +0.2
comp=Z,50nm,0.8s			
HIA Hailar	88.99 325 eP	P	14 07 13.3 +0.2
comp=Z,50nm,0.8s			
DLMT Dillon	89.00 40 eP	P	14 07 13.7 +0.3
comp=Z,151nm,1.6s			
S22A 4UR Ranch, Cre	89.01 49 eP	P	14 07 13.8 -0.1
comp=Z,49nm,1.6s			
S22A 4UR Ranch, Cre	89.01 49 P	P	14 07 14.6 +0.8
baz=242,SNR=23			
REDW Red Top Meadow	89.05 42 eP	P	14 07 13.8 0.0
comp=Z,97nm,1.4s			
TPAW Teton Pass	89.05 42 eP	P	14 07 13.5 -0.4
comp=Z,145nm,1.8s			
TPAW Sukhothai	89.06 289 P	P	14 09 02.9 +0.2
comp=Z,43nm,1.1s,comp=Z,431nm			
FXWY Fox Creek	89.08 42 eP	P	14 07 14.2 +0.3
comp=Z,15nm,1.0s			
PLCA Paso Flores	89.09 134 P	P	14 07 14.6 +0.5
comp=Z,2.2nm,0.8s,baz=269,slow=6.4,SNR=9.6			
PLCA	89.09 134 P	P	14 09 00.9 -1.8
comp=Z,20nm,1.1s,baz=271,slow=5.6,SNR=19			
PLCA	89.09 134 P	P	14 09 00.9 -1.8
comp=Z,4.7nm,0.9s,baz=77,slow=1.5,SNR=7.9			
SNOW Snow King Moun	89.16 42 eP	P	14 07 14.9 +0.5
comp=Z,45nm,0.8s			
O20A White River Ci	89.16 46 eP	P	14 07 14.6 +0.2
comp=Z,93nm,1.8s			
O20A White River Ci	89.16 46 eP	P	14 07 15.0 +0.6
baz=241,SNR=12			
LNIG Linares	89.17 63 eP	P	14 07 14.1 -0.4
comp=Z,40nm,0.8s			
LNIG Indian Meadow	89.26 42 eP	P	14 09 03.4 +0.1
comp=Z,34nm,0.8s			
UMPA Umpang Tak	89.27 288 P	P	14 07 17.5 +2.4
comp=Z,99nm,1.1s,comp=Z,2um			
MOOW Moose Ponds	89.31 42 eP	P	14 07 15.6 +0.6
comp=Z,15nm,0.8s			
MOOW Long Hollow	89.33 42 eP	P	14 09 05.0 +1.2
comp=Z,22nm,0.7s			
LRM Limekiln Ridge	89.33 40 eP	P	14 07 15.4 +0.3
LRM	89.33 40 eP	P	14 09 04.9 +1.0
KMI Kunming	89.35 297 P	P	14 07 17.4 +1.8
KMI	89.35 297 P	P	14 09 10.6 +3.3
KMI	89.35 297 P	P	14 09 57.6 +3.7
KMI	89.35 297 P	P	14 10 54.2 -1.2
KMI	89.35 297 P	P	14 17 03.3 +3.9
KMI	89.35 297 P	P	14 17 28.6 +1.1
KMI	89.35 297 P	P	14 20 32.7 +5.8
KMI	89.35 297 P	P	14 23 38.7 +4.7
comp=Z,130nm,1.4s			
QLMT Earthquake Lak	89.44 41 eP	P	14 07 16.8 +1.3
LAMP Lampang	89.45 290 P	P	14 07 18.0 +2.1
comp=Z,73nm,1.1s,comp=Z,589nm			
FLWY Flagg Ranch	89.51 42 eP	P	14 07 17.0 +1.1
comp=Z,63nm,1.0s			
YPC Pitchstone Pla	89.54 42 eP	P	14 07 17.1 +0.9
comp=Z,76nm,1.8s			
YHB Horse Butte	89.54 41 eP	P	14 07 17.2 +1.1
comp=Z,45nm,1.0s			
YHB Hu-ho-hao-te	89.55 314 eP	P	14 09 06.5 +1.5
HHC	89.55 314 eP	P	14 07 17.7 +1.7
HHC	89.55 314 eP	P	14 09 09.9 +5.0
HHC	89.55 314 eP	P	14 10 53.4 -3.1
HHC	89.55 314 eP	P	14 16 59.4 -0.2
comp=Z,110nm,1.4s			
HHC	89.55 314 eP	P	14 07 17.2 +1.1
comp=Z,340nm,8.0s			
PAYA Payao	89.56 291 P	P	14 07 18.3 +1.8

BW06 Boulder Array	89.57 43 eP	P	14 07 15.8 -0.4
comp=Z,54nm,1.1s,comp=Z,498nm			
BW06 Boulder Array	89.57 43 P	P	14 07 16.1 -0.2
baz=240,SNR=55			
PD31 Pinedale Array	89.57 43 eP	P	14 07 16.1 -0.1
PDAR Pinedale Array	89.57 43 P	P	14 07 16.4 +0.1
comp=Z,28nm,0.7s,baz=211,slow=3.3,SNR=215			
PDAR	89.57 43 eP	P	14 24 48.8 -0.3
comp=Z,1.0nm,0.8s,baz=76,slow=6.3,SNR=7.1			
PDAR	89.57 43 eP	P	14 32 59.5 +3.8
comp=Z,0.9nm,0.8s,baz=119,slow=1.9,SNR=5.0			
PDAR Pinedale Array	89.57 43 eP	P	14 07 16.0 -0.2
PDAR	89.57 43 eP	P	14 24 48.8 -0.3
PDAR	89.57 43 eP	P	14 32 59.5
SMCO Snowmass	89.57 47 eP	P	14 07 16.7 +0.1
RD0G Red Dog Mine	89.58 6 eP	P	14 07 16.0 +0.6
baz=240,SNR=55			
YFT Old Faithful	89.61 41 eP	P	14 07 17.5 +1.1
comp=Z,47nm,1.1s			
YMR Madison River	89.64 41 eP	P	14 07 17.7 +1.2
comp=Z,324nm,2.0s			
BOZ Bozeman (W)	89.71 40 eP	P	14 07 17.3 +0.6
comp=Z,36nm,0.9s			
BOZ	89.71 40 eP	P	14 09 06.8 +1.2
BOZ	89.71 40 eP	P	14 07 17.3 +0.6
BOZ	89.71 40 eP	P	14 09 06.8 +1.2
comp=Z,36nm,0.9s			
BOZ Bozeman (W)	89.71 40 P	P	14 07 17.5 +0.8
baz=239,SNR=65			
H17A Grant Village	89.74 42 P	P	14 07 19.5 +2.4
comp=Z,190nm,1.9s			
LKWY Lake	89.93 41 eP	P	14 07 19.8 +1.9
comp=Z,36nm,1.0s			
LKWY Lake	89.93 41 eP	P	14 07 19.8 +1.9
comp=Z,36nm,1.0s			
SDCO Great Sand Dun	89.94 49 eP	P	14 07 17.8 -0.4
comp=Z,11nm,0.8s			
SDCO	89.94 49 eP	P	14 09 07.7 +0.6
SDCO	89.94 49 eP	P	14 07 18.4 +0.2
CM01 Chiang Mai Arr	90.01 290 eP	P	14 07 20.1 +1.5
CM31 Chiang Mai Arr	90.04 290 eP	P	14 07 20.3 +1.7
CMAR Chiang Mai Arr	90.04 290 eP	P	14 07 20.6 +2.0
comp=Z,69nm,1.0s,baz=120,slow=3.0,SNR=232			
CMAR	90.04 290 eP	P	14 09 07.0 -0.6
comp=Z,2.3nm,0.9s,baz=132,slow=3.8,SNR=2.6			
DAWY Dawson	90.08 16 eP	P	14 07 18.0 +0.1
comp=Z,45nm,0.9s			
HRY Hoiler Researc	90.16 39 eP	P	14 07 19.1 +0.4
CMMT Chiang Mai	90.16 290 P	P	14 07 20.8 +1.5
comp=Z,149nm,1.6s,comp=Z,2um			
CHTO Chiang Mai	90.17 290 eP	P	14 07 20.4 +1.2
comp=Z,229nm,1.3s			
CHTO Chiang Mai	90.17 290 P	P	14 07 20.9 +1.6
SNR=32			
CHTO Chiang Mai	90.17 290 eP	P	14 07 20.4 +1.2
comp=Z,222nm,1.3s			
CHTO	90.17 290 eP	P	14 07 20.9 +1.6
WALA Waterton Lakes	90.21 36 eP	P	14 07 19.1 +0.1
comp=Z,45nm,1.1s			
EGAK Eagle	90.23 15 eP	P	14 07 18.2 -0.3
comp=Z,201nm,1.1s			
MSTX Muleshoe	90.28 54 eP	P	14 07 19.6 0.0
comp=Z,25nm,0.8s			
MSTX	90.28 54 eP	P	14 09 09.7 +1.1
MSTX	90.28 54 eP	P	14 07 20.0 +0.4
T25A Trinidad	90.45 50 eP	P	14 07 20.6 +0.1
comp=Z,13nm,0.9s			
T25A Trinidad	90.45 50 P	P	14 07 20.4 -0.1
baz=244,SNR=10			
RWWY Rawlins	90.58 45 eP	P	14 07 20.1 -0.9
comp=Z,140nm,1.9s			
RWWY	90.58 45 eP	P	14 09 09.7 -0.3
833A Chaparral WMA,	90.59 60 eP	P	14 07 20.7 -0.3
comp=Z,20nm,0.8s			
833A Chaparral WMA,	90.59 60 P	P	14 07 21.5 +0.5
GO05 Hualapai	90.69 128 eP	P	14 07 21.5 0.0
GO05	90.69 128 eP	P	14 09 09.8 -0.6
Q24A Divide	90.74 48 eP	P	14 07 22.3 +0.5
baz=243,SNR=5.6			
ISCO Idala Springs	90.79 47 eP	P	14 07 21.6 -0.5
comp=Z,6.4nm,0.8s			
ISCO Idaho Springs	90.79 47 eP	P	14 07 21.6 -0.5
comp=Z,6.0nm,0.8s			
ISCO	90.79 47 P	P	14 07 22.6 +0.5
comp=Z,243,SNR=12			
FYU Fort Yukon	90.84 13 eP	P	14 07 21.1 -0.1
comp=Z,52nm,1.3s			
CD2 Chengdu	90.86 303 P	P	14 07 23.8 +1.6
CD2	90.86 303 P	P	14 09 12.4 +1.1
CD2	90.86 303 P	P	14 10 02.0 +1.3
CD2	90.86 303 P	P	14 11 08.2 +1.3
CD2	90.86 303 P	P	14 17 08.2 +0.9
CD2	90.86 303 P	P	14 17 39.2 -0.2
CD2	90.86 303 P	P	14 23 58.1 +3.1
comp=Z,80nm,0.6s			
CD2	90.86 303 P	P	14 07 23.8 +1.6
comp=Z,640nm,3.5s			
RLMT Red Lodge	90.91 41 eP	P	14 07 23.2 +0.9
comp=Z,26nm,1.1s			
RLMT Red Lodge	90.91 41 eP	P	14 07 23.2 +0.9
baz=241,SNR=12			
CGMT Greathill	90.99 41 eP	P	14 09 13.3 +1.7
N23A Red Feather La	91.06 46 eP	P	14 07 23.8 +0.5
comp=Z,29nm,1.1s			
N23A Red Feather La	91.06 46 P	P	14 07 23.8 +0.5
baz=243,SNR=11			
JCT Junction City	91.13 58 eP	P	14 07 23.4 -0.1
comp=Z,16nm,0.8s			
JCT Junction City	91.13 58 eP	P	14 07 23.4 -0.1
comp=Z,16nm,0.8s			
JCT	91.13 58 P	P	14 07 23.4 -0.1
Junction City	91.13 58 P	P	14 07 23.4 -0.1

Table with columns for station name, frequency, power, and other technical details. Includes stations like MKAR, SHLS, SEM, KURK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU, BOSA, AB31, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIV, NC303, NB201, etc.

YOZ	Yozgat	145.85 310	iP	PKPbc	14 13 55.4	-0.3	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	Moravsky	149.70 341	ePKP	PKPdf	14 13 59.6	-0.3
BEL	Belsk	145.88 339	ePKP	PKPb	14 13 53.8	+0.3	COLL	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	Akamaks	149.74 304	iP	PKPbc	14 14 05.2	0.0
BEL	Belsk	145.88 339	ePKIkp	PKPb	14 13 56.4	-0.4	COLL	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	Egridir - ISPA	149.76 310	iP	PKPbc	14 14 05.1	+0.3
BEL	Belsk	145.88 339	ePKIkp	PKPb	14 13 53.8	+0.3	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	Deva	149.76 300	iP	PKPbc	14 14 05.4	+0.0
BEL	Belsk	145.88 339	ePKIkp	PKPb	14 13 56.4	-0.4	COLL	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	PCYC	149.77 304	iP	PKPbc	14 14 05.9	+0.1
KIS	Kishinev	146.05 326	ePKP	PKPdf	14 13 54.0	0.0	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SBT5	149.78 316	iP	PKPbc	14 14 05.9	-0.6
KIS	Kishinev	146.05 326	ePKP	PKPdf	14 13 54.0	0.0	COLL	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SUTC	149.82 309	iP	PKPbc	14 14 04.1	-1.9
KIS	Kishinev	146.05 326	ePKP	PKPdf	14 13 54.0	0.0	COLL	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SMOL	149.85 339	ePKP2	PKPbc	14 14 07.2	+1.7
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SMOL	149.85 339	ePKP	PKPbc	14 14 07.2	+1.7
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SLVT	149.88 318	iP	PKPbc	14 14 05.4	-0.4
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	MDNY	149.92 316	iP	PKPbc	14 14 05.2	+0.7
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	SZ	150.02 323	iP	PKPbc	14 14 06.9	+0.8
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KIS	Kishinev	146.05 326	ePKIkp	PKPb	14 13 54.0	0.0	COLL	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
CORM	Corum	146.12 312	iP	PKPbc	14 13 56.9	+0.4	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
LVV	L'vov	146.29 334	ePKIkp	PKPdf	14 13 54.2	-0.1	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
TAHT	Tahtakopru-Hat	146.34 304	iP	PKPbc	14 13 56.8	-0.2	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
ILGA	Ilgaz	146.38 314	ePKP	PKPb	14 13 54.8	-0.3	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
YAYL	Yayladag	146.50 304	iP	PKPbc	14 13 57.9	+0.3	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
AVNS	Nevesehir-Avano	146.51 309	iP	PKPbc	14 13 58.5	+0.9	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
CDAG	Cicekdag	146.53 311	iP	PKPbc	14 13 58.1	+0.5	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
IAS	Iasi	146.57 327	iP	PKPbc	14 13 57.0	-0.2	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
IAS	Iasi	146.57 327	iP	PKPbc	14 13 57.0	-0.2	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
YURE	YUREGIR	146.62 305	iP	PKPbc	14 13 59.1	+1.0	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
CANT	Cankiri	146.64 313	iP	PKPbc	14 13 56.8	-1.0	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
LEOM	Leova	146.69 326	iP	PKPbc	14 13 58.4	+0.8	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
LEOM	Leova	146.69 326	iP	PKPbc	14 13 58.4	+0.8	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
ASF	Jabal al Asfar	146.78 327	iP	PKPbc	14 13 57.1	+1.2	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KARA	Karaisali	146.91 307	iP	PKPb	14 13 57.1	+1.3	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KWP	Kalwaria Pacla	146.98 335	ePKP	PKPdf	14 13 55.1	-0.4	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KWP	Kalwaria Pacla	146.98 335	ePKP	PKPdf	14 13 55.1	-0.4	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KWP	Kalwaria Pacla	146.98 335	ePKP	PKPdf	14 13 55.1	-0.4	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KWP	Kalwaria Pacla	146.98 335	ePKP	PKPdf	14 13 55.1	-0.4	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KWP	Kalwaria Pacla	146.98 335	ePKP	PKPdf	14 13 55.1	-0.4	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BR131	Keşkin Array S	147.00 311	ePKP	PKPdf	14 13 55.5	-0.5	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BR131	Keşkin Array S	147.00 311	ePKP	PKPdf	14 13 55.5	-0.5	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BR131	Keşkin Array S	147.00 311	ePKP	PKPdf	14 13 55.5	-0.5	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BRTR	Keşkin Array B	147.00 311	ePKP	PKPdf	14 13 58.8	-0.1	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BRTR	Keşkin Array B	147.00 311	ePKP	PKPdf	14 13 58.8	-0.1	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BRTR	Keşkin Array B	147.00 311	ePKP	PKPdf	14 13 58.8	-0.1	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BTIN	Barf-n	147.08 315	iP	PKPbc	14 13 59.9	+0.1	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
KAMT	Kaman	147.10 317	iP	PKPb	14 13 57.1	+1.2	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
TLCR	Talca	147.20 323	iP	PKPbc	14 13 59.3	+0.3	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
TLCR	Talca	147.20 323	iP	PKPbc	14 13 59.3	+0.3	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
DSB	Dublin	147.29 9	ePKPbc	PKPbc	14 13 58.8	-0.2	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
AKSY	AKSARAY - Aiti	147.36 310	iP	PKPbc	14 14 00.4	+0.6	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BUR08	Bucovina Ar. S	147.40 330	ePKP	PKPdf	14 14 00.8	-0.5	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BUR08	Bucovina Ar. S	147.40 330	ePKP	PKPdf	14 14 00.8	-0.5	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BUR04	Bucovina Ar. S	147.41 330	ePKP	PKPdf	14 14 00.8	-0.5	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BUR04	Bucovina Ar. S	147.41 330	ePKP	PKPdf	14 14 00.8	-0.5	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BURAR	Bucovina Array	147.41 330	iP	PKPb	14 13 56.6	+0.2	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BURAR	Bucovina Array	147.41 330	iP	PKPb	14 13 56.6	+0.2	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BHL	Bhannes	147.43 310	ePKIkp	PKPb	14 13 56.6	+0.2	PCED	comp-Z,66nm,1.4s	148.58 342	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
BBAL	Bala	147.44 311	iP	PKPbc	14 14 00.3	+0.2	PCED	comp-Z,241nm,1.1s	148.56 49	ePKPbc	PKIkp	14 14 03.7	-0.2	KRUC	ISP	150.02 310	iP	PKPbc	14 14 05.9	+0.1
MERS	Mersin	147.45 306	iP	PKPbc	14 13 59.6	-0.5	PCED	comp-Z,369nm,0.9s	148.58 342	ePKPbc	PKIkp	1								

2012 AUG

5d 14h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AKBB, KIEV, SORM, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TIP, KBA, CUC, ABTA, etc.

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

Islands region
IDC 05 14:29:06.0-6.0, 20:34S:179.09W, h640km, 218km, mb2.8/5, mb1 3.0/5, mb1mx2=6.43, mbtmp3.9/5, Error ellipse: s-maj=116.1km s-min=66.6km az=145.0, Fiji

WEL 05 14:36:54.1±0.4, 43°S:2°17'3E±1, h5km, ML3.5/6, South Island
Code Station Name Δ° AZ° Op Phase ID Time Res

Table with columns: ORZ, DUWZ, CAW, WKZ, EAZ, KIWI, MTW, OWZ, GUWZ, MRZ, MSZ, MLZ, MLZ, SYZ, WAZ, WHZ, PREZ, KHEZ, PKE, VREZ, DRZ, PKVZ, TUWZ, HIZ. Includes station names, coordinates, and status.

ISC/JB 05 14:51:22.2, 1.4, 39.05N, 0.04, 142.51E, 0.08, h25km, 7km, mb3.7/4, Error ellipse: s-maj=10.9km s-min=6.2km az=17.2

JMA 05 14:51:24.6, 0.1, 39.08N, 142.38E, h35km, 1km, M3.4, IDC 05 14:51:25.4, 0.1, 39.08N, 142.78E, h51km, 27km, mb3.4/4, mb1 3.4/6, mb1mx3.1/63, mbtmp3.5/6, ML2.8, 2/2, Error ellipse: s-maj=45.1km s-min=17.9km az=95.0

ISC 05 14:51:23.1, 2.0, 39.02N, 0.05, 142.43E, 0.09, h23km, 13km, n12, c064/25, mb3.7/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like OFUJ, MIYJ, JMK, etc.

KRSC 05 15:09:50.9, 0.8, 49.47N, 156.48E, h63km, 12km, ML3.6, Kuril Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SKR, PAU, KDTR, etc.

MAN 05 15:11:20.4, 9.36N, 126.11E, h26km, mb3.6, ML2.3, MS1.7, ID, Mindanao

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SCPH, SCPH, MSLP, etc.

ISC/JB 05 15:35:42.3, 0.5, 20.84N, 0.05, 94.22E, 0.06, h52km, mb3.9/11, Error ellipse: s-maj=9.7km s-min=3.7km az=137.9

IDC 05 15:35:46.1, 3.9, 20.78N, 94.33E, h78km, 33km, mb3.6/11, mb1 3.7/10, mb1mx3.3/66, mbtmp3.8/12, Error ellipse: s-maj=50.0km s-min=11.6km az=55.0

ISC 05 15:35:43.2, 0.6, 20.75N, 0.08, 94.09E, 0.07, h52km, n38, c25/249, mb3.9/11, Myanmar

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SAIH, SAIH, SAIH, etc.

Table with columns: TURI, TEZP, TEZP, TEZP, TEZP, TEZP, PHRA, NANT, NANT, LKP, PBKT, GTK, ODAN, ODAN, TAPN, NONG, RAMI, JIRN, PKIN, PKIN, KKN, KKN, GKN, GKN, MKAR, MKAR, KURBB, KURBB, ZALV, FITZ, WRA, WRA, ASAR, ASAR, ASAR, FINES, ARCES, HFS, GERES, ILAR, TXAR, CPUP. Includes station names, coordinates, and status.

MAN 05 15:48:35.3, 9.70N, 125.72E, h20km, mb4.2, ML2.9, MS2.6, IDC 05 15:48:52.9, 3.1, 7.05N, 126.60E, h0km, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.0/61, mbtmp3.2/3, Error ellipse: s-maj=269.8km s-min=25.6km az=66.0

ISC 05 15:48:35.2, 1.4, 9.74N, 0.06, 125.8E, 0.1, h35km, n7, c23/92, ID, Mindanao

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SCPH, SCPH, SCPH, etc.

NIED 05 15:50:00, 35.70N, 140.80E, h11km, Mw3.7, Best double couple: M3.84000, 1014 NP1, 1014, 000000, 842, 000000, lambda-88.00000, NP2, 179, 00000, 848, 00000, lambda-92.00000

ISC/JB 05 15:50:34.0, 0.7, 35.69N, 0.03, 140.95E, 0.07, h21km, 4km, mb3.5/7, Error ellipse: s-maj=9.7km s-min=5.4km az=2.7

IDC 05 15:50:33.4, 0.8, 35.64N, 140.76E, h0km, mb3.5/7, mb1 3.7/10, mb1mx3.4/73, mbtmp3.5/10, ML3.3, 4/3, Error ellipse: s-maj=25.6km s-min=16.1km az=94.0

JMA 05 15:50:35.3, 0.1, 35.66N, 140.85E, h12km, 1km, M3.7, JMA Feil II JI

ISC 05 15:50:35.0, 0.9, 35.67N, 0.04, 140.86E, 0.07, h14km, 5km, n27, c080/27, mb3.6/7, 3C-1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like CHOJ, CHOJ, JCHU, etc.

IDC 05 15:54:22.6, 22.0, 23.38S, 178.20E, h693km, 201km, mb2.6/4, mb1 2.8/4, mb1mx2.5/45, mbtmp3.8/4, Error ellipse: s-maj=240.7km s-min=128.5km az=127.0, South of Fiji Islands

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like CTA, ASAR, WRA, FITZ, HFS, AKSG, MMAL.

MAN 05 16:01:21.8, 16.01N, 120.10E, h32km, mb4.3, ML3.1, MS2.9, Luzon

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SCZP, BOLP, ABRA, APYP.

DDA 05 16:11:03.7, 39.21N, 34.40E, h7km, ML3.0, ISK 05 16:11:03.7, 39.25N, 34.38E, h5km, ML2.6/5, ISC 05 16:11:03.9, 1.0, 39.21N, 0.03, 34.39E, 0.03, h14km, 14km, n14, c048/22, Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like CDAG, AVNS, KAMT, AKSY, YOZ, YOZ, CORM, AFRS, COAL, SULT, YAHY, ANTO, LOD, KIZT.

MAN 05 16:11:36.0, 9.71N, 126.18E, h32km, mb4.5, ML3.3, MS3.1, ID, Mindanao

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like SCPH, SCPH, BUTP, MSLP, BESP.

IDC 05 16:28:14.2, 1.1, 9.70S, 159.25E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/45, mbtmp3.5/3, Error ellipse: s-maj=66.5km s-min=14.0km az=158.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like HNR, HNR, HNR, WRA, ASAR, H11S3, H11S2, H11S1, H11N1, H11N3, H11N2, MKAR.

RSNC 05 16:40:08.6, 0.8, 6.80N, 73.15W, h148km, 5km, ML3.1, Mw3.6, 2C, Northern Colombia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res. Lists stations like BARC, BARC, BARC, PAMC, PAMC, RUSC, RUSC, PTBC, PTBC, TAMC, TAMC, OCAC, OCAC, ZARC, ZARC, CHIC, CHIC, ROSC, ROSC, HELC, HELC, GUYC, GUYC, VILC.

5d 20h

Table with columns for station name, frequency, mode, and coordinates. Includes stations like POLO, MTE, PCBR, etc.

2012 AUG

Table with columns for KMI, pmax, pmax, and station name. Includes stations like KMI, CHTO, CMMT, etc.

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Table with columns for station name, frequency, mode, and coordinates. Includes stations like ASAJ, MAJO, MAT, etc.

ROM 05 20:39:46.0-0.1, 42.732N, 0.003-13.093E, 0.005, 111km, ML1.2/6, Central Italy

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NORCIA, ARRONNE, etc.

IDC 05 20:42:25.7-1.6, 6.59S, 129.228E, h0km, mb3.5/3, mb1 3.6/6, mb1mx3/4,48, mbtmp3/5.6, ML3.0/2, Error ellipse: s-maj=54.9km s-min=26.8km az=80.0, Banda Sea

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI, FITZ, WRA, etc.

MAZI Mazidag	2.02 269	PN	Pn	21 25 53.6 +0.5
ANGB Banar-Agry	2.06 0	PN	Pn	21 25 54.1 +0.4
GRBG Hingur Tjil	2.35 310	PN	Pn	21 25 57.8 +0.2

JMA 05 21:34:03.1±0.1, 39.29N; 142.46E, h49km, 1km, M3.2
 IDC 05 21:34:04.0±0.2, 39.73N; 141.38E, h0km, mb3.5/4,
 mb1.3/4.6, mb1mx3.2/6.7, mbtrp3.4/6, ML3.0/2, Error
 ellipse: s-maj=48.4km, s-min=23.6km az=94.0

ISC 05 21:33:59.41.9, 39.322N; 140.142.49E, 0.08, h12km, 10km,
 n24, s114/27, mb3.6/4, Near east coast of eastern
 Honshu

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h	s
MIYJ	Miyakonagasawa	0.58 297	P	Pn	21 34 15.2 +1.6		
OFUJ	Ofunato	0.68 250	P	Pn	21 34 23.6 +1.3		
JTH	Tanohata	0.79 322	P	Pn	21 34 16.2 +1.3		
JTH	Tanohata	0.79 322	S	Pn	21 34 18.1 +1.6		
JOM	Ohasama	0.94 280	P	Pn	21 34 29.1 +0.9		
JOM	Ohasama	0.94 280	S	Pn	21 34 20.0 +1.5		
JMK	Ichinoseki	1.05 250	P	Pn	21 34 32.1 +0.2		
JMK	Ichinoseki	1.05 250	S	Pn	21 34 21.3 +1.3		
JKZ	Kuzumaki	1.12 307	P	Pn	21 34 22.8 +1.8		
JKZ	Kuzumaki	1.12 307	S	Pn	21 34 37.1 +0.7		
JIO	Ouri	1.24 226	P	Pn	21 34 23.6 +0.4		
JIO	Ouri	1.24 226	S	Pn	21 34 38.3 -0.4		
JANG	Nango	1.30 325	P	Pn	21 34 24.8 +0.5		
JANG	Nango	1.30 325	S	Pn	21 34 40.9 -0.3		
JRG	Rokugo	1.44 274	P	Pn	21 34 27.1 0.0		
JRG	Rokugo	1.44 274	S	Pn	21 34 45.8 0.0		
JAH	Hinai	1.68 302	P	Pn	21 34 31.0 -0.6		
JAH	Hinai	1.68 302	S	Pn	21 34 57.1 -1.6		
JYK	Kaneyama	1.71 257	P	Pn	21 34 30.9 +0.1		
JYK	Kaneyama	1.71 257	S	Pn	21 34 52.0 -0.1		
JOU	Okura	1.71 237	P	Pn	21 34 30.8 -0.1		
MJAR	Matsushiro Arr	4.37 232	Pn	Pn	21 35 06.8 +1.1		
ASAJ	Asahikawa	4.80	Pn	Pn	21 35 13.2 +1.7		
ASAJ	Asahikawa	4.80	S	Pn	0.3nm, 0.3s, baz=35, slow=12, SNR=5.1		
ASAJ	Asahikawa	4.80	S	Pn	0.3nm, 0.3s, baz=233, slow=20, SNR=11		
H1N1	WAKE ISLAND HY 28.69 126	T	T	22 10 24.9			
H1N2	WAKE ISLAND HY 28.79 126	T	T	22 10 26.2			
H1N3	WAKE ISLAND HY 28.79 126	T	T	22 10 26.8			
H1S1	WAKE ISLAND HY 29.48 128	T	T	22 11 24.8			
H1S3	WAKE ISLAND HY 29.49 128	T	T	22 11 28.1			
H1S2	WAKE ISLAND HY 29.50 128	T	T	22 11 25.2			
ZALV	Zalesovo Beam	41.04 310	P	P	21 41 41.1 -1.2		
MKAR	Makanchi Array	43.66 300	P	P	21 42 02.9 -1.1		
KURSB	Kurchatov Arra	45.30 306	P	P	21 42 15.3 -1.6		
WRA	Warramunga Arr	59.44 189	P	P	21 44 10.5 +8.4		

PRU 05 21:36:19.5±0.0, 44.20N; 17.99E, h0km
 PDG 05 21:36:19.6±0.2, 44.27N; 18.05E, h11km, ML2.9/13, Error
 ellipse: s-maj=0.6km, s-min=0.9km az=0.0

BE0 05 21:36:19.7±0.3, 44.20N; 17.83E, h1km, 2km, ML2.7/7
 ISC 05 21:36:19.4±1.1, 44.21N; 0.02; 17.91E, 0.02, h4km, 9km,
 n85, s098/146, 16C-70, Northwestern Balkan Peninsula

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h	s
DOB	Doboj	0.55 15	epg	Pg	21 36 29.4 -0.5		
DOB	Doboj	0.55 15	epg	Sg	21 36 36.7 -0.3		
DOB	Doboj	0.55 15	epg	Sg	21 36 29.5 -0.5		
DOB	Doboj	0.55 15	epg	Sg	21 36 37.4 +0.4		
BLJ	Banja Luka	0.75 317	epg	Pg	21 36 43.0 +0.1		
BLJ	Banja Luka	0.75 317	epg	Sg	21 36 44.2 +0.7		
BLJ	Banja Luka	0.75 317	epg	Pg	21 36 33.8 0.0		
BLJ	Banja Luka	0.75 317	epg	Sg	21 36 43.3 -0.6		
HAPS	Han Pijesak, BI	0.76 99	epg	Sg	21 36 44.3 +0.7		
HAPS	Han Pijesak, BI	0.76 99	epg	Sg	21 36 44.4 +0.5		
HAPS	Han Pijesak, BI	0.76 99	epg	Pg	21 36 33.0 -1.0		
HAPS	Han Pijesak, BI	0.76 99	epg	Sg	21 36 44.3 +0.4		
MRAK	Mrakovica	1.08 319	epg	Pg	21 36 39.8 -0.4		
BBL5	Lazići	1.13 107	epg	Pg	21 36 54.1 -0.1		
BBL5	Lazići	1.13 107	epg	Sg	21 36 41.2 +0.1		
BBL5	Lazići	1.13 107	epg	Sg	21 36 57.7 -0.4		
BBL5	Lazići	1.13 107	epg	Sb	21 36 40.4 -0.2		
BBL5	Lazići	1.13 107	epg	Sb	21 36 56.4 -0.2		
TEKS	Tekeris	1.21 73	epg	Pg	21 36 43.8 +0.7		
TEKS	Tekeris	1.21 73	epg	Pg	21 37 01.1 -1.0		
TEKS	Tekeris	1.21 73	epg	Pg	21 36 42.3 -0.4		
TEKS	Tekeris	1.21 73	epg	Sg	21 36 59.7 -0.3		
UPM	Unac-Piva	1.24 144	epg	Pg	21 36 42.0 -1.1		
UPM	Unac-Piva	1.24 144	epg	Sg	21 37 01.8 +1.0		
UPM	Unac-Piva	1.24 144	epg	Pg	21 36 41.1 -1.3		
UPM	Unac-Piva	1.24 144	epg	Sg	21 36 59.8 +0.1		
STON	Ston	1.34 187	epg	Pg	21 36 43.6 -1.3		
STON	Ston	1.34 187	epg	Sg	21 37 01.9 -0.6		
STON	Ston	1.34 187	epg	Sb	21 36 43.4 -1.4		
STON	Ston	1.34 187	epg	Sg	21 37 02.6 0.0		
STON	Ston	1.34 187	epg	Sg	21 36 43.1 -1.3		
STON	Ston	1.34 187	epg	Sg	21 37 02.1 -0.4		
BRY	Bratogost	1.36 160	epg	Pg	21 36 45.4 -0.2		
BRY	Bratogost	1.36 160	epg	Sn	21 37 07.2 +2.9		
BRY	Bratogost	1.36 160	epg	Sg	21 36 44.3 -1.3		
BRY	Bratogost	1.36 160	epg	Sn	21 37 04.5 +0.2		
PLJ	Piljevi	1.39 129	epg	Pg	21 36 54.1 -0.1		
PLE	Piljevi	1.39 129	epg	Sg	21 37 05.8 +1.4		
DIVS	Divibare	1.50 93	epg	Pn	21 36 47.7 -0.2		
DIVS	Divibare	1.50 93	epg	Sg	21 37 10.3 +2.6		
DIVS	Divibare	1.50 93	epg	Pn	21 36 47.1 -0.1		
DIVS	Divibare	1.50 93	epg	Sg	21 37 08.5 +0.8		
TREB	Trebinje	1.52 168	epg	Pn	21 36 47.1 -0.1		
TREB	Trebinje	1.52 168	epg	Sg	21 37 08.2 -0.3		
TREB	Trebinje	1.52 168	epg	Pn	21 36 46.9 -0.5		
TREB	Trebinje	1.52 168	epg	Sg	21 37 08.6 +0.3		
UDBI	Udbina	1.57 283	epn	Pn	21 36 47.5 -0.5		
UDBI	Udbina	1.57 283	epn	Sg	21 37 11.2 -1.2		
NKY	Niksic	1.60 150	epn	Pn	21 36 48.9 +0.4		
NKME	Niksic	1.63 152	epn	Pb	21 37 12.1 +1.3		
NKME	Niksic	1.63 152	epn	Sg	21 36 49.5 -0.5		
IVAS	Ivanjica	1.74 110	epn	Sg	21 37 12.6 +0.9		
IVAS	Ivanjica	1.74 110	epn	Sg	21 36 52.5 -0.3		
SJES	Sjenica	1.77 122	epn	Pn	21 37 16.1 +0.8		
SJES	Sjenica	1.77 122	epn	Sg	21 36 51.0 +0.1		
KOME	Kolasin	1.79 139	epn	Pn	21 36 51.3 +0.2		
KOME	Kolasin	1.79 139	epn	Sb	21 37 16.1 +0.5		
TRUS	Trudelj	1.80 89	epn	Pn	21 36 42.5 -0.4		
TRUS	Trudelj	1.80 89	epn	Sb	21 37 15.9 -0.2		
HCY	Herceg Novi	1.81 166	epn	Pn	21 36 53.0 -0.1		
HCY	Herceg Novi	1.81 166	epn	Sg	21 37 18.3 +0.8		
HCY	Herceg Novi	1.81 166	epn	Pn	21 36 52.1 +0.8		
HCY	Herceg Novi	1.81 166	epn	Sg	21 37 15.1 +0.4		
CEME	Cevo	1.81 156	epn	Pn	21 36 52.9 +0.9		
CEME	Cevo	1.81 156	epn	Sg	21 37 17.7 0.0		
IVA	Berane	1.97 132	epn	Pn	21 36 53.7 +0.2		
PDG	Podgorica	2.03 151	epn	Pn	21 36 52.4 -0.2		
PDG	Podgorica	2.03 151	epn	Sb	21 36 52.1 +1.1		
PDG	Podgorica	2.03 151	epn	Sg	21 36 45.3 -0.9		
PDG	Podgorica	2.03 151	epn	Sb	21 37 23.3 +0.9		
PDG	Podgorica	2.03 151	epn	Pn	21 36 55.2 +0.9		
PDG	Podgorica	2.03 151	epn	Sg	21 37 20.8 +0.8		
TTG	Podgorica	2.03 151	epn	Pn	21 36 55.2 +0.9		
TTG	Podgorica	2.03 151	epn	Sg	21 37 22.5 +0.1		
BUM	Brajici-Budva	2.04 159	epn	Pn	21 37 16.8 +0.5		
BUM	Brajici-Budva	2.04 159	epn	Sb	21 37 22.8 +0.2		
GRUS	Gruga	2.05 98	epn	Pn	21 36 54.7 +0.1		
PVY	Plav	2.20 136	epn	Pn	21 36 57.2 +0.4		
PVY	Plav	2.20 136	epn	Sg	21 37 25.8 +1.4		
NVLJ	Novalja	2.21 280	epn	Pn	21 36 57.9 +1.4		
NVLJ	Novalja	2.21 280	epn	Sb	21 37 26.4 -1.0		
DRME	Dracevica, Mon	2.22 155	epn	Pn	21 36 58.1 +1.1		
DRME	Dracevica, Mon	2.22 155	epn	Sb	21 37 27.2 -0.8		
DRME	Dracevica, Mon	2.22 155	epn	Pn	21 36 58.2 +1.2		

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h	s
DRME	Dracevica, Mon	2.22 155	epn	Sn	21 37 25.2 +0.3		
OZLJ	Ozalj	2.23 310	epn	Pn	21 36 57.6 +0.5		
OZLJ	Ozalj	2.23 310	epn	Sb	21 37 27.9 -0.3		
BOJS	Bojanci	2.29 305	epn	Pn	21 36 59.1 +1.1		
CRES	Cresnejev	2.38 314	epn	Pn	21 36 59.2 +0.1		
CRES	Cresnejev	2.38 314	epn	Sb	21 37 48.7 +0.0		
BEHE	Becsehely	2.40 341	epn	Pn	21 37 00.2 +0.8		
BEHE	Becsehely	2.40 341	epn	Sb	21 37 33.9 +0.8		
BEHE	Becsehely	2.40 341	epn	Pn	21 37 00.2 +0.8		
BEHE	Becsehely	2.40 341	epn	Sn	21 37 29.7 +0.4		
BCI	Bajram Curri	2.42 139	epn	Pn	21 37 03.6 +0.1		
BCI	Bajram Curri	2.42 139	epn	Sg	21 37 07.8 +0.7		
ULC	Ulcinj	2.45 156	epn	Pn	21 37 30.8 +0.7		
ULC	Ulcinj	2.45 156	epn	Sb	21 37 32.6 -1.8		
KOGS	Kog	2.53 333	epn	Pn	21 37 01.6 +0.4		
SELS	Selova	2.53 112	epn	Pn	21 37 01.0 -0.2		
SELS	Selova	2.53 112	epn	Sb	21 37 35.4 -1.4		
PUPA	Puka	2.60 145	epn	Pn	21 37 04.4 +2.1		
RIV	Rijeka	2.68 296	epn	Pn	21 37 04.0 +0.7		
VISS	Visnje	2.70 307	epn	Pn	21 37 04.2 +0.7		
MDVR	Moldovitea	2.71 77	S	Sg	21 37 49.6 +0.8		
CEY	Cerknica	2.98 303	epn	Pn	21 37 06.9 +0.5		
BZS	Buzias	2.99 61	epn	Pn	21 37 06.7 -0.8		
BZS	Buzias	2.99 61	S	Pn	21 37 42.6 -1.2		
PERS	Pernice	3.12 143	epn	Pn	21 37 09.6 +0.2		
PERS	Pernice	3.12 143	epn	Sn	21 37 45.1 -2.1		
PHP	Peshkopia	3.13 122	epn	Pn	21 37 11.3 +1.7		
BARS	Bar	3.16 115	epn	Pn	21 37 08.0 +0.0		
SOKA	Soboth	3.19 322	epn	Pn	21 37 10.8 +0.4		
SOKA	Soboth	3.19 322	epn	Sn	21 37 47.2 -1.8		
HERR	Herzegovina	3.29 77	epn	Pn	21 37 11.8 +0.1		
OBKR	Obir	3.30 315	epn	Pn	21 37 12.1 +0.2		
OBKR	Obir	3.30 315	epn	Sg	21 38 09.4 +4.0		
ARSA	Arzberg	3.47 332	epn	Pn	21 37 14.7 +0.5		
ARSA	Arzberg	3.47 332	epn	Sn	21 37 54.6 -1.2		
ZAPS	Zavoj	3.55 104	epn	Pn	21 37 15.9 +0.6		
SOP	Sopron	3.60 345	epn	Pn	21 37 16.2 +0.2		
SOP	Sopron	3.60 345	epn	Sn	21 37 58.3 -0.6		
PSZ	Piszkesteto	3.96 20	ex	Pn	21 37 20.6 -0.4		
CONA	Conrad Observa	3.99 340	epn	Pn	21 37 21.6 +0.3		
CONA	Conrad Observa	3.99 340	epn	Sn	21 38 08.2 -0.3		
MODS	Modra-Piesok	4.19 354	epn	Pn	21 37 25.0 +0.9		
MODS	Modra-Piesok	4.19 354	epn	Sb	21 38 10.6 -2.9		
DRGR	Dr. G. R. G.	4.25 51	epn	Pn	21 37 25.3 +0.3		
KBA	Koelnbreinsper	4.20 314	epn	Pn	21 37 25.8 +0.1		
VYHS	Vyhne	4.34 8	epn	Pn	21 37 26.3 +0.2		
VYHS	Vyhne	4.34 8	epn	Sb	21 37 37.9 -0.6		
VYHS	Vyhne	4.34 8	epn	Lg	21 38 17.6 0.0		
LOT	Lotru	4.35 71	epn	Pn	21 37 25.4 -1.0		
MOA	Molln	4.44 326	epn	Pn	21 37 28.6 +1.1		
MOA	Molln	4.44 326	epn	Sn	21 38 19.4 -0.2		
VRAC	Vranov	5.18 350	S	Sn	21 38 38.5 +0.6		
CRVS	Cervenica-Dubn	5.30 26	epn	Pn			

Error ellipse: s-maj=16.1km s-min=9.0km az=159.0
ISC 05 21:42:35.3,2.7,42.4N,01.8179E,0.09,h10km,n8,
e158/14,3C-3D,Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SHLS, PDGK, UZB, DJR, KPKS, KAPS, MK31, etc.

IDC 05 21:47:50.1s,3.2,36.89S;179.57E,h0km,mb3.5/2,
mb1 3.7/3,mb1mx3.5/42,mbtrmp3.5/3,ML3.0,Error
ellipse: s-maj=77.8km s-min=34.4km az=134.0

WEL 05 21:48:24.7,38.10S,10.18W,0.1,0,h3km,ML3.6/6
ISC 05 21:48:13.8,2.1,36.9S,02.1798E,0.2,h200km,n18,
e268/21,Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MXZ, WMGZ, PKGZ, PUZ, HAZ, TWGZ, etc.

ISC/JB 05 21:51:22.8,0.3,19.11N,0.02:69.61W,0.02,h81km,3km,
mb4.3/114,Error ellipse: s-maj=4.3km s-min=2.1km
az=20.0

IDC 05 21:51:23.1s,1.8,19.17N;69.57W,h70km,19km,mb4.0/20,
mb1 4.2/24,mb1mx3.9/56,mbmp4.4/24,MS3.3/8,
Ms1 3.3/8,ms1mx2.8/61,Error ellipse: s-maj=20.2km
s-min=10.3km az=11.0

NEIC 05 21:51:24.9,0.2,19.10N;69.60W,h85km,3km,mb4.4/114,
Error ellipse: s-maj=4.6km s-min=2.5km az=20.4

NEIC Felt [J] at San Pedro de Macoris and Santo Domingo.
Also felt at Fajardo, Las Terreras and Villa Rica

ISC 05 21:52:20.8,0.8,19.15N,0.05:69.61W,0.04,h69km,8km,
n517,e1831/536,mb4.4/114,Dominican Republic region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include SDD, SDJ, AGP, MPR, MPR, GRTK, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MGG, MDPO, MDPO, MDPO, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include Y51A, Y51A, Y51A, Y51A, etc.

344A	Westbrook Farm	22.64 307	P	P	21 56 20.7 +2.1
T49A	Edmonton	22.68 325	P	P	21 56 19.5 +0.5
X46A	Booneville	22.78 316	P	P	21 56 20.5 +0.4
U48A	Cassie Pea, Po	22.81 323	P	P	21 56 20.5 +0.2
V47A	Nunnelly	22.92 320	P	P	21 56 21.5 0.0
R50A	Paris	22.96 329	P	P	21 56 22.7 +0.9
Y45A	Yeager Farm, C	23.02 314	P	P	21 56 23.2 +0.7
S49A	Springfield	23.06 327	P	P	21 56 23.2 +0.4
Q51A	Peebles	23.10 332	P	P	21 56 23.7 +0.5
T48A	Bowling Green	23.15 324	P	P	21 56 24.3 +0.5
U47A	Clarksville	23.20 322	P	P	21 56 24.2 +0.1
X45A	UM Field Stati	23.24 315	P	P	21 56 24.0 -0.6
Q50A	Georgetown	23.24 331	P	P	21 56 25.2 +0.6
V46A	Holladay	23.27 319	P	P	21 56 24.8 0.0
OXF	Oxford	23.30 315	eP	P	21 56 25.9 +0.8
OXF	Oxford	23.30 315	P	P	21 56 25.9 +0.8
WXT	Waverly	23.31 320	eP	P	21 56 25.3 +0.1
WVT	Waverly	23.31 320	P	P	21 56 25.5 +0.3
S48A	Wiedeman Farm,	23.37 325	P	P	21 56 25.7 0.0
R49A	Shelbyville	23.39 328	P	P	21 56 25.9 0.0
T47A	Sharon Grove	23.47 323	eP	P	21 56 27.1 +0.4
T47A	Sharon Grove	23.47 323	P	P	21 56 26.4 -0.3
N54A	Moraine State	23.48 340	P	P	21 56 27.4 +0.7
U46A	Springville	23.67 320	P	P	21 56 28.4 -0.1
S47A	Hartford	23.77 324	P	P	21 56 29.3 -0.1
P50A	Jamestown	23.78 332	P	P	21 56 30.3 +0.8
Q49A	Aurora	23.80 329	P	P	21 56 30.4 +0.8
R48A	Northridge Ran	23.82 327	P	P	21 56 30.5 +0.6
WCI	Wyandotte Cave	23.92 326	eP	P	21 56 31.7 +1.0
WCI	Wyandotte Cave	23.92 326	P	P	21 56 31.4 +0.7
T46A	Princeton	23.96 322	P	P	21 56 31.7 +0.6
U45A	Rockin P Farm,	24.02 319	P	P	21 56 32.8 +1.2
R47A	Wooly Knot Far	24.09 326	P	P	21 56 32.6 +0.3
P49A	Miami Univ. Ec	24.14 330	P	P	21 56 33.1 +0.5
O50A	Cable	24.14 333	P	P	21 56 32.8 +0.1
Q48A	North Vernon	24.16 328	P	P	21 56 33.6 +0.7
SFTN	Shelby Forest	24.20 316	eP	P	21 56 31.8 -1.5
S46A	Don Dixon Farm	24.30 323	P	P	21 56 34.4 +0.2
P48A	Milroy	24.41 329	P	P	21 56 35.2 0.0
341A	Kurthwood	24.46 304	eP	P	21 56 37.0 +1.4
341A	Kurthwood	24.46 304	P	P	21 56 36.4 +0.7
N50A	Nevada	24.47 335	P	P	21 56 37.8 +2.2
USIN	University of	24.47 324	eP	P	21 56 36.6 +0.9
Q47A	Bedord North L	24.51 327	P	P	21 56 36.8 +0.7
R46A	Gibson Southern	24.56 324	P	P	21 56 37.1 +0.6
S45A	Carrier Mills	24.79 322	P	P	21 56 39.4 +0.8
O48A	Farmland	24.92 331	P	P	21 56 40.0 +0.3
R45A	Skylat, Fairri	25.05 323	P	P	21 56 41.4 +0.4
U43A	Rector	25.06 317	P	P	21 56 41.8 +0.7
SIUC	Southern Illin	25.19 321	eP	P	21 56 43.1 +0.8
S44A	Carbondale	25.20 321	P	P	21 56 42.9 +0.5
OLIL	Oiley	25.25 324	eP	P	21 56 42.9 0.0
PBMO	Poplar Bluff	25.33 318	eP	P	21 56 44.3 +0.7
V42A	Cord	25.37 315	P	P	21 56 44.2 +0.3
Q45A	Warren Harvey,	25.40 325	P	P	21 56 44.4 +0.3
P46A	Rosedale	25.42 327	P	P	21 56 45.8 +0.6
T43A	Greenville	25.43 319	P	P	21 56 46.5 +2.0
R44A	Waltonville	25.47 322	P	P	21 56 45.2 +0.4
U42A	Reverend	25.59 316	P	P	21 56 46.8 +0.7
W41B	Gary Mavity, V	25.60 313	eP	P	21 56 46.8 +0.8
W41B	Gary Mavity, V	25.60 313	P	P	21 56 46.5 +0.5
S43A	Fulton Ridge,	25.61 320	P	P	21 56 46.4 +0.3
P45A	Graceland, Par	25.64 326	eP	P	21 56 47.2 +0.9
P45A	Graceland, Par	25.64 326	P	P	21 56 46.9 +0.6
X40A	Basin Creek Fa	25.66 311	eP	P	21 56 47.5 +0.9
X40A	Basin Creek Fa	25.66 311	P	P	21 56 47.0 +0.5
WHAR	Wooly Hollow	25.69 313	eP	P	21 56 47.5 +0.6
M48A	Edgerton	25.72 333	P	P	21 56 49.8 +2.8
NATX	Nacogdoches	25.80 304	eP	P	21 56 49.4 +1.6
NATX	Nacogdoches	25.80 304	P	P	21 56 49.0 +1.2
L49A	Milan	25.85 335	P	P	21 56 49.0 +0.8
V41A	Mountainview	25.88 314	P	P	21 56 49.0 +0.5
Q44A	Meyer Farm, Va	25.88 324	P	P	21 56 48.7 +0.1
T42A	Van Buren	25.90 318	eP	P	21 56 49.9 +1.2
T42A	Van Buren	25.90 318	P	P	21 56 49.6 +0.9
SFIN	Lafayette	25.94 328	P	P	21 56 49.9 +0.8
L48A	N Adams	25.98 334	P	P	21 56 52.1 +2.7
R43A	Red Bud	25.98 321	P	P	21 56 49.5 +0.1
U41A	Viola	26.03 316	P	P	21 56 52.8 +2.8
P44A	Sand Creek, Wi	26.06 325	P	P	21 56 50.8 +0.7
FVM	French Village	26.09 320	eP	P	21 56 53.1 +2.7
HKT	Hockley	26.10 299	eP	P	21 56 51.8 +1.2
N46A	Monticello	26.16 330	P	P	21 56 51.5 +0.4
S42A	Caledonia	26.18 320	P	P	21 56 51.0 -0.2

W40A	Ferguson Farm,	26.18 312	P	P	21 56 53.2 +1.9
MIAR	Mount Ida	26.21 311	P	P	21 56 51.7 +0.1
Q43A	New Douglas	26.30 323	P	P	21 56 52.7 +0.4
V40A	Witts Springs	26.34 314	eP	P	21 56 53.6 +0.9
V40A	Witts Springs	26.34 314	P	P	21 56 53.4 +0.6
T41A	Mountain Vie	26.34 317	P	P	21 56 53.7 +0.9
O44A	Mansfield	26.47 326	P	P	21 56 54.1 +0.3
N45A	Kentland	26.50 328	P	P	21 56 54.3 +0.2
R42A	Luebbering	26.50 320	P	P	21 56 54.5 +0.4
CCM	Cathedral Cave	26.63 320	eP	P	21 56 56.3 +1.0
CCM	Cathedral Cave	26.63 320	P	P	21 56 56.1 +0.7
S41A	Jillico Farms,	26.66 318	P	P	21 56 55.7 +0.2
U40A	Yellville	26.66 315	P	P	21 56 56.4 +0.7
P43A	Skaggs, Pawnee	26.68 324	P	P	21 56 56.3 +0.6
W39A	Magazine	26.69 312	P	P	21 56 56.7 +0.9
Q42A	Golden Eagle	26.76 322	P	P	21 56 56.7 +0.3
N44A	Piper City	26.77 328	P	P	21 56 56.6 0.0
R41A	Rosebud	26.87 320	P	P	21 56 57.4 -0.1
T40A	Mansfield	26.89 317	P	P	21 56 58.3 +0.6
V39A	Pettigrew	26.92 313	P	P	21 56 58.4 +0.4
O43A	Sugar Creek Fa	27.02 325	P	P	21 56 59.2 +0.5
U39A	Green Forest	27.10 314	P	P	21 56 59.9 +0.3
P42A	Winchester	27.10 323	eP	P	21 56 59.2 -0.3
P42A	Winchester	27.10 323	P	P	21 56 59.5 0.0
S40A	Lebanon	27.14 317	P	P	21 57 00.1 +0.2
Q41A	Truxton	27.20 321	P	P	21 57 00.6 +0.2
HHAR	Hobbs	27.36 314	eP	P	21 57 00.5 +3.1
T39A	Cleves	27.38 315	P	P	21 57 02.5 +0.4
R40A	Maddies Statio	27.41 319	eP	P	21 57 02.0 -0.3
R40A	Maddies Statio	27.41 319	P	P	21 57 01.9 -0.3
TLIG	Tilapa	27.52 271	eP	P	21 57 08.6 +5.0
P41A	Barry, Barry	27.57 322	P	P	21 57 03.2 -0.5
M43A	Waltham Townsh	27.67 328	P	P	21 57 04.4 -0.1
L44A	Lake County Fo	27.71 330	P	P	21 57 04.8 -0.2
S39A	Bolivar	27.73 317	eP	P	21 57 07.5 +2.3
S39A	Bolivar	27.73 317	P	P	21 57 05.1 -0.1
Q40A	Laux Farm, Aux	27.73 320	P	P	21 57 05.0 -0.2
O41A	Passleys Farm,	27.76 323	P	P	21 57 04.7 -0.7
435B	Jarrell	27.80 300	eP	P	21 57 06.7 +0.8
P40A	Paris	28.05 321	eP	P	21 57 07.9 -0.2
P40A	Paris	28.05 321	P	P	21 57 07.8 -0.2
Q39A	Willow Grove F	28.31 319	P	P	21 57 09.9 -0.4
O40A	La Belle	28.34 322	P	P	21 57 10.2 -0.3
R38A	Fenwick Farm,	28.39 317	P	P	21 57 10.9 -0.1
TUL1	Leonard	28.46 311	eP	P	21 57 11.6 -0.1
TUL1	Leonard	28.46 311	P	P	21 57 11.6 -0.1
SAML	Samuel	28.64 167	eP	P	21 57 10.8 -2.6
Q38A	Cooks Store, C	28.66 319	P	P	21 57 13.3 -0.1
K42A	Prairie Point,	28.86 329	P	P	21 57 15.5 +0.3
J43A	Natural Harves	28.88 331	P	P	21 57 15.5 +0.2
P38A	Dawn	29.01 320	P	P	21 57 16.1 -0.4
I43A	Langentfeld Bro	29.15 332	P	P	21 57 18.2 +0.5
L40A	Anamosa	29.29 326	P	P	21 57 18.7 -0.3
JFWS	Jewell Farm	29.40 328	eP	P	21 57 20.4 +0.4
JFWS	Jewell Farm	29.40 328	P	P	21 57 20.1 +0.1
P37A	Lathrop	29.49 319	P	P	21 57 20.6 -0.2
I42A	Draeger Farm,	29.50 331	eP	P	21 57 21.4 +0.5
I42A	Draeger Farm,	29.50 331	P	P	21 57 21.3 +0.5
J40A	Soldiers Grove	30.00 328	P	P	21 57 25.6 +0.3
ABTX	Ablene, Hawle	30.05 302	eP	P	21 57 26.3 +0.4
ABTX	Ablene, Hawle	30.05 302	P	P	21 57 25.8 -0.1
WMOK	Wichita Mounta	30.14 307	eP	P	21 57 26.3 -0.4
WMOK	Wichita Mounta	30.14 307	P	P	21 57 26.3 -0.4
I40A	Norwalk	30.30 329	P	P	21 57 28.1 +0.1
G42A	Mountain	30.35 333	P	P	21 57 28.7 +0.4
N36A	Muff Farm, Cla	30.60 320	P	P	21 57 30.7 +0.1
H40A	Chili	30.74 330	P	P	21 57 32.1 +0.3
M36A	Felix, Anita	30.89 321	P	P	21 57 33.3 +0.1
F41A	Three Lakes	31.03 333	P	P	21 57 34.9 +0.6
K37A	Belmond	31.08 324	P	P	21 57 34.6 -0.2
G40A	Rib Lake	31.15 331	P	P	21 57 35.7 +0.3
H39A	Augusta	31.21 329	P	P	21 57 36.0 +0.1
L36A	Harm Buss Farm	31.22 323	P	P	21 57 36.1 0.0
I38A	Scanlan Farm,	31.26 328	P	P	21 57 36.4 0.0
J37A	Redelius Farm,	31.40 325	P	P	21 57 37.6 0.0
G39A	Holcombe	31.61 330	P	P	21 57 39.6 +0.2
NNA	Nappa	31.75 194	LR	LR	22 12 42.1
I37A	Lemond, Waseca	31.80 326	P	P	21 57 41.3 +0.2
J36A	Seneca 1, Swea	31.84 325	P	P	21 57 41.4 0.0
G38A	Ridgeland	31.84 330	P	P	21 57 42.0 +0.5
E40A	Wakfield	31.93 333	P	P	21 57 42.8 +0.6
H37A	Dierke Farm, C	31.95 328	P	P	21 57 42.7 +0.3
F39A	Loretta	31.97 331	P	P	21 57 42.9 +0.4
E39A	Melien	32.16 332	P	P	21 57 44.8 +0.5

F38A	Pierce - Schro	32.44 330	P	P	21 57 47.2 +0.5
H36A	Jessenland, He	32.46 327	P	P	21 57 47.2 +0.3
LTX	Lajitas	32.56 295	eP	P	21 57 47.5 -0.6
TX31	Lajitas Ar. Si	32.56 295	eP	P	21 57 48.2 +0.2
TXAR	Lajitas Array	32.56 295	P	P	21 57 47.5 -0.6
TXAR	comp=Z,14nm,18.2s,baz=107,slow=8.4,SNR=8.6		LR	LR	22 13 50.0
MXST	Muleshoe	32.96 303	eP	P	21 57 51.2 -0.3
MXST	Muleshoe	32.96 303	P	P	21 57 51.0 -0.6
H35A	Sunnyside Ranc	33.01 326	P	P	21 57 51.4 -0.3
ECSB	EROS Data Cent	33.36 323	eP	P	21 57 54.5 -0.3
ECSB	EROS Data Cent	33.36 323	P	P	21 57 54.7 -0.1
C38A	Sawbill Land.	33.51 333	P	P	21 57 55.8 -0.2
D37A	Cotton	33.59 331	P	P	21 57 57.1 +0.4
D36A	Goodland	33.94 331	eP	P	21 58 00.2 +0.5
D36A	Goodland	33.94 331	P	P	21 58 00.1 +0.3
MNTX	Cornudas Mount	34.48 298	eP	P	21 58 04.8 +0.1
MNTX	Cornudas Mount	34.48 298	P	P	21 58 05.2 +0.6
B35A	Bob, LITTLEOR	35.07 332	P	P	21 58 09.2 -0.3
AGMN	Agassiz Station	36.01 330	P	P	21 58 17.1 -0.4
BNM	Barren Site	36.08 302	eP	P	21 58 19.4 +0.8
ANMO	Albuquerque	36.15 303	P	P	21 58 19.5 +0.3
ANMO	comp=Z,30nm,18.9s,baz=66,slow=40		LR		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MVO Moncorvo, PBRG Braganca, ESDC Sonseca Array, etc.

ASAR Alice Springs 157.6254 PKPab PKPab 22 11 45.3 +0.3

IDC 05 21:55:06.2, 8.37, 205S, 179.89E, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.6/42, mbtmp3.5/3, ML3.3/1, Error ellipse: s-maj=99.5km s-min=31.6km az=151.0

WEL 05 21:55:09.2, 1.3, 38 S, 11 x 18 09E, h33km, ML3.7/10, ICS 05 21:55:08.1, 2.7, 37.5S, 0.1 x 179.9E, 0.1, h15km, 1.3km, n17, o153Z/27, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waiomatatini S, WMGZ Waiomatatini S, MXZ Matakaoa Point, etc.

IDC 05 22:04:34.5, 29.0, 18.97S, 175.41W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.7/49, mbtmp4.1/4, Error ellipse: s-maj=566.2km s-min=145.4km az=88.0, Tonga Islands

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

IDC 05 22:11:01.5, 2.1, 0.43N, 126.66E, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.4/53, mbtmp3.6/3, Error ellipse: s-maj=180.6km s-min=26.4km az=66.0, Northern Molucca Sea

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

ISN 05 22:13:32.0, 0.3, 37.36N, 143.01E, h0km, ML2.9, ICSJB 05 22:13:33.6, 0.6, 37.47N, 143.01E, 0.03, h8km, 6km, Error ellipse: s-maj=8.2km s-min=3.9km az=174.1

DDA 05 22:13:33.6, 37.48N, 142.98E, h7km, ML3.3, ICS 05 22:13:33.4, 37.46N, 142.98E, h13km, ML2.9, ISN 05 22:13:33.8, 1.3, 37.48N, 143.00E, 0.02, h9km, 11km, n15, o4557/31, Turkey

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

NIED 05 22:28:00.39, 80N, 142.30E, h8km, Mw3.8 Best double couple: M5.08000, 1014 NP1.308, 00000, 866.00000, lambda=15.00000, NP2.44, 00000, 876.00000, lambda=15.00000

IDC 05 22:28:11.1, 0.9, 39.87N, 142.19E, h0km, mb3.9/14, mb1 3.9/19, mb1mx3.7/79, mbtmp3.9/19, ML3.8/4, MS2.6/2, Ms1 2.6/2, ms1mx2.3/63, Error ellipse: s-maj=22.3km s-min=15.7km az=97.0

ISN 05 22:28:12.4, 0.8, 39.79N, 142.25E, 0.07, h26km, 4km, mb4.1/23, Error ellipse: s-maj=8.8km s-min=4.0km

JMA 05 22:28:12.4, 0.9, 39.77N, 142.28E, h22km, 1km, M4.0, JMA Feil JJ, NEIC 05 22:28:15.8, 1.7, 39.86N, 142.17E, h33km, 12km, mb4.3/10, Error ellipse: s-maj=8.8km s-min=5.3km az=115.0

NEIC Recorded [4 JMA] in Iwate, ICS 05 22:28:12.4, 1.6, 39.79N, 142.26E, 0.07, h14km, 9km, n66, o1511/70, mb4.1/23, Near east coast of eastern Honshu

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

MJAR Matsushiro Arr 4.55 226 Pn 22 29 23.0 +2.1

MJB9 Matsu-Tunnel 4.55 226 ePn 22 29 23.0 +2.1

MAJO Matsushiro 4.55 226 ePn 22 29 23.0 +2.1

MAJ Matsushiro 4.55 226 Pn 22 29 23.0 +2.1

INU Inuyama 6.08 225 Pn 22 29 55.0 +1.2

JHU Hachijo jima 2 6.95 197 Pn 22 29 10.9 -1.7

YSS Yuzh-Sakhalins 7.17 133 Pn 22 29 57.5 +0.7

USRK Ussuriysk Arr. 8.83 303 Pn 22 30 18.6 -1.0

JNU Nakatsue 11.32 238 LR 22 30 25.0

KRSR Korea Array 11.46 263 Pn 22 30 57.1 +1.5

KSRS comp=Z, 26nm, 18.8s, baz=105, slow=36, S, LR 22 30 57.1 +1.1

KS15 Wonju Arr S1 11.49 263 Pn 22 30 57.1 +1.1

KSAR Wonju Arr B 11.49 263 Pn 22 30 57.1 +1.1

SONA1 Songino Array 26.90 299 ePn 22 33 50.6 -2.5

SONA0 Songino Array 26.91 299 ePn 22 33 52.9 -0.2

SONM Songino Array 26.91 299 Pn 22 33 52.9 -0.2

H1N2 WAKE ISLAND Hy 29.12 126 T 23 04 46.3

H1N1 WAKE ISLAND Hy 29.12 126 T 23 04 47.1

H1N3 WAKE ISLAND Hy 29.12 126 T 23 04 47.6

H1S1 WAKE ISLAND Hy 29.12 126 T 23 05 46.4

H1S2 WAKE ISLAND Hy 29.12 126 T 23 05 47.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like INK Inuvik, INK Inuvik, KK31 Karatay Array, etc.

WRA Warramunga Arr 58.88 189 P 22 38 17.3 -0.5

AS31 Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

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ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

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ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

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ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

ASAR Alice Springs 63.60 189 P 22 38 45.7 +2.8

MOS 05 22:31:00.0, 1.2, 52.33N, 159.42E, h34km, mb4.2/1, Error ellipse: s-maj=11.5km s-min=4.6km az=90.4

KRSK 05 22:31:00.0, 1.2, 52.40N, 159.30E, h34km, 14km, ML4.0, 2D, Off east coast of Kamchatka Peninsula

Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RUS Russkaya, RUS Russkaya, etc.

RUS Russkaya 0.60 274 ePn 22 31 17.7 +0.6

RUS Russkaya 0.60 274 Pn 22 31 20.0 +0.5

RUS Russkaya 0.60 274 Pn 22 31 11.7 +0.6

RUS Russkaya 0.60 274 Pn 22 31 20.0 +0.5

RUS Russkaya 0.60 274 Pn 22 31 11.7 +0.6

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

IDC 05 22:31:07.8-4.6, 22:97N:141.52E, h0km, mb4.0/6, mb1.4 0.7, mb1mx3.571, mbtmp4.0/7, ML3.5/1, MS2.9/1, Ms1.2.9/1, ms1mx2.1/56, Error ellipse: s-maj=175.6km s-min=71.4km az=26.0, Volcano Islands region

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

ISC/JB 05 22:38:11.9-0.5, 39.09N:0.04-29.13E, h10km, 4km, Error ellipse: s-maj=7.1km s-min=4.2km az=169.4 DDA 05 22:38:11.7, 39.08N:29.12E, h7km, M12.3 ISC 05 22:38:11.4, 39.14N:29.14E, h7km, MD2.5/2

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

BUJ 05 22:40:44.8, 16.72S:173.40W, h53km, mb5.0/10, mB5.4/5, Ms4.8/2, Ms7.4/62 NEIC 05 22:40:46.4-0.7, 16.60S:173.69W, h41km, gkm, mb4.8/136, Error ellipse: s-maj=5.4km s-min=2.7km az=131.0 IDC 05 22:40:46.3-2.3, 16.61S:173.66W, h42km, 21km, mb4.4/23, mb1.4 5/25, mb1mx3.3/56, mbtmp4.6/25, ML4.7/4, MS3.5/15, Ms1.3.5/15, ms1mx3.3/39, mbtmp4.6/25, Error ellipse: s-maj=15.6km s-min=10.7km az=140.0 ISC/JB 05 22:40:47.4-0.1, 16.61S:0.04-173.75W:0.04, h66km, 62.4/7157, Error ellipse: s-maj=3.3km s-min=3.3km

ISC 05 22:40:48.6-0.3, 16.58S:0.05-173.57W:0.06, h66km, n376, s1913/359, mb4.7/157, 3C, Tonga Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI, AFI, NIUE, RAO, RAR, RAR, KANTON, MONT, DZM, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like FITZ, FITZ, FITZ, BATI, SBA, VANDA, MBWA, MEEK, KLBR, BLDU, DAV, SAO, KKM, ARVC, KMRM, YES, BFSC, GSPA, GSPA, MONP, EDW, IKP, O02D, ISA, ISA, FRD, PETK, PEAI, SRIG, CMB, LPIG, KRMB, PFO, TPFO, XPFO, AFDM, WDC, LRMC, LRMC, O03D, CWC, M02C, BELC, MPMC, GSC, GSC, DAC, BAC, HEC, WAKR, YBH, YBH, YBH, K02D, BEKR, GMTR, YERR, HUMO, IRM, GRAC, FURC, M04C, L04D, TUQ, SHOC, Y12C, Y12C, RYN, NV01, NVAR, NVAR, PAHR, NV11, 214A, KVN, TPNV, PDMO, I04A, MOD, SHPR, K05A, H04D, J05D, KRSR

6d 0h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KOWA, ARCESS Array B, NRK, Noril'sk, DBIC, etc.

TIR 05 23:04:44.1, 41.05N, 21.31E, h6km, Md2.5/3
SKO 05 23:04:44.1, 41.05N, 21.34E, h20km, M1.3, ML1.7
ISC 05 23:04:44.2, 1.3, 41.05N, 0.04, 21.34E, 0.08, h17km, 1.0km, n5, c03/5, 10, 2C, Northwestern Balkan Peninsula

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

KRSC 05 23:26:58.3, 2.4, 47.81N, 155.04E, h180km, 46km, ML4.5
MOS 05 23:27:01.7, 1.2, 48.40N, 153.81E, h179km, mb4.6/1, Error ellipse: s-maj=32.7km s-min=9.1km az=71.6
IDC 05 23:27:01.1, 5.2, 48.28N, 153.32E, h142km, 60km, mb3.2/6, mb1 3.3/7, mb1mx3.0/66, mbtmp3.6/7, Error ellipse: s-maj=64.2km s-min=21.3km az=66.0

ISCJB 05 23:27:03.0, 0.6, 48.4N, 0.1, 154.1E, 1.0, 2, h200km, mb3.1/6, Error ellipse: s-maj=21.1km s-min=6.1km az=43.3
ISC 05 23:27:03.4, 1.6, 48.3N, 0.2, 154.4E, 0.2, h200km, n33, c1829/32, mb3.3/6, Kuril Islands

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

ISCN 05 23:40:22.5, 0.8, 37.40N, 43.00E, h0km, 3km, ML3.1
ISCJB 05 23:40:23.9, 0.6, 37.49N, 0.06, 42.99E, 0.03, h1km, 7km, Error ellipse: s-maj=9.8km s-min=4.2km az=177.4
DDA 05 23:40:23.7, 37.47N, 42.99E, h7km, M1.3
ISK 05 23:40:23.6, 37.47N, 42.98E, h9km, ML2.9/4
ISC 05 23:40:24.0, 1.1, 37.48N, 0.05, 42.98E, 0.03, h10km, 11km, n19, c05/66/30, Turkey

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

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Table with columns: SVAN, Silvan-Diyarba, 1.56 296 PN, 23 40 51.9 0.0, etc.

ISCN 05 23:45:07.4, 1.2, 37.37N, 43.00E, h0km, 6km, ML2.5
ISCJB 05 23:45:09.0, 0.7, 37.37N, 0.05, 42.99E, 0.04, h3km, 7km, Error ellipse: s-maj=8.1km s-min=5.5km az=6.5
DDA 05 23:45:08.8, 37.49N, 42.97E, h7km, M1.2, 5
ISK 05 23:45:08.8, 37.49N, 42.97E, h6km, ML2.6/3
ISC 05 23:45:08.8, 1.3, 37.49N, 0.06, 42.99E, 0.04, h7km, 12km, n9, c06/68/16, Turkey

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

ISCJB 05 23:47:53.4, 0.3, 40.55S, 0.07, 45.27E, 0.09, h10km, mb4.3/25, MS3.7/12, Error ellipse: s-maj=12.1km s-min=7.7km az=135.6

IDC 05 23:47:53.5, 0.6, 40.52S, 45.28E, h0km, mb4.0/13, mb1 4.1/13, mb1mx3.3/33, mbtmp3.4/13, MS3.7/12, M1.3 6/12, ms1mx3.0/50, Error ellipse: s-maj=21.2km s-min=16.3km az=47.0
NEIC 05 23:47:55.2, 0.2, 40.54S, 45.27E, h10km, mb4.6/15, Error ellipse: s-maj=8.9km s-min=5.6km az=225.0
ISC 05 23:47:55.1, 0.5, 40.53S, 0.09, 45.23E, 0.10, h10km, n56, c05711/38, mb4.3/25, MS3.7/12, Southwest Indian Ridge

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNA, SNA, H0S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H0S, H0S, H0S, etc.

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

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Table with columns: DZM, Mont Dzumac, 97.15 127 LR, LR, 00 37 01.7, etc.

ISCJB 06 00:04:16.7, 0.4, 6.82N, 0.03, 73.73W, 0.03, h157km, 3km, mb3.6/9, Error ellipse: s-maj=6.3km s-min=4.9km az=138.1
IDC 06 00:04:17.6, 0.7, 6.82N, 73.00W, h156km, 8km, mb3.3/8, mb1 3.6/11, mb1mx3.3/47, mbtmp3.8/11, Error ellipse: s-maj=18.2km s-min=7.8km az=132.0
RSNC 06 00:04:19.9, 1.0, 6.77N, 73.15W, h140km, 5km, ML3.6, M4.0

ISC 06 00:04:17.5, 0.7, 6.82N, 0.04, 73.11W, 0.04, h152km, 5km, n35, c102/48, mb3.6/12, 2C-1D, Northern Colombia

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

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

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

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

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

ISCN 06 00:16:02.9, 1.0, 37.41N, 43.05E, h0km, 3km, ML2.7
ISCJB 06 00:16:02.9, 0.6, 37.52N, 0.04, 42.99E, 0.03, h1km, 6km, Error ellipse: s-maj=6.2km s-min=4.0km az=0.8
DDA 06 00:16:02.5, 37.53N, 42.98E, h7km, M1.3
ISK 06 00:16:02.9, 37.47N, 42.97E, h6km, ML2.8/3
ISC 06 00:16:02.9, 1.1, 37.50N, 0.04, 42.99E, 0.02, h5km, 11km, n18, c0571/30, Turkey

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

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, P, M, L, R, S, SS, e, i, p, m, max).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, P, M, L, R, S, SS, e, i, p, m, max).

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, P, M, L, R, S, SS, e, i, p, m, max).

6d 4h

Table with columns: GMRC, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Granite Mounta, Ford Ranch, Pinyon Flats, Casper, Monument Peak, Iron Mountain, Black Hills, etc.

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Table with columns: TIC, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Toumodi, Lamto, Sanae, etc.

JMA 06 03:29:48.6-0.3, 29.39N x 130.30E, h49km, Ryukyu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Yakushimahirau, Nakanoshima, Kuchinoerabu, etc.

JMA 06 03:42:39.5-0.2, 29.42N x 130.75E, h34km x 4km, M4.1

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Yakushimahirau, Nakanoshima, Kuchinoerabu, etc.

JMA 06 03:42:41.1-1.3, 29.47N x 130.69E, 0.08, h44km x 11km, n50, c147/56, mb3.9/17, Ryukyu Islands

Large table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Yakushimahirau, Nakanoshima, Kuchinoerabu, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like Bajamar, Taburiente, Osoorio, etc.

IDC 06 04:01:53.1-1.9, 21.167N x 94.87E, h126km x 17km, mb3.7/22, mb1.3/24, mb1mx3.5/70, mbtmp4.1/24, Error ellipse: s-maj=20.2km s-min=10.8km az=57.0

ISC/JB 06 04:01:56.0-0.5, 21.91N x 0.04-94.54E, 0.04, h150km, mb3.8/22, Error ellipse: s-maj=6.6km s-min=4.8km az=39.8

ISC 06 04:01:56.5-0.7, 21.31N x 0.06-94.53E, 0.06, h150km, n51, c25/47.1, mb4.0/22, Myanmar

Large table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Phase, ID, Time, Residuals. Includes stations like SAIH, BELONIA, KOHIMA, etc.

FWVZ	Far West T-bar	1.16 196	P	Pn	05 07 10.1 +0.3
FWVZ		1.16 196	P	S	05 07 35.4 -0.3
RAHZ	Arahi	1.17 132	S	Pn	05 07 10.4 +0.8
RAHZ		1.17 132	S	S	05 07 34.4 -0.8
DRZ	Dome Shelter	1.18 196	ePn	Pn	05 07 10.9 +0.9
DRZ		1.18 196	ePn	S	05 07 11.4 +1.4
WHVZ	Whangahau Hut	1.18 195	Pn	Pn	05 07 10.5 +0.6
WHVZ		1.18 195	Pn	Pn	05 07 10.3 +0.4
RAGZ	Rawiri	1.19 108	Pn	Pn	05 07 10.0 +0.2
RAGZ		1.19 108	Pn	Pn	05 07 10.0 +0.2
TRVZ	Turoa	1.20 196	ePn	Pn	05 07 34.0 -1.6
TRVZ		1.20 196	ePn	S	05 07 10.6 +0.5
WNVZ	Wahianoa	1.22 194	ePn	Pn	05 07 35.4 -0.8
WNVZ		1.22 194	ePn	S	05 07 10.7 +0.5
MKAZ	Moumakai	1.22 328	ePn	Pn	05 07 10.5 +0.4
MKAZ		1.22 328	ePn	S	05 07 10.5 +0.4
MWZ	Matawai	1.24 99	ePn	Pn	05 07 10.1 -0.1
MWZ		1.24 99	ePn	S	05 07 34.2 -1.9
MWZ		1.24 99	ePn	S	05 07 38.3
MWZ	Matawai	1.24 99	P	Pn	05 07 10.1 -0.1
MWZ		1.24 99	P	Pn	05 07 10.8 +0.6
PKVZ	Pokaka	1.25 121	Pn	Pn	05 07 10.8 +0.6
PKVZ		1.25 121	Pn	Pn	05 07 10.8 +0.7
SNVZ	Shannon Statio	1.25 121	Pn	Pn	05 07 10.8 +0.6
SNVZ		1.25 121	Pn	Pn	05 07 10.8 +0.7
MOVZ	Moawhango	1.27 188	ePn	Pn	05 07 34.6 -1.6
MOVZ		1.27 188	ePn	S	05 07 10.7 +0.2
MOVZ	Moawhango	1.27 188	P	Pn	05 07 10.7 +0.2
11VZ	Mangateiti	1.30 120	Pn	Pn	05 07 11.4 +1.4
KWVZ	Kaweka Forest	1.33 165	Pn	Pn	05 07 11.7 +0.8
BHVZ	Black Hill Sta	1.35 177	Pn	Pn	05 07 11.3 +0.3
BHVZ		1.35 177	Pn	Pn	05 07 11.3 +0.4
KBAZ	Karaka Road Bo	1.35 320	Pn	Pn	05 07 11.5 +0.5
RUVZ	Raukumara Rang	1.36 134	Pn	Pn	05 07 11.9 +0.9
WHVZ	Wahia	1.37 224	Pn	Pn	05 07 11.9 +0.9
VRZ	Vera Road	1.37 224	Pn	Pn	05 07 11.9 +0.9
VRZ		1.37 224	Pn	Pn	05 07 12.0 +1.0
ARHZ	Aroapaonui	1.38 145	Pn	Pn	05 07 12.2 +1.1
ARHZ		1.38 145	Pn	Pn	05 07 12.2 +1.1
KUVZ	Kuatoitu	1.41 352	Pn	Pn	05 07 11.4 -0.1
KUVZ		1.41 352	Pn	Pn	05 07 11.4 -0.1
MCHZ	McNeill Hill	1.42 157	Pn	Pn	05 07 12.8 +1.3
MCHZ		1.42 157	Pn	Pn	05 07 12.8 +1.3
ETAZ	East Tamaki Re	1.45 325	Pn	Pn	05 07 12.1 +0.3
HVZ	Te Kaha	1.48 75	Pn	Pn	05 07 11.0 -1.0
HVZ		1.48 75	Pn	Pn	05 07 12.0 +0.4
TKVZ	Te Karaka	1.50 102	Pn	Pn	05 07 12.6 +0.5
TKVZ		1.50 102	Pn	Pn	05 07 12.6 +0.5
WVZ	Waiheke Island	1.50 335	Pn	Pn	05 07 12.6 +0.4
WVZ		1.50 335	Pn	Pn	05 07 12.8 +0.5
KVRZ	Kereru	1.51 168	Pn	Pn	05 07 13.2 +0.8
TRVZ	Tauwhareparae	1.52 328	Pn	Pn	05 07 13.2 +0.3
TRVZ		1.52 328	Pn	Pn	05 07 13.2 +0.3
KNVZ	Kokohu	1.59 124	ePn	Pn	05 07 13.5 +0.6
KNVZ		1.59 124	ePn	S	05 07 39.5 -1.6
KNVZ		1.59 124	ePn	S	05 07 13.5 +0.6
EPVZ	Eden Park BICE	1.60 322	Pn	Pn	05 07 13.6 +0.6
EPVZ		1.60 322	Pn	Pn	05 07 13.6 +0.6
WTVZ	Waatarua	1.64 317	Pn	Pn	05 07 14.2 +0.7
PRVZ	Paritua Road	1.69 118	Pn	Pn	05 07 14.4 +0.6
PRVZ		1.69 118	Pn	Pn	05 07 14.4 +0.6
DREVZ	Durham Road	1.74 232	Pn	Pn	05 07 16.3 +2.1
CHVZ	Cape Kidnapper	1.74 151	Pn	Pn	05 07 15.3 +1.1
CHVZ		1.74 151	Pn	Pn	05 07 15.3 +1.1
RAVZ	Riverhead Bore	1.76 321	Pn	Pn	05 07 14.9 +0.4
PNVZ	Pukenui	1.78 174	Pn	Pn	05 07 15.1 +0.5
PNVZ		1.78 174	Pn	Pn	05 07 15.1 +0.5
WVZ	Wanganui	1.79 205	Pn	Pn	05 07 15.2 +0.5
WVZ		1.79 205	Pn	Pn	05 07 15.2 +0.5
ABVZ	Army Bay	1.79 329	Pn	Pn	05 07 15.4 +0.6
CNVZ	Carnagh Statio	1.79 102	Pn	Pn	05 07 15.2 +0.6
CNVZ		1.79 102	Pn	Pn	05 07 15.2 +0.6
KAHVZ	Kahuranaki	1.79 157	Pn	Pn	05 07 15.8 +1.0
KAHVZ		1.79 157	Pn	Pn	05 07 15.8 +1.0
LRVZ	Lake Rotokare	1.80 88	Pn	Pn	05 07 14.4 -0.4
PUVZ	Puketitii	1.80 88	Pn	Pn	05 07 14.4 -0.4
PUVZ		1.80 88	Pn	Pn	05 07 14.6 -0.3
MHVZ	Mahia Peninsula	1.82 124	Pn	Pn	05 07 15.8 +0.9
MHVZ		1.82 124	Pn	Pn	05 07 15.8 +0.9
NEVZ	North Egmont	1.85 322	Pn	Pn	05 07 16.7 +1.4
PREVZ	Palmer Road	1.86 229	Pn	Pn	05 07 16.7 +1.4
PREVZ		1.86 229	Pn	Pn	05 07 16.7 +1.4
PKEVZ	Pukeiti	1.88 235	ePn	Pn	05 07 16.9 +1.4
PKEVZ		1.88 235	ePn	Pn	05 07 17.0 +1.5
TSVZ	Takapari Road	1.91 180	Pn	Pn	05 07 15.9 +0.1
TSVZ		1.91 180	Pn	Pn	05 07 16.2 +0.5
KHEVZ	Kahui Hut	1.92 233	Pn	Pn	05 07 17.1 +1.2
KHEVZ		1.92 233	Pn	Pn	05 07 17.5 +1.5
GRVZ	Great Barrier	1.93 348	Pn	Pn	05 07 16.3 +0.2
MXZ	Matakaoa Point	1.94 73	ePn	Pn	05 07 15.7 -0.3
MXZ		1.94 73	ePn	S	05 07 45.6 -0.9
MXZ		1.94 73	ePn	S	05 06.5
MXZ	Matakaoa Point	1.94 73	Pn	Pn	05 07 15.7 -0.3
WPHVZ	Waipukurau	1.95 169	Pn	Pn	05 07 16.8 +0.6
WPHVZ		1.95 169	Pn	Pn	05 07 16.8 +0.6
WMVZ	Waionatani S	1.96 81	Pn	Pn	05 07 16.1 -0.2
WMVZ		1.96 81	Pn	Pn	05 07 16.1 -0.2
NWVZ	Newall Road	2.00 281	Pn	Pn	05 07 18.1 +1.5
PXVZ	Pawanui	2.01 160	ePn	Pn	05 07 17.4 +0.8
PXVZ		2.01 160	ePn	S	05 07 50.2 +2.3
NMEVZ	Namu Road	2.07 232	Pn	Pn	05 07 17.5 +0.8
OHVZ	Ohakea	2.12 176	Pn	Pn	05 07 19.1 +1.8
DVHVZ	Dannevirke	2.16 176	Pn	Pn	05 07 18.4 +0.2
DVHVZ		2.16 176	Pn	Pn	05 07 18.4 +0.2
PRHVZ	Porangahau	2.18 167	Pn	Pn	05 07 18.9 +0.5
PRHVZ		2.18 167	Pn	Pn	05 07 19.0 +0.5
POVZ	Post Office Ro	2.25 164	Pn	Pn	05 07 19.3 +0.1
POVZ		2.25 164	Pn	Pn	05 07 19.3 +0.1
ANVZ	Angora Road	2.35 171	Pn	Pn	05 07 20.7 +0.5
PRVZ	Pori Road	2.41 180	Pn	Pn	05 07 21.1 +0.4
PRVZ		2.41 180	Pn	Pn	05 07 21.2 +0.4
MRVZ	Mangatainoka R	2.53 187	ePn	Pn	05 07 21.7 -0.5
MRVZ		2.53 187	ePn	S	05 07 22.0 -0.1
BFVZ	Birch Farm	2.54 175	ePn	Pn	05 07 20.0 -0.3
BFVZ		2.54 175	ePn	S	05 07 58.5 +0.7
BFVZ	Birch Farm	2.54 175	Pn	Pn	05 07 22.2 0.0
WCVZ	Waipu Caves	2.56 329	Pn	Pn	05 07 23.0 +0.5
TIWVZ	Tintock	2.63 181	Pn	Pn	05 07 23.2 0.0
TIWVZ		2.63 181	Pn	Pn	05 07 23.3 0.0
OGVZ	Otagi Gorge	2.74 193	Pn	Pn	05 07 24.3 -0.1
OGVZ		2.74 193	Pn	Pn	05 07 24.4 -0.1
CPVZ	Castlepont	2.77 176	Pn	Pn	05 07 25.3 +0.5
CPVZ		2.77 176	Pn	Pn	05 07 25.3 +0.6
HOWVZ	Holdsword Sta	2.77 187	Pn	Pn	05 07 24.3 -0.5
HOWVZ		2.77 187	Pn	Pn	05 07 24.3 -0.5
KIIVZ	Kapiti Island	2.84 197	ePn	Pn	05 07 25.0 -0.5
KIIVZ		2.84 197	ePn	S	05 08 04.3 +0.7
KIIVZ	Kapiti Island	2.84 197	Pn	Pn	05 07 25.1 -0.4
TMVZ	Te Maipa	2.96 181	Pn	Pn	05 07 26.5 -0.4
TMVZ		2.96 181	Pn	Pn	05 07 26.5 -0.4
MTVZ	Mount Morrison	3.03 187	ePn	Pn	05 07 27.0 -0.8
MTVZ		3.03 187	ePn	S	05 08 08.1 +0.5
MTVZ	Mount Morrison	3.03 187	Pn	Pn	05 07 27.0 -0.8
CAVZ	Cannon Point	3.04 193	ePn	Pn	05 07 27.4 -0.4
CAVZ		3.04 193	ePn	S	05 08 09.5 +0.7
CAVZ	Cannon Point	3.04 193	Pn	Pn	05 07 27.4 -0.4
DUVZ	D'Urville Isla	3.10 210	ePn	Pn	05 07 27.8 -0.6
DUVZ		3.10 210	ePn	Pn	05 07 27.9 -0.6
TRVZ	Traveller	3.26 184	ePn	Pn	05 07 29.7 -0.6
TRVZ		3.26 184	ePn	S	05 08 12.2 -0.1
PAVZ	Paruawai Farm	3.26 187	ePn	Pn	05 07 29.7 -0.6
PAVZ		3.26 187	ePn	S	05 08 10.0 -0.8
PAVZ		3.26 187	ePn	S	05 08 12.3 -0.2
PAVZ	Paruawai Farm	3.26 187	Pn	Pn	05 07 29.6 -0.8
WELVZ	Wellington	3.32 196	Pn	Pn	05 07 30.1 -0.4
SNVZ	South Karori	3.31 197	ePn	Pn	05 07 30.4 -0.6
SNVZ		3.31 197	ePn	S	05 08 10.2 -0.9
MSVZ	Moikau Station	3.32 189	Pn	Pn	05 07 30.1 -1.0
MSVZ		3.32 189	Pn	Pn	05 07 30.2 -0.9
TCVZ	Tory Channel	3.33 203	ePn	Pn	05 07 30.6 -0.6
TCVZ		3.33 203	ePn	S	05 08 12.8 -1.0
BHVZ	Baring Head	3.37 194	ePn	Pn	05 07 30.8 -0.8
BHVZ		3.37 194	ePn	S	05 08 13.3 -1.3
BHVZ	Baring Head	3.37 194	Pn	Pn	05 07 30.8 -0.8
PLVZ	Palliser	3.47 189	Pn	Pn	05 07 31.8 -1.0
PLVZ		3.47 189	Pn	Pn	05 07 31.8 -1.0
OUZ	Omahuta	3.49 326	ePn	Pn	05 07 33.8 +0.7

OUZ	Omahuta	3.49 326	P	Pn	05 07 33.9 +0.8
TUVZ	Tuararua	3.64 205	ePn	Pn	05 07 34.0 -0.8
TUVZ		3.64 205	ePn	S	05 08 19.7 -0.6
TUVZ		3.64 205	ePn	S	05 07 34.1 -0.7
TUVZ	Tuararua	3.64 205	Pn	Pn	05 07 34.2 -0.9
NRVZ	Neison	3.67 212	Pn	Pn	05 07 34.9 -0.8
QRVZ	Quartz Range	3.78 224	Pn	Pn	05 07 35.1 -1.4
CMVZ	Cape Campbell	3.85 200	Pn	Pn	05 07 37.4 +0.1
CMVZ		3.85 200	Pn	Pn	05 07 37.7 +0.3
BSVZ	Blackbirch Sta	3.92 204	Pn	Pn	05 07 37.4 -0.7
BSVZ		3.92 204	Pn	Pn	05 07 37.5 -0.6
THVZ	Topohue	4.32 212	ePn	Pn	05 07 46.6 -0.6
THVZ		4.32 212	ePn	S	05 08 34.0 -1.3
THVZ	Topohue	4.32 212	Pn	Pn	05 07 41.8 -1.3
KHVZ	Kahutara	4.66 203	ePn	Pn	05 07 46.6 -0.6
KHVZ		4.66 203	ePn	S	05 08 40.9 -2.0
KHVZ		4.66 203	ePn	S	05 07 46.6 -0.6
KHVZ	Kahutara	4.66 203	Pn	Pn	05 07 47.2 -2.1
DSVZ	Denniston Nort	4.82 220	Pn	Pn	05 07 55.0 -1.9
LTZ	Lake Taylor	5.43 210	ePn	Pn	05 09 08.0 +0.3
LTZ		5.43 210	ePn	S	05 07 55.6 -1.4
LTZ	Lake Taylor	5.43 210	Pn	Pn	05 07 56.0 -2.8
INZ	Inchbonnie	5.74 216	Pn	Pn	05 08 01.8 -1.7
NYVZ	Ngarewa	5.98 209	ePn	Pn	05 08 01.6 -2.4
OXVZ	Oxford	5.98 209	ePn	Pn	05 08 01.6 -2.1
OXVZ		5.98 209	ePn	Pn	05 08 04.2 +0.2
CRVZ	Canterbury Las	5.99 204	ePn	Pn	05 08 05.2 +1.2
CRVZ		5.99 204	ePn	Pn	05 08 03.0 -1.2
OCVZ	Oakains Bay	6.00 203	ePn	Pn	05 08 03.2 -2.2
MOVZ	Moqueen's Vall	6.10 203	ePn	Pn	05 08 03.2 -2.2
MOVZ		6.10 203	ePn	Pn	05 08 04.8 -1.6
AKVZ	Akaroa Harbour	6.17 201	Pn	Pn	05 08 07.2 -1.2
WVZ	Waikata Valley	6.34 217	Pn	Pn	05 08 07.3 -1.2
WVZ		6.34 217	Pn	Pn	05 08 07.3 -1.2
RVZ	Rata Peaks	6.70 212	Pn	Pn	05 08 11.1 -2.1
RVZ		6.70 212	Pn	S	05 09 23.4 -6.4
RPVZ	Rata Peaks				

BJI	comp=Z,3um,13.7s	LR	LR						
ERM	comp=Z,2um,20.1s								
TEY	16.11 36 eP	Pn	P	05 34 01.8 -1.0					
TEY	16.26 151 eP	Pn	P	05 34 07.6 +0.1					
GZH	comp=Z,60nm,1.2s								
GZH	Guangzhou	16.77 252 eP	Pn	05 34 05.5 -5.8					
GZH		S	Sn	05 37 05.2 -12					
GZH	comp=N,2um,14.3s	LR	LR						
TIY	comp=E,2um,14.3s								
TIY	Taiyuan	17.27 303 eP	P	05 34 19.8 +0.9					
TIY		S	Sn	05 37 24.7 -4.2					
TIY	comp=E,480nm,6.2s	LR	LR						
TIY	comp=E,2um,14.6s	LR	LR						
TIY	comp=E,1um,15.7s	LR	LR						
ASAJ	comp=E,2um,14.4s								
ASAJ	Asahikawa	17.46 30 P	Pn	05 34 12.9 -6.9					
ASAJ	comp=E,1.3nm,0.3s,baz=312,slow=32,SNR=4.5	LR	LR	05 41 15.5					
ASAJ	Asahikawa	17.46 30 ePn	Pn	05 34 19.3 -0.5					
ASAJ	comp=E,25nm,1.1s								
ASAJ	Asahikawa	17.46 30 P	Pn	05 34 13.0 -6.9					
ASAJ	comp=Z,1.0nm,0.3s								
ASAJ	comp=Z,785nm,20.9s	MLR	MLR						
ENH	Enshi	18.39 278 eP	Pn	05 34 34.2 +2.8					
XAN	Xi'an	19.05 289 P	P	05 34 38.2 -0.2					
XAN		pP	pP	05 34 44.0 -2.3					
XAN		PP	Pn	05 34 52.4 +0.3					
XAN		S	Sn	05 38 02.3 -10					
XAN	comp=Z,22nm,0.9s								
XAN	comp=Z,270nm,5.5s								
XAN	comp=Z,980nm,12.6s	LR	LR						
XAN	comp=Z,1um,13.3s	LR	LR						
XAN	comp=Z,1um,15.5s	LR	LR						
HHC	Hu-hao-te	19.28 311 eP	Pn	05 34 42.6 +0.4					
HHC		sP	sP	05 34 55.2 +2.5					
HHC		S	Sn	05 38 10.7 -6.9					
HHC	comp=Z,37nm,0.8s								
HHC	comp=Z,280nm,4.1s								
HHC	comp=Z,3um,10.5s	LR	LR						
HHC	comp=Z,2um,11.3s	LR	LR						
HHC	comp=Z,3um,10.3s	LR	LR						
KLR	Kul'dur	19.78 2 P	P	05 34 45.2 -1.1					
KLR	comp=Z,0.2nm,0.3s,baz=187,slow=7.1,SNR=66								
YSS	Yuzh-Sakhalins	19.86 25 eP	Pn	05 34 48.5 -0.3					
YSS	comp=Z,59nm,1.1s								
YSS	Yuzh-Sakhalins	19.86 25 eP	P	05 34 47.4 +0.3					
YSS	comp=Z,50nm,1.1s								
YSS	comp=Z,700nm,16.0s	MLR	MLR						
BTO	Baotou	20.52 309 eP	Pn	05 35 00.6 +7.6					
BTO		S	Sn	05 39 05.4 +2.6					
BTO	comp=N,2425um,15.2s	LR	LR						
BTO	comp=E,1559um,13.6s	LR	LR						
BTO	comp=Z,3308um,15.3s	LR	LR						
GUMO	Guam	20.54 137 LR	LR	05 41 37.3					
GUY	Guinyang	21.40 268 iP	P	05 35 04.6 +0.4					
GUY		pP	pP	05 35 14.8 -1.0					
GUY		PP	Pn	05 35 29.0 +4.4					
GUY		S	Sn	05 38 53.4 -7.0					
GUY		sS	S	05 39 09.2 +0.4					
GUY		SS	Sn	05 39 29.7 +5.7					
GUY	comp=Z,70nm,0.8s								
GUY	comp=Z,140nm,5.3s								
GUY	comp=Z,830nm,14.6s	LR	LR						
GUY	comp=Z,1um,13.1s	LR	LR						
GUY	comp=Z,2um,15.6s	LR	LR						
HIA	Hailar	21.48 340 iP	P	05 35 03.4 -1.3					
HIA	comp=Z,8.0nm,0.9s								
QIZ	Qiongzong	21.60 246 eP	P	05 35 07.9 +1.7					
GRNR	Gornyy	21.74 10 eP	P	05 35 13.1 +5.7					
GRNR	comp=Z,84nm,1.0s								
DAV	Davao City (W)	22.76 193 LR	LR	05 45 32.5					
TYV	Tymovskoe	23.22 20 eP	P	05 35 25.5 +2.5					
TYV	comp=Z,13nm,1.1s								
TYV	comp=Z,300nm,6.0s								
TYV	comp=N,700nm,16.0s	MLR	MLR						
TYV	comp=Z,800nm,16.0s	MLR	MLR						
CD2	Chengdu	23.29 280 P	P	05 35 24.2 +0.2					
CD2		pP	sP	05 35 34.3 -1.5					
CD2		sP	pP	05 35 39.2 +7.1					
CD2		S	S	05 39 33.4 -1.3					
CD2		sS	S	05 39 50.2 -1.5					
CD2		SS	Sn	05 39 50.7 +2.0					
CD2	comp=Z,190nm,0.5s								
CD2	comp=Z,570nm,5.4s	LR	LR						
CD2	comp=Z,2um,20.9s	LR	LR						
CD2	comp=Z,2um,11.7s	LR	LR						
CD2	comp=Z,2um,14.5s	LR	LR						
LZH	Lanzhou	23.46 293 eP	P	05 35 25.7 -0.1					
LZH		pP	sP	05 35 36.5 -1.2					
LZH		sP	pP	05 35 40.6 +6.6					
LZH		S	Pn	05 35 57.8 +5.0					
LZH		eS	S	05 39 32.4 -5.3					
LZH		sS	S	05 40 00.6 -4.6					
LZH		SS	Sn	05 40 20.6 +6.1					
LZH	comp=Z,51nm,1.1s								
LZH	comp=Z,490nm,5.6s	LR	LR						
LZH	comp=Z,1um,14.1s	LR	LR						
LZH	comp=Z,4um,14.1s	LR	LR						
ZEA	Zeya	24.41 355 eP	P	05 35 32.0 -2.3					
ZEA	comp=Z,43nm,1.2s								
ZEA	comp=N,500nm,14.0s	MLR	MLR						
ZEA	comp=Z,600nm,14.0s	MLR	MLR						
KMI	Kunming	25.16 267 P	P	05 35 42.4 +0.7					
KMI		pP	pP	05 35 51.7 +1.6					
KMI		sP	sP	05 35 57.4 +3.7					
KMI		PP	Pn	05 40 00.2 +4.1					
KMI		S	S	05 40 00.6 -4.6					
KMI		sS	S	05 40 18.5 -0.7					
KMI	comp=Z,100nm,0.8s								
KMI	comp=Z,120nm,3.1s								

KMI	comp=Z,890nm,14.0s	LR	LR						
KMI	comp=Z,1um,16.1s	LR	LR						
KMI	comp=Z,2um,14.7s	LR	LR						
ULN	Ulaanbatar	25.88 322 eP	P	05 35 47.0 -0.9					
ULN	comp=Z,22nm,0.9s								
ULN	Ulaanbatar	25.88 322 c/P	P	05 35 47.5 -0.4					
ULN	comp=Z,35nm,1.3s								
SOMN	Songino Array	26.22 321 P	P	05 35 49.7 -1.2					
SOMN	comp=Z,15nm,0.8s,baz=137,slow=9.8,SNR=45	LR	LR	05 47 33.9					
SONA1	Songino Array	26.22 321 eP	P	05 35 49.9 -1.0					
GTA	Gaotai	27.21 300 eP	P	05 36 01.0 +1.0					
GTA		pP	pP	05 36 08.2 -0.3					
GTA		sP	sP	05 36 11.3 -0.7					
GTA		PcP	PcP	05 39 20.9 +1.2					
GTA		S	S	05 40 36.3 -0.8					
GTA		SS	Sn	05 41 52.3 +6.4					
GTA	comp=Z,6.0nm,1.0s								
GTA	comp=Z,95nm,4.3s								
GTA	comp=Z,630nm,14.6s	LR	LR						
GTA	comp=Z,1um,16.2s	LR	LR						
GTA	comp=Z,1um,16.5s	LR	LR						
SKNT	Sakalnakhorn	27.41 249 P	P	05 36 02.9 +1.1					
SKR	Severo-Kuril's	28.55 35 eP	P	05 36 04.6 -7.0					
SKR		eS	S	05 40 46.6 -1.1					
SKR	comp=Z,50nm,1.1s								
SKR	comp=Z,200nm,5.1s								
SKR	comp=Z,100nm,6.3s								
SKR	comp=Z,500nm,16.0s	MLR	MLR						
SKR	comp=Z,400nm,18.0s	MLR	MLR						
KHON	Khomkham	28.69 249 P	P	05 36 14.0 +0.8					
ZAK	Zakamensk	29.36 223 eP	P	05 36 17.7 -2.3					
ZAK	comp=Z,10.0nm,1.1s								
CHAI	Chaiyaphum	29.60 249 P	P	05 36 22.0 +0.7					
CHAI	comp=Z,17nm,0.8s								
PHRA	Phrae	29.78 255 P	P	05 36 23.8 +0.9					
PHRA	comp=Z,1.9nm,1.0s,comp=Z,507nm								
TLY	Talaya	29.95 325 eP	P	05 36 23.9 -0.1					
TLY	comp=Z,5.5nm,0.9s								
TLY	Talaya	29.95 325 eP	P	05 36 24.6 +0.5					
TLY		e	e	05 37 36.5					
TLY	comp=Z,18nm,1.4s								
PBKT	Sadao Pong	30.09 251 eP	P	05 36 26.3 +0.7					
PBKT	comp=Z,12nm,0.7s								
PBKT	Sadao Pong	30.09 251 P	P	05 36 26.5 +0.9					
LAMP	Lampang	30.28 256 P	P	05 36 28.4 +1.1					
LAMP	comp=Z,4.3nm,0.7s								
SRAK	Srakaew	30.59 246 P	P	05 36 27.3 -2.7					
SRAK	comp=Z,94nm,0.9s								
CMMT	Chiang Mai	30.73 257 P	P	05 36 31.7 +0.4					
CMMT	comp=Z,4nm,1.1s,comp=Z,530nm								
CHTO	Chiang Mai	30.73 257 eP	P	05 36 31.3 0.0					
CHTO	comp=Z,1.1nm,0.8s								
CHTO	Chiang Mai	30.73 257 eP	P	05 36 31.3 0.0					
CHTO	comp=Z,1.1nm,0.8s								
CHTO	Chiang Mai	30.73 257 P	P	05 36 31.8 +0.5					
PETK	Petrovavlovsk	30.84 32 eP	P	05 36 31.8 -0.1					
PETK	comp=Z,5.6nm,0.8s,baz=201,slow=7.9,SNR=9.8	LR	LR	05 49 20.6					
PETK	comp=Z,318nm,20.1s,baz=226,slow=57								
PETK	Petrovavlovsk	30.84 32 eP	P	05 36 32.1 +0.2					
PETK	Petrovavlovsk	30.84 32 eP	P	05 36 32.1 +0.2					
CM31	Chiang Mai Arr	30.89 256 eP	P	05 36 32.2 -0.5					
CMAR	Chiang Mai Arr	30.89 256 P	P	05 36 32.4 -0.3					
CMAR	comp=Z,1.3nm,0.4s,baz=46,slow=7.6,SNR=9.0								
CMAR	comp=Z,1.3nm,0.3s,baz=28,slow=1.3,SNR=9.8								
CMAR	Chiang Mai Arr	30.89 256 P	P	05 36 32.4 -0.3					
CMAR	comp=Z,1.0nm,0.3s								
CMAR	comp=Z,1.0nm,0.3s								

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KPCH, K05A, G0PC, etc.

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PV18, PV12, PV03, etc.

NIED 06 05:35:00,29:40N:130:70E,h17km,Mw4.1 Best double couple: M1.42000x1015 NP1:~226.00000°,~843.00000°,~1.06.00000°. NP2:~24.00000°,~849.00000°,~1.75.00000°. JMA 06 05:35:59.5:0.1,29:45N:130:73E,h58km,4km,M4.0, Ryukyu Islands

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

NIED 06 05:51:00,29:50N:130:70E,h20km,Mw4.5 Best double couple: M5.92000x1015 NP1:~266.00000°,~824.00000°,~1.47.00000°. NP2:~27.00000°,~877.00000°,~1.70.00000°. BUJ 06 05:51:05.8,29:22N:130:68E,h37km,mb4.5/31,mb4.8/18,Ms4.3/21,Ms7.4/21

JMA 06 05:51:07.3:0.1,29:47N:130:73E,h56km,3km,M4.2 ISCJBP 06 05:51:07.8:0.4,29:49N:0.02:130:64E:0.04,148km,3km,mb4.4/56,MS3.8/12,Error ellipse: s-maj=5.9km s-min=2.9km az=27.4 IDC 06 05:51:08.8:1.5,29:57N:130:49E,h42km,13km,ms3.9/24,mb1.4/0.28,mb1mx3.9/70,mbtmp4.1/28,ML4.0/4,MS3.6/13,Ms1.3/713,ms1mx3.3/64,Error ellipse: s-maj=16.7km s-min=8.4km az=109.0

NEIC 06 05:51:09.2:0.6,29:51N:130:51E,h43km,5km,mb4.6/29 Error ellipse: s-maj=6.9km s-min=4.9km az=142.0 ISCJBP 06 05:51:09.2:0.3,29:51N:130:51E,h42km,5km,mb4.6/29,n132,~1346/148,mb4.4/56,MS3.8/12,Ryukyu Islands

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

az=39.0
 ISC 06 07:23:39.2+0.9, 13.635N;0109:76:5W+0.1, h33km, n24,
 r146/23, mb3.6/4, Near coast of Peru

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
NNA	Nana	1.67	348	P	Pb	07 24 07.5	-1.9
18nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
NNA	Nana	1.67	348	ePn	Pb	07 24 27.8	+1.2
71nm, 0.3s, baz=234, slow=19, SNR=12							
NNA	Nana	1.67	348	ePn	Pb	07 24 07.9	-1.6
18nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
NNA	Nana	1.67	348	ePn	Pb	07 24 27.9	+1.3
1.0nm, 0.3s, baz=292, slow=9.2, SNR=3.8							
LPZA	La Paz	8.50	109	eS	Pn	07 25 42.0	+1.4
1.0nm, 0.3s, baz=292, slow=9.2, SNR=3.8							
LPZA	La Paz	8.50	109	eS	Pn	07 27 17.4	+1.7
baz=193, slow=24, SNR=7.2							
LPZA	La Paz	8.50	109	ePn	LR	07 28 44.4	
comp=Z, 15nm, 20.0s, baz=279, slow=36							
LPZA	La Paz	8.50	109	ePn	Pn	07 25 42.8	+2.1
1.1nm, 0.3s, baz=328, slow=19, SNR=3.8							
MMNC	Minye Minye	8.58	130	ePn	Pn	07 25 40.2	-1.3
1.1nm, 0.3s, baz=328, slow=19, SNR=3.8							
PB01	IPOC Station P	9.95	139	ePn	Pn	07 26 00.6	+0.5
1.1nm, 0.3s, baz=306, slow=15, SNR=4.5							
PB01	IPOC Station P	9.95	139	ePn	Pn	07 27 51.3	+0.6
1.1nm, 0.3s, baz=306, slow=15, SNR=4.5							
SIV	Samuel	13.85	72	ePn	Pn	07 26 53.2	-0.2
0.2nm, 0.6s, baz=103, slow=5.7, SNR=3.7							
SIV	Samuel	13.85	72	ePn	Pn	07 27 09.6	-0.6
0.2nm, 0.6s, baz=103, slow=5.7, SNR=3.7							
SIV	Samuel	13.85	72	ePn	LR	07 32 34.9	
comp=Z, 50nm, 20.1s, baz=275, slow=36							
RUSC	La Rusia	19.69	10	eP	Pn	07 28 08.5	+0.5
2.7nm, 0.8s							
HELX	Santa Helena	19.72	3	eP	Pn	07 28 09.4	+1.2
1.4nm, 1.5s							
PTGA	Pitinga	20.78	53	P	P	07 28 15.4	-2.3
1.1nm, 0.3s, baz=328, slow=19, SNR=3.8							
TXAR	Lajitas Array	50.13	329	P	P	07 32 32.9	+1.2
0.3nm, 0.7s, baz=144, slow=8.3, SNR=5.3							
PDAR	Pinedale Array	63.80	335	P	P	07 34 07.7	+0.3
0.1nm, 0.6s, baz=110, slow=7.8, SNR=2.3							
NVAR	Mina Array Bea	64.91	325	P	P	07 37 18.2	+2.0
0.2nm, 0.6s, baz=103, slow=5.7, SNR=3.7							
NVAR	Mina Array Bea	64.91	325	eP	SP	07 34 30.6	+0.8
0.6nm, 0.8s, baz=147, slow=7.1, SNR=6.3							
LOY	Loyalton	66.84	325	eP	P	07 34 26.9	-1.2
TORD	Torodi Ar. Bea	81.89	74	P	P	07 35 54.2	-1.9
1.5nm, 0.8s, baz=270, slow=14.2, SNR=3.3							
H1N3	WAKE ISLAND HtY 19.25 285			T	T	09 52 41.6	
baz=96, slow=74, SNR=16							
H1N2	WAKE ISLAND HtY 19.27 285			T	T	09 52 44.2	
baz=96, slow=74, SNR=16							
H1N1	WAKE ISLAND HtY 19.23 285			T	T	09 52 42.9	
baz=96, slow=74, SNR=16							
H1N1	WAKE ISLAND HtY 19.27 284			T	T	09 52 49.2	
baz=94, slow=74, SNR=7.8							
H1S1	WAKE ISLAND HtY 19.34 284			T	T	09 52 52.1	
baz=94, slow=74, SNR=7.8							
H1S3	WAKE ISLAND HtY 19.35 284			T	T	09 52 51.5	
baz=94, slow=74, SNR=7.3							
WRA	Warramunga Arr	134.91	223	PKP	PKPdf	07 42 56.4	+0.5
1.9nm, 1.0s, baz=137, slow=1.2, SNR=3.3							

PSTM Stockdale Moun 0.02 295 ePg Pg 07 35 51.3 -0.2
 PVCM Vineyard Canyo 0.04 272 ePg Pg 07 35 51.5 -0.2
 PHFM Heflinger Ranc 0.08 219 ePg Pg 07 35 52.6 +0.6
 WKR Work Ranch 0.11 190 ePg Pg 07 35 53.0 +0.7
 PHFM Harlan Ranch 0.11 139 ePg Pg 07 35 53.0 -0.5
 PHFM Harlan Ranch 0.11 139 ePg Pg 07 35 53.0 -0.5
 PPO Portuguese Can 0.12 243 ePg Pg 07 35 52.9 +0.4
 CTM Castle Mountai 0.12 85 ePg Pg 07 35 53.5 -0.2
 PSMR Smith Mountai 0.17 330 ePg Pg 07 35 53.2 -1.3
 PSRM Scobie Ranch 0.18 110 ePg Pg 07 35 53.9 -0.7
 PKLM Kerr Lake 0.19 141 ePg Pg 07 35 54.3 -0.4
 PSNM San Carlos Corral 0.20 130 ePg Pg 07 35 54.0 +0.8
 PSMC McMillan Canyo 0.22 154 ePg Pg 07 35 55.0 -0.3
 PMRM Maxey Ranch 0.24 124 ePg Pg 07 35 55.0 -0.7
 PTV Peach Tree Val 0.27 315 ePg Pg 07 35 54.5 -1.6
 PAGE Antelope Grade 0.27 134 ePg Pg 07 35 55.4 -0.7
 PASM Hesperia Broad 0.27 344 ePg Pg 07 35 56.1 -0.9
 PJUM Juniper Ridge 0.32 344 ePg Pg 07 35 56.7 -1.1
 PANM San Antonio Re 0.37 248 ePg Pg 07 35 56.8 -1.4
 PMPB Monarch Peak 0.39 319 ePg Pg 07 35 56.8 -1.4
 PIRM Iverson Ranch 0.42 149 ePg Pg 07 35 58.6 -0.2
 PHRM Huron Fishing 0.46 45 ePg Pg 07 35 58.3 -1.5
 PHSB Hesperia Broad 0.47 289 ePg Pg 07 35 58.3 -1.2
 PBPM Bitterwater Pu 0.48 136 ePg Pg 07 35 59.4 -0.3
 BLDC Black Mountain 0.52 222 ePg Pg 07 35 59.5 -0.8
 LRC Lone Oak Road 0.56 306 ePg Pg 07 35 59.4 -0.8
 PTAM Tassajara Cree 0.56 199 ePg Pg 07 36 00.5 -0.5
 PCCM Crazy Canyon 0.57 287 ePg Pg 07 36 00.0 -1.3
 PHCN Hearst Castle 0.58 205 ePg Pg 07 36 00.9 -0.9
 ARDC Alexander Ranc 0.61 221 ePg Pg 07 36 01.3 -2.5
 PCBM Cambria 0.62 229 ePg Pg 07 36 01.4 -2.4
 EFD Emergency Oper 0.63 198 ePg Pg 07 36 01.8 -2.3
 LRV Little Rabbit 0.66 320 ePg Pg 07 36 01.7 -1.2
 LSDC Los Osos Digit 0.69 205 ePg Pg 07 36 02.2 -1.6
 PAFM Alder Peak 0.71 270 ePg Pg 07 36 02.3 -1.4
 SMMC Simmler 0.73 146 P Pn 07 36 03.9 -1.5
 SMMC Simmler 0.73 146 P Pn 07 36 03.9 -1.5

LRMC Laurel Mtn Rad 2.33 100 P Pn 07 36 26.9 -0.6
 SAN=282, SNR=217
 JSBM San Bruno Moun 2.33 319 ePn Pn 07 36 25.8 -1.7
 BBNR Benton 2.36 40 ePn Pn 07 36 28.8 +0.6
 MRCM Red Rock Canyo 2.36 42 ePn Pn 07 36 29.5 +2.5
 DAC Red Rock Canyo 2.37 42 ePn Pn 07 36 28.4 +0.2
 MLNR Milner Canyo 2.40 45 ePn Pn 07 36 29.5 +0.9
 CVPM Volmer Peak 2.40 325 ePn Pn 07 36 27.4 -1.1
 DECC Green Verdugo 2.43 133 P Pn 07 36 28.6 -0.3
 baz=314, SNR=52
 MPMC Marial Prospec 2.44 86 P Pn 07 36 28.6 -0.5
 baz=268, SNR=1000
 CSPM San Pablo Ridge 2.50 325 ePn Pn 07 36 28.8 -1.0
 AASM Arroyo Seco 2.55 349 ePn Pn 07 36 29.9 -0.7
 PASC Pasadena Art C 2.57 332 ePn Pn 07 36 31.1 +0.3
 MWFC Mount Wilson 2.62 130 ePn Pn 07 36 31.8 +0.2
 WAKR Walker 2.71 18 ePn Pn 07 36 34.8 -3.1
 GRAC Grapevine Rang 2.73 66 P Pn 07 36 33.6 +0.5
 baz=248, SNR=426
 SNT Sears Point 2.75 326 ePn Pn 07 36 32.5 -0.7
 SNCC San Nicolas Is 2.78 163 ePn Pn 07 36 33.0 -0.7
 SNCC San Nicolas Is 2.78 163 P Pn 07 36 32.7 -1.0
 baz=344, SNR=12
 FMP Fort Macarthur 2.85 140 P Pn 07 36 34.0 -0.6
 baz=322, SNR=11
 SSK Emerald Bay 2.86 126 ePn Pn 07 36 34.6 -0.3
 BFSC Mount Baldy Ra 2.86 125 P Pn 07 36 34.5 -0.4
 baz=307, SNR=302
 MOCM Marconi Confer 2.93 320 ePn Pn 07 36 33.9 -1.8
 FURC Furnace Creek, 2.98 78 P Pn 07 36 36.1 -0.3
 baz=1, SNR=54
 NIMB Iron Mountain 2.99 332 ePn Pn 07 36 35.5 -1.2
 RRR Edison Barstow 3.04 109 P Pn 07 36 35.5 -0.7
 baz=292, SNR=17
 CIS Catalina Islan 3.04 145 P Pn 07 36 36.3 -1.0
 baz=327, SNR=26
 AFDM Forest Hills D 3.05 353 ePn Pn 07 36 42.8 -0.7
 NV01 Mina Array Sit 3.05 343 ePn Pn 07 36 40.5 -3.3
 NVAR Mina Array Bea 3.05 34 P Pn 07 36 38.1 +0.5
 1.9nm, 0.3s, baz=216, slow=15, SNR=11.2
 NVAR 3.05 343 ePn Pn 07 36 43.2 -0.5
 77nm, 0.3s, baz=225, slow=20, SNR=139
 NVAR 3.05 343 ePn Pn 07 36 43.2 -0.5

ISC 06 07:26:02.9+0.5, 37.25N;0103:28:23E+0.04, h0km, Error
 ellipse: s-maj=5.5km s-min=3.5km az=44.2
 DDA 06 07:26:02.8, 37.24N;0103:28:22E+0.07, h17km, ML2.6, Suspected
 Mining explosion.
 ISK 06 07:26:02.7, 37.23N;0103:28:21E+0.07, h7km, ML2.0/8
 ISC 06 07:26:03.3+1.2, 37.24N;0103:28:22E+0.03, h0km, n16,
 r065/22, Turkey

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
YER	Yerkesik	0.11	151	PG	Pg	07 26 05.7	+0.2
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
YER	Yerkesik	0.11	151	PG	Pg	07 26 07.7	+0.8
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
MLSB	Milas	0.35	280	PG	Pg	07 26 10.1	0.0
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
MLSB	Milas	0.35	280	PG	Pg	07 26 15.8	+0.9
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
TURN	Turunc	0.48	139	PG	Pg	07 26 11.9	-0.5
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
TURN	Turunc	0.48	139	PG	Pg	07 26 12.9	-0.1
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
AYDN	Tasuluk	0.50	328	P	Pg	07 26 20.0	+0.5
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
AYDN	Tasuluk	0.50	328	P	Pg	07 26 13.9	+0.1
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
DALY	Dalyan (Mu'la)	0.55	140	PG	Pg	07 26 21.8	+1.0
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
DALY	Dalyan (Mu'la)	0.55	140	PG	Pg	07 26 13.4	-0.3
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
TAVA	Denizli Tavas	0.60	67	P	Pg	07 26 14.9	0.0
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
BDRM	Kayabasi	0.64	255	P	Pg	07 26 15.6	+0.1
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
BDRM	Kayabasi	0.64	255	P	Pg	07 26 25.2	+1.3
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
DAT	Data	0.72	225	PG	Pg	07 26 16.9	-0.2
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
DAT	Data	0.72	225	PG	Pg	07 26 16.5	-0.6
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
BODT	Bodrum	0.74	257	PG	Pg	07 26 17.1	-0.1
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
AYDB	Zeytinokuydu	0.76	340	PG	Pg	07 26 17.7	-0.1
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
GCAM	Gyzelcamli	0.91	301	PG	Pg	07 26 20.5	-0.2
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
ARG	Arhangelos	1.02	184	PG	Pg	07 26 22.6	-0.2
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							
KULA	Kula-Manisa	1.33	15	PN	Pg	07 26 28.3	-0.4
1.1nm, 0.3s, baz=139, slow=9.5, SNR=5.43							

DDM Davis Peak 0.73 199 ePg Pg 07 36 04.0 -1.5
 VPCD Valencia Peak 0.75 205 ePg Pg 07 36 04.5 -1.2
 VDCC Diablo Creek 0.76 202 ePg Pg 07 36 04.5 -1.5
 BBGB Big Mountain B 0.79 326 ePg Pg 07 36 04.2 -0.9
 H1B Branch Mountai 0.79 326 ePg Pg 07 36 05.0 -1.5
 BAVM Bawley Valle 0.85 329 ePg Pg 07 36 03.9 -0.9
 BVL Bear Valley 0.86 319 ePg Pg 07 36 04.9 -1.2
 EMT Emmet 0.89 327 ePg Pg 07 36 05.7 -1.0
 BSSM Soledad Missio 0.89 302 ePg Pg 07 36 05.2 -1.3
 CRGC Crocker Grade 0.92 137 ePg Pg 07 36 07.2 -1.0
 GCHG Collins Bench 0.95 344 ePg Pg 07 36 07.4 -0.6
 BCWM Chewes Ridge 0.95 294 ePg Pg 07 36 06.2 -1.6
 JHC Johnson Canyon 0.96 311 ePg Pg 07 36 06.3 -1.6
 PMLM Mount Lospe 1.03 186 ePg Pg 07 36 07.8 -1.6
 BCGM Cienega Road 1.05 319 ePg Pg 07 36 07.8 -1.6
 BVVM Vineyard 1.11 318 ePg Pg 07 36 08.6 -2.0
 BSMC Salinas Radio 1.12 312 ePg Pg 07 36 08.4 -2.1
 BPNC Pine Canyon 1.13 306 ePg Pg 07 36 08.6 -2.2
 VES Vestal, Richtg 1.14 94 P Pn 07 36 09.4 -1.6
 baz=276, SNR=1000
 VES Vestal, Richtg 1.14 94 P Pn 07 36 24.8 -1.0
 baz=276
 SAO San Andreas Ge 1.14 318 ePg Pg 07 36 09.6 -1.4
 PKM Mpherson Peak 1.17 152 P Pn 07 36 11.3 -0.5
 baz=332, SNR=1000
 PKM Mpherson Peak 1.17 152 P Pn 07 36 28.1 +0.5
 baz=332
 HSFM Saint Francis 1.21 318 ePn Pn 07 36 10.3 -1.7
 HJGM San Juan Grade 1.24 315 ePn Pn 07 36 10.3 -2.2
 FRI Friant 1.24 30 ePn Pn 07 36 10.7 -1.7
 SF-WR San Luis Fatjo 1.25 334 ePn Pn 07 36 11.6 -1.1
 HSLM San Luis Moun 1.26 337 ePn Pn 07 36 11.1 -1.2
 HBTM San Juan Bauti 1.26 318 ePn Pn 07 36 11.0 -1.8
 MCHM Hidden Dam 1.29 22 ePn Pn 07 36 11.3 -1.8
 ODR O'Connell Ranch 1.29 321 ePn Pn 07 36 11.6 -1.6
 SLD San Luis Dam 1.29 333 ePn Pn 07 36 11.9 -1.3
 HTLM Hot Springs 1.30 314 ePn Pn 07 36 12.0 -1.3
 HPCM Pacheco Lake 1.30 331 ePn Pn 07 36 12.0 -1.3
 SKWR San Luis Creek 1.34 340 ePn Pn 07 36 13.0 -0.9
 CDC Canada Road 1.36 324 ePn Pn 07 36 12.9 -1.3
 HCOM Corn Cob Canyo 1.38 315 ePn Pn 07 36 12.6 -1.7
 CBC Chamberlain 1.38 317 ePn Pn 07 36 12.5 -2.0
 GHS Gregory Hot Spr 1.40 327 ePn Pn 07 36 11.1 -1.5
 HPLM Lions Peak 1.45 321 ePn Pn 07 36 13.8 -1.5
 HSP Sheep 1.45 326 ePn Pn 07 36 13.9 -1.6
 MYLM Yosemite Lake 1.46 2 ePn Pn 07 36 13.9 -1.6
 JELB Ellicott, Sant 1.48 313 ePn Pn 07 36 13.8 -1.9
 PEV Pleasant Valley 1.51 315 ePn Pn 07 36 16.2 -1.1
 ARVC Arroyo Hot Spr 1.57 120 P Pn 07 36 15.5 -1.4
 baz=302, SNR=686
 CPMF Mikes Peak 1.58 335 ePn Pn 07 36 16.7 -0.5
 JLAB Laurel Hill 1.59 321 ePn Pn 07 36 15.8 -1.5
 SBC Santa Barbara 1.61 157 P Pn 07 36 17.5 -1.4
 baz=337, SNR=170
 MMIM Miami Mountain 1.61 22 ePn Pn 07 36 16.7 -1.0
 COOB Coe Ranch Numb 1.64 325 ePn Pn 07 36 17.1 -0.9
 ARN Arnold Ranch 1.66 330 ePn Pn 07 36 16.8 -1.4
 ISA Isabella, Lake 1.66 98 ePn Pn 07 36 17.5 -0.8
 ISA Isabella, Lake 1.66 98 ePn Pn 07 36 17.4 -0.9
 baz=280, SNR=1000
 ISA Isabella, Lake 1.66 98 P Pn 07 36 39.8 -0.9
 baz=280
 JUCM University of 1.66 311 ePn Pn 07 36 15.7 -2.5
 TJR Tejon Ranch 1.68 122 ePn Pn 07 36 17.3 -1.2
 CMMM Mount Mocho 1.73 322 ePn Pn 07 36 18.2 -1.2
 CMLM Mount Lewis 1.81 329 ePn Pn 07 36 19.4 -1.0
 WORM Onyx Ranch 1.84 96 ePn Pn 07 36 20.5 -0.2
 CVR Calaveras Rese 1.84 313 ePn Pn 07 36 21.1 -1.3
 OSI Osito Audit: C 1.94 132 ePn Pn 07 36 22.2 -2.5
 OSI Osito Audit: C 1.94 132 P Pn 07 36 21.8 -0.5
 baz=313, SNR=1000
 WCHM Chimney Peak 1.96 90 ePn Pn 07 36 22.8 +0.2
 JFJ Footstap Park 1.98 39 ePn Pn 07 36 21.7 -1.7
 JSFB Stanford Teles 2.01 318 ePn Pn 07 36 21.8 -1.2
 CWC Cottonwood Cre 2.02 74 P Pn 07 36 23.6 +0.3
 baz=257
 CVLM Vallecito 2.02 328 e

LOAD	Klamath Falls	6.45 348 P	Pn	07 37 25.9 +1.7
WVOR	Wild Horse Val	6.66 12 ePn	Pn	07 37 29.1 +2.1
L02D	Cave Junction,	6.68 340 P	Pn	07 37 29.6 +2.3
PKCU	Pink Cliffs	6.74 75 ePn	Pn	07 37 30.9 +2.4
K05A	Summer Lake	6.80 357 ePn	Pn	07 37 32.1 +2.9
KBO	Bosley Butte	6.92 336 ePn	Pn	07 37 31.8 +1.2
HUMO	Hull Mountain	6.95 345 ePn	Pn	07 37 35.9 +4.9
TCRU	Three Creeks R	6.96 65 ePn	Pn	07 37 33.2 +2.0
MSU	Marysville	7.12 66 ePn	Pn	07 37 36.2 +2.7
K02D	Willamette Mer	7.20 341 P	Pn	07 37 36.5 +2.1
J05D	Fort Rock, OR	7.38 356 P	Pn	07 37 38.4 +1.4
DUG	Dugway, Tooele	7.41 53 ePn	Pn	07 37 34.5 +3.1
DUG	Dugway, Tooele	7.41 53 P	Pn	07 37 39.0 +1.7
WUAZ	Wupatki	7.42 90 ePn	Pn	07 37 39.1 +1.4
WUAZ	Wupatki	7.42 90 P	Pn	07 37 38.3 +0.7
214A	Organ Pipe Nat	7.50 120 P	Pn	07 37 39.0 +0.4
KEBN	Edson Butte	7.55 338 ePn	Pn	07 37 41.7 +2.4
BGLI	Big Geary Mou	7.58 57 ePn	Pn	07 37 41.2 +2.9
J01D	Myrtle Point	7.70 341 P	Pn	07 37 44.5 +3.2
NLU	North Lily Min	7.77 56 ePn	Pn	07 37 47.2 +4.8
PIKE	Pine Mountain	7.87 358 ePn	Pn	07 37 48.6 +4.8
TMUT	Trail Mountain	8.10 57 ePn	Pn	07 37 50.9 +3.9
MPU	Maple Canyon	8.10 57 ePn	Pn	07 37 54.1 +7.2
I07A	Izee	8.19 5 ePn	Pb	07 37 58.9 -1.2
CTU	Camp Tracy	8.36 53 ePn	Pn	07 37 56.1 +5.6
HVU	Hansel Valley	8.39 43 ePn	Pn	07 37 53.8 +3.0
PY7A	Butcher Ranch,	8.50 62 ePn	Pn	07 37 56.8 +4.4
JLU	Jordan	8.51 54 ePn	Pn	07 37 56.3 +3.8
SRU	San Rafael Swe	8.53 65 ePn	Pn	07 37 57.6 +4.8
TCUT	Toone Canyon	8.80 51 ePn	Pn	07 38 01.8 +5.2
TUC	Tucson	8.81 111 ePn	Pn	07 37 56.2 -0.5
TUC	Tucson	8.81 111 P	Pn	07 37 55.7 -0.9
H04A	Detroit Lake	8.85 352 ePn	Pn	07 38 02.0 +5.0
P18A	Preston Nutter	8.91 62 ePn	Pn	07 38 03.1 +5.0
HOR	Corvallis	8.92 347 ePn	Pn	07 38 03.7 +5.8
CLID	Hailey	8.95 30 ePn	Pn	07 38 03.6 +5.1
HWUT	Hardware Ranch	8.98 48 ePn	Pn	07 38 03.9 +4.4
PV05	Paradox Valley	9.33 73 ePn	Pn	07 38 11.4 +3.8
PV09	Paradox Valley	9.42 71 ePn	Pn	07 38 07.7 +2.7
PV10	Paradox Valley	9.46 72 ePn	Pn	07 38 09.1 +3.4
PV14	Lion Creek, Pa	9.47 72 ePn	Pn	07 38 08.9 +3.1
PV19	Morning Glory	9.49 72 ePn	Pn	07 38 09.4 +3.3
PV23	Carpenter Ridg	9.50 71 ePn	Pn	07 38 11.1 +4.9
PV17	East Wray Mesa,	9.51 72 ePn	Pn	07 38 10.5 +4.3
PV20	West Nyswonger	9.51 72 ePn	Pn	07 38 09.6 +3.3
G03D	McMinnville, O	9.52 348 P	Pn	07 38 08.9 +2.8
PV18	Skein Mesa, Pa	9.54 72 ePn	Pn	07 38 10.2 +3.5
PV16	Nyswonger Mesa	9.54 72 ePn	Pn	07 38 10.1 +3.4
PV21	Cone Mtn., Par	9.55 71 ePn	Pn	07 38 11.1 +4.3
PV11	David Mesa, Pa	9.58 72 ePn	Pn	07 38 10.0 +2.8
PV03	Paradox Valley	9.59 72 ePn	Pn	07 38 10.3 +3.0
PV13	Radium Mtn., P	9.59 73 ePn	Pn	07 38 10.9 +3.5
PV12	Saucer Basin,	9.63 73 ePn	Pn	07 38 11.4 +3.4
PV02	Paradox Valley	9.66 73 ePn	Pn	07 38 11.5 +3.1
PV22	Blue Mesa, Pa	9.69 71 ePn	Pn	07 38 12.6 +3.9
MVCO	Mesa Verde	9.73 79 ePn	Pn	07 38 11.8 +2.5
MVCO	Mesa Verde	9.73 79 P	Pn	07 38 10.5 +1.2
PV01	Paradox Valley	9.78 73 ePn	Pn	07 38 12.9 +2.9
REDW	Red Top Meadow	10.50 42 ePn	Pn	07 38 28.7 +8.9
O20A	White River Ci	10.53 63 ePn	Pn	07 38 25.4 +5.1
O20A	White River Ci	10.53 63 P	Pn	07 38 22.9 +2.6
FKXY	Fox Creek, SNR=13	10.60 40 ePn	Pn	07 38 24.0 +2.8
SNOW	Snow King Moun	10.62 42 ePn	Pn	07 38 32.0 +1.1
MCMT	McKenzie Canyo	10.63 31 ePn	Pn	07 38 31.2 +1.0
LOHW	Long Hollow	10.80 42 ePn	Pn	07 38 32.2 +8.2
MOOW	Moose Ponds	10.82 41 ePn	Pn	07 38 30.0 +5.8
EGGA	Lebanon	10.83 349 ePn	Pn	07 38 39.0 +4.4
LON	Longmire	10.87 355 ePn	Pn	07 38 30.7 +6.0
BW06	Boulder Array	10.87 48 ePn	Pn	07 38 26.1 +1.1
PDAR	Pinedale Array	10.87 48 P	Pn	07 38 28.9 +4.0
PDAR	0.1nm,0.3s,baz=240,slow=14,SNR=4.4		Lg	07 41 32.4
LAZ	Ladron	11.03 94 ePn	Pn	07 38 29.4 +2.3
121A	Cookes Peak, D	11.04 104 P	Pn	07 38 27.7 +0.4
S22A	4UR Ranch, Cre	11.10 77 ePn	Pn	07 38 30.8 +2.7
SMCO	Snowmass,	11.21 69 ePn	Pn	07 38 33.3 +3.6
ANMO	Albuquerque	11.49 91 Pn	Pn	07 38 36.6 +3.2
ANMO	0.0nm,0.3s,baz=164,slow=13,SNR=3.1		Lg	07 41 46.5
ANMO	0.1nm,0.3s,baz=224,slow=19,SNR=3.4		LR	07 43 36.6
TASL	Snake Pit, Alb	11.49 91 P	Pn	07 38 35.8 +2.4
TASL	baz=279,SNR=3		Pn	
NLWA	Neilton Lookou	11.73 349 ePn	Pn	07 38 40.6 +4.1
RWWY	Rawlins	11.85 57 ePn	Pn	07 38 40.6 +2.3
SDCO	Great Sand Dun	12.15 77 ePn	Pn	07 38 45.7 +3.2
N23A	Red Feather La	12.44 62 ePn	Pn	07 38 44.8 -1.6
NEW	Newport	12.50 10 P	Pn	07 38 54.0 -5.8
NEW	0.1nm,0.3s,baz=188,slow=14,SNR=6.3		Lg	07 42 35.0
NEW	0.1nm,0.3s,baz=114,slow=12,SNR=2.4		LR	07 43 53.7
NEW	comp=Z,327nm,18.8s,baz=202,slow=38		LR	
NEW	Newport	12.58 10 ePn	Pn	07 38 49.9 +1.8
NEW	Jette	12.68 19 ePn	Pn	07 38 58.4 -2.5
JTMT	Casper	12.73 54 ePn	Pn	07 38 55.4 -6.1
K22A	Cornudas Mount	12.75 104 ePn	Pn	07 38 59.2 +2.0
MNTX	Cornudas Mount	13.25 104 P	Pn	07 38 58.7 +1.5
MNTX	Cornudas Mount	13.25 104 P	Pn	
WALA	Waterton Lakes	13.99 18 ePn	Pn	07 39 09.9 +2.6
EGMT	Eggleton	14.47 30 ePn	Pn	07 39 11.8 -2.2
MISTX	Muleshoe	14.65 30 ePn	Pn	07 39 15.6 -1.0
LPXG	La Paz	14.70 140 LR	LR	07 44 58.0
NEW	comp=Z,523nm,18.6s,baz=332,slow=38		Lg	07 42 35.0
LLLB	Lillooet	14.72 357 ePn	Pn	07 39 11.9 -5.3
RSSD	Lilac Hills	15.01 52 ePn	Pn	07 39 20.8 -0.7
SLBS	Sierra La Lagu	15.23 140 ePn	Pn	07 39 27.2 -2.0
OGNE	Ogallala	15.30 65 ePn	Pn	07 39 31.2 +1.2
OGNE	Ogallala	15.30 65 P	Pn	07 39 26.3 +1.1
AMTX	Amarillo	15.38 88 ePn	Pn	07 39 28.0 -2.8
AMTX	Amarillo	15.38 88 P	Pn	07 39 27.6 -3.2
HPIG	Amarillo	15.49 121 ePn	Pn	07 39 33.7 +1.5
TX31	Lajitas Ar. Si	15.61 110 ePn	Pn	07 39 32.3 -1.2
TXAR	Lajitas Arroyo	15.61 110 P	Pn	07 39 32.3 -1.2
TXAR	0.2nm,0.3s,baz=292,slow=11,SNR=43		Lg	07 44 00.5
TXAR	0.0nm,0.3s,baz=299,slow=32,SNR=2.5		Lg	07 46 19.3
BBB	Bella Bella	17.14 344 LR	LR	07 47 09.3
ABTX	comp=Z,210nm,18.8s,baz=179,slow=40		P	07 39 55.0 +0.2
ABTX	Abilene, Hawle	17.54 95 P	Pn	07 39 53.4 -1.4
ABTX	Abilene, Hawle	17.54 95 P	Pn	
WMOK	Wichita Mounta	17.75 87 ePn	Pn	07 39 58.1 +1.0
WMOK	Wichita Mounta	17.75 87 P	Pn	07 39 56.5 -0.6
JCT	Junction City	18.13 102 ePn	Pn	07 40 00.9 -0.4
JCT	Junction City	18.13 102 P	Pn	07 40 00.5 -0.8
833A	Chaparral WMA,	19.38 107 ePn	Pn	07 40 15.6 -0.6
833A	Chaparral WMA,	19.38 107 P	Pn	07 40 15.3 -0.8
WHTX	Lake Whitney,	19.49 95 ePn	Pn	07 40 19.2 +1.8
WHTX	Lake Whitney,	19.49 95 P	Pn	07 40 16.6 -0.8

435B	Jarrell	19.79 98 P	Pn	07 40 18.7 -0.8
ECSD	EROS Data Cent	19.88 60 eP	Pn	07 40 21.0 -1.1
ECSD	EROS Data Cent	19.88 60 P	Pn	07 40 20.3 -1.7
TUL1	Leonard	19.99 83 eP	Pn	07 40 22.5 -0.9
TUL1	Leonard	19.99 83 P	Pn	07 40 21.1 -0.6
N36A	Muff Farm, Cl	20.57 69 P	Pn	07 40 27.8 -0.1
M36A	Felix, Anita	20.76 67 P	Pn	07 40 29.2 -0.8
Q37A	Longview Farm,	20.87 74 P	Pn	07 40 31.1 -0.1
P37A	Lathrop	20.96 72 P	Pn	07 40 31.3 -0.9
N38A	Diamond	21.08 79 P	Pn	07 40 32.9 -0.5
N37A	Lee Faris, Mou	21.14 69 eP	Pn	07 40 35.2 +1.2
N37A	Lee Faris, Mou	21.14 69 P	Pn	07 40 33.4 -0.7
O37A	Wolfen Farm, M	21.14 71 P	Pn	07 40 33.6 -0.5
LNIG	Linare	21.15 115 eP	Pn	07 40 34.1 -0.2
K36A	Gilmore City	21.19 64 P	Pn	07 40 34.5 -0.1
M37A	Trindle Farm,	21.31 67 P	Pn	07 40 35.8 -0.1
R38A	Fenwick Farm,	21.31 76 P	Pn	07 40 35.3 -0.7
S38A	Stockton	21.34 77 P	Pn	07 40 35.9 -0.4
H35A	Sunnyside Ranch	21.37 58 P	Pn	07 40 35.9 -0.6
J36A	Seneca 1, Swea	21.40 62 eP	Pn	07 40 36.4 +0.5
J36A	Seneca 1, Swea	21.40 62 P	Pn	07 40 36.1 -0.8
HHAR	Hobbs	21.44 81 eP	Pn	07 40 36.8 -0.6
HKT	Hockley	21.50 99 eP	Pn	07 40 38.6 +0.6
Q38A	Cooks Store, C	21.52 74 P	Pn	07 40 37.6 -0.6
X39A	Fountain Ranch	21.58 86 P	Pn	07 40 38.8 0.0
P38A	Dawn	21.59 72 eP	Pn	07 40 38.8 -0.2
P38A	Dawn	21.59 72 P	Pn	07 40 38.4 -0.6
O38A	Galt	21.66 71 P	Pn	07 40 39.2 -0.4
W39A	Magazine	21.72 84 eP	Pn	07 40 40.6 +0.3
W39A	Magazine	21.72 84 P	Pn	07 40 40.1 -0.2
V39A	Pettigrew	21.73 82 P	Pn	07 40 40.7 +0.1
U39A	Green Forest	21.79 81 P	Pn	07 40 40.5 -0.6
S39A	Bolivar	21.80 77 eP	Pn	07 40 41.4 +0.2
S39A	Bolivar	21.80 77 P	Pn	07 40 40.4 -0.8
T39A	Clever	21.81 79 P	Pn	07 40 40.4 -0.8
M38A	Pleasantville	21.96 67 P	Pn	07 40 42.6 -0.3
J37A	Reidant Farm,	21.96 62 P	Pn	07 40 42.3 -0.6
H36A	Jessenland, He	21.96 59 P	Pn	07 40 42.9 0.0
R39A	Chubby, Stover	21.99 76 P	Pn	07 40 42.6 -0.6
MIAR	Mount Ida	22.00 86 eP	Pn	07 40 43.9 +0.5
MIAR	Mount Ida	22.00 86 P	Pn	07 40 43.2 -0.2
Q39A	Willow Grove F	22.02 74 P	Pn	07 40 42.5 -1.1
P39B	Salisbury	22.19 72 P	Pn	07 40 44.3 -1.1
L38A	Oak Wood Farm,	22.21 65 P	Pn	07 40 45.2 -0.4
U40A	Yellville	22.30 81 P	Pn	07 40 46.4 -0.1
V40A	Witts Springs	22.42 82 eP	Pn	07 40 47.6 -0.1
V40A	Witts Springs	22.42 82 P	Pn	07 40 47.0 -0.6
K38A	Parkersburg	22.42 64 eP	Pn	07 40 47.1 -0.6
N39A	Derby Farms, D	22.44 69 eP	Pn	07 40 48.4 +0.4
N39A	Derby Farms, D	22.44 69 P	Pn	07 40 46.7 -1.3
S40A	Lebanon	22.45 77 P	Pn	07 40 46.8 -1.4
T40A	Manstfield	22.48 79 P	Pn	07 40 48.3 -0.2
R40A	Maddies Statio	22.60 76 eP	Pn	07 40 50.7 +1.0
R40A	Maddies Statio	22.60 76 P	Pn	07 40 48.9 -0.8
Q40A	Laux Farm, Aux	22.72 74 P	Pn	07 40 50.1 -1.0
M39A	Webster	22.73 67 P	Pn	07 40 50.2 -0.9
J38A	Woolly Dairy, R	22.74 62 P	Pn	07 40 50.7 -0.5
P40A	Paris	22.74 72 eP	Pn	07 40 51.1 -0.2
P40A	Paris	22.74 72 P	Pn	07 40 50.2 -1.0
U40A	Lac du Bonnet	22.84 44 P	Pn	07 40 52.5 +0.4
ULM	comp=Z,822nm,19.4s,baz=266,slow=6		LR	07 49 29.0
ULM	Lac du Bonnet	22.84 44 eP	Pn	07 40 52.7 +0.5
C35A	Jirik Farms, M	22.88 51 P	Pn	07 40 51.6 -1.1
O40A	La Belle	22.88 71 P	Pn	07 40 52.0 -0.7
SPMN	Marine on St.	22.90 58 P	Pn	07 40 52.3 -0.6
WHAR	Woody Hollow	22.91 83 eP	Pn	07 40 53.1 +0.1
Z41A	Richland Creek	22.92 89 eP	Pn	07 40 55.0 +1.9
L39A	Vinton	22.92 66 P	Pn	07 40 52.5 -0.6
V41A	Mountainview	22.94 82 P	Pn	07 40 52.9 -0.4
W41B	Gary Mavity, V	22.96 84 eP	Pn	07 40 53.6 0.0
W41B	Gary Mavity, V	22.96 84 P	Pn	07 40 53.2 -0.4
I38A	Scanlan Farm,	22.97 61 P	Pn	07 40 53.0 -0.6
U41A	Viola	23.05 80 P	Pn	07 40 54.3 -0.1
S41A	Jilco Farms,	23.05 77 P	Pn	07 40 54.5 0.0
K39A	Alertquake, Sal	23.07 64 P	Pn	07 40 53.5 -1.2
T41A	Mountain View	23.09 79 P	Pn	07 40 54.3 -0.6
N40A	Alertquake, Sal	23.13 69 P	Pn	07 40 53.8 -1.5
F37A	Hinrichs Farm,	23.14 56 P	Pn	07 40 54.4 -1.0
24				

Table with columns: ID, Name, Time, Az, El, P, M, Az, El, P, M. Includes stations like 62d Shocton, N44A Piper City, Q45A Warren Harvey, etc.

Table with columns: ID, Name, Time, Az, El, P, M, Az, El, P, M. Includes stations like H11S3 WAKE ISLAND Hy 65.69 276, PTGA Pitinga, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Az, El, P, M, Time, Res. Includes stations like KMSI Cibinong, MRSI Marisa, etc.

Table with columns: Name, Time, Res, Pmax, Smax, P, M, Az, El, P, M. Includes stations like NIZ comp=N,291nm,0.3s, NIZ comp=N,668nm,0.4s, etc.

IVK	Ivanovka	5.15 227	ePn	Pn	08 16 01.6	-0.3
IVK			e	Pb	08 16 08.1	
IVK			Pg	Pb	08 16 16.0	+1.4
IVK			eS	Sb	08 17 00.1	-1.8
IVK			eSg	Sb	08 17 22.9	+6.1
IVK	comp=Z,8.0nm,0.5s		Pmax			
IVK			Smax			
TLY	Talaya	5.56 230	e	Pn	08 16 04.7	-2.9
TLY			Pg	Pb	08 16 23.4	+1.7
TLY			eS	Sb	08 17 09.9	-2.2
TLY			eSg	Sb	08 17 35.2	+6.4
TLY	comp=Z,10.0nm,0.7s		Pmax			
TLY			Smax			
TLY	Talaya	5.56 230	ePn	Pb	08 16 24.0	+2.3
TLY			eS	Sb	08 17 09.4	-2.7
TUP	Tupik	5.57 97	ePn	Pn	08 16 08.4	+0.7
TUP			eS	Sb	08 16 26.4	
TUP			eSg	Sb	08 17 08.1	-4.1
TUP			max		08 17 37.2	-5.4
TUP	comp=Z,7.0nm,0.7s		Smax			
TUP			Smax			
TUP	Tupik	5.57 97	ePn	Pn	08 16 08.2	+0.5
TUP			eS	Sb	08 16 24.8	
TUP			e	Sb	08 17 09.5	-2.7
TUP			pmax	pmax	08 17 36.9	
TUP	comp=Z,8.0nm,0.5s		Smax	Smax		
TUP			Smax	Smax		
DZM	Dzmozak	5.90 168	ePn	Pb	08 16 11.8	-0.5
KPC	Khapcheranga		ePn	Pb	08 16 20.6	
KPC			ePg	Pb	08 16 30.3	+2.9
KPC			eS	Sb	08 17 17.1	-3.3
KPC			eSg	Sb	08 17 32.5	
KPC			eSg	Sg	08 17 47.3	-5.9
KPC	comp=N,3.0nm,0.6s		Smax			
KPC			Smax			
KPC	Khapcheranga	5.90 168	ePn	Pn	08 16 11.9	-0.4
KPC			eS	Sb	08 16 30.2	
KPC			e	Sb	08 17 17.3	-3.1
KPC			e	Sb	08 17 47.5	
KPC	comp=Z,6.0nm,0.2s		pmax	pmax		
KPC			Smax	Smax		
ARS	Arshan	5.96 237	ePn	Pn	08 16 13.1	0.0
ARS			eS	Sb	08 16 28.4	
ARS			eSg	Sg	08 17 19.4	-2.5
ARS			max		08 17 48.8	-6.3
ARS	comp=E,22nm,0.6s		Smax			
ARS			Smax			
ARS	Arshan	5.96 237	ePn	Pn	08 16 26.4	+1.6
ARS			eS	Sb	08 17 41.1	-1.8
ARS			eSg	Sg	08 18 14.6	-7.8
ARS			max			
ARS	comp=E,318nm,0.8s		Smax			
ARS			Smax			
MOY	Mondy	6.81 240	ePn	Pn	08 16 26.4	+1.6
MOY			eS	Sb	08 17 41.1	-1.8
MOY			eSg	Sg	08 18 14.6	-7.8
MOY			max			
MOY	comp=E,75nm,1.4s		Smax			
MOY			Smax			
MOY	Mondy	6.81 240	ePn	Pn	08 16 26.5	+1.6
MOY			eS	Sb	08 16 48.3	
MOY			e	Sb	08 17 42.6	-0.3
MOY			e	Sb	08 18 15.3	
MOY	comp=Z,11nm,0.6s		pmax	pmax		
MOY			Smax	Smax		
MOY			Smax	Smax		
ORL	Orlik	6.94 249	IPn	Pn	08 16 27.7	+1.2
ORL			e	Sb	08 16 31.7	
ORL			eS	Sb	08 16 43.9	
ORL			eSg	Sg	08 17 42.5	-3.5
ORL			max		08 18 19.2	-7.2
ORL	comp=E,18nm,1.1s		Smax			
ORL			Smax			
ORL	Orlik	6.94 249	ePn	Pn	08 16 27.8	+1.2
ORL			eS	Sb	08 16 49.4	
ORL			e	Sb	08 17 43.1	-2.9
ORL			e	Sb	08 18 18.8	
ORL	comp=Z,18nm,0.7s		pmax	pmax		
ORL			Smax	Smax		
ORL	Ulaabaatar	7.91 197	e	Pg	08 17 10.2	-5.1
ORL			eSg	Sb	08 18 01.9	
ORL			eSg	Sg	08 18 51.6	-6.1
ORL			Pn	Sb	08 16 43.8	+1.9
SOMM	Songino Array	8.06 200	Pn	Pg	08 17 12.2	-5.9
SOMM			Pg	Pg	08 17 12.2	-5.9
SOMM	comp=N,0.6nm,0.3s,baz=5.7,slow=16,SNR=4.2		Lg		08 18 58.7	
TDJR	Todzha	9.02 256	e	Sb	08 18 46.4	
TDJR			eS	Sb	08 19 22.2	+4.5
ERNS	Erzin	10.62 247	e	Sb	08 20 06.9	
ERNS			eSg	Sb	08 20 13.2	+5.7
ZALV	Zalesovo Beam	14.88 275	Pn	Pn	08 18 15.9	+1.0
ZALV	comp=N,0.4nm,0.3s,baz=80,slow=12,SNR=2.0		Pn			
MKAR	Makanchi Array	19.58 255	P	Pn	08 19 16.1	+1.9
MKAR	comp=N,0.1nm,0.3s,baz=46,slow=10,SNR=4.1		Pn			

ISCJB 06 08:41:52.0:7.0:6.83N:0.03:73:16W:0.04:h153km,5km
 mb2.7/1, Error ellipse: s-maj=5.7km s-min=5.3km az=22.7
 RSNK 06 08:41:53.6:0.8:6.79N:73:17W:h146km,3km,ML3.4
 IDC 06 08:41:54.5:6.6:6.71N:73:23W,h180km,42km,mb2.6/1,
 mb1 3.2/2,mb1mx2.8/45,mbtmp3.3/2, Error ellipse:
 s-maj=110.6km s-min=42.2km az=74.0
 ISC 06 08:41:52.7:1.0:6.83N:0.04:73:14W:0.05:h150km,7km,
 n22,e0.99/38,1C-10,Northern Colombia

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
BARC	Barichara	0.24 190	IPn	Pn	Pn	08 42 13.4	+0.1
BARC			eS	Sb	Pn	08 42 28.3	+0.8
BARC			eS	Sb	Pn	08 42 29.9	
BRRC	Barraza, Sant	0.63 296	eP	Pn	Pn	08 42 15.3	+0.5
BRRC			eS	Sb	Pn	08 42 32.0	+0.5
BRRC			eS	Sb	Pn	08 42 33.4	
PAMC	Pampiona, Colo	0.67 41	IPn	Pn	Pn	08 42 16.2	+0.6
PAMC			eS	Sb	Pn	08 42 33.2	+0.2
RUSC	La Rusia	0.93 176	ePn	Pn	Pn	08 42 17.4	-0.1
RUSC			eS	Sb	Pn	08 42 35.3	-1.1
RUSC			i		Pn	08 42 37.2	
PTBC	PUERTO BERRIO,	1.34 258	eP	Pn	Pn	08 42 20.0	-0.6
PTBC			eS	Sb	Pn	08 42 40.9	-1.0
PTBC			i		Pn	08 42 43.5	
TAMC	Tame, Arauca	1.40 106	IPn	Pn	Pn	08 42 21.7	+0.4
TAMC			i		Pn	08 42 21.9	
OCAC	Ocana	1.41 353	eP	Pn	Pn	08 42 21.5	-0.1
OCAC			eS	Sb	Pn	08 42 44.0	+0.5
YOPC	Yopal, Colombi	1.63 154	eP	Pn	Pn	08 42 23.6	-0.2
YOPC			eS	Sb	Pn	08 42 47.4	-0.2
YOPC			i		Pn	08 42 49.8	
ZARC	Zaragoza, Caus	1.82 291	eP	Pn	Pn	08 42 25.9	+0.1
ZARC			eS	Sb	Pn	08 42 51.0	-0.2
ZARC			i		Pn	08 43 02.2	
NORC	Norcasia	2.13 234	eP	Pn	Pn	08 42 29.0	-0.4
NORC			eS	Sb	Pn	08 42 57.0	-0.6
CHIC	Chingaza	2.26 195	eP	Pn	Pn	08 42 31.2	-0.2
CHIC			i		Pn	08 42 32.1	
CHIC			eS	Sb	Pn	08 43 00.2	-0.9
ROSC	Ei Rosal	2.30 211	P	Pn	Pn	08 42 33.6	+1.8
ROSC	comp=Z,39nm,0.3s,baz=0.2,slow=3.3,SNR=132		S				
ROSC			S			08 43 04.3	+2.5
ROSC	comp=Z,56nm,0.3s,baz=300,slow=20,SNR=7.3		S				

HEL	Santa Helena	2.46 255	eP	Pn	08 42 33.9	+0.3
HEL			eS	Sb	08 43 04.6	-0.5
HEL			i		08 43 12.6	
UREC	San Jos' de U	2.54 291	eP	Pn	08 42 33.6	-0.7
GUVC	Guyana, Colomb	2.75 235	eP	Pn	08 42 37.8	+0.4
GUVC			eS	Sb	08 43 11.1	-0.6
GUVC			i		08 43 19.9	
VILC	Villavicencio,	2.76 192	eP	Pn	08 42 36.6	-0.6
VILC			eS	Sb	08 43 10.6	-0.9
VILC			i		08 43 13.8	
DBBC	Dabeiba	3.05 274	eP	Pn	08 42 40.9	0.0
SDV	Santo Domingo	3.22 50	S	Pn	08 43 19.9	-2.1
ANIL	Santa Ana	3.23 224	eP	Pn	08 42 43.9	+0.6
ANIL			eS	Sb	08 43 21.3	-1.2
PRAC	Prado	3.55 209	eP	Pn	08 42 46.6	-0.6
PRAC			eS	Sb	08 43 29.1	-0.3
TXAR	Lajitas Array	36.44 312	eP	P	08 48 42.3	-1.1
WRA	Warramunga Arr	150.32 241	PKPbc	PKPbc	09 01 24.6	+2.7
WRA	comp=Z,0.1nm,0.5s,baz=126,slow=7.7,SNR=3.4		PKPbc			
WRA	comp=Z,0.1nm,0.4s,baz=108,slow=2.9,SNR=8.6		PKPbc			

IDC 06 09:09:51.3:4.4, 20.72S:168.349E,h0km,mb4.1/3,
 mb1 4.2/4,mb1mx3.8/43,mbtmp4.0/4,ML3.5/1,MS3.1/3,
 Ms1 3.1/3,ms1mx2.7/45, Error ellipse: s-maj=127.6km
 s-min=42.2km az=136.0, Loyalty Islands

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
DZM	Mont Dzuzak	2.34 234	Pn	Pn	Pn	09 10 30.0	-1.1
DZM			Sb	Pn	Pn	09 10 54.7	-5.8
DZM			LR	LR	LR	09 11 27.5	
AFI	Afiama	20.01 73	LR	LR	LR	09 20 37.9	
STKA	Stephens Creek	26.48 240	LR	LR	LR	09 25 34.2	
WRA	Warramunga Arr	32.00 265	P	P	P	09 16 20.4	-0.2
ASAR	Alie Springs	32.11 258	P	P	P	09 16 20.4	-0.2
FITZ	Fitzroy Cross	40.42 266	P	P	P	09 17 32.3	+0.8
GERES	Gerres Array B	145.44 330	PKPbc	PKPbc	PKPbc	09 29 30.2	-1.1
GERES			PKPbc			08 48 42.3	-1.1

ISK 06 09:17:16.3:38.77N:43.61E,h10km,ML2.5/6
 ISCJB 06 09:17:17.1:0.6:38.77N:0.03:43.65E:0.06,h14km,4km,
 Error ellipse: s-maj=8.2km s-min=4.4km az=21.3
 DDA 06 09:17:17.3:38.76N:43.64E,h7km,ML3.4
 ISC 06 09:17:17.1:1.0:38.77N:0.04:43.64E:0.05,h15km,9km,
 n14,e0.65/21,Turkey

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
VMUR	Van-Muradiye	0.23 347	IP	Pn	Pn	09 17 21.8	-0.5
VMUR			eS	Sb	Pn	09 17 27.2	+1.2
VANB	Van	0.26 229	PG	Pb	Pb	09 17 22.5	-0.6
VANB			SG	Sb	Pb	09 17 27.7	-0.1
TVAN	Van	0.30 218	iP	Pb	Pb	09 17 23.3	-0.1
TVAN			iS	Sb	Pb	09 17 28.9	-0.1
ERCV	ERCIŞ-VAN	0.35 318	PG	Pb	Pb	09 17 23.4	-0.9
CLDR	Caldiran	0.44 30	PG	Pb	Pb	09 17 25.1	+0.8
CLDR	Caldiran	0.44 30	PG	Pb	Pb	09 17 25.1	-0.8
CLDR	Caldiran	0.44 30	iP	Pb	Pb	09 17 33.5	+0.4
TUTA	Tutak	0.90 315	iP	Pb	Pb	09 17 34.3	-0.3
TUTA			iS	Sb	Pb	09 17 45.3	+0.8
AGRB	Hanur-Agry	0.95 328	PG	Pb	Pb	09 17 34.7	-0.9
AGRB			SG	Sb	Pb	09 17 48.2	+0.3
GURO	Guroymak-BITLI	1.27 261	PN	Pn	Pn	09 17 40.2	-0.2
TASB	TASBURUN-IGDIR	1.30 21	PN	Pn	Pn	09 17 41.2	+0.4
CUKT	Cukurca	1.52 181	PN	Pn	Pn	09 17 44.3	+0.6
SIRT	Sirtak	1.58 217	PN	Pn	Pn	09 17 44.9	+0.4
GNI	Garni	1.63 31	PN	Pb	Pb	09 17 46.6	-0.2
SVAN	Silvan-Diyarba	2.01 253	PN	Pn	Pn	09 17 51.0	+0.5

NIED 06 09:31:00,45:60N:142:90E,h380km,Mw4.5 Best
 double couple: Ms:3.9000;1015 NP1:φ:40.00000°,
 δ:21.00000°,λ:151.00000°. NP2:φ:157.00000°,δ:80.00000°,
 λ:71.00000°
 BUJ 06 09:31:25.5:45:75N:142:87E,h319km,mb4.6/37,
 mb4.6/22
 MOS 06 09:31:26.2:0.9:45:68N:142:80E,h321km,mb4.3/41,
 Error ellipse: s-maj=7.8km s-min=5.6km az=81.8
 NEIC 06 09:31:26.6:0.3:45:70N:142:79E,h311km,3km,
 mb4.4/173, Error ellipse: s-maj=5.3km s-min=3.2km
 az=155.0
 IDC 0

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Table with columns: Station, Name, Time, Frequency, Mode, Power, SNR, and other technical details. Includes stations like MAT Matsushiro, MJAR Matsushiro Arr, EKMR Ekimchan, SKR Severo-Kuril's, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, SNR, and other technical details. Includes stations like MK01 Makanchi Array, MCK McKinley, MDM Murphy Dome, etc.

Table with columns: Station, Name, Time, Frequency, Mode, Power, SNR, and other technical details. Includes stations like OBN Obninsk, LTY Liberty, SUMG Summit, etc.

6d 10h

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Gary Mavity, Woolly Hollow, Fergusson Farm, etc.

2012 AUG

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Albuquerque, Cedar Bluff, Trinidad, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ULM, Lac du Bonnet, Dagmar, etc.

IDC 06 09:55:20.9:712.0,50:61N:87.79E,h0km,mb1 3.3/2, s-maj=273.7km s-min=253.0km az=116.0, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like I45RU, I46RU, I30JP.

IDC 06 09:56:17.5:2.7,53:54N:87.79E,h0km,mb1 3.3/2, s-maj=22.9km s-min=15.2km az=62.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like I46RU, ZALV, ZALV, etc.

GUC 06 10:20:08.6:0.5,24:03S:67.89W,h240km,ML3.8,7C, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PB06, PB14, PB05, etc.

IDC 06 10:28:27.4:2.8,23:55S:179.95E,h498km,31km, mb3 1/10,mb1 3.3/11,mb1 3.3/11,mb1 3.3/11, Error ellipse: s-maj=26.5km s-min=19.5km az=161.0, ISCBJ 06 10:28:29.3:0.6,23:75S:0:09:179.9E:0.1,h535km, mb3 4/10, Error ellipse: s-maj=17.5km s-min=11.4km az=15.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like URZ, CTA, ASAR, etc.

PDAR Pinedale Array 92.69 44 P P 10 40 44.5 -0.6
ARCES ARCES Array B 131.84 348 PKP PKPfd 10 46 40.5 -1.2

GUC 06 10:29:56.4-0.6, 33.705:72.16W, h45km, 6km, ML3.3
SJA 06 10:20:00.3-0.9, 33.375:72.16W, h45km, ML3.1, MW3.5
ISC 06 10:29:56.5-1.8, 33.739:0.05:72.01W, 0.10, h11km, 12km,
n14, c1912/23, 3C-2D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ROC1, ANTU, ROCH, GO05, PEL, CLCH, LME1, FCH, AUSP, ARCO, AAGR, RCTV, RTLL, AMOG.

MAN 06 10:33:27.6, 13.66N:120.63E, h95km, mb3.9, ML2.6,
MS2.2, 1C, Mindoro

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PGP, LUBP, BUSP, DRN.

MOS 06 10:37:24.5-0.0, 41.58N:49.89E, h10km, 4km, MPV4.4
MOS 06 10:37:37.6-2.1, 41.69N:48.99E, h29km, mb4.1/1, Error
ellipse: s-maj=22.9km s-min=8.5km az=33.6

DRS 06 10:37:39.6-0.0, 41.87N:49.20E, h22km
ISC 06 10:37:35.6-3.1, 41.70N:0.08:49.2E-0.2, h52km, 19km,
n28, c1966/41, 4C-2D, Caspian Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DRN, KSMR, AKT, URKR, KMKR, KNRN, DBC, DDFL, BTLR, KIV, OBN.

NEIC 06 10:38:54.3-0.0, 18.08N:101.25W, h57km, MD4.0(MEX),
After MEX,
MEX 06 10:38:54.3-0.0, 17.08N:101.25W, h57km, 8km, MD4.0,
Guerrero

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZLIG, ARIG, CAIG, URUA, MEIG, MOIG, PLIG, MMIG, TLIG, CLIG, CJM.

ISCJBJ 06 10:39:56.6-0.8, 15.25S:0.3:174.0W:0.2, h50km, mb3.7/7,
Error ellipse: s-maj=42.0km s-min=10.4km az=150.0
IDC 06 10:40:01.2-3.0, 15.28S:173.98W, h77km, 27km, mb3.4/7,
mb1 3.7/8, mb1mx3.4/56, mbtmp3.7/8, Ms1.9/1, Ms1 1.9/1,
ms1mx1.8/21, Error ellipse: s-maj=39.3km s-min=18.5km
az=145.0

ISC 06 10:39:58.4-0.9, 15.25S:0.3:174.1W:0.2, h50km, n9,
ms1 1.9/1, mb3.6/7, Tonga Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AFI, WRA, ASAR, NVAR, QSPA, TXAR, ILAR, BRTR.

IDC 06 10:52:12.0-0.7, 45.38N:153.09E, h0km, mb3.9/11,
mb1 0.4/14, mb1mx3.7/77, mbtmp3.8/14, ML3.5/3, MS2.9/2,
Ms1 2.9/2, ms1mx2.3/70, Error ellipse: s-maj=21.0km
s-min=18.4km az=110.0

ISCJBJ 06 10:52:25.2-0.6, 45.31N:0.09:152.59E:0.08, h35km,
mb3.9/12, MS3.3/1, Error ellipse: s-maj=14.8km
s-min=14.0km az=154.0

JMA 06 10:52:25.7-0.7, 45.75N:152.67E, h30km, M4.2

SKHL 06 10:52:26.5-0.9, 45.76N:152.51E, h39km, 3km, mb4.4/3

ISC 06 10:52:25.3-0.8, 45.28N:0.09:152.83E:0.08, h35km, n42,
c333/47, mb3.9/12, East of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR, SHO, NEM2, JRA, SKR, SKR, SKR, JAK, JTKR, JAR, JAR, JAR, JCH, ASAJ, MYR, JNBK, PETK, JNB, JKB, JNG, JHT, OFJU, MIAO, SEY, KSR5, H1S1, H1S3, H1S2, KURBB, HNR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NVAR, FINES, PINE, WRA, NOA, HFS, ASAR, AKASG, EKA, TXAR, BRTR, PLCA.

NEIC 06 10:54:54.4-0.0, 17.10N:94.75W, h186km, MD4.1(MEX),
After MEX,
MEX 06 10:54:54.4-0.0, 17.10N:94.75W, h186km, 13km, MD4.1,
Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TUIG, HUIG, VHO, PCIG, CCIG, TPIG, PNIG, TLIG, BRTR.

ISCJBJ 06 10:57:50.7-0.5, 40.02N:0.03:38.94E:0.04, h12km, 7km,
Error ellipse: s-maj=5.4km s-min=4.9km az=92.7
DDA 06 10:57:50.9, 39.99N:38.92E, h7km, M12.7
ISK 06 10:57:50.4, 40.04N:38.95E, h8km, ML2.9/3
ISC 06 10:57:50.4, 40.00N:0.03:38.92E:0.03, h11km, 13km,
n15, c0944/20, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KELT, SUSE, ILLC, REFA, GUMT, ERZAN, KEMA, ESPY, TUNCL, BAYT, GRES, KTUT, HEKM, SVRC, CHOM.

DDA 06 11:17:11.5, 36.98N:30.71E, h7km, M12.3
ISK 06 11:17:12.8, 37.19N:30.45E, h5km, ML2.6/2
ISCJBJ 06 11:17:14.4-0.6, 37.17N:0.04:30.45E:0.05, h6km, 10km,
Error ellipse: s-maj=8.4km s-min=6.1km az=137.7
ISC 06 11:17:13.7-1.1, 37.15N:0.05:30.54E:0.04, h5km, 12km,
n10, c0919/15, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KORT, KORT, ANTB, SUTC, ELL, BRDH, GOLH, BAGO, DALY, KONT.

IDC 06 11:24:57.5-7.3, 5.74S:148.70E, h108km, 56km, mb3.1/2,
mb1 3.0/4, mb1mx2.9/46, mbtmp3.3/4, Error ellipse:
s-maj=83.2km s-min=53.0km az=132.0, New Britain
region

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

ISCJBJ 06 11:49:12.5-0.3, 52.29S:0.06:13.5E:0.1, h10km,
mb4.8/31, MS4.4/17, Error ellipse: s-maj=9.8km
s-min=7.9km az=175.3
IDC 06 11:49:12.0-0.4, 52.32S:13.68E, h0km, mb4.6/19,
mb1 4.7/19, mb1mx4.5/49, mbtmp4.6/19, MS4.4/13,
MS1 4.4/13, ms1mx4.0/42, Error ellipse: s-maj=15.8km
s-min=14.0km az=82.0

NEIC 06 11:49:13.9-0.2, 52.29S:13.63E, h10km, mb5.0/20, Error
ellipse: s-maj=8.1km s-min=7.2km az=77.0
BJI 06 11:49:15.8, 52.30S:13.40E, h10km, Ms5.0/1, Ms7 4.7/1
GMT 06 11:49:16.9, 52.31S:0.01:13.84E:0.04, h12km,
MW5.1/84, Moment Tensor Solution. s19:2c1, s19:2c119;

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BINGOL, Hanur-Agry, Bing'jid, etc.

ISCJB 06 12:45:51.7±0.5, 54.0S:0.2±137.2W:0.2, h10km, mb4.3/12, MS4.0/15, Error ellipse: s-maj=23.0km s-min=12.8km az=165.9

IDC 06 12:45:51.8±0.7, 54.0S:0.2±137.2W:0.2, h0km, mb4.1/7, mb1 4.3/7, mb1mx4.0/42, mbtmp4.1/7, MS3.9/15, Ms1 3.9/15, ms1mx3.7/40, Error ellipse: s-maj=36.0km s-min=19.8km az=171.0

NEIC 06 12:45:53.4±0.3, 53.93S:137.17W, h10km, mb4.4/6, Error ellipse: s-maj=19.1km s-min=10.7km az=167.0

ISC 06 12:45:53.0±0.6, 53.9S:0.2±137.3W:0.1, h10km, n45, c#091/27, mb4.4/12, MS4.0/15, Pacific-Antarctic Ridge

Main station list table for the first section, including stations like Rikitea, Vanda, Tubuai, etc.

DJA 06 12:51:32.2±1.0, 0°N:5°10'E±, h172km, 8km, M3.5/5, ML3.5/5, Northern Sumaterra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mandailing Nat, Pulau Batu, Saibi, etc.

ISK 06 13:00:49.9, 38°70N:43.08E, h5km, ML2.7/1 DDA 06 13:01:48.2, 38°62N:43.12E, h13km, M2.9

ISC 06 13:00:50.5±1.1, 38.58S:0.04±43.11E:0.03, h15km, 11km, n8, c#879/14, Turku

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

MEX 06 13:03:40.9±0.8, 17°32N:100°91W, h4km, 9km, M3.5/3, Guerrero

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like El Cayaco, Acapulco, Puente Sto Nin, etc.

NIED 06 13:13:00, 38°20N:141.70E, h50km, Mw4.2 Best double couple: Me2.02000:1015 NP1±223.00000:827.00000:λ112.00000°: NP2±6.180000:δ65.00000:λ79.00000°

ISCJB 06 13:13:32.8±0.7, 38°17N:0.03±141.72E:0.07, h56km, 5km, mb3.9/21, Error ellipse: s-maj=10.1km s-min=5.1km az=19.1

JMA 06 13:13:33.7±0.1, 38°18N:141.69E, h51km±1km, M4.0 JMA Felt II J

IDC 06 13:13:33.9±0.5, 38°20N:141.56E, h47km, 3km, mb3.7/21, mb1 3.9/23, mb1mx3.7/72, mbtmp4.0/23, MS3.0/4, Ms1 3.0/4, ms1mx2.7/67, Error ellipse: s-maj=14.2km s-min=11.5km az=90.0

ISC 06 13:13:33.6±0.5, 38°19N:0.04±141.74E:0.06, h48km, 3km, n48, c#126/64, mb4.0/21, Near east coast of Sumatra

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

ISC 06 13:28:44.4, 11°40N:125°63E, h17km, mb5.6, ML4.6, MS4.9

ISCJB 06 13:28:46.2±0.5, 11°36N:0.03±125°59E:0.05, h72km, 4km, mb4.4/55, Error ellipse: s-maj=7.9km s-min=4.2km az=162.9

IDC 06 13:28:46.8±2.6, 11°25N:125°44E, h61km, 23km, mb4.1/31, mb1 4.2/31, mb1mx1.5/9, mbtmp4.4/31, MS3.1/32, Ms1 3.0/12, ms1mx3.0/61, Error ellipse: s-maj=16.6km s-min=9.0km az=76.0

BUII 06 13:28:49.0, 11°31N:125°65E, h100km, mb4.6/14, MB5.2/7 NEIC 06 13:28:52.0±1.2, 11°22N:125°50E, h114km, 11km, mb4.6/25, Error ellipse: s-maj=6.9km s-min=4.7km az=79.0

NEIC Felt II [IV PIVS] at Borongan, Llorente and Maydolong; [III PIVS] at Guilan, Sulat and Tait; [II PIVS] at Can-Avid, Cabalagan and Dolores. Also Felt [III PIVS] at Tacloban and [II PIVS] at Palo and Tolosa, Leyte

ISC 06 13:28:46.8±1.0, 11°35N:0.04±125°60E:0.06, h60km, 9km, n147, c#122/156, mb4.6/55, 43-Phase, Samar

Main station list table for the second section, including stations like Palo, Ormoc, Maasin, etc.

SOME 06 13:19:27.6±4.6, 62N:82°25E, h15km NNC 06 13:19:29.2±1.4, 67N:82°24E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=30.3km s-min=5.2km az=116.0

ISC 06 13:19:28.2±1.4, 62N:0.07±82.3E:0.1, h28km, 1km, n9, Error ellipse: s-maj=30.3km s-min=5.2km az=116.0

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

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

Main station list table for the third section, including stations like Warramunga Arr, Warramunga Arr, etc.

ISC 06 14:15:47.0-0.4,3571N-004:77.77E:0.04,h100km,n178,
c244/193,mb4.4/5,16C-14D,Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DHARAMSHALA, Kashi, Dharamshala, etc.

Table with columns: LSA, LSHA, OTUK, OTU, etc. Lists stations like Lhasa, Ortau, Kurchatov, etc.

Table with columns: KSAR, Wnju, MLR, etc. Lists stations like Wnju Array, Munje Array, etc.

NNC 06 14:25:56.9-4.0,3619N:70:59E,h216km,e67km,mb2.4,
mp3.6,Error ellipse: s-maj=49.4km s-min=38.6km

ISC 06 14:25:56.1-4.5,3638N:70:76E:0.2,h200km,n11,
c076/14,5C-3D,Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SFK, AML, MNAS, etc.

IDC 06 14:29:19.8-1.9,9:33N-8:84W,h0km,mb3.8/5,mb1 3.8/8,
mb1mx3.5/60,mb1mp3.7/8,ML3.6/3,Error ellipse:
s-maj=35.9km s-min=32.6km az=80.0

NEIC 06 14:29:21.5-0.8,9:34N-8:74W,h10km,mb4.8/1,Error
ellipse: s-maj=15.5km s-min=12.7km az=115.0

ISC 06 14:29:20.8-1.0,9:05N:100:84OW:0.09,h10km,n18,
c138/21,mb3.9/5,Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TIC, DBIC, LIC, etc.

MOS 06 15:22:13.0, 0.1, 38.76N-24.83E, h33km, mb4.2/4, Error ellipse: s-maj=8.4km s-min=5.6km az=86.0
ISC 06 15:22:12.0, 0.5, 38.75N, 0.02, 24.83E, 0.01, h14km, 3km, n420, 0.116/494, mb4.1/22, MS3.6/12, 3.1-13D, Aegean Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Includes stations like Skiros Island, Psara, Alonissos, Chios island, Athens Observa, etc.

Table with columns: LKR, Lokris, 1.43 266, P, S, Pn, 15 22 37.1 -0.4. Includes stations like Lokris, Paliouri, Prodromos, etc.

Table with columns: HORT, Hortiatis, 2.27 325, PN, Pn, 15 22 48.9 -0.2. Includes stations like Hortiatis, Ano Chora, etc.

Table with columns for station name, frequency, and other identifiers. Includes stations like UPM Unac-Piva, TREV Trebinje, BRY Bratislog, etc.

Table with columns for station name, frequency, and other identifiers. Includes stations like PAB San Pablo, FINES FINESS Array B, FINES NORSAR Array S, etc.

Table with columns for station name, frequency, and other identifiers. Includes stations like TK02 Tokai 2, TK04 Tokai 4, JOD2 Odawara 2, etc.

NIED 06 15:25:00, 33°60'N, 139°70'E, h125km, Mw4.0 Best double couple: Mt 1.23000°10'15' N P1=5.00000°, 321.00000°, 1.86.00000°. NP2=189.00000°, 0.69.00000°, 1.91.00000°. ISCJL 06 15:25:41.9-0.3, 33°48'N, 139°55'E, 0'05, h150km, mb4.0/2, Error ellipse: s-maj=6.6km s-min=5.1km az=31.6

ISCJB 06 15:31:50.6-0.2, 6°83'N, 0°03'73"W, 0'03, h159km, 2km, mb4.2/2, Error ellipse: s-maj=4.9km s-min=4.2km NEIC 06 15:31:51.4-0.4, 6°78'N, 73°15'W, h156km, 5km, mb4.2/2, Error ellipse: s-maj=7.5km s-min=6.2km az=88.0

couple: M3.990000,1014 NP1.3:117.00000, 839.00000,
lambda 10.00000, NP2.3:19.00000, 884.00000, lambda 129.00000,
JMA 06 17:23:30.8, 0.1, 38.31N:142.13E, h37km, 1km, M4.3
JMA Felt II J1.
IDC 06 17:23:30.2, 2.2, 38.30N:142.20E, h41km, 22km, mb3.6/13,
mb1 3.7/17, mb1mx3.5/73, mbtmp3.8/17, MLJ.3/4, MS3.0/4,
Ms1 3.0/4, ms1mx2.5/71, Error ellipse: s-maj=21.3km
s-min=14.3km az=107.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Chichi jima, Chichijima, Odawara 2, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Monte Pirata, Saint Thomas, Pamplona, etc.

ISC 06 17:23:28.0, 1.8, 38.27N:0.04:142.15E:0.07, h12km, 10km,
n38, r129/42, mb3.7/14, Near east coast of eastern

MAN 06 18:20:08.8, 6.23N, 125.65E, h103km, mb4.3, ML3.1,
MS2.8, 1D, Mindanao

IDC 06 17:43:30.0, 6.4, 36.38N:71.39E, h124km, 53km, mb3.3/6,
mb1 3.3/12, mb1mx3.1/76, mbtmp3.7/12, MS4.0/1,
Ms1 4.0/1, ms1mx2.4/62, Error ellipse: s-maj=46.3km
s-min=18.1km az=30.0
NNC 06 17:43:32.2, 2.1, 36.71N:70.80E, h123km, 41km, mb3.4,
mpv4.1, Error ellipse: s-maj=23.9km s-min=17.2km
az=116.0

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Don Marcelino, General Santos, Mati, Bagumbayan, etc.

ISC 06 17:43:30.6, 2.1, 36.68N:0.2:70.8E:0.1, h100km, n27,
o583/29, mb3.6/77, 3C-9D, Hindu Kush region

NNC 06 18:20:44.3, 1.6, 36.36N:71.14E, h150km, 87km, mb2.7,
mpv3.6, 1C-3D, Error ellipse: s-maj=48.7km
s-min=12.7km az=72.0, Afghanistan-Tajikistan border

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sufi-Kurgan, Amlayashu, Manas, etc.

ISC 06 18:25:09.9, 2.2, 6.102N:146.95E, h72km, 19km, mb3.7/11,
mb1 3.9/16, mb1mx3.7/55, mbtmp4.1/16, Error ellipse:
s-maj=26.8km s-min=12.8km az=71.0
DJA 06 18:25:13.6, 2.3, 7.58N:147.7E, 1.0, h24km, 24km, M4.6/3,
mb5.3/1, mb4.5/3, MLV4.6/3, MW(mB)4.8/1

ISC 06 18:25:10.3, 1.1, 6.355N:0.10:146.8E:0.1, h50km, n27,
o279/17, mb4.1/11, Eastern New Guinea region

MEX 06 17:25:12.9, 1.2, 19.30N:104.25W, h10km, 5km, MD3.5,
Near coast of Jalisco

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Port Moresby, Jayapura, Genyem, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

IDC 06 18:26:09.2, 5.0N, 123.00E, h50km, M4.6 Best double
couple: M7.630000,1015 NP1.3:273.00000, 831.00000,
lambda 119.00000, NP2.3:6.00000, 863.00000, lambda 74.00000,
ISCJB 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

DJA 06 18:12:21.1, 1.7, 3.57N:130.0E, h23km, 17km, M3.5/6,
MLV3.5, Seram

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Vanda, Kuran, Kurbb, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

JMA 06 18:26:10.3, 0.1, 24.35N:122.95E, h49km, 1km, M4.4
JMA Felt II J1.
TAP 06 18:26:10.0, 24.34N:122.95E, h45km, ML4.9,C
IDC 06 18:26:16.4, 5.5, 24.44N:122.90E, h106km, 54km,
mb3.6/10, mb1 3.7/12, mb1mx3.4/68, mbtmp3.9/12,
MS3.5/19, Ms1 3.5/19, ms1mx3.3/74, Error ellipse:
s-maj=22.8km s-min=14.4km az=73.0

ISC 06 17:32:08.8, 1.5, 2.4N:0.2:93.9E:0.2, h17km, mb3.6/5,
MS3.1/1, Error ellipse: s-maj=30.9km s-min=15.6km
az=143.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NIED, Kura, Kow, etc.

IDC 06 17:32:08.1, 2.1, 2.44N:93.88E, h0km, mb3.6/5, mb1 3.8/7,
mb1mx3.5/68, mbtmp3.6/7, ML3.5/2, MS3.1/1, Ms1 3.1/1,
ms1mx2.2/58, Error ellipse: s-maj=63.9km s-min=21.7km
az=57.0

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Psi, CMAR, H0S2, etc.

JMA 06 18:26:10.3, 0.1, 24.35N:122.95E, h49km, 1km, M4.4
JMA Felt II J1.
TAP 06 18:26:10.0, 24.34N:122.95E, h45km, ML4.9,C
IDC 06 18:26:16.4, 5.5, 24.44N:122.90E, h106km, 54km,
mb3.6/10, mb1 3.7/12, mb1mx3.4/68, mbtmp3.9/12,
MS3.5/19, Ms1 3.5/19, ms1mx3.3/74, Error ellipse:
s-maj=22.8km s-min=14.4km az=73.0

ISC 06 17:32:10.6, 1.9, 2.4N:0.2:93.9E:0.2, h17km, n13, o099/7,
mb3.8/5, Off west coast of northern Sumatara

ISC 06 18:19:37.7, 1.0, 18.6N:0.1:68.5W:0.06, h138km, 8km,
Error ellipse: s-maj=18.8km s-min=8.1km az=168.6
NEIC 06 18:19:37.4, 0.0, 18.48N:68.62W, h144km, MD3.8(RSPR),
After RSPR.
RSPR 06 18:19:37.4, 18.48N:68.62W, h144km, 1km, MD3.8/11
ISC 06 18:19:37.8, 1.4, 18.5N:0.1:68.62W:0.05, h141km, 10km,
n33, o096/43, 16C-7D, Mona Passage

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

ISC 06 17:43:02.7, 1.2, 2.27N:17N:143.51E, h0km, mb3.9/3,
mb1 4.1/5, mb1mx3.4/72, mbtmp4.0/5, ML3.7/2, MS3.6/1,
Ms1 3.6/1, ms1mx2.2/61, Error ellipse: s-maj=25.8km
s-min=21.1km az=49.0

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

ISCJB 06 17:43:04.3, 1.0, 2.27N:17N:143.51E:0.09, h33km,
mb4.0/3, Error ellipse: s-maj=12.6km s-min=7.4km
az=34.4

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

JMA 06 17:43:06.0, 6.0, 1.27N:143.37E, h87km, M2.8

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Masofo, Ambon, FAKI, etc.

ISC 06 18:26:09.7, 0.2, 24.32N:122.97E:0.01, h54km, 3km,
mb3.8/15, MS3.5/14, Error ellipse: s-maj=2.8km
s-min=2.0km az=170.3

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like NAMB, TWB1, ENA, NTC, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like SSSL, TYC, YUS, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like JHJ, DAV, MJAR, etc.

IDC 06 18:29:44.5:0.8,32°87N:77°17E,h0km,mb3.7/14, mb1.3/9/16,mb1mx3.6/72,mbtmp3.7/16,ML3.3/2,Error ellipse: s-maj=27.3km s-min=15.4km az=51.0

ISCJB 06 18:29:48.2:0.6,33°03N:0°05:73E:0.1,h33km, mb3.7/13,Error ellipse: s-maj=13.1km s-min=7.3km az=166.4

NNC 06 18:29:49.0:4.8,33°19N:76°89E,h0km,mb3.8,mpv4.0, Error ellipse: s-maj=67.3km s-min=41.5km az=89.0

ISC 06 18:29:50.2:0.8,33°03N:0°08:77E:0.1,h35km,n25, $\Delta z=26.30\text{m}$,mb3.7/13,5C-6D,Eastern Kashmir

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and other parameters. Includes stations like SFK, AAK, TKM2, etc.

IDC 06 18:38:17.1:1.1,0.51°68N:175°91W,h0km,mb3.9/10, mb1.4/0/12,mb1mx3.7/85,mbtmp3.9/12,ML4.1/2,MS3.5/4, Ms1.3/5.4,ms1mx2.7/77,Error ellipse: s-maj=30.8km s-min=17.6km az=153.0

ISCJB 06 18:38:22.4:0.6,51°49N:0°08:175W:0.05,h47km, mb3.8/10,MS3.5/4,Error ellipse: s-maj=12.5km s-min=3.8km az=166.8

NEIC 06 18:38:22.3:0.0,51°45N:175°74W,h26km,ML3.9(AEIC), Error ellipse: s-maj=12.5km s-min=3.8km az=166.8

ISC 06 18:38:23.6:0.7,51°6N:0°1:175W:0.04,h47km,n48, $\Delta z=178/42$,mb3.9/10,MS3.5/4,Andreas Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Time, Res, and other parameters. Includes stations like GSKC, ETKA, etc.

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res. Includes stations like KICM Kanaga Island, ATKA Atka Island, KOWE Korovin West, etc.

BUI 06 18:55:06.7, 2.17N, 128.93E, h216km, mb5.4/75, mB5.2/24
ISCJB 06 18:55:12.0, 0.3, 2.74N, 0.02E, 128.44E, 0.02, h14km, 2km,
mb5.2/192, Error ellipse: s-maj=3.7km s-min=2.6km
b2=16.0

MOS 06 18:55:12.2, 1.0, 2.70N, 128.36E, h218km, mb5.2/59, Error
ellipse: s-maj=9.1km s-min=4.5km az=116.3
GCMT 06 18:55:13.5, 0.2, 2.82N, 0.01E, 128.41E, 0.02, h204km, 1km,
MW5.2/93, Moment Tensor Solution. s53,c76: s93,c150;
Duration: 1s0 Moment tensor: Scale 10^19N;
Mn: 1.77E-18; Mw: 1.61E-18; Mb: 0.15E-22; Mo: 4.33E-14;
Mo: 1.60E-19; Mo: 6.12E-17; Best double couple:
Mo: 7.84300x10^18 N121.2, 216.00000, 583.00000,
7.81.00000. NP2: 0.850.00000, 811.00000, 1.140.00000;
Principal axes: T: 7.6350, P1g52.0000, Azm116.0000; N
0.4150, P1g9.0000, Azm217.0000; P: -8.0500;
P1g37.0000; Azm313.0000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function

IDC 06 18:55:13.8, 0.7, 2.73N, 128.40E, h215km, mb4.8/52,
mb1.4/58, mb1mx4.7/63, mbtp5.3/58 Error ellipse:
s-maj=7.8km s-min=4.9km az=65.0
NEIC 06 18:55:13.5, 0.1, 2.70N, 128.43E, mb5.4/65, Error ellipse:
s-maj=4.1km s-min=3.0km az=56.0
DJA 06 18:55:13.3, 0.2, 3.1N, 2.12E, h202km, 2km, M5.0/92,
mb5.5/55, mb5.3/92, MLV5.5/13, Mw(mB)4.9/55

ISC 06 18:55:13.4, 0.3, 2.74N, 0.03E, 128.30E, 0.04, h212km, 2km,
h213km, P-P, n609, s1661/714, mb5.3/192, 39C-27D,
Halmahera

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res. Includes stations like TNTI Ternate, LBMI Labuan, DDMP Don Marcelino, etc.

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res. Includes stations like KDI Kendari, PCI Palu, MYLDM Lahad Datu, etc.

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res. Includes stations like LWLI Liwa, LHAI Lahat, MNSI Manna, etc.

NR1K	Noril'sk	71.76 346	P	P	19 06 12.4 +0.2
UOSS	Minazif	72.62 295	eP	P	19 06 18.1 -0.1
UOSS	Minazif	72.62 295	P	P	19 06 18.0 -0.2
BAKOM	Banah	72.63 296	P	P	19 06 18.8 +0.5
HATD	Hatta, Dubai	72.68 295	P	P	19 06 18.8 +0.3
HATD	Hatta, Dubai	72.68 295	iP	P	19 06 19.0 +0.5
ASHO	Ashiyah	72.73 295	iP	P	19 06 19.2 +0.4
GEYT	Alibek	72.73 309	P	P	19 06 18.8 +0.1
GEYT	Alibek	72.73 309	eP	PP	19 08 59.3 -4.2
GYAOZ	ALIBEK ARRAY	72.73 309	eP	P	19 06 19.7 +1.1
NAOB	Nazwa, Dubai	73.12 295	iP	P	19 06 21.4 +0.3
ASUD	AI Ashush, Dub	73.39 295	P	P	19 06 23.6 +0.9
ASUD	AI Ashush, Dub	73.39 295	iP	P	19 06 23.4 +0.8
KIP	Kipapa	73.82 69	iP	P	19 06 26.6 +1.4
RAR	Rarotonga	74.21 113	P	P	19 06 27.5 0.0
RAR	Rarotonga	74.21 113	P	P	19 06 27.5 0.0
AKTO	Aktyubinsk	75.40 322	P	P	19 06 33.9 +0.2
AKTO	Arty	76.61 328	P	P	19 06 40.1 -0.3
ARU	Arti	76.61 328	dIP	P	19 06 39.7 -0.7
ARU	Arti	76.61 328	iP	PP	19 07 27.6 -3.5
ARU	Arti	76.61 328	dIP	PP	19 09 35.3
ARU	Arti	76.61 328	dIP	PPP	19 11 19.9
ARU	Arti	76.61 328	dIP	SS	19 16 09.6 +0.8
ARU	Arti	76.61 328	dIP	SS	19 21 05.4 -3.5
AKT	Akhty	81.12 311	eP	PP	19 07 06.0 +0.5
AKT	Akhty	81.12 311	eP	PP	19 07 55.2 -1.5
AKT	Akhty	81.12 311	eP	S	19 10 11.7
AKT	Akhty	81.12 311	eP	S	19 17 02.2 +4.7
VNDA	Vand	82.26 173	P	P	19 07 10.2 -0.2
RAYN	Ar Rayn	82.31 293	eP	P	19 07 11.8 -0.2
RAYN	Ar Rayn	82.31 293	iP	P	19 07 11.9 0.0
RAYN	Ar Rayn	82.31 293	eP	P	19 07 11.8 -0.2
OPO	Ambichirato	82.45 251	P	P	19 07 13.2 +0.3
GROC	Groznyy	82.66 313	eP	PP	19 07 11.2 -2.1
GROC	Groznyy	82.66 313	eP	PP	19 08 00.2 -4.5
GROC	Groznyy	82.66 313	eP	SP	19 08 21.8 -5.3
GROC	Groznyy	82.66 313	eP	SS	19 17 12.0 -0.9
GROC	Groznyy	82.66 313	eP	SS	19 18 30.8 -4.8
SBA	Scott Base	83.15 172	eP	P	19 07 15.5 +0.5
SBA	Scott Base	83.15 172	eP	P	19 07 15.5 +0.5
GNI	Garni	83.32 310	P	P	19 07 22.0 +5.0
GNI	Garni	83.32 310	iP	P	19 07 16.3 -0.6
ZEI	Tsey	84.03 313	eP	P	19 07 17.0 -3.6
PRGR	Permogore	84.11 332	eP	P	19 07 18.7 -1.5
PRGR	Permogore	84.11 332	eP	P	19 10 32.5
PRGR	Permogore	84.11 332	eP	SKSac	19 17 20.9 -2.1
AKH	Akhalkalaki	84.30 311	iP	P	19 07 23.1 +1.2
GOF	Gofitskoye	84.72 315	eP	P	19 07 24.3 +0.8
KBZ	Khabaz	84.79 313	P	P	19 07 24.4 +0.4
NEY	Neytrino	84.91 313	iP	P	19 07 25.9 +1.0
KVAR	Kislovodsk Arr	84.94 314	P	P	19 07 25.2 +0.3
KIV	Kislovodsk	84.95 314	eP	P	19 07 25.4 +0.5
KIV	Kislovodsk	84.95 314	P	P	19 07 25.5 +0.5
KIV	Kislovodsk	84.95 314	dIP	P	19 07 24.9 -0.1
ATD	Arta Tunnel	85.01 281	P	P	19 07 26.5 +0.7
ILAR	Eielson Arr	85.32 25	P	P	19 07 25.9 -0.3
VRH	Novokhoporsky	85.73 321	eP	SKSac	19 07 27.3 -1.2
VRH	Novokhoporsky	85.73 321	eP	SKSac	19 19 31.3 -2.4
KLMR	Klimovskoye	87.03 331	eP	P	19 07 32.5 -2.1
KLMR	Klimovskoye	87.03 331	eP	P	19 10 56.8
KLMR	Klimovskoye	87.03 331	eP	P	19 07 32.6 -2.1
KLMR	Klimovskoye	87.03 331	eP	AMP	19 07 34.2
VSR	Storozhevo	87.34 321	eP	P	19 08 18.1 -8.5
VSR	Storozhevo	87.34 321	eP	SKSac	19 17 41.2 -2.4
VSR	Storozhevo	87.34 321	eP	SKSac	19 17 41.2 -2.4
LPSR	Galich'ya Gora	87.46 322	eP	SKSac	19 07 34.9 -1.9
LPSR	Galich'ya Gora	87.46 322	eP	SKSac	19 17 42.8 -1.4
MOS	Moscow	88.14 326	eP	P	19 07 39.0 -1.0
DAWY	Anapa	88.57 26	eP	P	19 07 42.2 +0.3
ANN	Anapa	88.71 315	eP	P	19 07 41.0 -1.9
ANN	Anapa	88.71 315	eP	SKSac	19 11 10.3
ANN	Anapa	88.71 315	eP	SS	19 17 50.1 -1.9
ANN	Anapa	88.71 315	eP	SS	19 19 18.3 +0.8
ANN	Anapa	88.71 315	eP	SS	19 24 08.2 0.0
OBN	Obninsk	88.77 325	eP	P	19 07 42.1 -0.8
OBN	Obninsk	88.77 325	dIP	P	19 07 42.0 -0.9
APA	Apatity	89.36 338	iP	PP	19 07 43.9 -1.6
ASF	Jabal al Asfar	89.75 302	P	P	19 07 48.6 +0.4
MMAI	Mout Meron Arr	90.95 303	P	P	19 07 54.3 +0.5
SIM	Simferopol	91.05 315	eP	SKSac	19 07 52.0 -1.8
SIM	Simferopol	91.05 315	eP	SKSac	19 18 01.0 -4.6

SIM	comp=Z,1.6nm,0.8s	91.75 349	P	P	19 07 56.4 0.0
SPITS	Spitsbergen Arr	91.75 349	P	P	19 07 56.4 0.0
BRTR	comp=Z,4.7nm,0.7s,baz=85,slow=3.3,SNR=7.0	91.86 310	P	P	19 07 57.2 -0.7
BRTR	comp=Z,2.6nm,0.8s,baz=107,slow=5.3,SNR=15	91.86 310	PP	P	19 11 36.2 -3.8
ARCES	comp=Z,1.7nm,1.1s,baz=104,slow=8.3,SNR=2.9	91.91 440	P	P	19 07 55.5 -0.8
SYO	comp=Z,1.9nm,0.8s,baz=78,slow=5.6,SNR=38	92.07 201	eP	P	19 07 58.0 0.0
SYO	comp=Z,1.9nm,0.8s,baz=78,slow=5.6,SNR=38	92.07 201	eP	P	19 07 58.0 0.0
QSPA	comp=Z,2.5nm,0.9s,baz=225,slow=1.7,SNR=6.4	92.65 180	P	P	19 08 00.8 +0.1
QSPA	comp=Z,2.5nm,0.9s,baz=225,slow=1.7,SNR=6.4	92.65 180	P	P	19 08 00.7 -0.1
FINES	comp=Z,3.6nm,0.7s,baz=51,slow=5.1,SNR=12	93.44 332	P	P	19 08 03.4 -1.1
FINES	comp=Z,3.6nm,0.7s,baz=51,slow=5.1,SNR=12	93.44 332	P	PP	19 11 46.1 -5.3
AKASO	comp=Z,2.2nm,1.0s,baz=46,slow=6.0,SNR=3.6	93.64 321	P	P	19 08 04.2 -1.5
AKASO	comp=Z,4.7nm,0.8s,baz=68,slow=4.4,SNR=15	93.64 321	P	P	19 11 58.4 +5.0
KIEV	comp=Z,0.9nm,0.6s,baz=73,slow=7.0,SNR=4.1	93.65 321	iP	P	19 08 04.8 -0.9
VSU	comp=Z,2.8nm,0.8s	93.72 329	eP	P	19 08 04.4 -1.4
VSU	comp=Z,2.8nm,0.8s	93.72 329	eP	P	19 08 04.4 -1.4
TLCR	comp=Z,2.8nm,0.8s	94.75 316	iP	P	19 08 10.4 -0.4
TIR	comp=Z,2.8nm,0.8s	94.75 316	iP	P	19 08 10.4 -0.4
TIR	comp=Z,2.8nm,0.8s	94.75 316	iP	P	19 08 12.3 -0.4
CFR	comp=Z,2.8nm,0.8s	95.23 316	iP	P	19 08 12.3 -0.7
CFR	comp=Z,2.8nm,0.8s	95.23 316	iP	P	19 08 12.3 -0.7
TLB	comp=Z,2.8nm,0.8s	95.39 315	iP	P	19 08 13.5 -0.3
TLB	comp=Z,2.8nm,0.8s	95.39 315	iP	P	19 08 13.5 -0.3
HARR	comp=Z,2.8nm,0.8s	95.45 315	iP	P	19 08 14.4 +0.4
HARR	comp=Z,2.8nm,0.8s	95.45 315	iP	P	19 08 14.4 +0.4
TESR	comp=Z,2.8nm,0.8s	96.03 317	iP	P	19 08 15.7 -1.0
VRI	comp=Z,2.8nm,0.8s	96.09 316	iP	P	19 08 16.4 -0.6
VRI	comp=Z,2.8nm,0.8s	96.09 316	iP	P	19 08 16.4 -0.6
PLOR	comp=Z,2.8nm,0.8s	96.14 316	iP	P	19 08 17.9 0.0
PLOR	comp=Z,2.8nm,0.8s	96.14 316	iP	P	19 08 17.9 0.0
BIZ	comp=Z,2.8nm,0.8s	96.31 318	iP	P	19 08 17.6 -0.4
MLR	comp=Z,2.8nm,0.8s	96.69 316	iP	P	19 08 19.5 +0.4
MLR	comp=Z,2.8nm,0.8s	96.69 316	iP	PP	19 12 17.8 +0.5
MLR	comp=Z,2.8nm,0.8s	96.69 316	iP	P	19 08 19.6 -0.3
MLR	comp=Z,2.8nm,0.8s	96.69 316	iP	P	19 08 19.6 -0.3
BURAR	comp=Z,2.8nm,0.8s	96.78 318	iP	P	19 08 19.9 -0.3
BURAR	comp=Z,2.8nm,0.8s	96.78 318	iP	P	19 08 19.9 -0.3
VOIR	comp=Z,2.8nm,0.8s	97.32 316	iP	PdIF	19 08 22.7 0.0
TRPA	comp=Z,2.8nm,0.8s	98.42 319	iP	P	19 08 26.7 -0.7
CRVS	comp=Z,2.8nm,0.8s	98.93 320	ePDIFF	PdIF	19 08 30.0 +0.3
CRVS	comp=Z,2.8nm,0.8s	98.93 320	ePDIFF	PdIF	19 08 30.0 +0.3
VTS	comp=Z,2.8nm,0.8s	99.21 314	iP	PdIF	19 08 30.9 +0.3
VTS	comp=Z,2.8nm,0.8s	99.21 314	iP	PdIF	19 08 30.9 +0.3
IDI	comp=Z,2.8nm,0.8s	99.33 306	P	PdIF	19 08 31.1 -0.7
HFS	comp=Z,2.8nm,0.8s	99.62 333	P	PdIF	19 08 31.5 -1.0
HFS	comp=Z,2.8nm,0.8s	99.62 333	P	PP	19 12 39.0 +0.1
MDVR	comp=Z,2.8nm,0.8s	99.77 316	iP	PdIF	19 08 32.8 -0.8
LANS	comp=Z,2.8nm,0.8s	100.12 321	eP	PdIF	19 12 45.4 +2.2
NB2	comp=Z,2.8nm,0.8s	100.36 334	P	PdIF	19 08 34.2 -1.6
NB2	comp=Z,2.8nm,0.8s	100.36 334	P	PdIF	19 08 34.2 -1.6
NOA	comp=Z,2.8nm,0.8s	100.72 320	eP	PdIF	19 12 49.2 +1.6
NOA	comp=Z,2.8nm,0.8s	100.72 320	eP	PdIF	19 12 49.2 +1.6
VYHS	comp=Z,2.8nm,0.8s	101.71 323	ePDIFF	PdIF	19 08 42.7 +0.6
K02D	comp=Z,2.8nm,0.8s	101.71 323	ePDIFF	PdIF	19 08 42.7 +0.6
DPC	comp=Z,2.8nm,0.8s	101.74 321	eP	PdIF	19 12 57.8 +2.5
DPC	comp=Z,2.8nm,0.8s	101.74 321	eP	PdIF	19 12 57.8 +2.5
MODS	comp=Z,2.8nm,0.8s	101.78 322	eP	PdIF	19 08 42.9 +0.1
VRAC	comp=Z,2.8nm,0.8s	101.88 322	eP	PP	19 12 56.7 +0.4
VRAC	comp=Z,2.8nm,0.8s	101.88 322	eP	PP	19 12 56.7 +0.4
CONA	comp=Z,2.8nm,0.8s	102.78 320	P	PP	19 13 02.7 -0.5
BRG	comp=Z,2.8nm,0.8s	102.96 324	ePKP	PdIF	19 08 47.9 +0.3
BRG	comp=Z,2.8nm,0.8s	102.96 324	ePKP	PKIKP	19 13 08.8 +2.3
BRG	comp=Z,2.8nm,0.8s	102.96 324	ePKP	PdIF	19 08 47.8 +0.3
BRG	comp=Z,2.8nm,0.8s	102.96 324	ePKP	PdIF	19 08 47.8 +0.3
ARSA	comp=Z,2.8nm,0.8s	103.22 320	eP	PP	19 13 05.1 -1.3
CLL	comp=Z,2.8nm,0.8s	103.35 324	ePDIFF	PP	19 13 02.0
CLL	comp=Z,2.8nm,0.8s	103.35 324	ePDIFF	PP	19 13 02.0
SOKA	comp=Z,2.8nm,0.8s	103.72 319	ePKIKP	PKIKP	19 13 05.0 -3.1
KHC	comp=Z,2.8nm,0.8s	103.80 322	ePDIFF	PdIF	19 08 51.5 +0.1
KHC	comp=Z,2.8nm,0.8s	103.80 322	ePDIFF	PdIF	19 08 51.5 +0.1
GERES	comp=Z,2.8nm,0.8s	103.83 322	PdIF	PdIF	19 08 51.8 +0.2
GERES	comp=Z,2.8nm,0.8s	103.83 322	PdIF	PdIF	19 08 51.8 +0.2
GERES	comp=Z,2.8nm,0.8s	103.83 322	PdIF	PKIKP	19 13 09.0 +0.7
MOD	comp=Z,2.8nm,0.8s	103.91 46	eP	PdIF	19 08 52.3 +0.1
SNA	comp=Z,2.8nm,0.8s	104.65 194	PdIF	PdIF	19 08 55.3 +0.7
NVAR	comp=Z,2.8nm,0.8s	106.39 49	PdIF	PdIF	19 09 04.5 +1.1
NVAR	comp=Z,2.8nm,0.8s	106.39 49	PdIF	PKIKP	19 13 14.4 +0.9
IRM	comp=Z,2.8nm,0.8s	110.11 52	P	PKIKP	19 13 21.8 +1.5
PDAR	comp=Z,2.8nm,0.8s	111.05 42	PKPKbc	PKPKbc	19 24 19.4 -1.7
PDAR	comp=Z,2.8nm,0.8s	111.05 42	PKPKbc	PKPKbc	19 24 19.4 -1.6
WUAZ	comp=Z,2.8nm,0.8s	112.58 50	P	PKIKP	19 13 26.6 +1.4
W18A	comp=Z,2.8nm,0.8s	113.57 50	P	PKIKP	19 13 28.5 +0.6
TUC	comp=Z,2.8nm,0.8s	114.16 53	P	PKPdf	19 13 28.8 +0.6
S22A	comp=Z,2.8nm,0.8s	115.07 46	P	PKPdf	19 13 31.5 +1.4
121A	comp=Z,2.8nm,0.8s	116.45 52	P	PKPdf	19 13 34.2 +1.5
ANMO	comp=Z,2.8nm,0.8s	116.51 49	PKP	PKPdf	19 13 32.2 -0.6
ANMO	comp=Z,2.8nm,0.8s	116.51 49	PKP	PKPdf	19 13 34.4 +1.6
ANMO	comp=Z,2.8nm,0.8s	116.51 49	PKP	PKPdf	19 13 34.4 +1.6
ANMO	comp=Z,2.8nm,0.8s	116.51 49	PKP	PKPdf	19 13 34.4 +1.6
TASL	comp=Z,2.8nm,0.8s	116.51 49	P	PKPdf	19 13 34.0 +1.2
T25A	comp=Z,2.8nm,0.8s	117.07 46	P	PKPdf	

Table with columns: FITZ, FITZ, WRA, WRA, ASAR, MKAR. Includes station names, coordinates, and time/res data.

NIED 06 21:11:00.35:70N:141.00E, h11km, Mw3.7 Best double couple: M3.49000+0.14 NP1.99.00000, 837.00000, 1.84.00000. NP2.09.181.00000, 854.00000, 1.95.00000.

IDC 06 21:11:45.4:1.35:59N:140.78E, h0km, mb3.4/5, mb1 3.6/7, mb1mx3.4/70, mbtmp3.4/7, ML3.3/2, MS3.8/1, Ms1 3.8/1, ms1mx2.4/40, Error ellipse: s-maj=29.9km s-min=19.3km az=73.0

ISCJB 06 21:11:46.3:0.8, 35.66N:0.04:140.94E:0.08, h20km, 4km, mb3.5/5, MS3.7/1, Error ellipse: s-maj=11.8km s-min=5.6km az=161.0

JMA 06 21:11:47.1:0.2, 35.66N:140.87E, h14km, 1km, M3.9 JMA Fell II J1

ISC 06 21:11:47.2:0.9, 35.66N:140.78E:0.07, h10km, 8km, n25, e134/24, mb3.5/5, 3C-1D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CHQJ, JIHU, JCN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MAT, MJAR, MJAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URSK, H1N2, H1N1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MKAR, KURBB, ILAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, etc.

Table with columns: RAO, RAO, DZM, URZ, URZ, RPZ, CTA, STKA, ASAR, WRA, WRA, FITZ, GSPA, USRK, NVAR, CMAR, TXAR, ARCES, ARCES, FINES, NB2, NOA, HFS, MMAIL, BRTR, MLR. Includes station names, coordinates, and time/res data.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, FITZ, GSPA, etc.

Table with columns: URZ, URZ, MWZ, TKGZ, MTHZ, MAH, RAHZ, RAHZ, NMHZ, McNeill Hill, MCHZ, Wahihoa, WNVZ, KRHZ, Kereru, KAHZ, Kahuranaki, KAHZ, Pukenui, PNHZ, PNHZ, BNFZ, Birch Farm, BZF, MRZ, Mangatainoka R, MRZ, MRZ, OGZW, Otaki Gorge, OGZW, Holdsworth Sta, HOZW, DUWZ, D'Urville Isla, DUWZ, DUWZ, PLWZ, Palliser, THZ, Tophouse, THZ, CTA, Charters Tower, STKA, Stephens Creek, NB2, ASAR, Alice Springs, ASAR, ASAR, WRA, Waramunga Arr, WRA, WRA, FITZ, Fitzroy Crossi, NVAR, Minna Array Bea, TXAR, Lajitas Array, HFS, Hagfors, MMAIL, Mount Meron Arr, BRTR, Keskin Arr, MLR, Muntele Ros, IDC 06 21:37:20.3:0.8, 15.89N:143.57E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.3/66, mbtmp3.8/3, MS3.2/1, Ms1 3.2/1, ms1mx2.5/25, Error ellipse: s-maj=83.0, Mariana Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like URZ, MWZ, TKGZ, etc.

DDA 06 22:32:01.8, 37.79N:26.92E, h7km, M2.6 ISC 06 22:32:02.2, 37.83N:26.97E, h8km, ML2.0/5 ISC 06 22:32:02.5:1.0, 37.82N:0.03:26.96E:0.03, h13km, 8km, n16, e043/25, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like GCAM, GCAM, etc.

ISCJB 06 22:44:32.4:1.6, 4.75S:0.2:153.6E:0.1, h35km, mb4.0/10,

MS3.4/2, Error ellipse: s-maj=35.3km s-min=12.8km az=165.6
 NEIC 06 22:44:32.8±1.3, 4.47S: 153.68E, h35km, mb4.1/4, Error ellipse: s-maj=28.4km s-min=15.3km az=185.0
 IDC 06 22:44:35.6±1.1, 4.64S: 153.59E, h50km, mb3.9/6, mb1 4.1/7, mb1mx3.5/58, mbtmp4.2/7, MLJ-7.1/1, MS3.3/3, Ms1 3.3/3, ms1mx2.7/39, Error ellipse: s-maj=52.3km s-min=27.0km az=15.0
 ISC 06 22:44:34.1±1.5, 4.55S: 02:153.7E:0.1, h35km, n14, #110/16, mb4.1/10, New Ireland region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
PMG	Port Moresby	8.06	233	P	Pn	22 46 30.2	+2.1
PMG	Port Moresby	8.06	233	P	Pn	22 47 57.9	-0.2
PMG	Port Moresby	8.06	233	P	Pn	22 49 11.7	
PMG	Port Moresby	8.06	233	P	Pn	22 46 30.2	+2.1
PMG	Port Moresby	8.06	233	P	Pn	22 47 56.1	-1.9
PMG	Port Moresby	8.06	233	P	Pn	22 47 57.9	-0.2
PMG	Port Moresby	8.06	233	P	Pn	22 49 18.3	+0.3
WRAB	Tennant Creek	24.25	229	eP	P	22 49 46.5	-0.9
WRA	Warrungarra Arr	24.26	229	P	P	22 49 47.0	-0.4
ASAR	Alice Springs	26.92	223	P	P	22 50 11.7	+0.1
FITZ	Fitzroy Crossi	30.54	242	P	P	22 50 42.8	-1.0
FITZ	Fitzroy Crossi	30.54	242	P	P	23 04 59.9	
AFI	Affamalu	35.31	108	LR	LR	23 02 32.8	
MWBA	Marble Bar	36.84	240	P	P	22 51 38.0	-0.5
TAU	Tasmania Univ	38.62	187	P	P	22 51 52.6	-0.6
NWAO	Narogin (SRO)	44.18	226	P	P	22 52 38.8	-0.3
VNDA	Vanda	73.06	178	P	P	22 55 59.5	+0.1
QSPA	South Pole Qui	85.42	180	P	P	22 57 07.2	0.0
TORD	Torodi Ar. Bea	151.04	289	PKPbc	PKPbc	23 04 24.1	+0.3

ISCJB 06 22:51:13.3±0.5, 64.97N: 09:173.7W:0.1, h10km, mb3.9/26, MS3.2/12, Error ellipse: s-maj=13.2km s-min=7.3km az=3.9
 IDC 06 22:51:13.3±0.7, 64.94N: 173.71W, h0km, mb3.8/20, mb1 4.0/22, mb1mx3.8/77, mbtmp3.8/22, ML3.5/2, MS3.1/15, Ms1 3.1/15, ms1mx2.8/81, Error ellipse: s-maj=20.6km s-min=13.1km az=5.0
 NEIC 06 22:51:14.8±0.5, 64.97N: 173.62W, h10km, mb4.2/2, Error ellipse: s-maj=14.2km s-min=6.9km az=180.0
 ISC 06 22:51:15.3±0.6, 65.11N: 0.1: 173.47W:0.06, h10km, n41, #200/34, mb4.0/25, MS3.2/12, Eastern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
COLA	College	10.83	79	Pn	Pn	22 53 50.4	+0.3
ILAR	Eielson Array	11.25	79	Pn	Pn	22 53 54.2	-1.8
ILAR	Eielson Array	11.25	79	Pn	Pn	22 55 56.0	-5.6
ILAR	Eielson Array	11.25	79	Pn	Pn	22 57 11.2	
ILAR	Eielson Array	11.25	79	Pn	Pn	22 57 59.5	
KDAK	Kodiak Island	12.32	116	Pn	Pn	22 54 14.4	+3.9
EGAK	Eagle	13.63	76	ePn	Pn	22 54 30.0	+1.7
INK	Inuvik	15.94	60	Pn	Pn	22 54 58.9	-0.3
MA2	Magadan	17.31	268	LR	LR	23 01 43.1	
PETK	Petrovlovsk-18	18.82	244	P	Pn	22 55 33.7	-1.7
PETK	Petrovlovsk-18	18.82	244	P	Pn	23 03 26.6	
DLBC	Dease Lake	21.22	98	P	P	22 56 02.9	+1.9
DLBC	Dease Lake	21.22	98	P	P	23 05 58.2	
TIXI	Tiksi	21.44	313	eP	P	22 56 07.2	+4.2
TIXI	Tiksi	21.44	313	eP	P	22 56 03.3	+0.3
YKA	Yellowknife Ar	25.32	60	P	P	22 56 42.6	+0.9
ASJA	Asahikawa	31.98	251	LR	LR	23 01 41.3	
KLR	Kul'dur	32.41	268	P	P	22 57 43.3	-1.6
SPITS	Spitsbergen Arr	36.87	357	LR	LR	23 12 25.5	
MJAR	Matsushiro Arr	40.18	249	LR	LR	23 16 22.0	
ULM	Lac du Bonnet	41.16	72	LR	LR	23 17 11.0	
NVAR	Mina Array Bea	41.34	103	P	P	22 59 01.0	-0.2
PDAR	Pinedale Array	41.41	91	P	P	22 59 03.0	+1.3
PDAR	Pinedale Array	41.41	91	P	P	23 17 38.3	
SONM	Songino Array	44.10	287	P	P	22 59 23.2	-0.2
SONM	Songino Array	44.10	287	P	P	23 17 37.2	
ARCES	ARCES Array B	45.03	351	P	P	22 59 30.9	+0.5
ZALV	Zalesovo Beam	47.19	308	P	P	22 59 46.4	-1.2
KURK	Kurchatov	51.97	310	eP	P	23 00 21.6	-2.3
KURB	Kurchatov Arra	52.98	310	P	P	23 00 24.1	-0.7
FINES	FINES Array B	52.98	348	P	P	23 00 30.3	-1.0
FINES	FINES Array B	52.98	348	P	P	23 23 34.2	
MKAN	Makanchi Array	54.10	305	P	P	23 00 38.5	-1.4
NO2	NORSAR Subarra	54.17	357	P	P	23 00 41.8	+1.7
NO2	NORSAR Array B	54.17	357	P	P	23 00 40.8	+0.6
NOA	NORIS	54.17	357	P	P	23 23 00.7	
HFS	Hagfors	55.01	356	P	P	23 00 45.3	-0.9
HFS	Hagfors	55.01	356	P	P	23 26 35.5	
TXAR	Lajitas Crossi	58.35	305	P	P	23 00 47.3	-1.5
AKTO	Aktjubinsk	58.18	324	LR	LR	23 31 01.1	
AKASG	Malin Array Be	63.25	344	P	P	23 01 44.0	+0.6
GERES	GERES Array B	66.30	355	P	P	23 02 03.7	+0.2
CONA	Conrad Observa	67.12	353	eP	P	23 02 08.5	-0.1
FETA	Feichten	68.22	357	eP	P	23 02 18.7	+3.0
OBKA	Obir	68.60	354	eP	P	23 02 20.6	+2.6
GEYT	Alibek	69.76	319	P	P	23 02 25.3	+0.1
GNI	Garni	70.96	330	LR	LR	23 37 53.7	
CMAR	Chiang Mai Arr	72.43	276	P	P	23 02 40.9	-0.7
ESDC	Sonsec Array	75.29	8	P	P	23 03 00.3	+2.1
WRA	Warrungarra Arr	75.29	8	P	P	23 04 29.2	-1.9
ASAR	Alice Springs	97.21	227	P	Pdf	23 04 47.0	-0.8

NEIC 06 22:57:00.38±0.0N: 142°20'E, h29km, Mw3.4 Best double couple: M1, 19000°1014 NP1±127.00000°, 831.00000°, Δ132.00000°, NP2±261.00000°, Δ68.00000°, Δ68.00000°
 JMA 06 22:57:15.4±0.1, 38.42N: 142°25'E, h27km, Mw3.7, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
JIO	Ouri	0.71	273	Op	ISC	22 57 00.0	0.0
JIO	Ouri	0.71	273	Op	ISC	22 57 37.9	-0.6
OFUJ	Ofunato	0.80	326	P	Pb	22 57 34.0	-0.3
OFUJ	Ofunato	0.80	326	P	Pb	22 57 41.0	-0.2
JMK	Ichinoseki	0.96	304	P	Pn	22 57 33.1	-0.1
JMK	Ichinoseki	0.96	304	P	Pn	22 57 45.7	-0.2
JOU	Okura	1.25	268	P	Pn	22 57 37.4	+0.3
JOU	Okura	1.25	268	P	Pn	22 57 53.4	+0.4
JMM	Murumori	1.27	245	P	Pn	22 57 36.7	-0.7
JMM	Murumori	1.27	245	P	Pn	22 57 52.6	-1.0
JOM	Ohasama	1.29	325	P	Pn	22 57 38.1	+0.5
JOM	Ohasama	1.29	325	P	Pn	22 57 54.7	-0.5
JYK	Kaneyama	1.56	289	P	Pb	22 57 42.7	-0.9
JRG	Rokujo	1.59	308	P	Pb	22 57 43.3	-0.9
MAT	Matsushiro	3.72	241	P	Pb	22 58 14.0	+2.9
MAT	Matsushiro	3.72	241	P	Pb	22 59 01.5	-3.6

IDC 06 23:13:47.3±0.5, 1°8'0N: 128°64'E, h0km, mb4.1/20, mb1 4.2/22, mb1mx4.1/75, mbtmp4.1/22, ML3.8/2, MS3.3/7, Ms1 3.3/7, ms1mx2.9/51, Error ellipse: s-maj=27.2km s-min=11.6km az=75.0
 BUJ 06 23:13:48.8±0.6, 0°68'N: 128°95'E, h77km, mb4.6/18, mb5.1/13, Ms4.7/5, Ms7.4/4
 DJA 06 23:13:52.2±0.6, 2°N: 5°12'9E, h10km, M4.6/6, mb5.0/2, mb4.8/6, MLV4.5/6, Mw(mb)4.4/2
 ISCJB 06 23:13:53.4±0.3, 1.69N: 0°04': 128°73E:0.04, h61km, mb4.5/43, Error ellipse: s-maj=5.6km s-min=5.1km az=160.4

NEIC 06 23:13:53.5±0.8, 1°30'N: 128°82'E, h71km, mb4.7/16, Error ellipse: s-maj=9.1km s-min=7.3km az=194.0
 ISC 06 23:13:54.6±0.4, 1.55N: 0°10': 128°71E:0.06, h61km, n92, #2503/88, mb4.5/43, Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TNTI	Ternate	1.55	240	Op	ISC	23 14 19.2	-0.9
TNTI	Ternate	1.55	240	Op	ISC	23 14 40.6	+1.4
LBMI	Labuhan	2.49	209	P	Pn	23 14 34.5	+1.7
SJUI	Sorong	3.51	133	Pn	Pn	23 14 46.8	0.0
SJUI	Sorong	3.51	133	Pn	Pn	23 15 28.1	+1.0
KMSI	Cibinong	4.83	258	P	Pn	23 15 08.7	+3.9
FAKI	Fak Fak	5.68	141	ePn	Pn	23 15 13.0	-3.4
MRSI	Marisa	6.85	261	P	Pn	23 15 33.6	+1.0
BAKI	Biak	7.88	110	P	Pn	23 15 49.8	+3.2
KDI	Kendari	8.19	228	P	Pn	23 15 54.5	+3.7
TTSI	Tana Toraja	9.99	243	P	Pn	23 16 13.4	-2.2
SPSI	Sidrap Palu	10.48	238	P	Pn	23 16 23.5	+1.2
MYLMD	Lahad Datu	10.81	290	ePn	Pn	23 16 28.1	+1.3
BKSI	Bukumbaba	10.97	231	P	Pn	23 16 27.2	-1.6
SBUM	Sibu	16.51	273	ePn	Pn	23 17 43.0	+0.7
KSM	Kuching	18.40	270	eP	Pn	23 18 05.2	-0.4
FITZ	Fitzroy Crossi	19.76	189	P	Pn	23 18 22.4	+0.6
FITZ	Fitzroy Crossi	19.76	189	P	Pn	23 27 21.4	
GUMG	Guam	19.96	52	LR	LR	23 24 28.7	
PMG	Port Moresby	21.26	233	P	Pn	23 29 31.3	
WRAB	Tennant Creek	22.06	226	eP	P	23 18 38.6	-5.9
WRA	Warrungarra Arr	22.06	226	P	P	23 18 46.6	+2.0
MWBA	Marble Bar	24.22	240	eP	P	23 19 00.4	-5.4
ASAR	Alice Springs	25.57	223	P	P	23 19 22.1	+3.9
CBJ	Chichi jima	28.50	216	LR	LR	23 19 43.8	-0.6
GSI	Gusunostoli	31.13	270	eP	P	23 20 06.6	-1.3
JNU	Nakatsue	31.47	3	LR	LR	23 33 10.0	
NJ2	Nanjing	31.73	344	eP	Pmax	23 20 14.1	+1.3
LHMI	Lhok Sumawe	31.91	277	eP	P	23 20 13.0	-1.7
NANT	Nam	32.37	304	P	P	23 20 24.0	+5.4
PHRA	Phrae	32.62	303	P	P	23 20 24.5	+3.7
CMAR	Chiang Mai Arr	33.69	302	P	P	23 20 30.2	+0.1
CMMT	Chiang Mai	33.84	302	eP	P	23 20 35.6	+4.1
CHTO	Chiang Mai	33.84	302	eP	P	23 20 31.5	-0.1
KMI	Kunming	34.31	315	P	P	23 20 38.1	+2.3
KMI	Kunming	34.31	315	P	P	23 20 56.4	-1.7
KMI	Kunming	34.31	315	P	P	23 21 04.8	+1.4
COCO	West Island	34.48	246</				

7d 0h

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SCRCR Sand Creek, INK Inuvik, EGAK Eagle, KLU Klutina, DAWY Dawson, etc.

OTT 07:00:29:56.9-0.2,65.05N,86.96W,h18km,MN3.6/11, 169km south from Repulse Bay, Nu Boothia Ungava Seismic Zone, Northwest Territories

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ILON Igloolik, MRYN Mary River, KNGQ Kangiqsujuaq, etc.

IDC 07:00:35:19.5-1.1,55.79S,26.51W,h0km,mb3.8/3, mb1 3.9/3,mb1mx3.7/30,mbtmp3.8/3, Error ellipse: s-maj=86.3km s-min=25.6km az=97.0, South Sandwich Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like QSPA South Pole Qui, VNYA Yanda, TORO Torodi Ar. Bea, etc.

2012 AUG

IDC 07:00:39:04.7-0.4,27.82S,70.38W,h4km,2km,mb4.6/23, mb1 4.7/27,mb1mx4.6/40,mbtmp4.9/27,MS4.2/36, MS1 4.2/36,ms1mx4.2/41, Error ellipse: s-maj=14.3km s-min=10.0km az=62.0

coast of northern Chile

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GO03 Copiap, CPCH Copiapo, VACH Vallenar, etc.

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Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like EFI East Falkland, PTGA Pitinga, OTAV Otavalo, etc.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like GOGA Godfrey, 62.13 348 eP, P, 00 49 18.3 -0.3.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like PLAL Pickwick Lake, 64.64 344 eP, P, 00 49 34.4 -0.7.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like WCI Wyandotte Cave, 67.36 347 P, P, 00 49 51.7 -0.8.

P42A	Winchester	69.57 344	P	P	00 50 05.8 -0.4
SFIN	Lafayette	69.59 347	P	P	00 50 05.4 -1.0
O45A	Potomac	69.60 346	P	P	00 50 05.3 -1.1
O44A	Mansfield	69.67 345	P	P	00 50 06.0 -0.9
121A	Cookes Peak, D	69.69 327	P	P	00 50 09.2 +1.8
Q39A	Willow Grove F	69.75 342	P	P	00 50 07.5 0.0
P41A	Barry, Barry	69.83 343	P	P	00 50 07.6 -0.2
Q38A	Cooks Store, C	69.86 341	P	P	00 50 08.4 +0.3
M50A	Fremont	69.86 350	P	P	00 50 07.6 -0.4
B1NY	Binghamton	69.87 356	eP	P	00 50 08.8 +0.7
P40A	Paris	69.95 342	eP	P	00 50 08.8 +0.2
P40A	Paris	69.95 342	P	P	00 50 08.8 +0.2
O43A	Sugar Creek Fa	69.98 345	P	P	00 50 08.3 -0.5
HRV	Adam Dzewionk	70.01 359	eP	P	00 50 09.7 +0.8
HRV	Adam Dzewionk	70.01 359	eP	P	00 50 09.7 +0.8
HRV	Adam Dzewionk	70.01 359	eP	P	00 50 09.7 +0.8
N46A	Monticello	70.01 347	P	P	00 50 08.2 -0.8
Q37A	Longview Farm,	70.02 340	P	P	00 50 09.0 -0.1
M49A	Liberty Center	70.08 349	P	P	00 50 08.9 -0.4
O42A	Bath	70.08 344	P	P	00 50 09.0 -0.4
P39B	Salisbury	70.10 342	P	P	00 50 09.7 +0.1
TBI	Tubuai	70.11 254	eLR	LR	01 11 37.9
TBI	Tubuai	70.11 254	eT	T	02 05 47.8
N45A	Kentland	70.13 346	P	P	00 50 08.8 -0.9
O41A	Passleys Farm,	70.20 344	P	P	00 50 09.8 -0.4
HDIL	Hopedale	70.24 345	eP	P	00 50 10.3 0.0
HDIL	Hopedale	70.24 345	P	P	00 50 09.8 -0.5
TRY	Troy	70.28 358	eP	P	00 50 12.3 +1.7
VNDA	Vanda	70.36 191	eP	P	00 50 12.1 +1.3
VNDA	Vanda	70.36 191	eP	P	01 20 02.9
VNDA	Vanda	70.36 191	eP	P	00 50 12.4 +1.7
VNDA	Vanda	70.36 191	eP	P	00 50 12.4 +1.7
P38A	Dawn	70.45 341	eP	P	00 50 12.2 +0.5
P38A	Dawn	70.45 341	P	P	00 50 11.5 -0.2
O40A	La Belle	70.46 343	P	P	00 50 11.6 -0.1
BNN	Barren Site	70.48 329	eP	P	00 50 14.0 +1.7
MMNY	Mt. Morris Dam	70.55 354	eP	P	00 50 12.9 +0.7
N43A	Stutzman Famil	70.58 345	P	P	00 50 12.2 -0.2
L48A	N Adams	70.61 349	P	P	00 50 11.8 -0.8
LENM	Lemitar	70.65 329	eP	P	00 50 15.4 +2.1
P37A	Lathrop	70.65 341	P	P	00 50 12.5 -0.4
L49A	Milan	70.66 350	P	P	00 50 12.4 -0.5
N42A	Yates City	70.67 344	P	P	00 50 12.6 -0.4
N41A	Harden Midland	70.75 344	eP	P	00 50 13.3 -0.2
N41A	Harden Midland	70.75 344	P	P	00 50 13.1 -0.4
M44A	Midewin, Midew	70.76 346	P	P	00 50 12.6 -0.9
O39A	Kirkville	70.76 342	P	P	00 50 13.4 -0.1
L47A	Sherwood	70.77 349	P	P	00 50 12.9 -0.7
O38A	Galt	70.89 342	P	P	00 50 14.5 +0.1
LAC	Ladron	70.92 329	eP	P	00 50 16.4 +1.5
TUC	Tucson	71.00 325	eP	P	00 50 16.1 +0.8
TUC	Tucson	71.00 325	eP	P	00 50 16.1 +0.8
TUC	Tucson	71.00 325	eP	P	00 50 15.9 +0.6
M43A	Walham Townsh	71.00 345	P	P	00 50 14.6 -0.4
TASL	Snake Pit, Alb	71.06 329	P	P	00 50 17.1 +1.3
ANMO	Albuquerque	71.06 329	P	P	00 50 16.8 +1.0
ANMO	Albuquerque	71.06 329	P	P	00 50 35.9 +0.2
ANMO	Albuquerque	71.06 329	P	P	01 18 05.8
ANMO	Albuquerque	71.06 329	eP	P	00 50 17.2 +1.5
ANMO	Albuquerque	71.06 329	eP	P	00 50 16.3 +0.5
ANMO	Albuquerque	71.06 329	eP	P	00 50 36.3
ANMO	Albuquerque	71.06 329	eP	P	00 50 17.0 +1.2
N40A	Mertquake, Sal	71.10 343	P	P	00 50 15.4 -0.2
O37A	Wolven Farm, M	71.12 341	P	P	00 50 15.5 -0.2
SYO	Syowa Base	71.14 159	eP	P	00 50 14.8 -0.7
SYO	Syowa Base	71.14 159	eP	P	00 50 28.6 -3.9
HNH	Hanover	71.22 359	eP	P	00 50 18.1 +1.9
M41A	Milan	71.31 344	P	P	00 50 16.3 -0.5
N39A	Derby Farms, D	71.33 343	eP	P	00 50 17.1 0.0
N39A	Derby Farms, D	71.33 343	P	P	00 50 16.9 -0.1
L44A	Lake County Fo	71.49 347	P	P	00 50 17.4 -0.5
NCB	Newcomb	71.54 357	eP	P	00 50 17.7 -0.6
M40A	Post Highland	71.58 344	P	P	00 50 18.1 -0.3
L43A	Garden Prairie	71.67 346	P	P	00 50 18.7 -0.3
CBKS	Cedar Bluff	71.69 336	eP	P	00 50 20.4 +1.1
CBKS	Cedar Bluff	71.69 336	eP	P	00 50 20.4 +1.1
CBKS	Cedar Bluff	71.69 336	eP	P	00 50 19.9 +0.6
LIC	Lamto	71.69 72	eP	P	00 50 19.5 -0.3
L42A	Oliver, Polo	71.70 345	P	P	00 50 18.9 -0.3
LBNH	Lisbon	71.75 359	eP	P	00 50 20.5 +1.1
LBNH	Lisbon	71.75 359	eP	P	00 50 20.5 +1.1
214A	Organ Pipe Nat	71.78 323	P	P	00 50 21.9 +1.9
M39A	Webster	71.81 343	P	P	00 50 19.6 -0.3
TIC	Toumoudi	71.92 72	eP	P	00 50 20.8 -0.4
L41A	Preston	71.96 345	P	P	00 50 20.4 -0.3
N36A	Muff Farm, Cla	71.96 341	P	P	00 50 20.7 -0.1

KIC	Kosan Boka	72.00 72	eP	P	00 50 21.3 -0.4
M38A	Plainsville	72.02 342	eP	P	00 50 21.1 -0.1
T25A	Trinidad	72.03 332	eP	P	00 50 23.2 +1.7
T25A	Trinidad	72.03 332	eP	P	00 52 57.3 -5.4
T25A	Trinidad	72.03 332	eP	P	00 50 23.0 +1.5
DBIC	Dimboko	72.07 72	P	P	00 50 22.1 +0.1
DBIC	Dimboko	72.07 72	P	P	00 50 22.3 +0.2
DBIC	Dimboko	72.07 72	eP	P	00 52 59.6 -3.4
K43A	Burlington	72.08 346	eP	P	00 50 21.2 -0.2
L40A	Anamosa	72.12 344	eP	P	00 50 22.1 +0.3
L40A	Anamosa	72.12 344	P	P	00 50 21.8 +0.1
LONY	Lake Ozonia	72.21 357	eP	P	00 50 22.6 +0.4
LONY	Lake Ozonia	72.21 357	P	P	00 50 22.5 +0.4
M37A	Trindle Farm,	72.25 342	P	P	00 50 23.1 +0.6
K42A	Prairie Point,	72.37 346	P	P	00 50 23.0 -0.2
L39A	Vinton	72.37 343	P	P	00 50 23.0 -0.2
FRNY	Flat Rock	72.38 358	eP	P	00 50 23.1 -0.1
K41A	Shullsburg	72.42 345	P	P	00 50 23.3 -0.2
PPT2	Papeete2	72.49 259	eS	SKIKP	00 59 52.3 -1.9
PPT2	Papeete2	72.49 259	eLR	LR	01 12 43.4
PPT	Papeete	72.49 259	eLR	LR	01 14 38.9
M36A	Felix, Anita	72.50 341	eP	P	00 50 24.1 +0.1
SADO	Sadowa	72.69 354	eP	P	00 50 25.3 +0.3
JFWS	Jewell Farm	72.70 345	eP	P	00 50 25.3 +0.1
JFWS	Jewell Farm	72.70 345	eP	P	00 50 25.3 +0.1
JFWS	Jewell Farm	72.70 345	eP	P	00 50 25.2 +0.1
K40A	Colesburg	72.70 344	P	P	00 50 25.0 -0.1
J43A	Natural Harves	72.75 346	P	P	00 50 25.2 -0.2
PLVO	Plevna	72.78 355	eP	P	00 50 26.6 +1.1
J42A	Column	72.83 346	P	P	00 50 25.8 -0.1
L37A	Phoenix Point,	72.83 342	P	P	00 50 26.0 0.0
K39A	Oelwein	72.89 344	P	P	00 50 26.0 -0.3
K39A	Oelwein	72.89 344	P	P	00 50 27.8 +1.0
K39A	Oelwein	72.89 344	eP	P	00 50 28.8 +1.3
SDCO	Great Sand Dun	73.00 332	eP	P	00 50 28.7 +1.3
SDCO	Great Sand Dun	73.00 332	P	P	00 50 29.3 +1.9
X16A	Lo Mia Camp, P	73.00 326	eP	P	00 50 27.5 +0.2
K38A	Parkeburg	73.06 343	P	P	00 50 27.4 +0.1
L36A	Harm Buss Farm	73.06 341	P	P	00 50 27.3 -0.1
J41A	Loganville	73.08 345	P	P	00 50 29.3 +0.4
I42A	Draeger Farm,	73.34 346	eP	P	00 50 28.9 0.0
I42A	Draeger Farm,	73.34 346	P	P	00 50 28.9 -0.4
K37A	Belmond	73.40 342	P	P	00 50 31.4 +1.6
Y14A	Wickenburg	73.42 324	eP	P	00 50 29.3 -0.3
J39A	Decorah	73.44 344	P	P	00 50 30.8 +0.9
BGNE	Belgrade	73.48 339	eP	P	00 50 30.2 +0.3
BGNE	Belgrade	73.48 339	P	P	00 50 30.1 +0.2
K36A	Gilmore City	73.50 342	P	P	00 50 32.5 +1.8
S22A	4UR Ranch, Cr	73.56 331	eP	P	00 50 31.9 +1.1
S22A	4UR Ranch, Cr	73.56 331	P	P	00 50 30.3 -0.3
J38A	Wedel Dairy, R	73.62 344	P	P	00 50 30.7 -0.1
H43A	Windswept, Lux	73.66 347	P	P	00 50 32.9 +1.6
GLA	Glamis	73.70 322	eP	P	00 50 32.9 +1.6
GLA	Glamis	73.70 322	eP	P	00 50 32.7 +1.4
GLA	Glamis	73.70 322	eP	P	00 50 30.7 -0.3
I41A	Arkdale	73.70 346	P	P	00 50 30.9 -0.2
I40A	Norwalk	73.71 345	P	P	00 50 32.0 +0.3
TRQ	Mont Tremblant	73.81 357	eP	P	00 50 33.8 +1.5
WUAZ	Wupatki	73.84 326	eP	P	00 50 34.1 +1.8
WUAZ	Wupatki	73.84 326	eP	P	00 50 33.3 +0.9
MVCO	Mesa Verde	73.86 329	eP	P	00 50 33.8 +1.4
MVCO	Mesa Verde	73.86 329	P	P	00 50 31.9 -0.2
J37A	Redeils Farm,	73.89 343	P	P	00 50 32.2 0.0
I39A	Houston	73.89 344	eP	P	00 50 32.1 0.0
I39A	Houston	73.89 344	P	P	00 50 34.2 +1.5
Q24A	Divide	73.89 333	eP	P	00 50 34.0 +1.3
Q24A	Divide	73.89 333	P	P	00 50 34.2 +0.7
Y12C	Blythe	74.08 323	eP	P	00 50 35.2 +1.8
Y12C	Blythe	74.08 323	P	P	00 50 35.4 +1.7
IKP	In-Ko-Pah, Jac	74.10 321	P	P	00 50 35.6 +1.7
SWSC	Sam W. Stewart	74.15 322	P	P	00 50 33.2 -0.6
H41A	Junction City	74.19 346	eP	P	00 50 33.7 -0.1
H41A	Junction City	74.19 346	P	P	00 50 34.3 0.0
I38A	Scanlan Farm,	74.26 344	P	P	00 50 35.6 +0.9
PDMCJ	Parker Dam,Lak	74.30 324	P	P	00 50 34.7 -0.2
H40A	Chili	74.35 345	P	P	00 50 35.8 +0.2
BAR	Barrett	74.44 321	eP	P	00 50 37.6 +1.7
MONP	Monument Peak	74.46 321	P	P	00 50 37.4 +1.3
BC3	Big Chuckawall	74.50 322	P	P	00 50 36.0 +0.3
I37A	Lemond, Waseca	74.50 343	eP	P	00 50 35.7 0.0
I37A	Lemond, Waseca	74.50 343	P	P	00 50 35.7 -0.1
G42A	Mountain	74.53 347	eP	P	00 50 35.9 +0.1
G42A	Mountain	74.53 347	P	P	00 50 36.1 -0.2
H39A	Augusta	74.61 345	P	P	00 50 36.5 -0.1
I36A	Fitzsimmons Fa	74.67 343	P	P	00 50 36.5 -0.1

IRM	Iron Mountain	74.72 323	P	P	00 50 38.8 +1.6
W13A	Hualapai Mount	74.78 324	eP	P	00 50 38.5 +0.7
PV13	Radium Mtn, P	74.78 330	eP	P	00 50 38.2 +0.4
ISCO	Idaho Springs	74.79 333	eP	P	00 50 39.2 +1.4
ISCO	Idaho Springs	74.79 333	eP	P	00 50 39.2 +1.4
ISCO	Idaho Springs	74.79 333	eP	P	00 50 39.1 +1.2
PV02	Paradox Valley	74.79 330	eP	P	00 50 38.7 +0.9
SMCO	Snowmass	74.83 331	eP	P	00 50 40.0 +1.8
PV05	Paradox Valley	74.84 329	eP	P	00 50 39.7 +1.6
H38A	Maiden Rock	74.84 344	P	P	00 50 37.6 -0.1
F43A	Flat Rock, Esc	74.86 348	P	P	00 50 40.1 +1.8
PV03	Paradox Valley	74.87 330	eP	P	00 50 40.1 +1.8
PV18	Skein Mesa, Pa	74.89 330	eP	P	00 50 40.0 0.0
H37A	Dierke Farm, C	74.91 344	P	P	00 50 39.5 +0.9
PV11	David Mesa, Pa	74.92 330	eP	P	00 50 38.1 -0.1
G40A	Rib Lake	74.93 346	P	P	00 50 39.9 +1.1
PV16	Nyswonger Mesa	74.95 330	eP	P	00 50 40.8 +1.8
FRD	Far Ranch, An	75.01 322	P	P	00 50 40.1 +1.0
XPFO	Pison Flat	75.01 322	eP	P	00 50 40.9 +1.8
PFO	Pinyon Flats O	75.02 322	eP	P	00 50 40.9 +1.8
PFO					

SC22	comp=Z,45nm,1.0s	77.08 320	P	P	00 50 51.8 +1.1
LRMC	Santa Cruz Isl baz=137	77.08 320	P	P	00 50 52.3 +1.5
D37A	Cotton	77.21 345	P	P	00 50 51.1 0.0
FURC	Furnace Creek, baz=139,SNR=8.4	77.28 323	P	P	00 50 53.8 +1.6
D36A	Goodland	77.40 344	P	P	00 50 54.1 +1.9
MPMC	Manual Prospec baz=139,SNR=5.3	77.41 323	P	P	00 50 53.8 +1.1
TPNV	Topopah Spring comp=Z,29nm,1.4s	77.42 324	eP	P	00 50 54.6 +1.8
TPNV	Topopah Spring	77.42 324	eP	P	00 50 54.6 +1.8
TPNV	Topopah Spring comp=Z,29nm,1.4s	77.42 324	P	P	00 50 54.5 +1.8
PSUT	Pine Spring comp=Z,16nm,0.9s	77.44 327	eP	P	00 50 54.6 +1.8
C38A	Sawbill Land, baz=162	77.48 346	P	P	00 50 51.8 -0.8
MPU	Maple Canyon comp=Z,28nm,1.3s	77.56 329	eP	P	00 50 54.4 +0.9
K22A	Casper	77.57 334	P	P	00 50 54.4 +1.0
K22A	Casper	77.57 334	P	P	00 50 54.7 +1.4
DAC	Darwin (Calif) comp=Z,17nm,1.0s	77.63 323	eP	P	00 50 55.8 +1.9
ISA	Isabella, Lake baz=138	77.65 322	P	P	00 50 55.5 +1.6
C37A	Embarass	77.70 345	P	P	00 50 53.5 -0.2
NLU	North Lily Min comp=Z,31nm,1.4s	77.72 329	eP	P	00 50 55.5 +1.2
EYMN	Ely	77.75 346	P	P	00 50 53.5 -0.6
PKM	McPherson Peak baz=137,SNR=7.2	77.83 320	P	P	00 50 56.8 +1.7
RSSD	Black Hills	77.89 336	eP	P	00 50 55.6 +0.4
RSSD	Black Hills	77.89 336	eP	P	00 50 55.6 +0.4
RSSD	Black Hills	77.89 336	eP	P	00 50 56.3 +1.1
JLU	Jordanelle comp=Z,17nm,1.0s	77.95 329	eP	P	00 50 57.3 +1.6
CWC	Cottonwood Cre baz=138	78.01 323	P	P	00 50 57.3 +1.3
GRAC	Grapevine Rang baz=139,SNR=8.2	78.05 323	P	P	00 50 57.7 +1.6
C35A	Jirik Farms, M baz=159	78.09 344	P	P	00 50 55.8 -0.2
VES	Vestal, Richgr baz=138,SNR=5.8	78.11 322	P	P	00 50 57.9 +1.5
R11A	Troy Canyon, C comp=Z,25nm,1.5s	78.15 325	eP	P	00 50 58.5 +1.7
R11A	Troy Canyon, C baz=140,SNR=17	78.15 325	P	P	00 50 58.5 +1.7
SMMC	Simmer baz=137	78.24 321	P	P	00 50 59.1 +1.9
DUG	Dugway, Tooele comp=Z,24nm,1.1s	78.25 328	eP	P	00 50 58.8 +1.5
DUG	Dugway, Tooele	78.25 328	eP	P	00 50 58.8 +1.5
DUG	Dugway, Tooele comp=Z,24nm,1.1s	78.25 328	P	P	00 50 58.8 +1.5
DUG	Dugway, Tooele baz=143,SNR=19	78.25 328	P	P	00 50 59.7 +1.5
TCUT	Toone Canyon comp=Z,105nm,1.7s	78.35 330	eP	P	00 50 59.0 +1.1
TIN	Tinemaha, Big Trail	78.59 343	P	P	00 50 59.8 +1.0
C33A	Trail	78.59 343	P	P	00 50 59.8 +1.0
B35A	Bob, Littlefor comp=Z,20nm,1.0s	78.65 344	eP	P	00 50 59.3 +0.3
B35A	Bob, Littlefor	78.65 344	eP	P	00 50 59.1 +0.1
PAGB	Antelope Grade comp=Z,49nm,1.4s	78.68 321	eP	P	00 50 02.0 +0.7
HWUT	Hardware Ranch comp=Z,25nm,1.0s	78.81 330	eP	P	00 51 01.3 +0.9
BW06	Boulder Array comp=Z,27nm,1.3s	78.89 332	eP	P	00 51 01.5 +0.7
BW06	Boulder Array	78.89 332	eP	P	00 51 01.5 +0.9
BW06	Boulder Array baz=146,SNR=4.2	78.89 332	eP	P	00 51 01.4 +0.7
PD31	Pinedale Array	78.89 332	eP	P	00 51 01.8 +1.0
PDAR	Pinedale Array comp=Z,11nm,0.5s,baz=131,slow=4.1,SNR=26	78.89 332	eP	P	00 51 01.4 +0.6
PDAR	Pinedale Array	78.89 332	eP	P	00 51 20.6 +2.6
PDAR	Pinedale Array comp=Z,17nm,1.1s,baz=147,slow=3.3,SNR=14	78.89 332	eP	P	01 22 09.9
BGU	Big Grassy Mou comp=Z,17nm,1.2s	78.93 329	eP	P	00 51 02.4 +1.4
SPUT	South Promonto comp=Z,30nm,1.1s	79.37 323	eP	P	00 51 02.4 +1.2
MLAC	Mammoth, Mam baz=138	79.37 323	eP	P	00 51 04.6 +1.5
OMMB	Old Mammoth Mi comp=Z,18nm,1.3s	79.37 323	eP	P	00 51 05.4 +1.7
HVU	Hansel Valley comp=Z,14nm,0.9s	79.49 329	eP	P	00 51 05.3 +1.3
HVU	Hansel Valley	79.49 329	eP	P	00 51 05.3 +1.3
NV11	Mina Array Sit comp=Z,2.6nm,2.0s	79.53 324	eP	P	00 51 04.3 0.0
AHID	Auburn Hatch comp=Z,41nm,1.0s	79.55 331	eP	P	00 51 05.3 +1.0
A33A	Warrod	79.59 344	P	P	00 51 05.9 +1.8
NV01	Mina Array Sit	79.61 324	eP	P	00 51 05.8 +1.0
NV01	Mina Array Bea	79.61 324	eP	P	00 51 06.2 +1.4
NVAR	NVAR comp=Z,1.6nm,0.7s,baz=158,slow=5.8,SNR=5.1	79.74 341	P	P	00 51 23.4 +1.3
NVAR	NVAR	79.74 341	P	P	01 22 59.9
RAR	Rarotonga	79.69 251	LR	LR	01 17 00.4
TSUM	Tsumbe	79.72 106	LR	LR	01 21 48.9
MDND	Maddock	79.74 341	P	P	00 51 05.9 +0.9
RYN	Ryan	79.87 324	eP	P	00 51 07.4 +1.2
REDW	Red Top Meadow comp=Z,38nm,1.1s	79.92 331	eP	P	00 51 07.5 +1.1
SNOW	Snow King Moun comp=Z,31nm,0.9s	79.97 332	eP	P	00 51 08.0 +1.4
KVN	Kaiserville	79.97 324	eP	P	00 51 07.7 +1.0
KVN	Kaiserville	79.97 324	eP	P	00 51 07.7 +1.0
LOHW	Long Hollow	80.02 332	eP	P	00 51 07.4 +0.4
TPAW	Teton Pass	80.07 331	eP	P	00 51 07.3 +0.1
MOOW	Moose Ponds comp=Z,25nm,1.0s	80.19 332	eP	P	00 51 09.0 +1.2
FXWY	Fox Creek	80.22 331	eP	P	00 51 09.1 +1.0
WAKR	Walker	80.26 323	eP	P	00 51 09.4 +1.1
IMW	Indian Meadow comp=Z,29nm,1.1s	80.40 332	eP	P	00 51 09.5 +0.5
CMB	Columbia Colle comp=Z,1.5nm,1.9s	80.43 322	eP	P	00 51 10.4 +1.4
CMB	Columbia Colle	80.43 322	eP	P	00 51 10.4 +1.4
FLWY	Flagg Ranch comp=Z,30nm,1.0s	80.45 332	eP	P	00 51 11.1 +1.9
YERR	Yerington	80.51 324	eP	P	00 51 10.2 +0.6
BMN	Battle Mounai comp=Z,5.6nm,1.0s	80.56 326	eP	P	00 51 10.4 +0.6
BMN	Battle Mounai	80.56 326	eP	P	00 51 10.4 +0.6
RLMT	Red Lodge	80.72 333	eP	P	00 51 11.8 +1.2

RLMT	Red Lodge	80.72 333	eP	P	00 51 11.7 +1.2
PNTR	Pine Nut	80.78 323	eP	P	00 51 12.4 +1.4
YFT	Old Faithful	80.81 332	eP	P	00 51 13.3 +2.2
LAO	LASA Array	80.88 336	eP	P	00 51 12.5 +1.2
LAO	LASA Array	80.88 336	eP	P	00 51 12.1 +0.8
ULM	Lac du Bonnet	80.92 344	P	P	00 51 11.3 0.0
ULM	Lac du Bonnet	80.92 344	P	P	00 51 28.4 -0.1
ULM	Lac du Bonnet	80.92 344	P	P	01 29 02.4
ULM	Lac du Bonnet	80.92 344	P	P	00 51 11.4 +0.1
TOAO	Torodi Ar. Sit	80.94 70	eP	P	00 51 10.2 -2.0
TORD	Torodi Ar. Bea	80.94 70	eP	P	00 51 10.4 -1.8
TORD	Torodi Ar. Bea	80.94 70	eP	P	00 51 28.8 -0.7
TORD	Torodi Ar. Bea	80.94 70	eP	P	01 26 34.7
TOA1	Torodi Ar. Sit	80.94 70	eP	P	00 51 10.4 -1.8
YMR	Madison River	81.03 332	eP	P	00 51 14.1 +1.8
PAHR	Pah Rah Rang	81.12 324	eP	P	00 51 14.5 +1.7
YHB	Horse Butte	81.20 332	eP	P	00 51 14.6 +1.4
QLMT	Earthquake Lak	81.36 332	eP	P	00 51 16.1 +2.1
AFDM	Forest Hills D	81.41 323	eP	P	00 51 14.7 +0.5
HLID	Hailey	81.43 334	eP	P	00 51 15.6 +1.3
HLID	Hailey	81.43 334	eP	P	00 51 16.9 +1.4
HLID	Hailey	81.43 334	eP	P	00 51 17.0 +1.4
DGMT	Dagmar	81.72 338	eP	P	00 51 16.8 +1.2
DGMT	Dagmar	81.72 338	eP	P	00 51 16.5 +0.9
BEKR	Beckworth	81.85 324	eP	P	00 51 17.8 +1.7
BOSA	Bosho	81.83 118	P	P	00 51 16.6 -0.4
BOSA	Bosho	81.83 118	P	P	00 51 33.0 -1.3
BOSA	Bosho	81.83 118	P	P	01 23 27.6
MCMT	McCombs Canyo	81.96 331	eP	P	00 51 18.7 +1.5
BOZ	Bozeman (W)	82.06 332	eP	P	00 51 18.4 +0.7
BOZ	Bozeman (W)	82.06 332	eP	P	00 54 21.6 -5.2
BOZ	Bozeman (W)	82.06 332	eP	P	00 51 18.3 +0.7
ORV	Oroville	82.13 323	eP	P	00 51 19.8 +1.9
MFID	Camas Ranch	82.17 329	eP	P	00 51 18.7 +0.5
DLMT	Dillon	82.28 332	eP	P	00 51 20.4 +1.6
GDXM	Geysers	82.30 321	eP	P	00 51 21.5 +2.5
SCHO	Schefferville	82.40 2	LR	LR	01 27 49.7
LRM	Limekiln Ridge	82.59 332	eP	P	00 51 21.5 +1.0
WVOR	Wild Horse Val	82.77 326	eP	P	00 51 21.1 -0.3
WVOR	Wild Horse Val	82.77 326	eP	P	00 51 21.1 -0.3
O03D	Paynes Creek	82.82 323	P	P	00 51 21.7 0.0
MOD	Modoc Plateau	83.21 325	eP	P	00 51 23.6 -0.1
O02D	Mt. Diablo Mer	83.27 322	eP	P	00 51 24.4 +0.4
EGMT	Eagleton	83.31 335	eP	P	00 51 24.4 +0.4
EGMT	Eagleton	83.31 335	eP	P	00 51 24.3 +0.4
KCPM	Cahto Peak	83.35 322	eP	P	00 51 24.6 +0.2
J08A	Circle Bar Ran	83.38 327	eP	P	00 51 25.6 +1.2
WDC	Whiskeytown Da	83.42 323	eP	P	00 51 24.4 -0.2
WDC	Whiskeytown Da	83.42 323	eP	P	00 51 24.4 -0.2
LBTB	Labatse	83.75 115	eP	P	00 51 26.7 -0.3
LBTB	Labatse	83.75 115	eP	P	00 51 26.7 -0.3
N02D	Trinity Center	83.79 323	P	P	00 51 26.6 0.0
KMRM	Mail Ridge	83.80 322	eP	P	00 51 28.8 +2.1
M04C	Macdoel	83.91 324	P	P	00 51 28.1 +0.8
BMO	Blue Mountains	83.96 329	eP	P	00 51 28.3 +0.9
K05A	Summer Lake	84.11 325	eP	P	00 51 30.1 +1.8
M02C	Callahan	84.16 323	eP	P	00 51 29.0 +0.6
KHMM	Horse Mountain	84.27 322	eP	P	00 51 30.3 +1.2
YBH	Yreka Blue Hor	84.33 324	eP	P	00 51 28.8 -0.5
YBH	Yreka Blue Hor	84.33 324	eP	P	00 51 47.4 +0.7
YBH	Yreka Blue Hor	84.33 324	eP	P	01 25 46.4
YBH	Yreka Blue Hor	84.33 324	eP	P	00 51 28.5 -0.8
L04D	Klamath Falls	84.46 324	P	P	00 51 30.3 +0.2
K04D	Chiloquin, OR	84.47 325	P	P	00 51 30.8 +0.8
J05D	Fort Rock, OR	84.69 325	P	P	00 51 31.8 +0.7
JTMT	Jette	84.88 332	eP	P	00 51 33.3 +1.3
PINE	Pine Mountain	84.91 326	eP	P	00 51 33.7 +1.4
G08A	Pilot Rock	85.06 328	eP	P	00 51 32.9 0.0
J04D	Umpqua Nationa	85.09 325	P	P	00 51 33.6 +0.3
L02D	Cave Junction,	85.10 323	P	P	00 51 34.3 +1.2
J05D	Terrebonne, OR	85.50 326	P	P	00 51 35.3 +0.2
K02D	Willamette Mer	85.51 324	P	P	00 51 36.3 +1.0
J04A	Tendick Farm,	85.64 325	P	P	00 51 35.6 -0.2
WALA	Waterton Lakes	85.77 333	eP	P	00 51 37.2 +0.8
J01D	Myrtle Point	85.98 324	P	P	00 51 36.6 -0.7
J01D	Myrtle Point	85.98 324	P	P	00 51 38.5 +0.7
HAWA	Hanford	86.15 328	eP	P	00 51 39.0 +0.9
CASY	Casper	86.17 180	eP	P	00 51 39.4 +1.3
D08A	Wollman Farm,	86.36 329	eP	P	00 51 39.7 +0.5
NEW	Newport	86.48 331	eP	P	00 51 40.1 +0.3
NEW	Newport	86.48 331	eP	P	00 51 40.1 +0.3
J02D	Swohorne	86.60 325	P	P	00 51 41.0 +0.6
F05D	White Salmon	86.68 327	P	P	00 51 41.1 +0.2

MDT	Midelt	86.97 50	P	P	00 51 42.0 -0.7
MDT	Midelt	86.97 50	P	P	00 52 00.6 +0.5
MDT	Midelt	86.97 50	P	P	01 29 52.4
PBDV	Barranco-do-Ve	87.45 45	eP	P	00 51 46.7 +1.9
PVAQ	Vaqueiros	87.68 45	eP	P	00 51 48.8 +3.0
D05A	Enucrawl	87.88 328	eP	P	00 51 47.2 +0.7
PBEJ	Beja	87.97 45	eP	P	00 51 49.2 +2.0
PMTG	Montargil	88.39 44	eP	P	00 51 50.0 +0.8
BKZ	Black Stump Fm	88.61 226	eP	P	00 51 52.4 +1.9
D03D	Eldon	88.65 327	P	P	00 51 49.6 -0.6
PESTR	Estremoz	88.66 44	eP	P	00 51 50.8 +0.3
B05A	Bryant	88.70 328	P	P	00 51 50.1 -0.2
URZ	Urewera	88.74 227	LR	LR	01 22 20.0
TAM	Tamarassat	89.02 64	eP	P	00 51 51.6 -1.1
TAM	Tamarassat	89.02 64	eP	P	00 51 51.6 -1.1
LTZ					

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like LPaz, CRUC, SOTA, etc.

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like 155A Kite, 154A Montrose, etc.

Table with columns: Station Name, Frequency, Class, Power, and other technical details. Includes stations like TKL, X45A UM Field Station, etc.

ISCO	Idaho Springs	55.85	333	P	P	02 12 15.3	-0.6
G38A	Ridgeland	55.86	346	P	P	02 12 13.9	-1.5
SMCO	Snowmass	55.99	331	eP	P	02 12 17.3	+0.3
E43A	Lone Tree Farm	56.07	351	P	P	02 12 15.0	-1.8
PV02	Paradox Valley	56.11	329	eP	P	02 12 18.1	+0.4
PV13	Radium Mtn., P	56.11	329	eP	P	02 12 18.0	+0.3
SPMN	Marine on St.	56.13	346	eP	P	02 12 16.2	-1.1
SPMN	Marine on St.	56.13	346	P	P	02 12 15.8	-1.6
H35A	Sunnyside Ranch	56.17	344	P	P	02 12 16.1	-1.5
Y12C	Blythe	56.17	321	eP	P	02 12 18.6	+0.7
Y12C	Blythe	56.17	321	P	P	02 12 18.1	+0.2
COWI	Conover	56.17	349	eP	P	02 12 16.7	-1.0
F40A	Park Falls	56.19	348	P	P	02 12 16.5	-1.3
PV05	Paradox Valley	56.19	329	eP	P	02 12 18.2	+0.1
PV03	Paradox Valley	56.20	329	eP	P	02 12 14.1	-0.2
PV12	Saucer Basin	56.22	329	eP	P	02 12 18.8	+0.3
PV18	Skein Mesa, Pa	56.22	329	eP	P	02 12 18.2	-0.2
PV11	David Mesa, Pa	56.24	329	eP	P	02 12 18.8	+0.2
E42A	Champion	56.27	350	P	P	02 12 16.9	-1.5
PV16	Nyswonger Mesa	56.28	329	eP	P	02 12 18.9	+0.1
F39A	Loretta	56.35	347	P	P	02 12 17.6	-1.3
PV22	Blue Mesa, Par	56.38	329	eP	P	02 12 19.7	+0.1
E41A	Kenton	56.49	349	P	P	02 12 18.5	-1.4
F37A	Hirrichs Farm,	56.56	346	P	P	02 12 18.9	-1.5
F38A	Pierce - Schro	56.61	347	P	P	02 12 19.5	-1.2
E40A	Wakefield	56.65	348	P	P	02 12 20.1	-0.9
BC3	Big Chuckawall	56.69	321	P	P	02 12 22.0	+0.3
W13A	Hualapai Moun	56.70	323	eP	P	02 12 22.0	+0.1
W13A	Hualapai Moun	56.70	323	eP	P	02 12 53.5	+2.6
U15A	North Rim	56.70	325	eP	P	02 12 22.4	+0.4
E39A	Mellen	56.72	348	P	P	02 12 20.5	-1.0
MONP2	Monument Peak	56.81	319	P	P	02 12 23.2	+0.6
IRM	Iron Mountain	56.83	321	P	P	02 12 23.0	+0.4
E38A	The Farm, Brul	57.15	347	eP	P	02 12 23.6	-0.9
E38A	The Farm, Brul	57.15	347	P	P	02 12 23.2	-1.3
BELC	Belle Mtn. Jos	57.25	321	P	P	02 12 26.7	+1.0
FRD	Ford Ranch, An	57.31	320	P	P	02 12 22.6	+0.2
O20A	White River Ci	57.35	331	eP	P	02 12 26.6	+0.2
O20A	White River Ci	57.35	331	P	P	02 12 26.2	-0.2
LDFC	Landfair	57.42	322	eP	P	02 12 28.0	+1.2
PKCV	Pink Cliffs	57.44	326	eP	P	02 12 28.1	+1.0
GMRC	Granite Mounta	57.56	321	P	P	02 12 28.2	+0.3
LCMT	Little Creek M	57.65	325	eP	P	02 12 29.3	+0.8
SRU	San Rafael Swe	57.70	329	eP	P	02 12 29.0	+0.1
SRU	San Rafael Swe	57.70	329	eP	P	02 12 29.0	+0.1
D37A	Cotton	57.87	347	P	P	02 12 28.6	-1.0
P18A	Preston Hunter	57.95	329	eP	P	02 12 30.9	+0.2
HEC	Hector,Ludlow	58.01	321	P	P	02 12 31.5	+0.5
D36A	Goodland	58.05	346	eP	P	02 12 29.8	-1.1
D36A	Goodland	58.05	346	P	P	02 12 29.4	-1.5
P17A	Butcher Ranch,	58.09	329	eP	P	02 12 31.7	+0.2
RWWY	Rawlins	58.09	333	eP	P	02 12 31.4	-0.1
CCUT	Cedar City	58.10	325	eP	P	02 12 32.8	+1.1
MSU	Marysvalle	58.13	327	eP	P	02 12 32.6	+0.7
MSU	Marysvalle	58.13	327	P	P	02 12 32.6	+0.7
C38A	Sawbill Land.	58.15	348	P	P	02 12 29.7	-1.8
TUQ	Turquoise Moun	58.15	322	P	P	02 12 32.0	+0.1
C37A	Embarrass	58.35	347	P	P	02 12 31.8	-1.1
EYMN	Ely	58.41	348	eP	P	02 12 32.2	-1.1
EYMN	Ely	58.41	348	P	P	02 12 31.8	-1.5
SHPR	Sheep Range	58.41	323	eP	P	02 12 34.5	+0.7
K22A	Casper	58.56	334	eP	P	02 12 34.4	-0.3
K22A	Casper	58.56	334	P	P	02 12 34.1	-0.6
GSC	Goldstone, Bar	58.61	321	eP	P	02 12 35.8	+0.7
GSC	Goldstone, Bar	58.61	321	eP	P	02 12 35.8	+0.7
GSC	Goldstone, Bar	58.61	321	P	P	02 12 35.5	+0.4
RSSD	Black Hills	58.74	337	eP	P	02 12 36.2	+0.2
RSSD	Black Hills	58.74	337	eP	P	02 12 36.2	+0.2
RSSD	Black Hills	58.74	337	P	P	02 12 35.4	-0.5
MPU	Maple Canyon	58.95	328	eP	P	02 12 37.8	+0.3
PSUT	Pine Spring	59.07	326	eP	P	02 12 39.1	+0.7
JLU	Jordanville	59.29	329	eP	P	02 12 40.3	+0.4
B35A	Bob, Littlefor	59.30	346	eP	P	02 12 38.1	-1.4
B35A	Bob, Littlefor	59.30	346	P	P	02 12 38.0	-1.5
TPNV	Topopah Spring	59.36	323	eP	P	02 12 40.8	+0.4
TPNV	Topopah Spring	59.36	323	eP	P	02 12 40.8	+0.4
TPNV	Topopah Spring	59.36	323	P	P	02 12 40.7	+0.4
FURC	Furnace Creek,	59.41	322	P	P	02 12 40.8	+0.4
CTU	Camp Tracy	59.51	329	eP	P	02 12 42.0	+0.7
MPMC	Manual Prospec	59.52	321	P	P	02 12 41.4	-0.2
SCZ2	Santa Cruz Isl	59.59	318	P	P	02 12 42.1	+0.3
TCUT	Toone Canyon	59.65	329	eP	P	02 12 42.7	+0.3
DUG	Dugway, Tooele	59.70	328	eP	P	02 12 42.9	+0.4
DUG	Dugway, Tooele	59.70	328	eP	P	02 12 42.9	+0.4
DUG	Dugway, Tooele	59.70	328	P	P	02 12 42.9	+0.4

DUG	Dugway, Tooele	59.70	328	P	P	02 12 42.7	+0.2
R11A	Troy Canyon, C	59.92	325	eP	P	02 12 44.5	+0.4
R11A	Troy Canyon, C	59.92	325	P	P	02 12 44.5	+0.4
BW06	Boulder Array	60.01	332	eP	P	02 12 44.1	-0.7
BW06	Boulder Array	60.01	332	P	P	02 12 43.8	-1.0
PD31	Pinedale Array	60.01	332	eP	P	02 12 44.2	-0.6
PDAR	Pinedale Array	60.01	332	eP	P	02 12 43.7	-1.1
HWUT	Hardy Ranch	60.10	330	eP	P	02 12 44.8	-0.5
CWC	Cottonwood Cre	60.13	321	P	P	02 12 45.6	-0.1
A33A	Warrod	60.23	345	P	P	02 12 45.0	-0.9
SPUT	South Promonto	60.32	329	eP	P	02 12 46.9	0.0
BGU	Big Grassy Mou	60.34	328	eP	P	02 12 47.0	0.0
VES	Vestal, Richgr	60.38	320	eP	P	02 12 47.7	+0.6
MDND	Maddock	60.42	342	eP	P	02 12 47.5	+0.3
MDND	Maddock	60.42	342	P	P	02 12 47.1	-0.1
AHID	Auburn Hatcher	60.74	331	eP	P	02 12 49.4	-0.3
REDW	Red Top Meadow	61.08	332	eP	P	02 12 51.8	-0.3
LOHW	Long Hollow	61.15	332	eP	P	02 12 52.3	-0.2
MOOW	Moose Ponds	61.32	332	eP	P	02 12 53.2	-0.4
FXWY	Fox Creek	61.37	332	eP	P	02 12 53.7	-0.2
OMMB	Old Mammoth Mi	61.45	322	eP	P	02 12 55.3	+0.6
NV11	Mina Array Sit	61.47	332	eP	P	02 12 55.6	+0.9
IMW	Indian Meadow	61.53	332	eP	P	02 12 55.0	-0.1
NV01	Mina Array Sit	61.56	332	eP	P	02 12 55.3	0.0
NV01	Mina Array Sea	61.56	332	P	P	02 12 55.1	-0.2
FLWY	Flagg Ranch	61.56	332	eP	P	02 12 55.6	+0.4
ULM	Lac du Bonnet	61.57	346	eP	P	02 12 53.5	-1.4
ULM	Lac du Bonnet	61.57	346	eP	P	02 12 54.0	-0.8
ULM	Lac du Bonnet	61.57	346	eP	P	02 12 54.0	-0.8
RLMT	Red Lodge	61.72	334	eP	P	02 12 55.8	-0.5
RLMT	Red Lodge	61.72	334	P	P	02 12 55.6	-0.7
LAO	LASA Array	61.73	337	P	P	02 12 56.3	+0.2
YPP	Pitchstone Pla	61.75	332	eP	P	02 12 57.1	+0.5
YPP	Pitchstone Pla	61.75	332	eP	P	02 13 57.3	+0.1
KVN	Kaiserville	61.84	324	eP	P	02 12 57.3	+0.1
KVN	Kaiserville	61.84	324	eP	P	02 12 57.3	+0.1
YMR	Madison River	62.13	332	eP	P	02 13 00.4	+1.3
YMR	Madison River	62.13	332	eP	P	02 13 26.3	-2.1
BMN	Battle Mountai	62.26	325	eP	P	02 13 00.2	+0.3
BMN	Battle Mountai	62.26	325	eP	P	02 13 00.2	+0.3
WAKR	Walker	62.28	322	eP	P	02 13 01.1	+0.9
YHB	Horse Butte	62.30	332	eP	P	02 13 01.0	+0.9
YHB	Horse Butte	62.30	332	eP	P	02 13 24.9	-4.7
GCMT	Greycliff	62.42	334	eP	P	02 13 00.9	+0.1
QLMT	Earthquake Lak	62.47	332	eP	P	02 13 00.8	-0.5
QLMT	Earthquake Lak	62.47	332	eP	P	02 13 01.1	+0.1
DGMT	Dagmar	62.49	339	eP	P	02 13 04.6	+0.1
HLID	Hailey	62.96	329	eP	P	02 13 04.4	-0.1
HLID	Hailey	62.96	329	P	P	02 13 04.4	-0.1
MCMT	McKenzie Canyo	63.13	331	eP	P	02 13 06.2	+0.5
BOZ	Bozeman (W)	63.14	333	eP	P	02 13 05.7	+0.1
BOZ	Bozeman (W)	63.14	333	eP	P	02 13 36.7	+1.6
BOZ	Bozeman (W)	63.14	333	eP	P	02 13 05.7	+0.1
BOZ	Bozeman (W)	63.14	333	eP	P	02 13 36.7	+1.6
BOZ	Bozeman (W)	63.14	333	P	P	02 13 05.2	-0.4
DLMT	Dillon	63.41	332	eP	P	02 13 07.5	+0.1
AFDM	Forest Hills D	63.49	322	eP	P	02 13 08.6	+0.6
MFID	Camas Ranch	63.57	329	eP	P	02 13 08.7	+0.2
MFID	Camas Ranch	63.57	329	eP	P	02 13 40.2	+2.2
BEKR	Beckworth	63.70	323	eP	P	02 13 10.1	+0.6
SCHO	Schefferville	64.11	6	P	P	02 13 11.1	-0.6
SCHO	Schefferville	64.11	6	P	P	02 13 11.1	-0.6
ORV	Oroville	64.19	322	eP	P	02 13 11.4	-1.1
ORV	Oroville	64.19	322	eP	P	02 13 11.4	-1.1
EGMT	Eagleton	64.22	335	eP	P	02 13 12.5	-0.1
EGMT	Eagleton	64.22	335	P	P	02 13 12.1	-0.5
O03D	Paynes Creek	64.83	323	P	P	02 13 15.8	-1.0
MOD	Modoc Plateau	64.98	325	eP	P	02 13 17.5	-0.2
MOD	Modoc Plateau	64.98	325	eP	P	02 13 47.9	+0.6
O02D	Mt. Diablo Mer	65.36	322	eP	P	02 13 19.4	-0.7
KCPM	Cahto Peak	65.55	321	eP	P	02 13 22.7	+1.3
M04C	Macdoel	65.78	324	P	P	02 13 22.5	-0.5
K05A	Summer Lake	65.84	325	eP	P	02 13 24.1	+0.7
KMRM	Mail Ridge	65.94	322	eP	P	02 13 24.8	+0.9
F10A	Beach Ranch, E	66.08	330	eP	P	02 13 25.8	+1.1
M02C	Callahan	66.14	323	P	P	02 13 24.2	-1.0
YBH	Yreka Blue Hor	66.26	323	eP	P	02 13 24.9	-1.0
YBH	Yreka Blue Hor	66.26	323	P	02 13 24.9	-1.0	
L04D	Klamath Falls	66.33	324	P	P	02 13 25.7	-0.6
KHMM	Horse Mountain	66.35	322	eP	P	02 13 27.4	+0.8
J05D	Fort Hook, OR	66.39	325	P	P	02 13 26.6	-0.2
G08A	Pilot Rock	66.49	328	eP	P	02 13 27.4	0.0
PINE	Pine Mountain	66.56	326	eP	P	02 13 28.6	+0.8
PINE	Pine Mountain	66.56	326	eP	P	02 13 59.8	+2.2
W4L4	Waterloo Lakes	66.78	334				

Table with columns: AAK, comp, pmax, pmax, and various station names like ZAAO, ZALV, ZAA1, etc.

Table with columns: FIAO, FINES, KIEV, KIEV, KIBS, RIDG, SCRK, EGAK, DAWY, MLR, MLR, BUR04, BUR08, INK, INK, INK, INK, CRVS, CRVS, WHY, SKAG, HFS, HFS, NC401, NC405, NC400, NC301, NB2, NOA, NOA, NC205, DLBC, GERES, YKA, YKA, DAVOX, VYDA, VYDA, PPT, BORG, TOA1, TORO, KOWA, LTX, LTX, TXAR, DBIC, KIC, TIC, LIC, BOAB, CBYP, STJP, OBIP, HMP, MTP, PLCA, and various station names.

Table with columns: IHD, IDIM, IGHA, IGHA, IBRE, IBRE, ISKI, IGRS, IGRS, IGVA, IGVA, IKVO, IREN, IREN, IMEL, IMEL, IHLA, DAG, IADA, IADA, IVOF, IVOF, ILOF, ILOF, STEI, STEI, STEI, KONS, KONS, KONS, STOK, STOK, TRO, TRO, and various station names.

IDC 07 06:15:01.2,4.9,30,307Sx138.46E,h18km,33km, mb1 3.2/3,mb1mx3.1/4.2,mbtmp3.0/3,ML3.0/3, Error ellipse: s-maj=85.2km s-min=20.0km az=43.0, South Australia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Rows include STKA Stephens Creek, STKA 2.9nm,0.3s, STKA 2.9nm,0.3s, STKA 6.5nm,0.3s, ASAR Alice Springs, ASAR 0.3nm,0.3s, WRA Warramunga Arr.

KRAR 07 06:26:23.3:0.2,53.84N-87.98E,M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012. Odninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 07 06:26:34.0:4.5,53.69N-87.57E,h21km,24km,mb3.7, mpx3.4, Error ellipse: s-maj=30.1km s-min=25.0km az=33.0, Suspected Mining explosion

IDC 07 06:26:29.1:2.5,53.63N-88.01E,h0km,mb1 3.4/3, mb1mx3.2/68,mbtmp3.4/3,ML3.0/2,7C-5D, Error ellipse: s-maj=22.2km s-min=14.1km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Rows include I46RU ZALESOVO INFRA, ZALV Zalesovo Beam, ZALV 1.4nm,0.3s, KURK Kurchatov, KURK 2.3nm,0.7s, KURK 11nm,0.7s, KURBB Kurchatov Arra, KURBB 0.1nm,0.3s, KURBB 0.1nm,0.3s, KURBB 6.3nm,0.7s, KURBB 9.5nm,0.8s, KURBB 13nm,0.8s, MK31 Makanchi Array, MK31 1.3nm,0.7s, MKAR Makanchi Array, MKAR 0.2nm,0.3s, MKAR 0.3nm,0.3s, MAKZ Makanchi, MAKZ 1.9nm,0.8s, MAKZ 6.2nm,1.3s, BVAR Borovoye Array, BVAR 0.2nm,0.3s.

IDC 07 06:50:04.3:0.6,31.78N-40.62W,h0km,mb4.2/29, mb1 4.3/29,mb1mx4.1/67,mbtmp4.2/29,MS3.7/41, Ms1 3.7/41,ms1mx3.6/65, Error ellipse: s-maj=18.4km s-min=11.5km az=168.0

ISCJB 07 06:50:05.0:0.3,31.77N-40.06:40:55W,0.0:0.3,h14km, mb4.4/147,MS3.7/41, Error ellipse: s-maj=9.2km s-min=3.6km az=175.3

GCMT 07 06:50:05.9:0.4,31.85N-40.04:40:54W,0.0:0.4,h12km,1km, MW4.8/69, Moment Tensor Solution, s13.014, s69.091, Duration: 0 Moment tensor: Scales 10^16Nm; M=1.76e.17; Mw=0.71±.12; Ms=1.05e.11; Mo=0.02±.34; Mso=0.90±.06; Mv=0.42±.30; Best double couple: M=1.82500x10^16 NP1:0.31.00000°,δ51.00000°,λ-101.00000°. NP2: 0.229.00000°,δ41.00000°,λ-76.00000°. Principal axes: T 1.8190,Plg5.0000°,AzM129.0000°; N 0.0140,Plg9.0000°,AzM38.0000°; P -1.8320,Plg80.0000°,AzM248.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 07 06:50:06.0:0.2,31.73N-40.56W,h10km,mb4.6/120 Error ellipse: s-maj=5.4km s-min=2.3km az=177.0

ISC 07 06:50:06.7:0.5,31.8N:0.1-40.57W-0.07,h14km,n467, c055/439,mb4.5/147,MS3.7/41,Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Rows include H07S1 FLORES T-PHASE, PICO Pico, ROSA Rosais, PGRA Graciosa, SJG San Juan, N59A State Game Lan, SCHO Schefferville, BINY Binghamton, BINY Binghamton, MDT Midelt, ESDC Sonseca Arra, ESDC 0.1nm,0.3s, M54A Oil Creek Stat, ERPA Erie, BLA Blacksburg, 156A Sylvania, BORG Borgarnes, M50A Fremont, 959A Okeechobee, S52A Salyersville, Y54A Tignall, 155A Kite, W53A Cullowhee, Z54A Sparta.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Rows include U52A Thorn Hill, O50A Cable, R51A Hillsboro, TZTN Tazewell, P50A Jamestown, V52A Sevierville, SFJD Kangerlussuaq, TKL Tuckaleechee C, TKL comp=2.293nm,20.6s, TKL Tuckaleechee C, T51A Gray, Y53A Monroe, O49A Covington, Z53A Monticello, W52A Murphy, R50A Paris, X52A Dahloonga, L48A N Adams, V51A Loudon, Q49A Aurora, T50A Nancy, U50A Jamestown, L47A Sherwood, Z50A Williamson, V50A Pikeville, E45A Wooded Hills, PTGA Pitinga, PTGA Pitinga, 252A Lumpkin, U49A Red Boiling Sp, O47A Sheridan, KOWA Kowa, KOWA comp=2.195nm,21.8s, S48A Wiedeman Farm, X50B Fort Payne, M46A Old House Field, V49A McMininville, 141A Opelika, Q47A Bedford North L, Y50A Piedmont, 251A Midway, R47A Wooly Knot Far, N46A Monticello, W49A Belvidere, Z50A Ashland, SFIN Lafayette, SFIN Lafayette, 150A Eclectic, Y49A Blount Mountai, V48A Smith Brothers, V48A Smith Brothers, T47A Sharon Grove, N45A Kentland, Z49A Columbiana, O45A Potomac, X48A Hartsele, 149A Jones, V47A Nunnelly, Y48A Jasper, LRAL Lakeview Retre, W47A Westpoint, T46A Princeton, Q45A Warren Harvey, WVT Waverly, WVT Waverly, G42A Mansfield, O44A Mansfield, 249A Camden, SENIN Lac Senin/Sane, X47A Russellville, P44A Sand Creek, Wi, 349A Repton, PLAL Pickwick Lake, Y47A UCPARC, Winfie, J42A Columbus, E41A Kenton, F41A Three Lakes, N43A Stutzman Famil, K42A Prairie Point, R44A Waltonville, X46A Booneville, L44A Carbondale, S44A Oliver, Polo, L42A Oliver, Polo.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Rows include P43A Skaggs, Pawnee, M42A Sheffield, Q43A New Douglas, J41A Loganville, E40A Wakefield, Y46A Houston, N42A Yates City, F40A Park Falls, JFWF Jewell Farm, R43A Rib Bud, K41A Shullsburg, 347A Saraland, H40A Chili, X45A UM Field Stati, P42A Winchester, S43A Fulton Ridge, I40A Norwalk, M41A Milan, E39A Mellen, Y45A Yeager Farm, C, Q42A Golden Eagle, T43A Greenville, F39A Loretta, DAVOX Davos/Dischmat, DAVOX comp=2.33nm,18.2s, K40A Colesburg, G39A Holcombe, H39A Augusta, L40A Anamosa, L40A Anamosa, S42A Caledonia, KEST Kesra, K35A Sawbill Land, 346A Big Creek Wild, I39A Houston, I39A Houston, ROSC El Rosal, 446A Poplarville, E38A The Farm, Brul, Q41A Truxton, M40A Post Highland, EYMN Ely, J39A Decorah, T42A Van Buren, T42A Van Buren, DBC Dimbokro, TAM Tamarrasat, R41A Rosed, F38A Pierce - Schro, K39A Oelwein, L39A Vinton, X43A Marvel, O40A La Belle, C37A Embarrass, M39A Webster, I38A Scanlan Farm, V42A Derby Farms, D, S41A Jilco Farms, P40A Paris, P40A Paris, D37A Cotton, J38A Wedel Dairy, R, Q40A Laux Farm, Aux, T41A Mountain View, W42A Bald Knob, N39A Derby Farms, D, SPMM Marine on St., K38A Parkersburg, R40A Maddies Statio, U41A Viola, 344A Westbrook Farm, H37A Dierke Farm, C, L38A Oak Wood Farm, D36A Godland, P39B Salisbury, S40A Lebon, V41A Mountainview, CCAR Cane Creek, T40A Mansfield, Y42A Garnett, Star, M38A Pleasantville, I37A Lemond, Waseca, Q39A Willow Grove F.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like KMRM Mail Ridge, JCC Jacoby Creek, DAWY Dawson Creek, etc.

ICD 0707:13:48.2-8.36:45Sx178.72E, h0km, mb4.4/2, mb1.4, 6.2, mb1mx3.8/42, mbtmp4.4/2, Error ellipse: s-maj=280.9km s-min=170.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like KUZ Kuaotunu, HAZ Te Kaha, HAZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like DUWZ D'Urville Is, MSWZ Moikau Station, BHW Baring Head, etc.

ISN 0707:19:14.9-0.3, 37.40N-43.00E, h0km, ML2.2
ISCJBJ 0707:19:17.8-0.6, 37.49N-0.09-42.98E, h3km, 9km, Error ellipse: s-maj=15.4km s-min=4.5km az=5.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like SIRT Sirnak, SIRT S-rnak, SIRT SIFIN, etc.

IDC 0707:25:08.5-1.1, 37.27N-70.33E, h0km, mb3.6/8, mb1.3, 8/15, mb1mx3.6/70, mbtmp3.7/15, ML3.4/7, MS3.7/4, MS1.3/7.4, ms1mx2.8/67, Error ellipse: s-maj=19.4km, s-min=17.7km az=142.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like CEP Cherat, SFK Sufi-Kurgan, SFK 52nm, 0.6s, SFK 72nm, 0.6s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like CHPC Chiral Chowk, THW Thame Wali, MNAS Manas, etc.

Ms1 3.9/11, ms1mx3.3/72, Error ellipse: s-maj=16.4km s-min=14.9km az=170.0
ISCJBJ 0707:43:32.8-0.3, 36.40N-0.04-142.59E, 0.03, h15km, mb4.2/39, MS4.2/11, Error ellipse: s-maj=5.4km s-min=3.7km az=154.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like CHJOJ Chosi, CHJOJ Hitachinakayam, JHYU JHYU, etc.

NEIC 0707:43:37.8-0.8, 36.27N-142.53E, h44km, 7km, mb4.4/14, Error ellipse: s-maj=8.6km s-min=6.3km az=169.0
ISC 0707:43:34.0-0.6, 36.40N-0.05-142.50E, 0.06, h15km, n99, Error ellipse: s-maj=8.6km s-min=6.3km az=169.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like CHJOJ Chosi, CHJOJ Hitachinakayam, JHYU JHYU, etc.

IDC 0707:12:8.0-0.6, 37.31N-10.05-70.03E, 0.07, h30km, n31, az=31/32, mb3.5/8, 5C-8D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries like KSRS KSRS, KSAR Wonju Array Be, KSAR Kuldur, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes entries like MAKZ Makanchi, IM3 Indian Mountai, KURKB Kurchatov, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes entries like BUJ 07:07:48:13.2, IDC 07:07:48:14.0, HLW 07:07:48:15.0, etc.

Main table with columns: Code, Station Name, Az, El, P, Time, Res. Includes entries like VAM lera Moni Meta, IMMV lera Moni Meta, IMMV Prines Rethymn, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes entries like EVR Evrytania, KSL Kastellorizon, SIGR SIGRI, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like KIS, SIM, BURAR, VISS, CEY, JAVZ, PERS, SOKA, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like CLL, CLM, TAM, WLF, WLF, VSR, DOU, etc.

Table with columns: Station, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like DBIC, TIC, KIC, LIC, AAK, AAK, FRU, FRU, BORG, KSH, KSH, KSH, KSH, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like P50A Jamestown, P49A Miami Univ. Ec, R41A Rosebud, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MSU Marysvale, SHPR Sheep Range, RWWY Rawlins, etc.

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

ISCJB 07 10:42:15.9d.0.5, 42.40N, 0.07x138.141E, 0.06, h250km, mb3.3/5, Error ellipse: s-maj=9.5km s-min=6.2km az=161.9
IDC 07 10:42:16.5: 1.6, 42.45N, 138.35E, h238km, 23km, mb3.0/5, mb1 3.0/7, mb1mx2.8/66, mbtm3.3/7, Error ellipse: s-maj=29.7km s-min=15.7km az=37.0
JMA 07 10:42:17.2: 0.3, 42.33N, 139.40E, h242km, 2km, M2.8
ISC 07 10:42:16.6: 0.9, 42.39N, 0.07x138.41E, 0.06, h250km, n23, c1511/28, mb3.2/5, Eastern Sea of Japan

7d 11h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like JCH, JYK, JAR, JMK, JMR, etc.

ISCJB 07 10:44:49.9, 0.5, 63.35N, 0.02:145W, 0.05, h6km, 4km, mb3.5/1, Error ellipse: s-maj=3.9km s-min=3.0km az=176.4

ICC 07 10:44:49.2, 1.8, 63.34N, 145.04W, h0km, mb3.4/1, mb1 3.5/2, mb1mx3.2/73, mbtmp3.3/2, ML3.2/81, Error ellipse: s-maj=20.3km s-min=13.9km az=16.0

NEIC 07 10:44:50.0, 0.6, 63.33N, 145.16W, h7km, ML3.6(AEIC), After AEIC.

ISC 07 10:44:49.5, 1.2, 63.36N, 0.02:145.05W, 0.03, h2km, 10km, n64, c09075, Central Alaska

Large table listing station data for Central Alaska, including stations like PS10, RIDG, PAX, etc.

SJA 07 11:00:54.5, 0.5, 33.05S, 72.59W, h38km, ML3.0, MW3.7
GUC 07 11:00:59.2, 0.4, 32.84S, 71.98W, h38km, 2km, ML3.1

ISC 07 11:00:52.1, 3.0, 32.76S, 0.06:72.3W, 0.1, h6km, 13km, n13, c087/21, 2D, Off coast of central Chile

Table listing station data for Chile, including stations like ROC1, ROC2, ROC3, etc.

2012 AUG

ICC 07 11:04:55.1, 1.4, 36.28N, 28.79E, h0km, mb3.4/2, mb1 3.5/6, mb1mx3.3/60, mbtmp3.4/6, ML3.4/3, Error ellipse: s-maj=29.6km s-min=18.1km az=149.0

ATH 07 11:04:59.7, 36.43N, 28.73E, h38km, 2km, ML3.4/5, Error ellipse: s-maj=2.9km s-min=1.2km az=173.0

ISCJB 07 11:05:00.1, 0.4, 36.31N, 0.02:28.76E, 0.02, h32km, 3km, mb3.3/2, Error ellipse: s-maj=4.2km s-min=3.1km az=9.8

ISK 07 11:05:00.3, 36.40N, 28.71E, h24km, ML3.6/22 THE 07 11:05:01.0, 0.4, 36.38N, 28.73E, h17km, ML3.2/2, Error ellipse: s-maj=0.8km s-min=0.4km az=145.0

NIC 07 11:05:01.6, 0.2, 36.29N, 28.92E, h50km, mb4.1, ML3.7 DDA 07 11:05:01.6, 36.47N, 28.70E, h7km, ML3.8

ISC 07 11:04:50.1, 0.1, 36.33N, 0.03:28.73E, 0.02, h28km, gkm, n63, c102/90, Dodecanese Islands

Table listing station data for Dodecanese Islands, including stations like FETHY, FEYI, DALY, etc.

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Table listing station data for various locations, including WRA, ASAR, H11S, etc.

WEL 07 11:19:21.3, 1.1, 38.5S, 10.18W, h33km, ML3.6/14, East of North Island

Table listing station data for East of North Island, including stations like WMGZ, MXZ, PUZ, etc.

MAN 07 11:21:39.8, 12.00N, 124.24E, h90km, mb4.5, ML3.4, MS3.2, 1D, Samar

Table listing station data for Samar, including stations like CNP, OCLP, etc.

ISCJB 07 11:29:50.8, 0.6, 56.62N, 0.04:17.54E, 0.06, h0km, Error ellipse: s-maj=5.8km s-min=4.1km az=141.7

UPP 07 11:29:52.0, 0.3, 56.50N, 0.04:17.41E, h0km, ML1.7 HEL 07 11:29:53.0, 0.2, 56.59N, 17.39E, h0km, ML2.1, ML1.7(UPP), Explosion

ICC 07 11:29:56.2, 2.5, 56.84N, 17.72E, h0km, mb1 3.1/4, mb1mx2.9/73, mbtmp3.1/4, ML2.6/4, Error ellipse: s-maj=25.9km s-min=12.1km az=13.0

NAO 07 11:29:58.9, 3.1, 57.15N, 17.43E, ML3.0 ISC 07 11:29:51.0, 0.9, 56.62N, 0.04:17.32E, 0.04, h0km, n34, c1993/52, Battic Sea

Table listing station data for Battic Sea, including stations like BYXU, OSKU, BLEU, etc.

7d 12h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like GOTU, VJXU, VIKU, etc.

TIR 07 12:16:45.6, 37.342N, 19.76E, h9km, Md4.5/5
THE 07 12:16:47.1, 37.22N, 20.38E, h5km, ML3.7/5, Error ellipse:
s-maj=1.5km s-min=0.6km az=60.0

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like ZKS, KFL, VLN, etc.

2012 AUG

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like TRIP, LK2D, LK2D, etc.

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Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like KKB, BCI, BUM, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H m s, ISC. Includes stations like ISCJB, GUC, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KPKS, PDGK, AAK, SFK, KTBS, CHMS, CHKK, KUU, KTM, USP, MRKS, DJR, MNAS, KAPS.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MDOK, TKM2, AAK, WMQ, MAK2, MK31, MKAR, KURBB, GTA, BVAR, ZALV, CMAR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JAK, JAR, JTRK, JOB, KUR, KUR, KUR, KUR.

IDC 07 14:07:25.5-452.0,47°25'N,46°50'E, h0km, Error ellipse: s-maj=186.6km s-min=139.7km az=179.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like I31KZ, I43RU, I26DE.

DDA 07 14:14:43.0,38°16'N,38°52'E, h7km, M2.8 ISK 07 14:14:42.5,38°11'N,38°51'E, h5km, ML2.1/6 ISC 07 14:14:42.9,1,2,38°14'N,0°03.38'W, h5km, 11km, n16, e059/26, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AKCD, ELZG, SVRC, URFU, HEKM, DARE, PTK, SANLU, SANL, ELBS, KEMA, KEMA, SURC, SURC, GAZ, KMRS, HANI, MAZI, SVAN.

WEL 07 14:24:03.5,1,3,36°S,24°17'9"W, 2'6, h33km, ML3.7/10, East of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WMGZ, WMGZ, PUK, HAZ, TWGZ, RWGZ, CNZG, TKGZ, MWZ, MWZ, RAGZ, URZ, URZ, MTHZ, NMHZ, MRZ.

ISCJB 07 14:26:05.9,0.7,21°27'S,0°09',178°3'W, 0.1, h550km, mb4.2/12, Error ellipse: s-maj=15.0km s-min=10.5km az=35.2

IDC 07 14:26:07.0,1.8,20°99'S,178°47'W, h529km, 19km, mb3.6/11, mb1 3.7/13, mb1mx3.3/45, mbtmp3.4/6, ML2.5/13, Error ellipse: s-maj=22.2km s-min=12.6km az=157.0

ISC 07 14:26:06.8,0.7,21°S,0°10',178°2'W, 0.10, h550km, n22, e219/26, mb4.4/12, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AFI, DZM, URZ, URZ, STKA, PMG, JAY, ASAR, ASAR, WRA, WRA, FITZ, SIJU, QSPA, ILAR, PDAR, CMAR, BVAR, AKASE, EKA, BRRI, MMTI, MLR.

IDC 07 13:48:57.6,1.9,38°61'N,142°41'E, h0km, mb3.4/3, mb1 3.4/6, mb1mx3.3/68, mbtmp3.4/6, ML2.6/3, Error ellipse: s-maj=42.2km s-min=22.9km az=91.0

NIED 07 13:49:00,38°30'N,142°10'E, h38km, Mw3.6 Best double couple: M=3.00000e+10, N1=3.1230000e+7, N2=3.00000e+7, N3=3.00000e+7, N4=3.00000e+7, N5=3.00000e+7, N6=3.00000e+7, N7=3.00000e+7, N8=3.00000e+7, N9=3.00000e+7, N10=3.00000e+7, N11=3.00000e+7, N12=3.00000e+7, N13=3.00000e+7, N14=3.00000e+7, N15=3.00000e+7, N16=3.00000e+7, N17=3.00000e+7, N18=3.00000e+7, N19=3.00000e+7, N20=3.00000e+7, N21=3.00000e+7, N22=3.00000e+7, N23=3.00000e+7, N24=3.00000e+7, N25=3.00000e+7, N26=3.00000e+7, N27=3.00000e+7, N28=3.00000e+7, N29=3.00000e+7, N30=3.00000e+7, N31=3.00000e+7, N32=3.00000e+7, N33=3.00000e+7, N34=3.00000e+7, N35=3.00000e+7, N36=3.00000e+7, N37=3.00000e+7, N38=3.00000e+7, N39=3.00000e+7, N40=3.00000e+7, N41=3.00000e+7, N42=3.00000e+7, N43=3.00000e+7, N44=3.00000e+7, N45=3.00000e+7, N46=3.00000e+7, N47=3.00000e+7, N48=3.00000e+7, N49=3.00000e+7, N50=3.00000e+7, N51=3.00000e+7, N52=3.00000e+7, N53=3.00000e+7, N54=3.00000e+7, N55=3.00000e+7, N56=3.00000e+7, N57=3.00000e+7, N58=3.00000e+7, N59=3.00000e+7, N60=3.00000e+7, N61=3.00000e+7, N62=3.00000e+7, N63=3.00000e+7, N64=3.00000e+7, N65=3.00000e+7, N66=3.00000e+7, N67=3.00000e+7, N68=3.00000e+7, N69=3.00000e+7, N70=3.00000e+7, N71=3.00000e+7, N72=3.00000e+7, N73=3.00000e+7, N74=3.00000e+7, N75=3.00000e+7, N76=3.00000e+7, N77=3.00000e+7, N78=3.00000e+7, N79=3.00000e+7, N80=3.00000e+7, N81=3.00000e+7, N82=3.00000e+7, N83=3.00000e+7, N84=3.00000e+7, N85=3.00000e+7, N86=3.00000e+7, N87=3.00000e+7, N88=3.00000e+7, N89=3.00000e+7, N90=3.00000e+7, N91=3.00000e+7, N92=3.00000e+7, N93=3.00000e+7, N94=3.00000e+7, N95=3.00000e+7, N96=3.00000e+7, N97=3.00000e+7, N98=3.00000e+7, N99=3.00000e+7, N100=3.00000e+7, N101=3.00000e+7, N102=3.00000e+7, N103=3.00000e+7, N104=3.00000e+7, N105=3.00000e+7, N106=3.00000e+7, N107=3.00000e+7, N108=3.00000e+7, N109=3.00000e+7, N110=3.00000e+7, N111=3.00000e+7, N112=3.00000e+7, N113=3.00000e+7, N114=3.00000e+7, N115=3.00000e+7, N116=3.00000e+7, N117=3.00000e+7, N118=3.00000e+7, N119=3.00000e+7, N120=3.00000e+7, N121=3.00000e+7, N122=3.00000e+7, N123=3.00000e+7, N124=3.00000e+7, N125=3.00000e+7, N126=3.00000e+7, N127=3.00000e+7, N128=3.00000e+7, N129=3.00000e+7, N130=3.00000e+7, N131=3.00000e+7, N132=3.00000e+7, N133=3.00000e+7, N134=3.00000e+7, N135=3.00000e+7, N136=3.00000e+7, N137=3.00000e+7, N138=3.00000e+7, N139=3.00000e+7, N140=3.00000e+7, N141=3.00000e+7, N142=3.00000e+7, N143=3.00000e+7, N144=3.00000e+7, N145=3.00000e+7, N146=3.00000e+7, N147=3.00000e+7, N148=3.00000e+7, N149=3.00000e+7, N150=3.00000e+7, N151=3.00000e+7, N152=3.00000e+7, N153=3.00000e+7, N154=3.00000e+7, N155=3.00000e+7, N156=3.00000e+7, N157=3.00000e+7, N158=3.00000e+7, N159=3.00000e+7, N160=3.00000e+7, N161=3.00000e+7, N162=3.00000e+7, N163=3.00000e+7, N164=3.00000e+7, N165=3.00000e+7, N166=3.00000e+7, N167=3.00000e+7, N168=3.00000e+7, N169=3.00000e+7, N170=3.00000e+7, N171=3.00000e+7, N172=3.00000e+7, N173=3.00000e+7, N174=3.00000e+7, N175=3.00000e+7, N176=3.00000e+7, 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7d 14h

GERES GERESS Array B 150.74 344 PKPbc PKPbc 14 44 58.8 +1.6

0.9nm, 0.7s, baz=48, slow=15, SNR=6.7

ISCJB 07 14:28:52.9, 2.2, 56.52N, 0.06:17.4E, 0.1, h2km, 22km,

Error ellipse: s-maj=12.4km s-min=7.2km az=38.7

UPP 07 14:28:54.1, 0.3, 56.52N, 17.37E, h0km, ML1.7,

IDC 07 14:28:57.1, 3.2, 56.59N, 17.57E, h0km, ML1.7,

mb1mx3.0/63, mbtm3.1/4, ML2.2/4, Error ellipse:

s-maj=31.2km s-min=14.9km az=11.0

ISC 07 14:28:54.0, 1.7, 56.53N, 0.06:17.37E, 0.06, h13km, 10km,

n14, c142/23, Baltic Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BYXU, BLEU, OSKU, etc.

BUJ 07 14:32:10.6, 9.60S, 112.30E, h44km, mb4.8/22, mb5.1/12,

Ms4.8/2

NEIC 07 14:32:13.7, 0.7, 9.28S, 112.44E, h51km, 5km, mb4.5/7,

Error ellipse: s-maj=11.5km s-min=5.3km az=209.0

ISCJB 07 14:32:14.4, 0.6, 9.38S, 0.05:112.29E, 0.03, h76km, 4km,

mb4.3/33, Error ellipse: s-maj=8.7km s-min=4.7km

az=14.0

IDC 07 14:32:14.2, 4.2, 6.92S, 112.41E, h53km, 23km, mb4.0/25,

mb1.4/126, mb1mx4.0/57, mbtm4.3/26, ML4.4/1, MS3.3/11,

Ms1.3/311, ms1mx3.0/57, Error ellipse: s-maj=18.5km

s-min=10.6km az=50.0

DJA 07 14:32:15.8, 0.9, 9.5S, 111.2E, h38km, 30km, M4.8/18,

mb6.3/1, mb5.1/4, MLV4.7/18, Mw(m)6.0/1,

ISC 07 14:32:13.9, 1.2, 9.48S, 0.07:112.31E, 0.04, h55km, 10km,

n107, c1544/108, mb4.4/33, MS3.1/8, South of Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GMJI, GMJJ, PCJJI, etc.

LEM 6.3nm, 0.3s, baz=295, slow=19, SNR=3.9

LEM comp=Z, 211nm, 18.9s, baz=199, slow=41

LEM Lembang 5.44 293 P Pn 14 33 33.8 +2.5

PLAI Plampang 15.51 126 S Pn 14 33 35.3 +2.9

SKJI Sukabumi 6.20 293 P Pn 14 33 44.7 +1.8

PBKI Pangkalan Bun 6.76 355 P Pn 14 33 51.8 +1.2

MMRI Maumere 9.84 86 ePn Pn 14 34 29.4 -3.3

MINAI Manna 10.59 298 ePn Pn 14 34 42.5 -0.5

BATI Baunata 11.21 95 P Pn 14 34 47.7 -3.8

BATI 2.6nm, 0.3s, baz=270, slow=2.0, SNR=2.8

Sn 14 36 45.2 -1.0

MBWA Marble Bar 13.63 149 ePn Pn 14 35 18.8 -5.7

FITZ Fitzroy Crossi 15.51 125 S Pn 14 35 46.0 -3.2

FITZ 1.1nm, 0.3s, baz=292, slow=9.0, SNR=20

Sn 14 38 24.7 -1.6

FITZ 0.4nm, 0.3s, baz=339, slow=17, SNR=3.1

LR 14 42 00.5

FITZ comp=Z, 164nm, 19.1s, baz=291, slow=38

Pn 14 35 47.1 -2.2

FITZ Fitzroy Crossi 15.51 125 ePn Pn 14 38 24.7 -1.6

Sn 14 38 24.7 -1.6

FITZ Prapat 18.08 312 LR Pn 14 38 24.7 -1.6

comp=Z, 168nm, 19.7s, baz=91, slow=38

LR 14 47 04.8

SIJI Sorong 20.71 67 LR Pn 14 45 48.6

comp=Z, 57nm, 20.1s, baz=200, slow=43

P 14 45 48.6

DAV Davao City (W) 21.10 39 LR Pn 14 45 48.6

comp=Z, 40nm, 19.3s, baz=273, slow=39

P 14 45 48.6

WRA Warramunga Arr 23.68 119 P P 14 41 05.3 +1.2

1.7nm, 0.5s, baz=294, slow=11, SNR=26

PcP 14 41 05.3 +1.2

WRA 0.2nm, 0.7s, baz=317, slow=15, SNR=5.7

PcP 14 41 05.3 +1.2

ASAR Alice Springs 24.99 127 P P 14 37 34.0 +1.3

1.4nm, 0.6s, baz=302, slow=9.7, SNR=18

PcP 14 41 08.1 +1.2

ASAR 0.9nm, 0.6s, baz=305, slow=1.9, SNR=5.7

LR 14 49 35.4

ASAR comp=Z, 113nm, 18.1s, baz=264, slow=42

P 14 49 35.4

CMAR Chiang Mai Arr 30.74 335 LR P 14 43 22.5 -1.6

1.8nm, 0.7s, baz=167, slow=8.2, SNR=12

LR 14 51 43.0

CMAR comp=Z, 69nm, 19.4s, baz=189, slow=38

P 14 39 03.7 +1.6

STKA Stephens Creek 35.11 134 P P 14 52 47.3

2.9nm, 0.5s, baz=284, slow=5.8, SNR=7.9

P 14 52 47.3

PALK Palkekele 35.62 297 LR Pn 15 21 38.5

comp=Z, 20.2s, baz=113, slow=35

T 15 21 38.5

H0S2 Diego Garcia H 39.41 269 T T 15 21 35.7

baz=91, slow=74

T 15 21 35.7

H0S3 Diego Garcia H 39.42 269 T T 15 21 40.8

baz=91

T 15 21 40.8

NJ2 Nanjing 41.77 8 eP pmax 14 40 00.4 +2.5

comp=Z, 13nm, 0.5s

NJ2 4.3nm, 0.8s

LSA Lhasa 43.97 333 eP P 14 40 15.4 -1.0

4.3nm, 0.8s

JNU Nakatsue 45.91 22 LR Pn 15 01 48.2

comp=Z, 12nm, 19.1s, baz=134, slow=39

LR 15 01 48.2

LZH Lanzhou 46.02 350 pP P 14 40 45.2 -1.5

LZH 46.02 350 pP P 14 40 50.9 -2.1

LZH comp=Z, 21nm, 1.1s

KSAR Wonju Array Be 48.91 16 P 14 40 54.2 -0.2

2012 AUG

KSRS Korea Array 48.93 17 P P 14 40 54.2 -0.3

1.6nm, 0.8s, baz=208, slow=7.3, SNR=7.0

KSRS comp=Z, 15nm, 18.1s, baz=177, slow=41

HHC Hu-ho-zhe 50.08 359 eP pmax 14 41 04.8 +1.4

HHC comp=Z, 17nm, 1.0s

HHC comp=Z, 33nm, 6.1s

MJAR Matsushiro Arr 51.85 27 P P 14 41 14.8 -2.0

0.7nm, 0.4s, baz=212, slow=4.8, SNR=5.5

CNK Changchun 54.36 12 eP P 14 41 39.7 +4.7

USR2 Ussuriysk Arr 56.33 17 P P 14 41 48.2 -1.0

9.9nm, 0.7s, baz=197, slow=10.0, SNR=12

NIL Nilore 56.72 321 eP P 14 41 49.8 -2.4

9.4nm, 1.1s

SOMN Songino Array 57.30 355 P P 14 41 55.5 -0.7

2.0nm, 0.6s, baz=176, slow=8.2, SNR=9.8

SOMN 2.1nm, 0.8s, baz=176, slow=8.2, SNR=9.8

WMQ Urumqi 57.57 339 P P 14 42 00.6 +2.5

KSH Kashi 59.27 328 eP P 14 42 03.3 -1.8

ASAJ Asahikawa 60.00 25 P P 14 42 13.3 -1.5

2.8nm, 0.7s, baz=246, slow=4.0, SNR=3.5

RPZ Rata Peaks 61.06 335 LR LR 15 10 03.2

WSAR Wadi Sarin 61.76 303 P P 14 42 27.5 +0.3

6.9nm, 0.7s, baz=139, slow=4.0, SNR=4.4

MK01 Makanchi Array 62.08 337 eP P 14 42 27.9 -1.0

MK31 Makanchi Array 62.10 337 eP P 14 42 28.1 -1.0

MK31 Makanchi Array 62.10 337 eP P 14 42 28.2 -0.8

MKAR Makanchi Array 62.10 337 eP P 14 42 28.1 -1.0

8.6nm, 0.4s, baz=150, slow=7.7, SNR=127

82m, 0.5s

AAK Ala-Archa 62.31 329 P P 14 42 30.4 -0.3

1.6nm, 0.3s, baz=152, slow=15, SNR=4.4

AAK Ala-Archa 62.31 329 eP P 14 42 30.5 -0.3

1.7nm, 0.6s, baz=155, slow=5.6, SNR=16

KK31 Karatay Array 64.71 327 eP P 14 42 45.1 -1.2

KKAR Karatay Array 64.71 327 eP P 14 42 45.1 -1.2

KURBB Kurchatov Arra 66.66 337 P P 14 42 58.0 -0.8

1.7nm, 0.6s, baz=155, slow=5.6, SNR=16

KURBB 0.4nm, 0.3s, baz=140, slow=3.7, SNR=6.2

KURK Kurchatov 66.70 337 eP P 14 42 57.3 -1.7

3.4nm, 0.7s

KURK 0.4nm, 0.3s, baz=140, slow=3.7, SNR=6.2

KURK 0.4nm, 0.3s, baz=140, slow=3.7, SNR=6.2

ZALV Zalesovo Beam 67.34 343 P P 14 43 01.6 -1.4

3.5nm, 0.4s, baz=156, slow=4.9, SNR=16

ZALV Zalesovo Beam 67.34 343 eP P 14 43 01.3 -1.7

GEYT Geleik 69.13 317 P P 14 43 12.9 -1.7

0.5nm, 0.4s, baz=130, slow=4.5, SNR=3.3

BVAR Borovoye Array 71.76 335 P P 14 43 29.4 -0.9

1.0nm, 0.7s, baz=148, slow=6.7, SNR=6.2

VNDA Vanda 72.60 170 P P 14 43 36.3 +1.3

1.0nm, 0.8s, baz=318, slow=3.0, SNR=6.6

RAYN Ar Rayn 73.04 298 eP P 14 43 38.4 -0.3

3.8nm, 0.6s

ABKAR Akbulak array 74.28 327 eP P 14 43 44.6 -0.6

AKAT Aktyubinsk 75.97 328 P P 14 43 54.6 -0.4

3.4nm, 0.7s, baz=129, slow=3.1, SNR=5.2

ARU ARU 79.17 333 P P 14 44 12.1 -0.5

NRHK Noril'sk 80.51 351 P P 14 44 18.9 -0.7

1.6nm, 0.6s, baz=323, slow=4.3, SNR=3.2

QSPA South Pole Qui 80.52 180 P P 14 44 21.9 +1.9

1.2nm, 0.7s, baz=317, slow=19, SNR=3.9

KBZ Khabaz 82.03 317 P P 14 44 28.9 +0.6

5.8nm, 0.9s, baz=103, slow=4.3, SNR=6.6

ASF Abal al Asfar 82.88 304 P P 14 44 34.0 +0.9

1.2nm, 0.4s, baz=90, slow=5.1, SNR=3.4

MMAI Mount Meron Arr 84.32 305 P P 14 44 42.0 +1.6

4.7nm, 0.7s, baz=81, slow=8.9, SNR=5.7

BRKS Keskin Array B 87.41 311 P P 14 44 56.1 +0.4

3.1nm, 0.7s, baz=90, slow=7.2, SNR=12

AKM Main Array Be 92.91 321 P P 14 45 19.8 -1.1

0.3nm, 0.3s, baz=98, slow=13.9, SNR=3.0

SPITS Spitzbergen Arr 101.44 343 P P 14 45 53.4 -1.1

1.8nm, 0.6s, baz=96, slow=13, SNR=3.2

YKA Yellowknife Arr 117.25 22 PKP P 14 50 52.0 -0.7

0.5nm, 0.5s, baz=319, slow=2.1, SNR=5.1

TXAR Lajitas Array 140.97 55 PKhKP PKPpre 14 51 34.1

1.6nm, 0.6s, baz=228, slow=4.3, SNR=6.6

CCM Cathedral Cave 144.52 33 ePKP P 14 51 43.5 +0.2

NCB Newcomb 145.17 8 ePKP P 14 51 45.1 -0.5

V40A Witts Springs 145.22 37 ePKP P 14 51 45.8 -0.2

T42A Van Buren 145.35 34 ePKP P 14 51 46.4 +0.3

MIAR Marais Ida 145.49 40 ePKP P 14 51 47.7 +0.6

LNIG Linarses 146.11 59 ePKP P 14 51 48.7 0.0

WWT Waverly 147.77 32 ePKP P 14 51 49.9 -0.3

OXF Oxford 148.12 35 ePKP P 14 51 53.6 -0.4

BDFB Brasilia 148.35 218 PKP P 14 51 57.5 +2.2

SS1A Beattyville 148.41 25 ePKP P 14 51 55.1 +0.1

PLAL Pickwick Lake 148.51 33 ePKP P 14 51 55.0 -0.1

V48A Smith Brothers 148.58 31 ePKP P 14 51 55.4 +0.2

SWET Sewanee 149.44 30 ePKP P 14 51 57.6 +0.2

V51A Loudon 149.72 28 ePKP P 14 51 58.3 +0.2

CPOT Cooper Cave 149.78 26 ePKP P 14 51 57.5 -1.1

V52A Sevierville 150.03 26 ePKP P 14 52 00.1 +1.3

TKL Tuckaleechee C 150.20 27 PKP P 14 52 00.1 +1.1

8.9nm, 0.6s, baz=145, slow=9.0, SNR=11

W52A Murphy 150.50 28 ePKP P 14 51 53.3 -1.4

W52A 150.50 28 ePKP P 14 52 01.3 +0.5

VMSA Saluda 150.51 26 ePKP P 14 52 01.2 +1.2

KSAR Kings Mountain 151.58 24 ePKP P 14 5

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

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

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

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

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

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

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like EKS2, UZB, USP, etc.

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

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

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

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

Table with columns: ID, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELSON Array, WARRAMUNGA Arr, ASAR Alice Springs, etc.

IDC 07 15:52:60.0,2.8,5.98S,-147.11E,h0km,mb3.2/3, mb1 3.4/5,mb1mx3.3/4,mbtmp3.3/5,ML2.4/2,Error ellipse: s-maj=72.5km s-min=28.1km az=95.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PMG Port Moresby, WRA Warramunga Arr, WRA Warramunga Arr, etc.

IS/CJB 07 16:10:58.4,0.2,10.17N,0.03:84.51W,0.03,h114km,2km, mb4.5/115,Error ellipse: s-maj=6.1km s-min=3.0km az=34.3

NEIC 07 16:10:58.4,0.3,10.31N:84.44W,mb4.6/100, MD5.0(UCR),Error ellipse: s-maj=7.4km s-min=4.5km az=34.0

NEIC Fall (II) at San Jose and (II) at Alajuela and San Felipe. Also fall at Atenas, Cartago, Colon, Escazu, Heredia, Jaco, Laguna, Mercedes, Mandayure, Quepos, Quesada, Salitral, San Isidro, San Pedro, San Rafael Abajo, Santa Ana and Santiago.

IDC 07 16:10:58.4,0.4,10.45N:84.41W,h87km,5km,mb4.0/25, mb1 4.2/29,mb1mx4.1/49,mbtmp4.4/29,MS3.2/14, Ms1 3.2/14,ms1mx3.1/39,Error ellipse: s-maj=14.2km s-min=9.9km az=32.0

CASC 07 16:11:00.2,1.5,10.29N:84.40W,h87km,5km,ML3.9, mb4.6(NEIC)

ISC 07 16:10:58.9,0.5,10.31N:0.05:84.43W,0.05,h95km,4km, n51.1,1572/562,mb4.5/116,LD, Costa Rica

Main table of station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SRA1 San Ramon, ARE1 Arenal, HD1 Heredia, etc.

Main table of station data with columns: ID, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 857A Zephyrhills, 858A St. Cloud, 757A Oxnard, etc.

Main table of station data with columns: ID, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like 833A Chaparral WMA, 242A Grayson, 249A Columbiana, etc.

V53A	Saluda	25.28	3	eP	P	16 16 17.9 +1.4	baz=166,SNR=7.5	Q47A	Bedord North L	28.56	357	P	P	16 16 46.4 +0.6	K38A	Parkersburg	33.03	349	P	P	16 17 24.8 -0.3
V53A	Saluda	25.28	3	P	P	16 16 18.3 +1.8	baz=176	Q51A	Peebles	28.61	2	P	P	16 16 47.4 +1.4	J43A	Natural Harves	33.12	355	P	P	16 17 26.2 +0.3
V49A	McMinville	25.37	357	P	P	16 16 18.4 +1.1	baz=182	Q45A	Warren Harvey,	28.66	354	P	P	16 16 46.8 +0.2	J42A	Columbus	33.13	354	P	P	16 17 26.4 +0.4
V51A	Loudon	25.38	0	eP	P	16 16 18.6 +1.4	baz=172	R40A	Maddies Statio	28.73	347	P	P	16 16 46.6 -0.8	SDCO	Great Sand Dun	33.24	329	eP	P	16 17 28.1 +0.6
V51A	Loudon	25.38	0	P	P	16 16 18.3 +1.0	baz=164	MNTX	Cornudas Mount	28.80	321	eP	P	16 16 49.4 +1.4	J41A	Loganville	33.28	353	P	P	16 17 26.7 -0.6
UALR	University of	25.40	345	eP	P	16 16 17.8 +0.3	comp=Z,5.8nm,1.4s	MNTX	Cornudas Mount	28.80	321	P	P	16 16 47.3 -0.7	K37A	Belmond	33.32	348	P	P	16 17 26.7 -0.9
V48A	Smith Brothers	25.41	355	eP	P	16 16 18.2 +0.7	baz=133	Q43A	New Douglas	28.89	351	P	P	16 16 49.4 +0.7	K36A	Gilmore City	33.37	346	P	P	16 17 27.4 -0.7
V48A	Smith Brothers	25.41	355	P	P	16 16 18.5 +0.9	baz=169	R39A	Chumby, Stover	28.93	346	P	P	16 16 48.9 -0.2	J40A	Soldiers Grove	33.41	352	P	P	16 17 28.0 -0.5
V52A	Sevierville	25.42	2	eP	P	16 16 18.6 +0.9	baz=162	Q42A	Golden Eagle	29.00	350	P	P	16 16 50.1 +0.4	J39A	Decorah	33.50	350	P	P	16 17 28.4 -0.8
V52A	Sevierville	25.42	2	P	P	16 16 18.9 +1.1	baz=168	P48A	Milroy	29.04	358	P	P	16 16 50.5 +0.5	I43A	Wentfield Bro	33.60	355	P	P	16 17 29.6 -0.4
MIAR	Mount Ida	25.53	342	eP	P	16 16 19.2 +0.6	baz=178	P49A	Miami Univ. Ec	29.10	360	P	P	16 16 50.8 +0.2	J38A	Wedel Dairy, R	33.62	349	P	P	16 17 29.9 -0.4
MIAR	Mount Ida	25.53	342	P	P	16 16 18.2 -0.5	comp=Z,19nm,0.6s	Q41A	Truxton	29.16	349	P	P	16 16 51.4 +0.3	I42A	Draefer Farm,	33.68	354	eP	P	16 17 29.3 -1.4
V47A	Nunnelly	25.55	354	P	P	16 16 19.6 +0.7	baz=159,SNR=7.3	P50A	Jamestown	29.18	1	P	P	16 16 52.2 +0.9	I42A	Draefer Farm,	33.68	354	P	P	16 17 30.8 +0.1
V46A	Holladay	25.59	353	P	P	16 16 19.8 +0.6	baz=173	P45A	Graceland, Par	29.24	355	P	P	16 16 52.1 +0.2	W18A	Petrified Fore	33.78	321	eP	P	16 17 32.4 +0.4
X39A	Fountain Ranch	25.66	341	P	P	16 16 19.9 0.0	baz=158	Q40A	Laux Farm, Aux	29.37	348	P	P	16 16 53.1 +0.2	J37A	Redenius Farm,	33.82	348	P	P	16 17 31.3 -0.7
W41B	Gary Mavity, V	25.75	345	eP	P	16 16 21.4 +0.7	baz=174	MCWV	Mont Chateau	29.51	7	P	P	16 16 54.8 +0.6	I40A	Norwalk	33.88	352	P	P	16 17 32.3 -0.2
W41B	Gary Mavity, V	25.75	345	P	P	16 16 21.2 +0.6	comp=Z,7.1nm,0.8s	P43A	Skaggs, Pawnee	29.56	352	P	P	16 16 55.1 +0.5	S22A	4UR Ranch, Cre	33.94	327	P	P	16 17 32.3 -1.1
WHAR	Woolly Hollow	25.87	345	eP	P	16 16 21.7 -0.1	baz=162	Q39A	Willow Grove F	29.61	346	P	P	16 16 55.6 +0.5	I41A	Arkdale	33.95	353	eP	P	16 17 32.1 -1.0
WVT	Waverly	25.89	354	P	P	16 16 21.9 0.0	comp=Z,7.1nm,0.7s	Q38A	Cooks Store, C	29.69	345	P	P	16 16 55.6 -0.1	I41A	Arkdale	33.95	353	P	P	16 17 33.1 0.0
U51A	La Follette	25.95	1	P	P	16 16 24.0 +1.4	baz=172	O50A	Cable	29.72	1	P	P	16 16 57.2 +1.1	I39A	Houston	33.98	351	P	P	16 17 32.2 -1.2
U52A	Thorn Hill	25.98	2	P	P	16 16 24.1 +1.3	baz=181	O48A	Farmland	29.83	359	P	P	16 16 57.6 +0.6	I39A	Houston	33.98	351	P	P	16 17 32.8 -0.6
W40A	Ferguson Farm,	25.99	344	P	P	16 16 22.4 -0.5	baz=182	P40A	Paris	29.88	348	eP	P	16 16 57.1 -0.3	J36A	Seneca 1, Swea	34.01	347	eP	P	16 17 32.6 -0.9
U50A	Jamestown	25.99	359	P	P	16 16 23.8 +1.0	comp=Z,12nm,0.6s	P40A	Paris	29.88	348	P	P	16 16 57.2 -0.3	J36A	Seneca 2, Swea	34.01	347	P	P	16 17 32.3 -1.2
U53A	Fall Branch	25.99	3	P	P	16 16 24.3 +1.4	baz=179	O45A	Potomac	29.96	355	P	P	16 16 58.7 +0.5	H43A	Windswept, Lux	34.15	356	P	P	16 17 34.5 -0.4
TX31	Lajitas Ar. Si	26.11	319	eP	P	16 16 24.8 +0.7	baz=165	P39B	St Aubrey	29.99	347	P	P	16 16 58.2 -0.2	X16A	Lo Mia Camp, P	34.43	318	eP	P	16 17 36.8 -0.8
TXAR	Lajitas Array	26.11	319	P	P	16 16 25.1 +0.9	baz=174	SFIN	Lafayette	30.04	356	eP	P	16 16 58.7 -0.2	I37A	Lemond, Waseca	34.47	349	eP	P	16 17 35.7 -1.8
TXAR	Lajitas Array	26.11	319	P	P	16 16 25.1 +0.9	comp=Z,2.2nm,0.7s,baz=147,slow=9.3,SNR=14	SFIN	Lafayette	30.04	356	P	P	16 16 59.3 +0.4	I37A	Lemond, Waseca	34.47	349	P	P	16 17 36.7 -0.8
U49A	Red Boiling Sp	26.11	358	P	P	16 16 24.5 +0.6	LR	Q43A	Sugar Creek Fa	30.16	353	P	P	16 17 00.8 +0.8	H41A	Junction City	34.48	353	P	P	16 17 36.8 -0.8
TZTN	Tazewell	26.13	2	P	P	16 16 25.2 +1.1	comp=Z,33nm,20.4s,baz=0.0,slow=39	O41A	Pasleys Farm,	30.23	350	P	P	16 17 00.4 -0.1	H40A	Chili	34.57	352	P	P	16 17 37.6 -0.8
U47A	Clarksville	26.14	355	P	P	16 16 24.7 +0.6	baz=177	O56A	Blue Knob Stat	30.28	9	P	P	16 17 00.2 +1.1	H39A	Augusta	34.75	351	P	P	16 17 39.2 -0.8
U48A	Cassie Pea, Po	26.15	356	P	P	16 16 24.4 +0.1	baz=174	P38A	Dawn	30.30	346	P	P	16 17 00.8 -0.3	H38A	Maiden Rock	34.90	350	P	P	16 17 40.5 -0.8
V42A	Cord	26.16	347	P	P	16 16 23.6 -0.7	baz=175	O40A	La Belle	30.41	349	P	P	16 17 02.5 +0.3	G43A	Wallace	34.93	356	P	P	16 17 41.5 0.0
W39A	Magazine	26.20	342	P	P	16 16 24.7 0.0	baz=164	HDIL	Hopedale	30.43	353	P	P	16 17 02.2 -0.1	ECSD	EROS Data Cent	34.94	345	eP	P	16 17 40.5 -1.2
U45A	Rockin P Farm,	26.21	352	P	P	16 16 25.2 +0.4	baz=159	P37A	Lattop	30.46	345	P	P	16 17 02.9 +0.3	ECSD	EROS Data Cent	34.94	345	P	P	16 17 40.4 -1.2
V41A	Mountainview	26.31	346	P	P	16 16 25.6 -0.1	baz=170	N46A	Monticello	30.53	357	P	P	16 17 03.1 0.0	G42A	Mountain	34.97	355	eP	P	16 17 41.5 -0.3
U43A	Rector	26.50	349	P	P	16 16 27.5 +0.1	baz=163	N44A	Pipe City	30.54	354	P	P	16 17 03.7 +0.4	G42A	Mountain	34.97	355	P	P	16 17 41.8 -0.1
T51A	Gray	26.54	1	P	P	16 16 29.4 +1.6	baz=167	PAGS	Pennsylvania G	30.57	12	eP	P	16 17 03.9 +0.3	H36A	Jessenland, He	35.11	348	P	P	16 17 42.3 -0.8
T50A	Nancy	26.59	359	P	P	16 16 29.2 +0.9	baz=181	O39A	Kirkville	30.68	348	P	P	16 17 04.7 +0.2	G40A	Rib Lake	35.18	353	eP	P	16 17 43.1 -0.5
U42A	Reverend	26.65	348	P	P	16 16 28.6 -0.1	baz=179	SSPA	Standing Stone	30.75	10	P	P	16 17 06.2 +1.1	G40A	Rib Lake	35.18	353	P	P	16 17 43.2 -0.5
U49A	Edmonton	26.66	358	P	P	16 16 31.1 +1.9	baz=165,SNR=12	Q38A	Galt	30.75	346	P	P	16 17 05.0 -0.2	LONV	Lake Ozonia	35.22	12	P	P	16 17 45.1 +1.0
PTGA	Pitinga	26.70	113	P	P	16 16 31.3 +1.8	comp=Z,0.8nm,0.4s,baz=290,slow=15,SNR=4.3	N43A	Stutzman Famil	30.79	353	P	P	16 17 06.2 +0.7	G38A	Ridgeland	35.31	351	P	P	16 17 43.2 -1.6
PTGA	Pitinga	26.70	113	P	P	16 16 31.3 +1.8	comp=Z,7.6nm,1.0s,baz=294,slow=10.0,SNR=4.6	N42A	Yates City	30.80	352	P	P	16 17 05.8 +0.2	G39A	Holcomb	35.33	352	P	P	16 17 43.9 -1.0
T48A	Bowling Green	26.74	357	P	P	16 16 31.2 +1.6	baz=176	N41A	Wilson Midland	30.80	350	P	P	16 17 07.5 +0.1	PV12	Saucer Basin	35.42	326	eP	P	16 17 46.6 +0.5
V39A	Pettigrew	26.75	343	P	P	16 16 29.8 0.0	baz=160	O37A	Wolven Farm, M	30.96	345	P	P	16 17 06.7 -0.2	PV18	Skein Mesa, Pa	35.43	326	eP	P	16 17 45.7 -0.5
U41A	Viola	26.79	346	P	P	16 16 30.0 -0.1	baz=161	LPZAZ	La Paz	30.96	148	PcP	PcP	16 20 04.1 +1.8	F43A	Flat Rock, Esc	35.47	357	P	P	16 17 46.4 +0.2
T46A	Princeton	26.79	354	P	P	16 16 30.9 +0.9	comp=Z,1.6nm,1.0s,baz=4.5,slow=11.1,SNR=3.8	LPZAZ	La Paz	30.96	148	LR	LR	16 29 43.4	LBNH	Lisbon	35.49	16	P	P	16 17 46.9 +0.5
U40A	Yellville	27.03	345	P	P	16 16 32.9 +0.7	comp=Z,60nm,20.7s,baz=310,slow=36	M44A	Milwiden, Midew	31.11	355	P	P	16 17 08.6 +0.3	SPMN	Marine on St.	35.52	350	P	P	16 17 44.7 -1.9
T44A	Benton	27.06	351	P	P	16 16 32.6 +0.2	baz=173	319A	Douglas	31.14	314	eP	P	16 17 10.8 +1.9	SPMN	Marine on St.	35.52	350	P	P	16 17 45.4 -1.2
T43A	Greenville	27.17	350	P	P	16 16 33.6 +0.1	comp=Z,11nm,0.8s	SRIG	Santa Rosalia	31.18	307	eP	P	16 17 09.5 +0.4	F41A	Three Lakes	35.53	354	eP	P	16 17 45.5 -1.1
S51A	Beattyville	27.22	1	eP	P	16 16 33.2 -0.7	comp=Z,4nm,0.8s	M43A	Waltham Townsh	31.26	353	P	P	16 17 09.5 -0.1	F41A	Three Lakes	35.53	354	P	P	16 17 46.2 -0.5
S51A	Beattyville	27.22	1	P	P	16 16 35.0 +1.2	baz=171	N39A	Derby Farms, D	31.27	348	eP	P	16 17 09.3 -0.4	F44A	Big Bay de Noc	35.58	358	P	P	16 17 47.1 +0.1
U39A	Green Forest	27.22	344	P	P	16 16 33.8 -0.1	comp=Z,33nm,0.8s	N39A	Derby Farms, D	31.27	348	P	P	16 17 09.5 -0.1	F40A	Park Falls	35.81	353	P	P	16 17 48.2 -0.9
S50A	Richmond	27.25	0	P	P	16 16 35.7 +1.6	baz=165,SNR=10	N38A	Joes South For	31.34	347	P	P	16 17 10.1 -0.2	COWI	Conover	35.89	354	eP	P	16 17 48.6 -1.1
S48A	Wiedeman Farm,	27.27	357	P	P	16 16 34.0 -0.3	baz=176	M54A	Oil Creek Stat	31.35	7	P	P	16 17 11.5 +1.0	F39A	Loretta	35.91	352	P	P	16 17 48.7 -1.2
T42A	Van Buren	27.27	348	eP	P	16 16 33.7 -0.6	comp=Z,19nm,0.7s	M41A	Milan	31.40	351	P	P	16 17 11.3 +0.4	E43A	Lone Tree Farm	36.00	357	P	P	16 17 50.5 -0.2
T42A	Van Buren	27.27	348	P	P	16 16 34.4 +0.1	baz=166,SNR=8.4	N59A	State Game Lan	31.43	13	P	P	16 17 12.6 +1.5	F38A	Pierce - Schro	36.09	351	P	P	16 17 50.1 -1.3
S49A	Springfield	27.36	359	P	P	16 16 36.1 +0.9	baz=178	N37A	Lee Faris, Mou	31.53	346	eP	P	16 17 11.6 -0.4	E42A	Champion	36.11	356	P	P	16 17 51.8 +0.1
S46A	Don Dixon Farm	27.41	354	P	P	16 16 36.6 +1.0	comp=Z,30nm,0.6s	N37A	Lee Faris, Mou	31.53	346	P	P	16 17 11.8 -0.3	SUSD	Miller	36.25	342	P	P	16 17 51.7 -1.2
T41A	Mountain View	27.43	347	P	P	16 16 35.7 0.0	baz=161	L47A	Sherwood	31.55	359	P	P	16 17 12.2 0.0							

7d 16h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like NV11, NV01, NVAR, etc.

2012 AUG

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like JMA 07, JMA 08, JMA 09, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, Azimuth Bias, Elevation Bias, Azimuth Standard Deviation, Elevation Standard Deviation, Azimuth Bias Standard Deviation, Elevation Bias Standard Deviation. Includes stations like H1N1, H1N3, H1S1, etc.

NIED 07 16:11:00.39;10N;142.40E;h35km,Mw4.6 Best double couple: M=1.050000;1016 NP1=314.000000;822.000000; lambda=127.000000; NP2=173.000000;delta2.000000; lambda=76.000000.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KLW Klutina, DIV Divide, KKN Kakani, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like IMW Indian Meadow, FXWY Fox Creek, MOOW Moose Ponds, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SDV Santo Domingo, QSPA South Pole Qui, PTGA Top of the Gap, etc.

ISCJB 07 16:36:43.8:0.8, 1:08N:0:08:98:06E:0:07, h35km, mb3.4/4, Error ellipse: s-maj=13.5km s-min=7.7km

IDC 07 16:36:43.2:5.4, 1:91N:99:15E, h0km, mb3.4/4, mb1 3/6.4, mb1mx3.3/6.3, mbtmp3.4/4, Error ellipse: s-maj=280.5km s-min=23.1km az=56.0

DJA 07 16:36:45.3:0.3, 1:N:3:9:8E, h10km, M3-A20.5, MLV3.4/10

ISC 07 16:36:45.7:1.0, 1:19N:0:06:97:98E:0:06, h35km, n10, c2:13/13, mb3.4/4, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GSI Gunungsitoli, GSI GSI, PBSI Pulau Batu, etc.

ISB 07 16:49:19.6:38.42N:34:13E, h5km, ML2.0/5

ISCJB 07 16:49:20.9:0.9, 38:43N:0:05:34:12E:0:05, h10km, Error ellipse: s-maj=6.7km s-min=5.3km az=164.6

DDA 07 16:49:20.1, 38:39N:34:09E, h7km, ML2.7

ISC 07 16:49:21.0:1.0, 38:43N:0:04:34:12E:0:04, h10km, n14, c0:63/13, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AKSY AKSARAY - Altı, AKSY AKSY, SULT Sultanhanı-AKS, etc.

IDC 07 17:06:06.8:3.8, 37:46S:179:86E, h0km, mb3.8/3, mb1 4/1.3, mb1mx3.7/4.0, mbtmp3.8/3, Error ellipse: s-maj=181.7km s-min=52.4km az=169.0

WEL 07 17:06:09.0:0.9, 38:58:5:18 OW, h33km, ML4.2/18

NEIC 07 17:06:11.3:2.6, 37:38S:179:99W, h38km, 15km, mb4.9/3, Error ellipse: s-maj=29.1km s-min=9.8km az=74.0

ISC 07 17:06:06.3:2.3, 37:38S:179:99W, h10km, n11, n86, c1:71/108, mb4.3/7, East of North

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WMGZ Waikomati S, WMGZ WMGZ, PUK Puketiti, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like H1S1 WAKE ISLAND Hy 31.23 160 T, H1S2 WAKE ISLAND Hy 31.23 160 T, MKAR Makanchi Array 47.74 297 P, etc.

SJA 07 20:36:41.5i.0.9,22.61s:63.89W,h69km,28km,ML4.2,MW4.2

ISC/JB 07 20:36:42.5i.0.3,22.59s:0.04:63.79W,0.04,h33km,mb4.5/41,MS3.6/8,Error ellipse: s-maj=6.2km

IDC 07 20:36:44.3i.4.8,22.52s:63.96W,h29km,34km,mb4.0/7,mb1.4/12,mb1mx3.9/43,mbtmp4.1/12,ML4.0/5,MS3.4/12,Ms1.3/412,ms1mx3.1/40,Error ellipse: s-maj=22.6km

NEIC 07 20:36:44.5i.1.7,22.54s:63.90W,h30km,11km,mb4.6/33,MD4.2(SJA),Error ellipse: s-maj=8.2km s-min=7.3km az=217.0

NEIC Felt [III] in the epicentral area. Also felt at Tartagal. ISC 07 20:36:44.3i.0.5,22.57s:0.05:63.87W,0.06,h35km,n76,e1247/11,mb4.5/41,MS3.5/8,1C-1D,Salta Province

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations including Humahuaca, Yavi, Horco Molle, IPOC Station P, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like MCMT McKenzie Canyon 80.57 327 eP, PAHR Pak Ranch Range 80.73 320 eP, MFID Camas Ranch 81.15 324 eP, etc.

ISC 07 20:38:46.9i.0.3,37.13N:42.45E,h0km,ML2.4/8

DDA 07 20:38:47.5i.37.28N:42.44E,h7km,ML2.6

ISC 07 20:38:46.9i.1.5,37.26N:0.07:42.45E,0.03,h6km,11km,n16,e052/21,Turkey

Table with columns: Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SIRR S-rnak 0.24 353 iP, SIRT Sirtak 0.24 358 PG, SRTM Siirt_Merkez 0.84 330 P, etc.

NEIC 07 20:44:12.9i.0.0,67.35N:167.27W,h25km,ML3.5(AEIC),After AEIC.

IDC 07 20:44:13.1i.3.7,67.73N:167.24W,h0km,mb3.4/3,mb1.4/0.5,mb1mx3.3/82,mbtmp3.6/5,ML3.7/2,Error ellipse: s-maj=70.9km s-min=51.8km az=168.0

ISC 07 20:44:17.3i.1.5,67.27N:0.07:166.2W,0.1,h10km,n35,e201/45,mb3.4/4,Bering Strait

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations including Red Dog Mine, Nome, Galena City Sc, Indian Mountain, etc.

IDC 07 20:47:49.8i.1.9,7.18S:155.49E,h0km,mb3.6/5,mb1.3/8.5,mb1mx3.5/52,mbtmp3.6/5,MS2.8/1,Ms1.2/8/1,ms1mx2.3/32,Error ellipse: s-maj=70.4km

s-min=28.4km az=127.0,Bougainville-Solomon Islands region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations including Honiara, Warramunga Arr, Alice Springs, etc.

IDC 07 20:47:56.5i.4.6,43.76N:147.52E,h50km,29km,mb3.7/10,mb1.3/8.12,mb1mx3.4/76,mbtmp3.9/12,ML3.2/2,MS2.8/6,Ms1.2/8.6,ms1mx2.5/71,Error ellipse: s-maj=71.4km

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations including Shikotan, Nemuro 2, Yuzh-Kuril'sk, Tuman, Lagunnoye, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, JSE Seyaev, JWJW Keihoku, etc.

ISCJB 07 21:15:16.30.0.4, 3.56N, 0.04x128.12E:0.05, h84km, mb3.7/12, Error ellipse: s-maj=7.7km s-min=3.8km az=149.8

ISC 07 21:15:17.5.3.6, 3.52N, 128.04E, h73km, 38km, mb3.5/10, mb1.3/10, mb1mx3.4/58, mbtmp3.8/10, ML4.8/1, MS3.1/3, Ms1.3/1.3, ms1mx2.6/35, Error ellipse: s-maj=34.7km s-min=13.4km az=17.0

DJA 07 21:15:12.0.1.0, 3.71N, 128.04E, h129km, 38km, M4.4/7, mb4.8/7, mbA.8/6, MLV4.4/7, Mw(MB)4.1/6

ISC 07 21:15:18.1.0.6, 3.49N, 0.05x128.08E:0.07, h84km, n35, 0.193/40, mb3.8/12, 1D, North of Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TINTI Ternate, DDMP Don Marcelino, MATI Mati, etc.

ISC 07 21:21:39.4.1.3, 5.33N, 115.4x14.80E, h0km, mb3.9/3, mb1.4/1.3, mb1mx3.6/46, mbtmp3.9/3, MS3.5/10, Ms1.3/4/10, ms1mx3.2/41, Error ellipse: s-maj=55.4km s-min=39.5km az=44.0, Southwest of Africa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SUR Sutherland, BOSA Boshof, LBTB Lobatse, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TORD Torodi Ar. Bea, KOWA Kowas, LEMBO Lembang, etc.

ISC 07 21:23:22.3.1.6, 3.59N, 141.142E, h0km, mb3.7/6, mb1.3/8.9, mb1mx3.5/72, mbtmp3.7/9, ML3.5/3, MS2.7/5, Ms1.2/7.5, ms1mx2.4/67, Error ellipse: s-maj=43.7km s-min=18.9km az=73.0

ISCJB 07 21:23:27.0.0.8, 3.53N, 140.04:141.19E:0.09, h31km, mb3.6/7, MS2.5/2, Error ellipse: s-maj=10.7km s-min=6.1km az=168.2

JMA 07 21:23:30.6.0.1, 3.58N, 140.183E, h41km, km, M3.3, Broadband fault plane solution: P waves: NP1: 0.37, 0.0000, 0.876, 0.0000, 0.92, 0.0000, NP2: 0.209, 0.0000, 0.814, 0.0000, 0.83, 0.0000, Principal axes: T P1: 5.9, 0.0000, Azm: 309.0000, N P1: 2.0, 0.0000, Azm: 216.0000, P P1: 3.1, 0.0000, Azm: 125.0000

ISC 07 21:23:29.1.0.9, 3.53N, 140.04:140.95E:0.09, h31km, n28, 0.1945/23, mb3.7/7, 1C-2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Code Station Name, ASAJ Asahikawa, JUNU Nakatsue, etc.

ISC 07 21:23:29.1.0.9, 3.53N, 140.04:140.95E:0.09, h31km, n28, 0.1945/23, mb3.7/7, 1C-2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, JUNU Nakatsue, KRSR Korea Array, etc.

ISC 07 21:23:29.1.0.9, 3.53N, 140.04:140.95E:0.09, h31km, n28, 0.1945/23, mb3.7/7, 1C-2D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, JUNU Nakatsue, KRSR Korea Array, etc.

ISC 07 21:43:51.6.0.4, 18.03S, 0.04x69.88W:0.06, h109km, 4km, mb4.2/22, Error ellipse: s-maj=9.6km s-min=6.7km az=178.5

NEIC 07 21:43:51.5.0.5, 17.99S, 69.70W, h90km, 5km, mb4.4/15, ML4.3(GUC), ML4.4(ARE), Error ellipse: s-maj=9.2km s-min=5.6km az=82.0

NEIC Felt (III) at Alcerreca and Arica. Felt (II) at Tacna, Peru. GUC 07 21:43:52.7.0.5, 18.01S, 69.92W, h89km, 3km, ML4.3, mb1.4/0.13, mb1mx3.8/43, mbtmp4.3/13, Error ellipse: s-maj=20.1km s-min=11.0km az=119.0

ISC 07 21:43:52.5.0.5, 17.99S, 0.04x69.81W:0.07, h98km, 5km, h98km, nP-P, n57, 0.144/73, mb4.2/21, 3C, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PB16 IPOC Station P, PB16 IPOC Station P, PB12 IPOC Station P, etc.

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

ISC 07 21:49:55.3.2.5, 6.44S, 129.99E, h88km, 23km, mb3.9/13, mb1.4/1.7, mb1mx3.8/55, mbtmp4.4/17, MS2.2/1, Ms1.2/2.1, ms1mx2.0/47, Error ellipse: s-maj=29.6km s-min=11.5km az=71.0

ISCJB 07 21:49:58.0.0.3, 6.34S, 0.03x130.50E:0.05, h150km, mb4.0/14, Error ellipse: s-maj=7.7km s-min=3.9km az=164.6

DJA 07 21:49:57.3.0.3, 6.32S, 131.0E, h150km, 7km, M5.0/13, mb5.5/6, mb5.0/6, MLV5.0/13, Mw(MB)4.9/6

NEIC 07 21:49:58.4.0.6, 6.34S, 130.29E, h18km, 6km, mb4.4/3, Error ellipse: s-maj=9.3km s-min=5.6km az=69.0

ISC 07 21:49:59.0.0.5, 6.36S, 0.04x130.47E:0.05, h150km, n50, 0.353/63, mb4.1/14, Banda Sea

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

ISC 07 21:49:59.0.0.5, 6.36S, 0.04x130.47E:0.05, h150km, n50, 0.353/63, mb4.1/14, Banda Sea

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

ISC 07 21:49:59.0.0.5, 6.36S, 0.04x130.47E:0.05, h150km, n50, 0.353/63, mb4.1/14, Banda Sea

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

ISC 07 21:49:59.0.0.5, 6.36S, 0.04x130.47E:0.05, h150km, n50, 0.353/63, mb4.1/14, Banda Sea

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

ISC 07 21:49:59.0.0.5, 6.36S, 0.04x130.47E:0.05, h150km, n50, 0.353/63, mb4.1/14, Banda Sea

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

DOPR	Dopca	7.52 346	fP	Pn	23 19 30.5 +1.5
GRUS	Gruza	7.57 316	ePn	Pn	23 19 30.7 +1.0
OZUR		7.58 348	fP	Pn	23 19 31.2 +1.4
DRME	Dracevica, Mon	7.60 300	fP	Pn	23 19 32.1 +2.0
DRME		7.62 309	eSn	Pn	23 19 32.5 -0.4
SES	Sjenica	7.62 309	ePn	Pn	23 19 31.7 +1.3
PDG	Podgorica	7.66 302	fP	Pn	23 19 30.7 -0.2
TTG	Podgorica	7.66 302	fP	Pn	23 19 32.4 +1.5
TTG		7.66 302	ePn	Pn	23 20 57.0 -0.7
TTG	Podgorica	7.66 302	ePn	Pn	23 19 34.3 +3.5
KOME	Kolasin	7.69 305	fP	Pn	23 19 33.0 +1.7
KOME		7.69 305	eSn	Pn	23 19 37.8 +0.7
IVAS	Ivanjica	7.69 312	ePn	Pn	23 19 31.5 +0.1
MDVR	Moldovita	7.70 324	fP	Pn	23 19 31.5 0.0
BUM	Brajići-Budva	7.84 300	fP	Pn	23 19 34.9 +1.4
BUM		7.84 300	eSn	Pn	23 21 01.7 -0.7
TESR	Tescani	7.87 353	fP	Pn	23 19 35.1 +1.3
CEME	Cevo	7.93 302	fP	Pn	23 19 36.4 +1.7
CEME		7.93 302	eSn	Pn	23 21 03.6 -1.0
TRUS	Trudelj	7.96 316	ePn	Pn	23 19 35.5 +0.5
NKY	Niksic	8.00 304	fP	Pn	23 19 37.3 +1.6
NKY		8.01 303	fP	Pn	23 21 05.4 -1.0
NKME	Niksic	8.01 303	eSn	Pn	23 19 37.1 +1.4
NKME		8.01 303	eSn	Pn	23 21 05.3 -1.1
DIVS	Divibare	8.11 314	ePn	Pn	23 19 37.5 +0.4
DIVS	Divibare	8.11 314	ePn	Pn	23 19 39.8 +2.7
HCY	Herceg Novi	8.18 300	fP	Pn	23 19 39.6 +1.6
HCY		8.18 300	eSn	Pn	23 19 09.2 -1.3
MMAB	Mount Meron Ar	8.23 131	Pn	Pn	23 19 37.1 -1.8
MMAI	Mount Meron Ar	8.23 131	Pn	Pn	23 19 37.1 -1.8
MMAI		comp=E, 3.7nm, 0.3s, baz=312, slow=12, SNR=27			
UPM	Unac-Piva	8.25 306	fP	Pn	23 21 08.2 -3.9
UPM		8.25 306	eSn	Pn	23 19 40.9 +1.7
NATI	Nevte Ativ	8.26 129	Pn	Pn	23 21 11.3 -1.2
NATI		8.26 129	ePn	Pn	23 19 37.6 -1.6
BLLS	Lazi#263;i	8.30 311	ePn	Pn	23 19 41.0 +1.2
KIS	Kishinev	8.31 4	eP	Pn	23 19 42.0 +2.2
KIS	Bratogost	8.34 303	fP	Pn	23 19 41.9 +1.4
BRY		8.31 12.9	eSn	Pn	23 21 12.9 -1.8
BIZ	Bicaz	8.36 351	fP	Pn	23 19 41.5 +1.1
BZS	Buzias	8.40 327	fP	Pn	23 19 41.0 0.0
SLTI	Sa'it	8.61 136	Pn	Pn	23 19 42.0 -1.9
MLLI	Mount Malkishu	8.67 34	eP	Pn	23 19 42.1 -2.0
TIP	Timpagrade	8.81 277	ePn	Pn	23 19 46.7 -0.7
TIP	Timpagrade	8.81 277	ePn	Pn	23 19 48.0 +1.2
HMDT	Nahal Hemdat	8.86 134	Pn	Pn	23 19 45.4 -2.0
DRGR		8.98 336	fP	Pn	23 19 50.7 +1.6
BURAR	Bucovina Array	9.15 348	fP	Pn	23 19 52.9 +1.5
BUR04	Bucovina Ar. S	9.15 348	ePn	Pn	23 19 51.9 +0.5
BUR08	Bucovina Ar. S	9.18 348	ePn	Pn	23 19 53.2 +1.4
DSI	Dead Sea	9.31 138	Pn	Pn	23 19 51.1 -2.4
KZIT	Kziot	9.36 144	Pn	Pn	23 19 51.9 -2.4
SORM	Soroca	9.43 11	fP	Pn	23 19 55.2 0.0
MZDA	Masada	9.50 139	Pn	Pn	23 19 54.4 -1.8
ASF	Jabal al Asfar	9.72 129	Pn	Pn	23 19 58.6 -0.7
PRNI	Paran	10.11 143	Pn	Pn	23 20 02.5 -2.1
MBRI	Mt Berrech	10.54 145	Pn	Pn	23 20 08.1 -2.4
EIL	Eilat	10.66 146	Pn	Pn	23 20 11.9 -0.2
EIL		comp=E, 0.5nm, 0.3s, baz=94, slow=15, SNR=7.8			
EIL		10.66 146	Pn	Pn	23 22 07.5 -4.1
EIL		10.66 146	Pn	Pn	23 20 09.5 -2.6
CRVS	Cervenica-Dubn	11.25 337	ePn	Pn	23 20 23.6 +3.5
WHS	Wytne	11.84 329	ePn	Pn	23 20 32.9 +1.2
AKASG	Malin Array Be	12.03 4	Pn	Pn	23 20 33.7 +3.0
AKASG		comp=E, 0.7nm, 0.3s, baz=184, slow=14, SNR=3.4			
AKASG		12.03 4	Pn	Pn	23 22 48.3 +3.5
KVAR	Kislovodsk Arr	12.19 60	LR	LR	23 26 41.7
KVAR		comp=E, 61nm, 18.6s, baz=304, slow=44			
KBZ	Khabaz	12.26 61	LR	LR	23 26 24.4
KBZ		comp=E, 84nm, 18.9s, baz=254, slow=42			
GNI	Garni	12.29 78	LR	LR	23 26 28.0
VRAC	Vranov	13.41 326	LR	LR	23 26 07.5
VRAC		comp=E, 33nm, 18.1s, baz=156, slow=38			
GERA0	GERESS Array S	14.47 319	Pn	Pn	23 21 05.1 +1.0
GERA0		comp=E, 0.1nm, 0.3s, baz=150, slow=17, SNR=4.2			
GERES	GERESS Array B	14.47 319	Pn	Pn	23 21 07.0 +2.8
GERES		comp=E, 0.1nm, 0.3s, baz=150, slow=17, SNR=4.2			
KHC	Kaspeleke Hory	14.72 302	ePn	Pn	23 21 16.5 +2.8
FUON	Ofenpass-Fuom	15.27 307	ePn	Pn	23 21 13.9 -1.1
FUON		comp=E, 34nm, 1.9s			
DAVOX	Davos/Dischmat	15.57 307	LR	LR	23 28 18.1
DAVOX		comp=E, 62nm, 19.8s, baz=125, slow=41			
CLL	Collim	16.45 320	ePn	Pn	23 21 31.0 +0.9
BFI	Bardonecchia	17.11 299	ePn	Pn	23 21 38.2 -0.4
BNO	Black Forest	17.19 310	ePn	Pn	23 21 38.3 -1.3
BNO		comp=E, 1.1nm, 1.2s			
RAYN	Ar Rayn	21.21 130	eP	P	23 22 23.7 -1.5
RAYN		comp=E, 1.2nm, 0.9s			
FINES	FINESS Array B	22.80 358	P	P	23 22 43.5 +1.6
FINES		comp=E, 3.1nm, 0.9s, baz=282, slow=14, SNR=2.5			
GEYT	Alibek	23.56 82	P	P	23 22 50.6 +0.6
GEYT		comp=E, 0.6nm, 0.7s, baz=274, slow=19, SNR=5.2			
GYA0B	ALIBECK ARRAY	23.56 82	P	P	23 22 50.9 +1.0
ESDC	Sonsek Array S	24.76 282	P	P	23 23 02.2 +1.0
ESDC		comp=E, 1.5nm, 0.9s, baz=80, slow=11, SNR=4.9			
EKA	Eskdalemuir Ar	26.69 319	P	P	23 23 19.8 +1.4
EKA		comp=E, 1.0nm, 0.7s, baz=112, slow=11, SNR=5.4			
ARU	Arti	26.84 39	LR	LR	23 35 04.8
ARU		comp=E, 32nm, 18.5s, baz=132, slow=39			
ARU	Arti	26.84 39	eP	P	23 23 17.7 -2.0
ARU		comp=E, 1.3nm, 0.5s			
TORD	Tord Ar. Bea	34.54 230	P	P	23 24 26.9 -1.2
TORD		comp=E, 0.5nm, 0.7s, baz=190, slow=8, SNR=6.9			
KSH	Kashi	36.85 73	eP	P	23 24 48.5 +0.6
KSH		36.85 73	eP	P	23 20 29.1 -3.3
KURBB	Kurchatov Arra	37.14 54	P	P	23 24 49.7 -0.3
KURBB		comp=E, 0.6nm, 0.8s, baz=278, slow=8.9, SNR=4.3			
KURK	Kurchatov Arr	37.20 54	P	P	23 24 49.7 -0.3
KURK		comp=E, 0.6nm, 0.8s, baz=278, slow=7.0, SNR=7.8			
MK01	Makanchi Array	39.95 60	P	P	23 25 13.9 +0.2
MK01		comp=E, 0.8nm, 0.7s, baz=278, slow=7.0, SNR=7.8			
ZALV	Zalesovo Beam	40.91 49	P	P	23 25 14.2 +0.4
ZALV		comp=E, 0.3nm, 0.3s, baz=285, slow=7.3, SNR=2.4			
ZALV		40.91 49	P	P	23 25 44.5 1.0
WMQ	Urumqi	44.25 53	eP	P	23 25 51.9 +2.7
SHFC	Kangerlussuaq	50.73 330	LR	LR	23 51 02.2
SHFC		comp=E, 25nm, 19.3s, baz=312, slow=39			
HFDJ	Hu-ho-hao-te	61.79 59	eP	P	23 28 00.4 +2.0
HFDJ		comp=Z, 12nm, 1.1s			
HHC		61.79 59	eP	P	23 28 00.4 +2.0
HHC		comp=Z, 62nm, 7.2s			
KMI	Kunning	63.25 78	P	P	23 28 09.9 +1.4
KMI		comp=Z, 6.0nm, 0.6s			

MNAS					23 30 24.4 +1.1
EKSZ	Erkin-Say	4.03 8	P	Pn	23 29 43.2 +1.3
EKSZ		20nm, 0.4s			
MRKS	Mlerke	4.07 3	eP	Pn	23 29 43.9 +1.4
MRKS		SNR=23			
MRKS		19nm, 0.4s			
MRKS		69nm, 0.4s			
AAK	Ala-Archa	4.12 16	P	Pn	23 29 44.5 +1.3
AAK		3.3nm, 0.3s, baz=159, slow=7.2, SNR=14			
AAK	Ala-Archa	4.12 16	P	Pn	23 29 44.0 +0.8
AAK		2.3nm, 0.3s, baz=116, slow=21, SNR=12			
AAK	Ala-Archa	4.12 16	P	Pn	23 29 44.0 +0.8
AAK		6.5nm, 0.5s			
AAK		7.3nm, 0.3s			
AAK	Ala-Archa	4.12 16	P	Pn	23 29 44.5 +1.3
AAK		3.3nm, 0.3s, baz=159, slow=7.2, SNR=14			
ABK	Karayagbulak	4.25 20	P	Pn	23 29 45.9 +0.9
ABK		SNR=8.1			
ULHL	Ulahol	4.35 34	P	Pn	23 29 45.8 -0.5
CHMS	Chumysh	4.53 17	P	Pn	23 29 49.5 +1.0
CHMS		SNR=6			
TKM2	Tokmak 2	4.69 24	fP	Pn	23 29 50.8 -0.1
TKM2		1.5nm, 0.3s			
TKM2		6.8nm, 0.9s			
TKM2	Tokmak 2	4.69 24	P	Pn	23 29 51.1 +0.2
TKM2		SNR=2			
USP	Ospenovka	4.73 14	P	Pn	23 29 52.3 +1.0
USP		SNR=25.5			
KK31	Karatay Array	4.80 338	fP	Pn	23 29 54.2 +1.9
KK31		3.1nm, 0.3s, baz=139, slow=11, SNR=8.6			
KK31		13nm, 0.4s, baz=150, slow=20, SNR=15			
BRLS	Borolday	4.96 332	eP	Pn	23 29 53.9 -0.6
BRLS		5.3nm, 0.3s			
BRLS		3.7nm, 0.3s			
DGS	Dogrusay	5.03 24	eP	Pn	23 29 55.9 +0.5
DGS		6.7nm, 0.7s			
DGS		4.5nm, 0.6s			
IZV	Izvestkoviy	5.16 31	eP	Pn	23 29 57.6 +0.4
IZV		0.9nm, 0.3s, baz=224, slow=10, SNR=10			
IKAR	Makanchi Array	10.61 37	P	Pn	23 31 09.2 -1.9
IKAR		0.1nm, 0.3s, baz=238, slow=11, SNR=3.5			
KURBB	Kurchatov Arra	12.58 16	P	Pn	23 31 34.7 -2.6
KURBB		0.0nm, 0.3s, baz=208, slow=7.7, SNR=5.5			
AB31	Akbulak array	14.12 323	fP	Pn	23 31 56.4 -1.0
AB31		0.8nm, 0.4s, baz=129, slow=13, SNR=2.5			
AB31		0.8nm, 0.5s, baz=130, slow=26, SNR=6.4			
BVAR	Borovoye Array	14.47 354	P	Pn	23 32 17.0 -0.1
BVAR		0.2nm, 0.3s, baz=162, slow=12, SNR=6.9			
AKTO	Aktubinsk	15.84 323	P	P	23 32 21.0 +0.1
AKTO		0.3nm, 0.3s, baz=127, slow=11, SNR=5.8			
AKTO	Aktubinsk	15.84 323	fP	Pn	23 32 20.0 -0.9
AKTO		0.8nm, 1.0s			
AKTO		1.8nm, 1.0s			
ZALV	Zalesovo Beam	17.29 24	P	P	23 32 35.4 -1.4
ZALV		0.3s, baz=116, slow=10, SNR=10			
FINES	FINESS Array B	36.61 324	P	P	23 35 40.1 +2.1
FINES		5.1nm, 1.1s, baz=116, slow=11, SNR=7.0			
ARCES	ARCESS Array B	39.77 336	P	P	23 36 06.5 +2.0
ARCES		1.1nm, 0.8s, baz=96, slow=7.7, SNR=5.5			
HFS	Hafnora	42.37 320	P	P	23 36 27.7 +1.9
HFS		0.9nm, 0.5s, baz=110, slow=12, SNR=4.1			
MA2	Magadan	51.69 39	LR	LR	23 59 41.3
MA2		comp=Z, 26nm, 18.4s, baz=222, slow=36			
TORD	Tord Ar. Bea	67.34 269	P	P	23 39 26.0 -0.5
TORD		0.3nm, 0.9s, baz=52, slow=6.4, SNR=3.2			
YKA	Yellowknife Ar	78.99 4	P	P	23 40 33.0 -1.2
YKA		0.7nm, 0.8s, baz=307, slow=8.1, SNR=3.6			

NIED 07 23:37:00.37:60N, 143:80E, h0km, Mw3.9 Best double couple: M8.950000, 1014 NP1=17.000000, 837.000000, lambda=116.000000, NP2=229.000000, delta=7.000000, lambda=72.000000

ICD 07 23:37:31.9:0.6, 37:55N; 144:08E, h0km, mb4.0/19, mb1.4/1/24, mb1mx3.9/78, mbmp4.0/24, ML4.0/4, MS3.2/5, Ms1.3/2/5, ms1mx2.6/76, Error ellipse: s-maj=17.4km s-min=13.4km az=102.0

ISC/JB 07 23:37.3:8.1, 5.37:59N; 0:103:143:87E; 0:05, n23km; 11km, mb4.0/22, MS3.3/3, Error ellipse: s-maj=6.6km s-min=5.1km az=38.0

JMA 07 23:37:36.2:0.2, 37:65N; 143:80E, h50km, M4.5

NEIC 07 23:37:37.3:0.5, 37:64N; 143:98E, h35km, mb4.4/2, Error ellipse: s-maj=9.5km s-min=8.1km az=115.0

ISC 07 23:37:36.6:2.7, 37:65N; 0:04:143:89E; 0:05, h31km; 19km, n56, cf149/60, mb4.0/22, MS3.3/3, Off east coast of Honshu

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
JIO	Ouri	2.								

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, KAKADU, GUAM, GUMO, WTKA, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEIC 07 23:49:33.5, DZM, WRA, etc.

ISC/JB 07 23:49:32.0: 7.15: 43S: 0.06: 167.5E: 0.1, h124km, mb4.1/1.3, Error ellipse: s-maj=18.4km s-min=8.9km

ISC/JB 07 23:49:32.0: 7.15: 43S: 0.06: 167.5E: 0.1, h124km, mb4.1/1.3, Error ellipse: s-maj=18.4km s-min=8.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTVL, AUVIS, KSL, AMUMH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BRY, BIZ, BZS, TIP, etc.

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

Table with columns: BMO, Blue Mountains, 50.59, 52.03, eP, P, 03 28 27.8 +1.9, GLKZ, RAO, Raoul Island, 0.94, 355, S, Pn, 04 12 32.6 -0.1, PPT2, Papeete2, 28.63, 70, eLR, LR, 04 25 11.4

Table with columns: BR101, Keskin Array S, 50.83, 276, eP, P, 03 28 28.4 +0.6, BR131, Keskin Array S, 50.83, 276, eP, P, 03 28 28.4 +0.6, BRTR, Keskin Array S, 50.83, 276, eP, P, 03 28 28.4 +0.6

Table with columns: PPT2, Papeete2, 28.63, 70, eLR, LR, 04 25 11.4, PPT2, Papeete2, 28.63, 70, eT, T, 04 47 55.2, PPT, Papeete, 28.64, 70, LR, LR, 04 29 52.5

NEIC 08 03:50:43.0.0.0, 14:71N-92:54W, h77km, MD4.1 (MEX), After MEX.

MEX 08 03:50:43.0.0.5, 14:71N-92:54W, h77km, 7km, MD4.1, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, THIG, 0.34, 53, Op, Pn, 03 50 53.9 +1.3, THIG, 0.34, 53, eS, Pn, 03 51 02.4 -1.7

PGC 08 03:52:05.6.0.8, 53:19N-132:94W, h20km, ML3.7/10, ML3.7/10, 75km west of Sandspit, Bc Haida Gwaii

Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, VIB, Van Inlet, 0.25, 75, Op, Pn, 03 52 15.2 +0.4, DIB, Dawson Inlet, 0.28, 87, P, Sb, 03 52 11.7 -0.3

WEL 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

mb4, 6/65, Error ellipse: s-maj=8.6km s-min=2.3km az=25.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, WEL, 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

NEIC 08 04:11:57.6.0.8, 03:08S-178:29W, h107km, 7km, mb4.7/60, Error ellipse: s-maj=8.9km s-min=5.8km az=130.0

IDC 08 04:12:00.0.0.6, 29:58S-178:18W, h123km, 4km, mb4.1/15, mb1.4/3.15, mb1mx4.1/43, mbtmp4.4/15, MS2.9/3

Ms1 2.9/3, ms1mx2.6/42, Error ellipse: s-maj=17.7km s-min=13.4km az=157.0

ISC 08 04:11:56.3.0.6, 30:19S-106:177.8W, 0.1, h113km, n212, e259/144, mb4.7/64, 1.3, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, WEL, 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

PGC 08 03:52:05.6.0.8, 53:19N-132:94W, h20km, ML3.7/10, ML3.7/10, 75km west of Sandspit, Bc Haida Gwaii

Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, VIB, Van Inlet, 0.25, 75, Op, Pn, 03 52 15.2 +0.4, DIB, Dawson Inlet, 0.28, 87, P, Sb, 03 52 11.7 -0.3

WEL 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

mb4, 6/65, Error ellipse: s-maj=8.6km s-min=2.3km az=25.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, WEL, 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

NEIC 08 04:11:57.6.0.8, 03:08S-178:29W, h107km, 7km, mb4.7/60, Error ellipse: s-maj=8.9km s-min=5.8km az=130.0

IDC 08 04:12:00.0.0.6, 29:58S-178:18W, h123km, 4km, mb4.1/15, mb1.4/3.15, mb1mx4.1/43, mbtmp4.4/15, MS2.9/3

Ms1 2.9/3, ms1mx2.6/42, Error ellipse: s-maj=17.7km s-min=13.4km az=157.0

ISC 08 04:11:56.3.0.6, 30:19S-106:177.8W, 0.1, h113km, n212, e259/144, mb4.7/64, 1.3, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GLKZ, Green Lake, 0.93, 355, P, Pn, 04 12 18.7 +1.6

PGC 08 03:52:05.6.0.8, 53:19N-132:94W, h20km, ML3.7/10, ML3.7/10, 75km west of Sandspit, Bc Haida Gwaii

Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, VIB, Van Inlet, 0.25, 75, Op, Pn, 03 52 15.2 +0.4, DIB, Dawson Inlet, 0.28, 87, P, Sb, 03 52 11.7 -0.3

WEL 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

mb4, 6/65, Error ellipse: s-maj=8.6km s-min=2.3km az=25.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, WEL, 08 04:11:54.6.1.1, 30:5S-107:17W, 2.2, h113km, 22km, ISC/JB 08 04:11:55.9.0.2, 30:20S; 0:03-178:26W, 0.06, h100km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ARAO ARCESS Array, FIAO FINESSE Array, etc.

GUC 08 04:43:27.4-0.5, 21.24S:68.45W, h152km, 5km, ML3.1
IDC 08 04:43:30.2-3.1, 21.07S:67.81W, h153km, 32km, mb3.4/3,
mb1 3.3/6, mb1mx3.1/37, mbtmp3.9/6, Error ellipse:
s-maj=32.8km s-min=26.6km az=115.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB01 IPOC Station P, PB08 IPOC Station P, etc.

IDC 08 04:47:10.8-1.4, 34.48N:27.02E, h0km, mb3.6/5,
mb1 3.6/8, mb1mx3.4/63, mbtmp3.5/8, ML3.5/3, Error
ellipse: s-maj=33.4km s-min=20.5km az=156.0

ATH 08 04:47:13.5, 34.51N:27.10E, h15km, 4km, ML2.7/3, Error
ellipse: s-maj=6.3km s-min=1.8km az=333.0

ISCJB 08 04:47:14.5-0.9, 34.52N:0.07-27.11E:0.05, h24km,
mb3.5/5, Error ellipse: s-maj=10.5km s-min=5.8km
az=178.0

ISC 08 04:47:16.2, 34.71N:26.97E, h22km, ML2.8/9
ISC 08 04:47:14.8-1.1, 34.54N:0.08-27.06E:0.04, h24km, n28,
o157/32, mb3.7/5, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZKR Zakros, KARP Karpathos, NPS Neapolis, etc.

MEX 08 05:08:10.0-1.1, 18.29N:103.81W, h17km, 532km, MD3.6,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MMIG Aquila, R15V, EZSV.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes EZSV.

ISK 08 05:24:20.9, 38.68N:28.09E, h14km, ML2.3/4
ISCJB 08 05:24:21.3-0.5, 38.70N:0.02-28.07E:0.03, h2km, 7km,
Error ellipse: s-maj=4.1km s-min=3.9km az=29.7

DDA 08 05:24:21.2, 38.71N:28.07E, h7km, ML2.6
ISC 08 05:24:21.2, 38.69N:0.03-28.09E:0.03, h10km, 9km,
n14, o45/42, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AKHS Akhisar, AKHT Manisa, KULA Kula-Manisa, etc.

SJA 08 05:28:17.4-0.5, 24.13S:64.89W, h14km, 4km, ML3.9,
MM3.9
ISCJB 08 05:28:19.3-0.5, 24.03S:0.04-65.04W:0.07, h3km,
mb4.0/3, MS3.1/1, Error ellipse: s-maj=9.9km s-min=5.8km
az=13.2

NEIC 08 05:28:21.1-2.3, 24.00S:65.13W, h34km, 18km, mb3.8/3,
MD3.9(SJA), Error ellipse: s-maj=11.2km s-min=9.3km
az=92.0

NEIC Fell (IV) at San Pedro and (III) at San Salvador de Jujuy.
IDC 08 05:28:22.5-4.0, 23.94S:64.89W, h35km, 30km, mb3.9/3,
mb1 3.9/7, mb1mx3.6/39, mbtmp4.0/7, ML4.1/4, MS3.0/5,
MS1 3.0/5, ms1mx2.6/39, Error ellipse: s-maj=32.2km
s-min=23.0km az=62.0

ISC 08 05:28:21.6-0.8, 24.13S:0.05-65.13W:0.10, h35km, n26,
o200/28, mb4.1/3, Salta Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SLA San Lorenzo, HJA Humaahuaca, HJA Yavi, etc.

CPUP comp=Z, 3.6nm, 0.3s, baz=327, slow=1.3, SNR=2.9
CPUP comp=Z, 122nm, 21.3s, baz=292, slow=1.1, SNR=2.9

LPAZ La Paz 8.29 340 Pn Pn 05 30 20.5 +0.5
comp=Z, 0.5nm, 0.3s, baz=121, slow=4.2, SNR=14

LPAZ comp=Z, 91nm, 18.3s, baz=142, slow=1.1, SNR=11
LPAZ La Paz 8.29 340 Pn Pn 05 30 18.6 -1.4
05 30 19.5
LPAZ San Ignacio 8.95 26 Pn Pn 05 30 26.8 -1.7
comp=Z, 1.7nm, 0.3s, baz=240, slow=8.6, SNR=52

SIV comp=Z, 44nm, 20.6s, baz=86, slow=36
SAML Samuel 15.21 7 ePn Pn 05 31 52.8 -1.1

GO06 Curarehue 16.32 198 ePn P 05 32 10.5 -0.2
PLCA Paso Flores 17.17 194 P P 05 32 24.6 +4.4

BDFB Brasilia 18.16 65 LR 05 40 11.5
comp=Z, 5.7nm, 21.8s, baz=95, slow=4.0, SNR=4.5

PTGA Pitinga 23.79 13 P P 05 33 29.5 -1.8
comp=Z, 3.4nm, 0.7s, baz=188, slow=8.8, SNR=7.7

PTGA comp=Z, 65nm, 19.9s, baz=173, slow=10.0, SNR=10
PTGA Pitinga 23.79 13 ePn P 05 33 29.1 -2.1

KOWA Kowa 70.95 64 P P 05 39 35.5 -0.4
comp=Z, 1.5nm, 0.7s, baz=256, slow=12, SNR=3.0

TOA1 Torodi Arr 75.03 68 ePn P 05 39 58.6 -1.5
TOA1 Torodi Arr 75.03 68 P P 05 39 58.6 -1.5
comp=Z, 2.0nm, 0.6s, baz=256, slow=5.4, SNR=18

WR1 Warrungarra Arr 132.26 205 ePKP P 05 47 32.2 -0.5
WRA Warrungarra Arr 132.26 205 ePKP P 05 47 32.2 -0.5
comp=Z, 0.5nm, 0.6s, baz=153, slow=1.8, SNR=9.9

MK32 Makanchi Array 145.52 41 ePKP P 05 47 56.4 0.0
MKAR Makanchi Array 145.52 41 PKP P 05 47 56.4 0.0
comp=Z, 0.4nm, 0.7s, baz=260, slow=4.8, SNR=3.7

IDC 08 05:53:05.1-8.2, 7.62S:128.60E, h114km, 88km, mb3.2/1,
mb1 3.4/4, mb1mx3.2/52, mbtmp3.6/4, ML3.7/3, Error
ellipse: s-maj=75.9km s-min=25.9km az=30.0, Banda
Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VANB Van, BATI Baumata, BATI, FITZ Fitzroy Crossi, WRA Warrungarra Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GEVA Gevas, TUTA Tutak, Guroymak-BITLI, etc.

NIED 08 05:57:00.47:50N:146.70E, h620km, Mw4.9 Best
double couple: M2.73000:1016 NP1:340,00000*,
339,00000*, 757,00000*. NP2:320,00000*, 658,00000*,
7,114,00000*

ISCJB 08 05:57:18.4-0.2, 48.16N:0.03:146.40E:0.02,
h471km, 2km, mb4.6/476, Error ellipse: s-maj=4.4km
s-min=2.2km az=174.4

MOS 08 05:57:18.9-0.8, 48.08N:146.43E, h481km, mb4.7/118,
Error ellipse: s-maj=6.9km s-min=4.3km az=94.2

BUI 08 05:57:18.9, 48.16N:146.31E, h470km, mb4.7/33,
mb4.8/24

JMA 08 05:57:19.0-0.5, 47.52N:146.69E, h523km, M4.6
SKHL 08 05:57:19.1-0.5, 47.94N:146.83E, h496km, 20km, mb4.8/2,
msh5.2/7

IDC 08 05:57:20.1-0.6, 48.12N:146.46E, h483km, 7km, mb4.1/36,
mb1 4.2/45, mb1mx4.0/74, mbtmp5.0/45, Error ellipse:
s-maj=8.3km s-min=6.7km az=147.0

NEIC 08 05:57:20.3-1.3, 48.10N:146.43E, h485km, 6km,
mb4.7/423, Error ellipse: s-maj=14.6km s-min=11.9km
az=147.0

ISC 08 05:57:19.4-0.4, 47.98N:0.04:146.50E:0.04, h481km, 3km,
h481km, pp-P, N1387, f1904/1499, mb4.7/498, 52C-17D,
Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like YSS Yuzh-Sakhalins, YSS 740nm.0.6s, YSS 177nm.0.6s, etc.

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS 177nm.0.6s A A 05 58 29.5
YSS 2um.2.0s A A 05 59 24.5

YSS 4um.2.0s A A 05 59 25.8
YSS 1um.1.0s A A 05 59 25.8

YSS 870nm.1.0s A A 05 59 25.8
YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

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YSS 740nm.0.6s A A 05 58 29.5

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YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

YSS Yuzh-Sakhalins 2.74 249 eP P 05 58 28.8 +1.7
YSS 740nm.0.6s A A 05 58 29.5

8d 5h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BMN Battle Mountain, WAKR Walker, and many others.

2012 AUG

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like ZEI Simmer, SUE Sulen, and many others.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like CCUT Cedar City, K22A Casper, and many others.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like Wickenburg, Ojcow, Bucovina Ar. S, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like D41A Chassel, ESK Eskdalemuir, GOPC Gop Pechy, Ondr, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like MDVR Moldovia, L37A Phoenix Point, K38A Parkersburg, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like ECH Echery, MNTX Cornudas Mt, Q37A Longview Farm, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like R42A Luebbering, S41A Jillico Farms, HHAR Hobbs, etc.

Table with columns: Station ID, Name, Frequency, Power, and other technical details. Includes stations like PKME Peaks-Kenny Pk, M54A Oil Creek Stat, M54A Oil Creek Stat, etc.

Table with columns: Call ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes entries like R52A Catlettsburg, V47A Nunnelly, Y43A Makaya and Ka, etc.

Table with columns: Call ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes entries like X49A Woodville, U53A Fall Branch, 244A Avery, Jackson, etc.

Table with columns: Call ID, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes entries like PGAV Gavieira, Arco, 251A Midway, BRAL Brewton, etc.

NIED 08 06:17:00,37:10N;141:90E,h26km,Mw3.7 Best double
Error ellipse: M3.4100x1014 NP1.5x211.00000;88.00000;
1.88.00000. NP2.0x33.00000;82.00000;1.90.00000.
ISCJ 08 06:17:28.3,1.3,37:12N;140:142E;0.8, h16km,8km,
mb3.6/6, Error ellipse: s-maj=10.3km s-min=7.4km
az=172.5

M1 2.8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

ISC 08:06:23:32.6.0.3,33.85N,0:01:117.82W,0:01,h8km,2km,mb3.9/6,MS3.3/2,Error ellipse: s-maj=2.5km s-min=1.5km az=30.2

ms2,8/3,ms1mx2.4/40,Error ellipse: s-maj=27.4km s-min=16.3km az=73.0

BAR MONP2 Monument Peak 1.50 128 P Sg Pg 06 24 20.6 +0.5

MONP2 Monument Peak 1.50 128 P Sg Pg 06 24 20.7 -0.1

MONP2 Monument Peak 1.50 128 P Sg Pg 06 24 20.3 +0.1

RYR Reyes Peak 1.50 304 P Pg 06 24 01.2 +0.3

SCZ2 Santa Cruz Isl 1.51 277 P P 06 23 59.4 -0.8

SNCC San Nicolas Is 1.52 249 ePn P 06 24 00.3 -0.9

SNCC San Nicolas Is 1.52 249 P P 06 24 00.2 -0.9

BELC Belle Mtn, Jos 1.54 83 P P 06 24 00.6 -0.2

BELC Belle Mtn, Jos 1.54 83 P P 06 24 00.7 -0.7

ABL Mount Abel 1.54 312 ePn P 06 24 00.7 -0.3

ARVC Arvin 1.55 328 P P 06 24 00.2 -0.6

HEC Hec Hec 1.60 50 P P 06 24 20.8 -0.7

LRMC Laure Mtn Rd 1.67 4 P P 06 24 01.8 -0.7

SBC Santa Barbara 1.68 292 P P 06 24 02.5 -0.1

GSC Goldstone, Bar 1.71 29 P Sg Pg 06 24 02.7 -0.4

GSC Goldstone, Bar 1.71 29 P Sg Pg 06 24 02.7 -0.4

CBX Cerro Bola 1.79 146 P P 06 24 02.5 -0.6

WSHM Spangler Hills 1.80 9 P P 06 24 03.6 -0.7

IKP In-Ko-Pah, Jac 1.85 128 P P 06 24 05.2 -1.6

IKP In-Ko-Pah, Jac 1.85 128 P P 06 24 05.2 -1.6

WORM Onyx Ranch 1.91 350 ePn P 06 24 05.0 -0.8

SWSC Sam W. Stewart 1.91 116 P P 06 24 05.4 -0.4

SWSC Sam W. Stewart 1.91 116 P P 06 24 05.4 -0.4

ISA Isabella, Lake 1.92 344 P P 06 24 05.3 -0.6

ISA Isabella, Lake 1.92 344 P P 06 24 05.3 -0.6

PKM McPherson Peak 1.96 304 P P 06 24 06.2 -0.4

BC3 Big Chuckwall 1.99 94 P P 06 24 06.3 -0.7

GMRC Granite Mnta 2.04 61 P P 06 24 06.9 -0.9

GMRC Granite Mnta 2.04 61 P P 06 24 06.9 -0.9

WCHM Chimney Peak 2.07 355 ePn P 06 24 07.4 -0.9

CRGC Crocker Grade 2.11 313 ePn P 06 24 09.0 +0.3

VPEM Volcano Peak 2.13 0 ePn P 06 24 08.3 -0.6

RCWM Renegade Canyo 2.13 4 ePn P 06 24 08.4 -0.6

MPMC Manual Prospect 2.25 7 P P 06 24 10.1 -0.7

TUQ Turquoise Mnt 2.26 44 P P 06 24 09.9 -0.8

IRM Iron Mountain 2.26 81 P P 06 24 10.1 -0.5

IRM Iron Mountain 2.26 81 P P 06 24 10.1 -0.5

YES Vesta, Right 2.27 333 P P 06 24 10.3 -0.4

YES Vesta, Right 2.27 333 P P 06 24 10.3 -0.4

BCH Branch Mountain 2.31 307 ePn P 06 24 11.6 +0.3

SMMC Simmer 2.33 311 P P 06 24 11.7 +0.1

SMMC Simmer 2.33 311 P P 06 24 11.7 +0.1

SHOC Shoshone, Teco 2.44 31 P P 06 24 12.7 -0.4

DAC Darwin (Caif) 2.46 5 ePn P 06 24 13.2 -0.4

DAC Darwin (Caif) 2.46 5 ePn P 06 24 13.2 -0.4

PLML Mount Lospe 2.54 296 eSg P 06 24 14.1 -0.4

PBPM Bitterwater Pu 2.55 314 P P 06 24 14.5 -0.1

LDFC Landfair 2.58 60 P P 06 24 14.6 -0.5

LDPC Mexicali 2.62 122 P P 06 24 18.2 -1.0

PIRM Iverson Ranch 2.62 312 ePn P 06 24 15.9 +0.3

CWC Cottonwood Cre 2.63 356 P P 06 24 15.4 -0.4

GLA Glamis 2.63 106 ePn P 06 24 15.9 +0.2

GLA Glamis 2.63 106 ePn P 06 24 15.9 +0.2

Y12C Blythe 2.76 90 ePn P 06 24 17.2 -0.3

Y12C Blythe 2.76 90 ePn P 06 24 17.2 -0.3

PAGB Antelope Grade 2.76 315 ePn P 06 24 17.5 0.0

FURC Furnace Creek, 2.76 16 P P 06 24 17.0 -0.5

NEE2 Needles Airpor 2.83 69 P P 06 24 18.4 +0.1

NEE2 Needles Airpor 2.83 69 P P 06 24 18.4 +0.1

PTAM Tassajara Cree 2.85 304 ePn P 06 24 18.6 -0.1

VPDC Valencia Peak 2.88 300 ePn P 06 24 19.0 -0.2

LSDC Los Osos Digit 2.89 302 ePn P 06 24 19.3 0.0

PHAM Harlan Ranch 2.92 314 ePn P 06 24 19.7 0.0

PSTM Stockdale Moun 3.05 315 ePn P 06 24 21.3 -0.7

PVCN Vineyard Valley, 3.05 314 ePn P 06 24 21.3 -0.7

BLDC Black Mountain 3.05 305 ePn P 06 24 20.9 -0.7

PPO Portuguese Can 3.07 313 ePn P 06 24 21.8 0.0

PDMDI Parker Dam,Lak 3.10 80 P P 06 24 22.0 -0.2

PDMDI Parker Dam,Lak 3.10 80 P P 06 24 22.0 -0.2

PHPM Hope Peak 3.14 314 ePn P 06 24 22.5 -0.2

PSMM Smith Mountain 3.19 316 ePn P 06 24 23.7 +0.2

GRAC Grapevine Rang 3.20 7 P P 06 24 24.2 +0.7

TIN Tinemaha, Big 3.25 354 P P 06 24 24.8 +0.5

PTV Peach Tree Val 3.29 315 ePn P 06 24 24.5 -0.3

PSB Hesperia Broad 3.32 336 ePn P 06 24 24.1 -0.4

TPNV Topopah Spring 3.38 22 P P 06 24 26.8 +0.4

TPNV Topopah Spring 3.38 22 P P 06 24 26.8 +0.4

SPIG San Pedro Mart 3.41 143 P P 06 24 28.5 +1.8

SPIG San Pedro Mart 3.41 143 P P 06 24 28.5 +1.8

SPX San Pedro Mart 3.41 143 P S 06 25 07.2 -0.8

PMPB Monarch Peak 3.42 315 ePn P 06 24 26.2 -0.3

SHPR Sheep Range 3.46 38 ePn P 06 24 27.7 +0.4

W13A Hualapai Mount 3.50 67 ePn P 06 24 27.9 0.0

PCMC Crazy Canyon 3.55 311 ePn P 06 24 27.8 -0.6

113A Topopah Spring 3.56 106 ePn P 06 24 29.0 +0.5

PAPM Alder Peak 3.58 307 ePn P 06 24 27.6 -1.2

LRC Lone Oak Road 3.58 314 ePn P 06 24 27.9 -0.6

SCHCA Scheelite 3.60 349 ePn P 06 24 30.3 +0.9

MHDM Hidden Dam 3.70 334 ePn P 06 24 30.2 -0.2

RCCR Rock Creek Can 3.73 349 ePn P 06 24 31.4 +1.3

SHG Shirttail Gule 3.82 314 ePn P 06 24 30.9 -1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TKL, YKA, YKBS, ILAR, NJ2, NJ2.

ISCJB 08 06:26:32.621.3.29.70S:0.07:177.4W:0.2, h100km, mb4.1/4, Error ellipse: s-maj=24.0km s-min=9.1km az=11.8

IDC 08 06:26:34.0.1.3.29.62S:177.44W, h95km, mb3.8/4, mb1.4/0.6, mb1mx3.6/4.4, mbtmnp4.2/6, Error ellipse: s-maj=26.6km s-min=18.9km az=12.0

ISC 08 06:26:33.9.1.0.29.66S:0.10:177.4W:0.2, h100km, n23, o#66/18, mb4.2/4, Kermadec Islands

Main table for the first section, listing station codes (RAO, URZ, AFI, etc.), station names, and various parameters like Az, Az', Phase ID, Time, Res.

GII 08 06:26:37.8.0.0.37.17N:30.64E, h1km

ISCJB 08 06:26:42.5.0.4.37.10N:0.03:30.69E:0.03, h98km, 5km, mb4.7/1, Error ellipse: s-maj=4.5km s-min=3.4km az=26.2

ISK 08 06:26:43.1.37.18N:30.66E, h89km, ML3.1/6

DDA 08 06:26:44.2.37.17N:30.64E, h53km, MI3.2

NIC 08 06:26:48.0.4.36.68N:30.54E, h50km, mb4.1, ML3.6

ISC 08 06:26:44.0.1.0.37.13N:0.03:30.71E:0.03, h83km, 7km, n45, c#158/75, Turkey

Main table for the second section, listing station codes (KORT, KORT, KORT, etc.), station names, and various parameters like Az, Az', Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MBRI, HHC, HHC.

DJA 08 06:38:43.5.0.4.0.5'S:12.4'E, h97km, 19km, M4.0/6, ML4.0/6, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUWI, MRSI, APSI, SANI, LBMI.

ISCJB 08 06:48:35.5.0.3.51.48N:0.01:16.15E:0.02, h0km, mb3.3/2, Error ellipse: s-maj=2.1km s-min=1.8km az=21.0

IUCP 08 06:48:36.5.0.2.51.57N:16.19E, h0km, ML3.1/4, Error ellipse: s-maj=2.6km s-min=1.4km az=72.0

IDC 08 06:48:38.7.0.51.46N:16.13E, h0km, mb3.5/2, mb1.3/7.10, mb1mx3.5/6.6, mbtmnp3.7/10, ML3.2/7, Error ellipse: s-maj=10.1km s-min=5.5km az=117.0

PRU 08 06:48:38.9.0.51.46N:16.14E, h0km, LDG 08 06:48:38.7.0.51.39N:16.06E, h1km, M3.9/17, Error ellipse: s-maj=5.5km s-min=2.8km az=10.0, Suspected Mining induced.

BGR 08 06:48:39.0.0.4.51.47N:16.13E, h1km, ML3.5/12, Error ellipse: s-maj=3.3km s-min=2.2km az=25.0

VIE 08 06:48:39.5.0.6.51.35N:16.04E, h0km, mb2.9/12, mb3.1/13, ms3.1/1, Error ellipse: s-maj=5.5km s-min=4.0km az=17.0 73 km WNW of Wroclaw Suspected Mining induced.

UPP 08 06:48:39.1.3.31.59N:15.66E, h0km, ML1.9

ISC 08 06:48:36.5.0.6.51.55N:0.02:16.14E:0.02, h0km, n109, c#197/173, 11C-5D, Poland

Main table for the third section, listing station codes (KSP, KSP, KSP, etc.), station names, and various parameters like Az, Az', Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NKC, GUNZ, WERN, WERN.

ISCJB 08 06:26:32.621.3.29.70S:0.07:177.4W:0.2, h100km, mb4.1/4, Error ellipse: s-maj=24.0km s-min=9.1km az=11.8

IDC 08 06:26:34.0.1.3.29.62S:177.44W, h95km, mb3.8/4, mb1.4/0.6, mb1mx3.6/4.4, mbtmnp4.2/6, Error ellipse: s-maj=26.6km s-min=18.9km az=12.0

ISC 08 06:26:33.9.1.0.29.66S:0.10:177.4W:0.2, h100km, n23, o#66/18, mb4.2/4, Kermadec Islands

Main table for the fourth section, listing station codes (JAVC, JAVC, JAVC, etc.), station names, and various parameters like Az, Az', Phase ID, Time, Res.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like HYB Hyderabad, MDRS Chennai, KBK Karagaybulak, etc.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like AB31 comp=Z,67nm,0.6s, ABKAR Akbulak array, SPIA Saint Paul Isl, etc.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like RND Reindeer, MDM Murphy Dome, KLMR Klimovskoe, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Spitsbergen Ar, Cirque, Kevo, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Suwalki, Mount Meron Ar, Namsos, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Alexandroupoli, Kdzhal, YKWS, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like PRU Pruhonice, SOP Soron, CLL Colim, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like FSK Fiskardo, MYKA Terra Mystica, E03A Enumolaw, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes entries like YBH Yreka Blue Hor, YBH Yreka Blue Hor, Y05D Fort Rock, etc.

KEST	comp=Z,95nm,18.2s,baz=274,slew=40	LR	LR	08 13 00.9
KEST	Kesra 93.77 313 eP	P		07 24 04.5 +0.7
VES	comp=Z,29nm,1.4s Vestahigh baz=306,SNR=5.5	47 P	P	07 24 04.2 +0.5
FXWY	Fox Creek 93.82 37 eP	P		07 24 05.9 +1.9
PKM	McPherson Peak 93.87 48 P	P		07 24 05.5 +1.2
DGMT	Dagmar 93.87 30 P	P		07 24 04.9 +1.0
DGMT	Dagmar 93.87 30 P	P		07 24 04.6 +0.8
MOOV	Moose Ponds 93.90 37 eP	P		07 24 06.1 +1.7
TPAW	Teton Pass 93.96 37 eP	P		07 24 06.0 +1.3
HVU	Hansel Valley 94.06 39 eP	P		07 24 07.0 +1.9
LOHW	Long Hollow 94.06 37 eP	P		07 24 07.2 +2.1
SNOW	Snow King Moun 94.08 37 eP	P		07 24 07.0 +1.7
REDW	Red Top Meadow 94.09 37 eP	P		07 24 07.0 +1.8
CWC	Cottonwood Cre 94.11 46 eP	P		07 24 05.8 +0.4
MBAR	Mbarara 94.15 271 eP	P		07 24 05.9 -0.1
MBAR	Mbarara 94.15 271 eP	P		07 24 05.9 -0.1
SBC	Santa Barbara 94.19 49 P	P		07 24 07.0 +1.4
LAO	LASA Array 94.20 33 eP	P		07 24 07.2 +1.7
LAO	LASA Array 94.20 33 P	P		07 24 06.4 +1.0
GRAC	Grapevine Rang 94.24 45 P	P		07 24 07.3 +1.4
ISA	Isabella, Lake 94.31 47 eP	P		07 24 06.9 +0.7
ISA	Isabella, Lake 94.31 47 eP	P		07 24 06.9 +0.7
ISA	Isabella, Lake 94.31 47 P	P		07 24 06.4 +0.4
AHID	Auburn Hatcher 94.35 38 eP	P		07 24 07.4 +1.0
ARVC	Arvin 94.39 48 P	P		07 24 06.7 +0.2
BGU	Big Grassy Mou 94.46 40 eP	P		07 24 08.8 +1.9
SCZ2	Santa Cruz Isl 94.50 49 P	P		07 24 08.0 +0.9
R11A	Troy Canyon, C 94.54 43 eP	P		07 24 08.4 +1.1
R11A	Troy Canyon, C 94.54 43 P	P		07 24 08.6 +1.3
SPUT	South Promonto 94.55 40 eP	P		07 24 08.1 +0.8
MPMC	Manual Prospec 94.72 46 P	P		07 24 09.3 +1.0
OSI	Osito Audit: C 94.76 48 P	P		07 24 09.1 +0.8
BLG	Laguna Peak, P 94.82 49 P	P		07 24 09.5 +1.0
HWUT	Hardware Ranch 94.86 39 eP	P		07 24 10.3 +1.6
FURC	Furnace Creek, 94.88 46 P	P		07 24 10.0 +1.4
LRMC	Laurel Mt Rad 94.94 47 P	P		07 24 10.2 +1.1
TPNV	Topopah Spring 94.98 45 eP	P		07 24 10.3 +1.0
TPNV	Topopah Spring 94.98 45 eP	P		07 24 10.3 +1.0
TPNV	Topopah Spring 94.98 45 P	P		07 24 10.4 +1.0
DUG	Dugway, Tooele 95.05 41 eP	P		07 24 11.2 +1.6
DUG	Dugway, Tooele 95.05 41 eP	P		07 24 11.2 +1.6
DUG	Dugway, Tooele 95.05 41 P	P		07 24 11.0 +1.4
EDW2	Edwards Air Fo 95.09 47 P	P		07 24 11.1 +1.3
BW06	Boulder Array 95.20 37 eP	P		07 24 11.3 +1.0
BW06	Boulder Array 95.20 37 P	P		07 24 10.7 +0.4
PD31	Pinedale Array 95.20 37 eP	P		07 24 11.0 +0.7
PD31	Pinedale Array 95.20 37 eP	P		07 24 11.0 +0.7
PDAR	Pinedale Array 95.20 37 P	P		07 24 11.2 +0.9
PDAR	Pinedale Array 95.20 37 P	P		07 27 49.9 -11.1
DECC	Green Verdugo 95.23 48 P	P		08 07 21.1 +0.7
TCUT	Toone Canyon 95.27 39 eP	P		07 24 12.2 +1.5
CTU	Camp Tracy 95.35 40 eP	P		07 24 11.8 +0.9
PSUT	Pine Spring 95.49 42 eP	P		07 24 12.9 +1.2
FMP	Fort Macarthur 95.57 48 P	P		07 24 12.8 +0.9
JLU	Jordanelle 95.58 40 eP	P		07 24 13.0 +0.9
SHOC	Shoshone, Teco 95.60 46 P	P		07 24 13.0 +1.0
GSC	Goldstone, Bar 95.62 46 eP	P		07 24 13.3 +1.1
GSC	Goldstone, Bar 95.62 46 eP	P		07 24 13.3 +1.1
GSC	Goldstone, Bar 95.62 46 P	P		07 24 13.3 +1.1
NLU	North Lily Mtn 95.64 40 eP	P		07 24 14.2 +1.8
CIS	Catalina Islan 95.67 49 P	P		07 24 13.3 +0.9
BFSC	Mount Baldy Ra 95.69 48 P	P		07 24 13.0 +0.4
MPU	Maple Canyon 95.86 40 eP	P		07 24 14.2 +0.8
SHPR	Sheep Range 95.94 45 eP	P		07 24 15.1 +1.3
ULM	Lac du Bonnet 95.98 25 P	P		07 24 13.0 -0.4
ULM	Lac du Bonnet 95.98 25 P	P		08 09 43.4
ULM	Lac du Bonnet 95.98 25 eP	P		07 24 13.5 +0.1
TUQ	Turquoise Moun 96.11 46 P	P		07 24 15.6 +1.1
BBUC	Big Bear Solar 96.17 47 P	P		07 24 15.5 +0.6
HEC	Hector,Ludlow 96.21 47 P	P		07 24 15.7 +0.8
MDND	Maddock 96.37 28 eP	P		07 24 16.3 +1.1
MDND	Maddock 96.37 28 P	P		07 24 15.9 +0.7
MURC	Murrieta 96.38 48 P	P		07 24 16.3 +0.7
CCUT	Cedar City 96.41 43 eP	P		07 24 16.9 +1.0
MSU	Marysville 96.51 42 eP	P		07 24 18.5 +2.1
MSU	Marysville 96.51 42 eP	P		07 24 18.5 +2.1
SZCU	Shurtz Canyon 96.55 43 eP	P		07 24 17.2 +0.6
TMUT	Trail Mountain 96.58 41 eP	P		07 24 18.1 +1.3
GMRC	Granite 96.68 43 P	P		07 24 18.2 +1.1
LCMT	Little Creek M 96.83 43 eP	P		07 24 18.9 +1.2
FRD	Ford Ranch, Ar 96.84 48 P	P		07 24 18.9 +1.2
Q16A	Castle Valley 96.85 41 eP	P		07 24 18.8 +1.0
109C	Camp Elliot, M 96.86 49 P	P		07 24 18.2 +0.5

PFO	baz=307 Pinyon Flats O 96.86 48 eP	P		07 24 19.0 +1.1
PFO	Pinyon Flats O 96.86 48 eP	P		07 24 19.0 +1.1
PFO	Pinyon Flats O 96.86 48 P	P		07 24 19.1 +1.1
XPFO	Pinyon Flats O 96.86 48 eP	P		07 24 19.0 +1.1
K22A	Casper 96.90 36 eP	P		07 24 18.9 +0.9
K22A	Casper 96.90 36 P	P		07 24 18.4 +0.4
P18A	Preston Nutter 96.92 40 eP	P		07 24 20.1 +1.9
BELC	Belle Mtn, Jos 96.93 47 P	P		07 24 18.9 +0.6
SURC	San Rafael Swe 97.10 40 eP	P		07 24 20.5 +1.4
RSSD	Black Hills 97.11 33 eP	P		07 24 20.2 +1.2
RSSD	Black Hills 97.11 33 eP	P		07 24 20.2 +1.2
RSSD	Black Hills 97.11 33 P	P		07 24 19.7 +0.7
PKCU	Pin Cliffs 97.12 42 eP	P		07 24 21.7 +2.3
RWWY	Rawlins 97.21 37 eP	P		07 24 19.6 +0.1
A3A	Warrod 97.23 26 P	P		07 24 18.9 -0.2
ABR	Barrett 97.28 48 eP	P		07 24 21.2 +1.4
MONP	Monument Peak 97.32 48 P	P		07 24 21.2 +1.1
NEE2	Needles Airpor 97.36 46 P	P		07 24 20.8 +0.8
IRM	Iron Mountain 97.40 47 P	P		07 24 21.5 +1.3
BC3	Big Chuckwalla 97.50 47 P	P		07 24 22.1 +1.3
W13A	Hualapai Moun 97.63 45 eP	P		07 24 23.0 +1.5
IKP	In-Ko-Pah, Jac 97.67 48 P	P		07 24 22.8 +1.2
SWSC	Sam W. Stewart 97.70 48 P	P		07 24 22.6 +1.0
O20A	White River Ci 97.71 38 eP	P		07 24 22.3 +1.3
O20A	White River Ci 97.71 38 P	P		07 24 22.5 +0.7
U15A	North Rim 97.79 43 eP	P		07 24 24.2 +2.0
PDMC	Parker Dam,Lak 97.96 46 P	P		07 24 23.4 +0.7
C33A	Trail 98.03 26 P	P		07 24 22.0 -0.7
Y12C	Blythe 98.05 47 eP	P		07 24 25.0 +1.8
Y12C	Blythe 98.05 47 P	P		07 24 24.5 +1.3
TAOE	Autie Hiva Isla 98.09 96 eSKSac	SKSac		07 34 46.9 -2.2
TAOE	Autie Hiva Isla 98.09 96 eSKSac	SKSac		07 37 00.6 -3.5
TAOE	Autie Hiva Isla 98.09 96 eLR	LR		07 56 33.7
GLA	Glamis 98.28 47 eP	P		07 24 25.3 +1.1
GLA	Glamis 98.28 47 eP	P		07 24 25.3 +1.1
GLA	Glamis 98.28 47 P	P		07 24 25.4 +1.2
PV09	Paradox Valley 98.31 40 eP	P		07 24 25.5 +0.9
PV21	Cone Mtn., Par 98.36 40 eP	P		07 24 26.5 +1.8
PHWY	Pilot Hill 98.41 36 eP	P		07 24 26.1 +1.2
PV23	Carpenter Ridg 98.42 40 eP	P		07 24 26.1 +1.0
N23A	Red Feather La 98.44 37 eP	P		07 24 26.8 +1.7
N23A	Red Feather La 98.44 37 P	P		07 24 25.9 +0.8
PV10	Paradox Valley 98.45 40 eP	P		07 24 26.9 +1.7
PV14	Lion Creek, Pa 98.46 40 eP	P		07 24 26.6 +1.4
PV22	Blue Mesa, Par 98.49 40 eP	P		07 24 27.1 +1.8
PV20	West Nyswonger 98.52 40 eP	P		07 24 27.2 +1.8
PV19	Morning Glory 98.53 40 eP	P		07 24 26.6 +1.2
PV17	East Wyr Mesa 98.56 40 eP	P		07 24 27.4 +1.8
PV16	Nyswonger Mesa 98.57 40 eP	P		07 24 26.8 +1.2
PV11	David Mesa, Pa 98.60 40 eP	P		07 24 27.6 +1.8
PV18	Skein Mesa, Pa 98.61 40 eP	P		07 24 27.5 +1.7
PV12	Saurer Basin, I 98.63 40 eP	P		07 24 27.7 +1.8
PV03	Paradox Valley 98.64 40 eP	P		07 24 27.6 +1.6
PV13	Radion Mtn., P 98.72 40 eP	P		07 24 28.0 +1.6
PV02	Paradox Valley 98.74 40 eP	P		07 24 28.0 +1.6
C35A	Jirik Farms, M 98.79 25 P	P		07 24 25.5 -0.6
Y14A	Wuenber 98.92 46 eP	P		07 24 28.8 +1.7
WUAZ	Wupatki 98.94 43 eP	P		07 24 28.6 +1.3
WUAZ	Wupatki 98.94 43 P	P		07 24 27.0 -0.2
SCHO	Schefferville 98.98 7 LR	LR		08 12 46.2
SMCO	Snowmass 99.08 38 eP	P		07 24 29.8 +1.7
113A	Mohawk Valley, 99.16 47 eP	P		07 24 29.5 +1.5
ES19	SONSECA Array 99.26 323 ePdif	P		07 24 28.3 -0.1
SUSD	Miller 99.28 30 P	P		07 24 28.3 -0.1
ESDC	Sonsec Array 99.32 323 P	P		07 24 28.0 -0.8
ESDC	Sonsec Array 99.32 323 P	P		07 28 21.7 -11
ESDC	Sonsec Array 99.32 323 P	P		08 12 52.0
ISCO	Idaho Springs 99.39 37 ePdif	P		07 24 30.1 +0.7
ISCO	Idaho Springs 99.39 37 eP	P		07 24 30.1 +0.7
ISCO	Idaho Springs 99.39 37 P	P		07 24 29.2 -0.1
C37A	Embarrass 99.44 24 P	P		07 24 28.6 -0.4
EYMN	Ely 99.52 24 ePdif	P		07 24 29.8 +0.5
EYMN	Ely 99.52 24 P	P		07 24 28.9 -0.4
D36A	Goodland 99.53 25 P	P		07 24 28.9 -0.5
MVCO	Mesa Verde 99.56 41 ePdif	P		07 24 31.0 +0.9
MVCO	Mesa Verde 99.56 41 P	P		07 24 29.6 -0.5
C38A	Sawbill Land. 99.79 24 P	P		07 24 30.1 -0.5
D37A	Cotton 99.83 25 P	P		07 24 30.1 -0.7
S22A	Organ Ranch, Cre 100.15 39 ePdif	P		07 24 33.9 +1.1
214A	4UR Pipe Nat 100.30 47 P	P		07 24 33.4 +0.1
C40A	Isle Royale Na 100.38 23 P	P		07 24 32.4 -0.7
OGNE	Ogallala 100.45 34 P	P		07 24 33.5 -0.3
E38A	The Farm, Brul 100.62 25 P	P		07 24 34.0 -0.3
H35A	Sunnyside Ranc 100.89 28 P	P		07 24 35.8 +0.3

ECSD	EROS Data Cent 100.89 29 P	P		07 24 35.1 -0.4
SDCO	Great Sand Dun 100.91 39 P	P		07 24 36.1 -0.1
F37A	Hinrich Farm, 100.94 26 P	P		07 24 35.1 -0.6
F38A	Pierce - Schro 101.04 25 P	P		07 24 35.9 -0.3
E39A	Mellen 101.19 24 P	P		07 24 36.4 -0.4
SPMN	Marine on St. 101.28 26 ePdif	P		07 24 37.5 +0.2
SPMN	Marine on St. 101.28 26 P	P		07 24 36.8 -0.5
D41A	Chassel 101.32 23 P	P		07 24 36.3 -1.1
H36A	Jessenland, He 101.36 27 P	P		07 24 37.8 +0.2
E40A	Wakfield 101.37 24 P	P		07 24 37.8 +0.1
F39A	Loretta 101.44 25 P	P		07 24 38.1 +0.1
E41A	Kenton 101.69 23 P	P		07 24 38.5 -0.5
G38A	Ridgeland 101.70 26 P	P		07 24 38.4 -0.8
F40A	Park Falls 101.73 24 P	P		07 24 38.6 -0.6
H37A	Dierke Farm, C 101.77 27 P	P		07 24 39.2 -0.2
I36A	Fitzsimmons Fa 101.78 28 P	P		07 24 39.3 -0.2
G39A	Holcombe 101.87 25 P	P		07 24 39.6 -0.3
H38A	Malden Rock 101.95 26 P	P		07 24 40.0 -0.2
I37A	Lemond, Waseca 102.04 27 ePdif	P		07 24 41.4 +0.8
J35A	Seneca 1, Swea 102.20 28 P	P		07 24 41.5 +0.2
G40A	Rib Lake 102.26 25 P	P		07 24 41.7 +0.1
F41A	Three Lakes 102.26 24 P	P		07 24 41.4 -0.2
ANMO	Albuquerque 102.31 41 PP	PP		07 24 42.3 0.0
ANMO	Albuquerque 102.31 41 PP	PP		07 28 56.2 +0.8
H39A	Augusta 102.34 26 P	P		07 24 42.1 +0.1
I38A	Scanlan Farm, 102.45 27 P	P		07 24 42.6 +0.1
J37A	Redenius Farm, 102.55 28 P	P		07 24 42.9 0.0
LSZ	Lusaka 102.57 259 ePdif	P		07 24 43.3 -0.3
LSZ	Lusaka 102.57 259 eP	P		07 24 43.3 -0.3
G41A	Antigo 102.68 24 P	P		07 24 43.2 -0.3
K36A	Gilmore City 102.71 29 P	P		07 24 44.1 +0.4
H40A	Chill 102.73 25 P	P		07 24 43.2 -0.5
F43A	Flat Rock, Esc 102.86 22 P	P		07 24 43.6 -0.6
G42A	Mountain 102.93 24 P	P		07 24 44.2 -0.4
I39A	Houston 102.93 26 ePdif	P		07 24 45.4 +0.7
I39A	Houston 102.93 26 P	P		07 24 44.0 -0.7
K37A	Belmond 102.96 28 P	P		07 24 44.6 -0.2
F44A	Big Bay de Noc 103.00 22 P			

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like PBMO Poplar Bluff, U41A Viola, V39A Pettigrew, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like K39A Oelwein, FRNY Flat Rock, K38A Parkersburg, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other technical details. Includes stations like ASHO Ashiyah, ASHO Ashiyah, ASUD Ashush, Dub, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, KURB Kurchatov, HUMO Hull Mountain, etc.

BJI 08 09:02:06.5, 36°17'N-81°39'E, h6km, mb4.4/1, ML4.2/8, Ms3.6/1

NNC 08 09:02:07.4, 1.9, 36°31'N-81°74'E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=16.2km s-min=13.7km az=133.0

IDC 08 09:02:18.2, 3.0, 37°29'N-81°95'E, h0km, mb3.5/2, mb1 3.8/6, mb1mx3.7/1, mbtmtp3.8/6, ML3.4/4, MS2.9/4, Ms1 3.0/4, ms1mx2.5/4, Error ellipse: s-maj=40.9km s-min=28.9km az=6.0

ISC 08 09:02:21.9, 1.9, 37°36'N-81°81.94E, 0.09, h10km, n19, c=345/15, MS3.0/3, 11C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSH Kashi, PDGK Podgornoye, MDOK Medeo, etc.

IDC 08 09:05:45.4, 5.7, 175°65'-177°17'W, h0km, mb4.2/3, mb1 4.4/3, mb1mx3.6/49, mbtmtp4.2/3, Error ellipse: s-maj=275.0km s-min=89.0km az=151.0, Fiji Islands region

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, BRTR Keskin Array B, etc.

ISCJB 08 09:13:50.8, 0.8, 39°97'N-104°35'39E, 0.06, h6km, 7km, Error ellipse: s-maj=7.4km s-min=6.1km az=153.5

DDA 08 09:13:50.6, 39°96'N-35°32'E, h7km, ML2.5

ISK 08 09:13:50.3, 39°98'N-35°39'E, h7km, ML2.2/2

ISC 08 09:13:50.8, 1.3, 39°96'N-104°35'35E, 0.04, h10km, 13km, n9, c=89/14, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YOZ Yozgat, COAL Corum-Alaca, etc.

IDC 08 09:19:03.3, 2.4, 53°56'N-86°77'E, h0km, mb1 2.8/2, mb1mx2.7/70, mbtmtp2.8/2, ML2.5/2, Error ellipse: s-maj=21.8km s-min=13.1km az=75.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H46RU ZALESOVO INFRA, ZALV Zalesovo Beam, etc.

IDC 08 09:31:41.4, 2.6, 0°09'N-98°79'E, h0km, mb3.5/4, mb1 3.6/5, mb1mx3.4/62, mbtmtp3.5/5, ML3.2/1, Error ellipse: s-maj=91.5km s-min=21.6km az=62.0

ISCJB 08 09:31:45.9, 0.8, 0°09'N-98°65'E, 0.07, h48km, mb3.5/4, Error ellipse: s-maj=10.9km s-min=9.3km

DJA 08 09:31:47.1, 0.7, 0°N-14°x9°9E, h33km, 18km, M3.4/6, MLV3.4/6

ISC 08 09:31:47.3, 1.1, 0°12'N-108°98'65E, 0.08, h48km, n13, c=87/12, mb3.5/4, Northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBSI Pulau Batu, MNSI Mandailing Nat, etc.

JMA 08 09:32:22.3, 0.3, 43°98'N-148°15'E, h0km, M3.7

SKHL 08 09:32:22.3, 0.3, 44°44'N-148°35'E, h34km, 2km, mb4.2/4

ISC 08 09:32:20.6, 3.3, 44°38'N-101°148'5E, 0.2, h55km, n15, c=174/23, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KUR Kuril'sk, KUR 93nm, 0.3s, etc.

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

ISCJB 08 09:43:17.3, 1.1, 52°64'N-101°169'67W, 0.08, h7km, 7km, mb3.8/7, MS2.8/3, Error ellipse: s-maj=17.6km s-min=3.9km az=155.1

IDC 08 09:43:17.3, 0.9, 52°27'N-169°75'W, h0km, mb3.8/7, mb1 4.0/9, mb1mx3.6/87, mbtmtp3.7/9, ML3.1/2, MS2.9/4, Ms1 2.8/4, ms1mx2.5/73, Error ellipse: s-maj=34.2km s-min=17.8km az=176.0

NEIC 08 09:43:18.9, 0.0, 52°72'N-169°63'W, h5km, ML3.8(AEIC), After AEIC

ISC 08 09:43:18.2, 1.9, 52°70'N-101°169'65W, 0.07, h3km, 12km, n48, c=141/46, mb3.8/7, MS3.0/3, Fox Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NIKH Nikolski High, OKSO Okmok South, etc.

IDC 08 09:43:18.2, 1.9, 52°70'N-101°169'65W, 0.07, h3km, 12km, n48, c=141/46, mb3.8/7, MS3.0/3, Fox Islands

KDAD 0.4nm, 0.3s, baz=226, slow=6.7, SNR=17

KDAD 0.1nm, 0.3s, baz=0.0, slow=20, SNR=3.4

ILAR Eielson Array 16.76 35 P P 09 47 17.1 +1.2

PETK Petropavlovsk-19.61 284 P P 09 47 46.9 +1.6

SEY Seymchan 22.30 312 P P 09 48 19.5 -3.2

DLBC Deane Lake 22.85 60 P P 09 48 24.9 +2.5

YKA Yellowknife Arr 30.14 49 LR 10 02 17.7

H112 WAKE ISLAND Hy 37.63 218 T T 10 30 20.8

H113 WAKE ISLAND Hy 37.63 218 T T 10 30 19.7

H111 WAKE ISLAND Hy 37.65 218 T T 10 30 24.0

NVAR Mina Array Bea 37.84 91 P P 09 50 37.6 +1.4

H115 WAKE ISLAND Hy 38.82 217 T T 10 31 54.4

H112 WAKE ISLAND Hy 38.83 217 T T 10 31 55.5

H113 WAKE ISLAND Hy 38.84 217 T T 10 31 55.7

PDAR Pinedale Array 40.70 79 P P 09 50 58.0 -0.4

KSR5 Korea Array 45.20 276 LR LR 10 11 29.8

TXAR Lajitas Array 52.91 89 P P 09 52 35.4 -0.2

JMC Warramunga Arr 87.09 232 P P 09 56 02.6 -2.6

ASAR Ace Springs 90.49 230 P P 09 56 19.4 -1.9

IDC 08 09:48:55.2, 4.4, 36°70'N-120°09'E, h0km, mb4.1/3, mb1 4.1/5, mb1mx3.6/88, mbtmtp4.1/5, ML3.1/2, MS3.5/2, Ms1 3.5/2, ms1mx2.5/69, Error ellipse: s-maj=114.4km s-min=28.1km az=1.0

BJI 08 09:48:57.9, 37°09'N-120°09'E, h5km, ML3.7/11

ISC 08 09:48:57.8, 0.7, 37°14'N-120°07E, 0.04, h10km, n12, c=81/18, mb4.3/3, Northeastern China

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DL2 Dalian, TIA Tai'an, BJI Beijing, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like Matakaoa Point, Rarotonga, and various other island stations.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like STKA, WAKE, H1N1, and various other island stations.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other details. Includes stations like MAT, MJB9, JOW, and various other island stations.

8d 10h

Table with columns: QSPA, South Pole Qui, 73.90 180, P, P, 11 09 18.4 -0.3, etc. Lists various stations and their performance metrics.

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Table with columns: COCO, West Island, 78.55 261, P, P, 11 10 00.0 +14, etc. Lists various stations and their performance metrics.

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Table with columns: BJT, Baijiatuu, 80.28 317, eP, P, 11 09 54.8 -0.1, etc. Lists various stations and their performance metrics.

Q43A	New Douglas	101.54	53	P	Pdif	11 11 35.0	-1.0
X46A	Booneville	101.54	57	P	Pdif	11 11 34.7	-1.4
L41A	Preston	101.56	49	P	Pdif	11 11 34.5	-1.6
S44A	Carbondale	101.64	54	P	Pdif	11 11 35.4	-1.1
N42A	Yates City	101.66	51	P	Pdif	11 11 36.1	-0.4
Z47A	Carrollton	101.69	59	P	Pdif	11 11 36.3	-0.6
E38A	The Farm, Brul	101.69	45	P	Pdif	11 11 35.6	-0.9
G39A	Holcombe	101.70	46	P	Pdif	11 11 35.7	-0.9
P43A	Skaggs, Pawnee	101.81	52	P	Pdif	11 11 35.6	-1.6
I40A	Norwalk	101.82	48	P	Pdif	11 11 35.7	-1.5
W46A	Michie	101.82	57	P	Pdif	11 11 36.6	-0.8
JFWS	Jewell Farm	101.90	49	PFAKE	LR	11 11 50.0	+12
449A	Pace	101.91	61	P	Pdif	11 11 36.1	-1.8
TRQA	Tornquist	101.96	136	PFAKE	LR	11 11 50.0	+12
T45A	Paducah	101.98	55	P	Pdif	11 11 37.5	-0.5
EYMN	Ely	101.98	43	PFAKE	LR	11 11 50.0	+12
EYMN	Ely	101.98	43	P	Pdif	11 11 36.4	-1.5
148A	Greensboro	101.99	59	P	Pdif	11 11 37.9	-0.3
F39A	Loretta	101.99	46	P	Pdif	11 11 37.8	-0.1
349A	Repton	102.04	61	P	Pdif	11 11 38.1	-0.3
Q44A	Meyer Farm, Va	102.05	53	P	Pdif	11 11 37.9	-0.5
C38A	Sawbill Land.	102.09	44	P	Pdif	11 11 37.4	-0.9
O43A	Sugar Creek Fa	102.09	51	P	Pdif	11 11 37.7	-0.7
H40A	Chill	102.12	47	P	Pdif	11 11 37.0	-1.5
X47A	Russellville	102.12	57	P	Pdif	11 11 38.5	-0.3
BRAL	Brewton	102.13	61	PFAKE	LR	11 11 50.0	+11
Z48A	Northport	102.14	59	P	Pdif	11 11 37.7	-1.2
L42A	Oliver, Polo	102.15	50	P	Pdif	11 11 37.4	-1.3
J41A	Loganville	102.15	48	P	Pdif	11 11 38.0	-0.7
HDIL	Hopedale	102.16	51	PFAKE	LR	11 11 50.0	+11
V46A	Holladay	102.16	56	P	Pdif	11 11 38.6	-0.2
U46A	Springville	102.22	56	P	Pdif	11 11 37.5	-1.7
G40A	Rib Lake	102.37	46	P	Pdif	11 11 38.7	-1.0
WVT	Waverly	102.45	56	P	Pdif	11 11 39.4	-0.8
P44A	Sand Creek, Wi	102.46	52	P	Pdif	11 11 37.9	-2.2
W47A	Westpoint	102.48	57	P	Pdif	11 11 40.9	+0.6
R45A	Skyler, Fairri	102.50	54	P	Pdif	11 11 40.4	+0.1
K42A	Prairie Point,	102.53	49	P	Pdif	11 11 39.1	-1.3
F40A	Park Falls	102.54	46	P	Pdif	11 11 39.7	-0.7
T46A	Princeton	102.58	55	P	Pdif	11 11 41.0	+0.3
H41A	Junction City	102.64	47	P	Pdif	11 11 40.7	-0.1
DGZ	Jazztor, Alta	102.64	318	eP	Pdif	11 11 39.9	-1.0
V47A	Nunnely	102.64	56	P	Pdif	11 11 41.1	0.0
O44A	Manfield	102.70	52	P	Pdif	11 11 40.7	-0.5
Q45A	Warren Harvey,	102.71	53	P	Pdif	11 11 41.4	+0.1
X48A	Hartselle	102.77	58	P	Pdif	11 11 42.2	+0.6
350A	Dozier	102.78	61	P	Pdif	11 11 41.4	-0.3
E40A	Wakefield	102.79	45	P	Pdif	11 11 44.2	+2.8
OTAV	Otavalo	102.86	94	PFAKE	LR	11 12 00.0	+17
L43A	Garden Prairie	102.86	50	P	Pdif	11 11 41.1	-0.7
DGAR	Diego Garcia	102.93	258	PFAKE	LR	11 11 50.0	+7.2
250A	Grady	102.94	60	P	Pdif	11 11 41.5	-0.9
U47A	Clarksville	102.94	56	P	Pdif	11 11 42.1	-0.2
W48A	Pulaski	102.99	57	P	Pdif	11 11 40.6	-2.0
I42A	Dreager Farm,	103.03	48	P	Pdif	11 11 45.0	+2.5
N44A	Piper City	103.07	51	P	Pdif	11 11 41.8	-1.0
R46A	Gibson Southern	103.09	54	P	Pdif	11 11 39.9	-3.1
F41A	Three Lakes	103.21	46	P	Pdif	11 11 41.8	-1.6
COWI	Conover	103.25	46	PFAKE	LR	11 12 00.0	+16
J43A	Natural Harves	103.30	48	P	Pdif	11 11 42.2	-1.6
Q46A	CEJHS Indians,	103.35	53	P	Pdif	11 11 42.7	-1.4
X49A	Woodville	103.36	58	P	Pdif	11 11 42.0	-2.3
H42A	Shiocton	103.41	47	P	Pdif	11 11 42.4	-1.8
Z50A	Ashland	103.46	59	P	Pdif	11 11 42.1	-2.7
S47A	Hartford	103.47	54	P	Pdif	11 11 42.7	-2.0
W49A	Belvidere	103.52	57	P	Pdif	11 11 42.7	-2.3
C40A	Isle Royale Na	103.53	44	P	Pdif	11 11 43.5	-1.2
Y50A	Piedmont	103.73	58	P	Pdif	11 11 45.0	-0.9
D41A	Chassel	103.79	45	P	Pdif	11 11 44.6	-1.2
HOPE	Hope Point	103.85	160	PFAKE	LR	11 12 00.0	+14
BCIP	Isla Barro Col	103.88	84	PFAKE	LR	11 12 00.0	+13
352A	Blakely	103.97	61	P	Pdif	11 11 46.4	-0.6
N46A	Monticello	104.13	51	P	Pdif	11 11 46.8	-0.8
E42A	Champion	104.14	45	P	Pdif	11 11 45.9	-1.6
U49A	Red Boiling Sp	104.15	56	P	Pdif	11 11 47.7	0.0
P47A	Martinsville	104.26	53	P	Pdif	11 11 45.9	-2.2
Y51A	Rockmart	104.28	58	P	Pdif	11 11 46.9	-1.5
E43A	Lone Tree Farm	104.76	46	P	Pdif	11 11 48.1	-2.1
ZALV	Zalesovo Beam	104.88	322	PP	PP	11 16 09.1	-1.8
153A	Fort Valley	105.09	60	P	PKIKP	11 16 07.2	+0.6

F44A	Big Bay de Noc	105.10	46	P	PKIKP	11 16 04.7	-1.5
Y52A	Lilburn	105.10	59	P	PKIKP	11 16 04.1	-2.5
V51A	Loudon	105.18	57	P	PKIKP	11 16 06.7	+0.1
O48A	Farmland	105.22	52	P	PKIKP	11 16 06.8	+0.2
Q49A	Aurora	105.24	53	P	PKIKP	11 16 04.4	-2.3
X52A	Dahlonega	105.36	58	P	PKIKP	11 16 06.4	-0.6
W52A	Murphy	105.41	57	P	PKIKP	11 16 04.7	-2.5
Z53A	Monticello	105.41	59	P	PKIKP	11 16 03.5	-3.7
S50A	Richmond	105.43	55	P	PKIKP	11 16 05.3	-1.7
Y53A	Monroe	105.49	59	P	PKIKP	11 16 06.1	-1.2
GOGA	Godfrey	105.52	59	PFAKE	LR	11 16 20.0	
GOGA	Godfrey	105.52	59	P	PKIKP	11 16 03.1	-4.3
R50A	Paris	105.57	54	P	PKIKP	11 16 08.1	+0.7
MKAR	Makananchi Array	105.61	315	Pdif	Pdif	11 11 55.2	+1.2
MKAR	Makananchi Array	105.61	315	Pdif	Pdif	11 16 08.0	+0.8
154A	Montrose	105.69	60	P	PKIKP	11 16 07.7	0.0
F45A	CMU Biological	105.69	46	P	PKIKP	11 16 08.3	+1.0
M48A	Edgerton	105.72	51	P	PKIKP	11 16 08.9	+1.4
V52A	Sevierville	105.79	57	P	PKIKP	11 16 09.1	+1.3
O58A	Arcadia	105.86	66	P	PKIKP	11 16 10.5	+2.3
L48A	N Adams	106.00	50	P	PKIKP	11 16 10.1	+2.1
Z54A	Sparta	106.01	59	P	PKIKP	11 16 08.3	0.0
W53A	Cullowhee	106.04	57	P	PKIKP	11 16 05.9	-2.6
S51A	Beattyville	106.05	55	P	PKIKP	11 16 05.3	-3.0
U52A	Thorn Hill	106.05	56	P	PKIKP	11 16 11.4	+3.1
R51A	Hillsboro	106.15	54	P	PKIKP	11 16 09.7	+1.4
P50A	Jamestown	106.17	53	P	PKIKP	11 16 02.2	+0.8
GLMI	Grayling	106.22	47	PFAKE	LR	11 16 20.0	
GLMI	Grayling	106.22	47	P	PKIKP	11 16 09.8	+1.5
155A	Kite	106.22	60	P	PKIKP	11 16 09.9	+1.2
F46A	Macinaw City C	106.23	46	P	PKIKP	11 16 11.1	+2.8
Y54A	Tignall	106.23	59	P	PKIKP	11 16 11.1	+2.5
Q51A	Peabees	106.44	53	P	PKIKP	11 16 06.6	-2.3
S52A	Salyersville	106.46	55	P	PKIKP	11 16 09.1	+0.1
L49A	Milan	106.51	50	P	PKIKP	11 16 07.3	-1.6
AAM	Ann Arbor	106.61	50	PFAKE	LR	11 16 20.0	
U53A	Fall Branch	106.68	56	P	PKIKP	11 16 08.9	-0.6
859A	Kempfer Cattle	106.83	65	P	PKIKP	11 16 08.6	-1.4
R52A	Cattlettsburg	106.89	54	P	PKIKP	11 16 11.7	+2.0
MTDJ	Mount Denham	108.09	76	PFAKE	LR	11 16 20.0	
NHSC	New Hope	108.20	60	PFAKE	LR	11 16 20.0	
KURK	Kurchatov	108.38	319	PKIKP	PKIKP	11 16 11.4	-0.7
KURB	Kurchatov Arra	108.43	319	PKIKP	PKIKP	11 16 11.4	-0.8
BLA	Blacksburg	108.50	56	PFAKE	LR	11 16 20.0	
KSH	Kashi	109.45	307	PKP	PKIKP	11 16 13.0	-1.7
KSH	KSH	109.45	307	PP	PP	11 16 54.0	+8.9
KSH	KSH	109.45	307	LR	LR	11 16 54.0	+8.9
CNNC	Cliffs of the	110.33	58	PFAKE	LR	11 16 30.0	
GTBY	Guantanamo Bay	110.66	74	PFAKE	LR	11 16 30.0	
AAK	Ala-Archa	110.79	310	PFAKE	LR	11 16 30.0	
CBN	Corbin Frederi	111.00	55	PFAKE	LR	11 16 30.0	
NIL	Nilore	111.08	300	ePKP	PP	11 16 18.7	+0.9
NIL	Nilore	111.08	300	ePKP	PP	11 16 55.9	-1.0
NIL	Nilore	111.08	300	ePKIKP	PKIKP	11 16 18.7	+0.9
NIL	Nilore	111.08	300	e	MLR	11 16 55.9	-1.0
BINY	Binghamton	112.28	51	PFAKE	LR	11 16 30.0	
SDV	Santo Domingo	112.63	87	PFAKE	LR	11 16 30.0	
LONY	Lake Ozonia	113.34	48	PFAKE	LR	11 16 30.0	
BRVK	Borovoye	113.52	321	PFAKE	LR	11 16 30.0	
BRVK	Borovoye	113.52	321	PFAKE	LR	11 16 30.0	
BRVK	Borovoye	113.52	321	PFAKE	LR	11 16 30.0	
KKAR	Karatz Array	113.73	310	PFAKE	PKIKP	11 16 23.2	+0.6
SAML	Samuel	114.31	108	PFAKE	LR	11 16 40.0	+16
GRTK	Grand Turk	114.59	73	PFAKE	LR	11 16 40.0	+15
KBS	Kingsbay	116.85	357	PFAKE	LR	11 16 40.0	+12
PKME	Peaks-Kenny Pk	117.07	47	PFAKE	LR	11 16 40.0	+11
SJG	San Juan	118.72	78	PFAKE	LR	11 16 40.0	+7.2
MSEY	Mahe Island	119.73	255	PFAKE	LR	11 16 50.0	+15
SFJD	Kangerlussuaq	120.17	20	PFAKE	LR	11 16 50.0	+16
PTGA	Pitanga	120.19	101	PFAKE	LR	11 16 50.0	+14
ABPO	Ambohimpanom	120.47	236	PFAKE	LR	11 16 50.0	+14

BBSR	BB Station	121.16	62	PFAKE	LR	11 16 50.0	+13
GRGR	Greenville	121.96	86	PFAKE	LR	11 16 50.0	+11
ANWB	Willy Bob	122.77	79	PFAKE	LR	11 16 50.0	+9.4
GEYT	Alitak	123.40	305	PKP	PKP	11 16 40.6	-0.7
KEV	Kevo	123.52	348	PFAKE	LR	11 16 50.0	+9.5
APA	Apatty	123.83	345	PFAKE	LR	11 16 31.2	
ARCES	ARCES Array B	123.99	349	PKP	PKP	11 16 41.8	+0.3
BGGH	Gun Hill	124.16	85	PFAKE	LR	11 17 00.0	+17
BDFB	Brasilia	124.49	122	PKP	PKP	11 16 43.3	-0.9
BDFB	Brasilia	124.49	122	PKIKP	PKP	11 16 43.3	-0.9
KLMR	Klimovskoe	126.48	336	ePKIKP	PKP	11 16 45.3	-1.1
KLMR	Klimovskoe	126.48	336	ePKP	AMP	11 16 45.4	-1.0
KLMR	Sutherland	127.13	204	ePP	PFAKE	11 17 00.0	+11
BORG	Borgarnes	129.65	11	PFAKE	LR	11 17 00.0	+7.6
MAK	Makhachkala	130.39	313	iP	Pdif	11 13 38.5	-5.7
MAK	MAK	130.39	313	e	MLR	11 19 0	

8d 11h

Table with columns: BRG, comp, N, J, m, 26.8s, SS, SS, 11 39 12.0 +7.7, etc. Lists various astronomical objects and their properties.

2012 AUG

Table with columns: SHELL, LR, LR, comp, 2.598nm, 21.0s, AOS, Alonnissos, 147.92 321, etc. Lists astronomical objects with specific parameters.

360

Table with columns: s-maj=24.4km, s-min=17.1km, az=126.0, ISCJB 08 11:05:32.7, etc. Lists astronomical objects with detailed orbital and observational data.

Table with columns: WRA, PKKP, PKKPbc, 11 55 43.6 +1.0, TXAR, Lajitas Array, 108.92 295, PKIKP, PKIKP, 11 44 09.7 -0.3, SDCO, Great Sand Dune, 116.74 299, PKP, PKP, 11 44 25.0 +0.1, S22A, 4UR Ranch, Cre, 117.35 298, P, PKP, 11 44 26.4 +0.3, MVCO, Mesa Verde, 117.69 296, P, PKP, 11 44 26.7 0.0, PMDCI, Parker Dam, Lak, 118.49 290, P, PKP, 11 44 27.4 +0.3, IRM, Iron Mountain, 118.41 289, P, PKP, 11 44 27.3 -0.6, ISCO, Idaho Springs, 118.46 300, P, PKP, 11 44 28.4 +0.3, PFO, Pinyon Flats O, 118.62 288, P, PKP, 11 44 29.1 +0.7, BFLC, Belle Mtn. Jos, 118.71 289, P, PKP, 11 44 29.1 +0.5, BBRC, Big Bear Solar, 119.37 288, P, PKP, 11 44 30.7 +0.7, N23A, Red Feather La, 119.49 301, P, PKP, 11 44 29.9 -0.2, G2AO, White River Ci, 119.92 299, P, PKP, 11 44 30.3 -0.5, OSCO, Goldstone, Bar, 120.15 289, P, PKP, 11 44 31.5 +0.3, EDWC, Edwards Ar Fo, 120.40 288, P, PKP, 11 44 32.1 +0.3, MPMC, Manual Prospec, 121.10 298, P, PKP, 11 44 33.6 +0.4, FURCA, Furnace Creek, 121.10 290, P, PKP, 11 44 33.3 +0.4, K22A, Casper, 121.16 302, P, PKP, 11 44 31.8 -1.3, TPNV, Topopah Spring, 121.18 291, P, PKP, 11 44 34.2 +0.9, RSSD, Black Hills, 121.25 304, ePKP, 11 44 32.8 -0.5, RSSD, Black Hills, 121.25 304, P, PKP, 11 44 33.2 0.0, ISA, Isabella, Lake, 121.26 288, P, PKP, 11 44 34.1 +0.8, CWC, Cottonwood Cre, 121.68 289, P, PKP, 11 44 34.9 +0.7, VESL, Vestal, Richgr, 121.70 288, P, PKP, 11 44 34.0 -0.1, GRAC, Grapevine Rang, 121.77 290, P, PKP, 11 44 34.7 +0.5, R11A, Troy Canyon, C, 121.96 292, P, PKP, 11 44 35.4 +0.6, DUG, Dugway, Toeele, 121.99 295, P, PKP, 11 44 35.4 +0.5, HFS, Haglors, 122.40 22, P, PKP, 11 44 33.4 -1.2, PDAR, Pinedale Array, 122.61 300, PKP, 11 44 35.2 -0.7, HWUT, Hardware Ranch, 122.62 297, ePKP, 11 44 36.1 +0.2, NB2, NORSAR Subaru, 122.70 280, PKP, 11 44 35.0 -0.4, NOA, NORSAR Array B, 122.78 280, PKP, 11 44 35.2 -0.2, ULM, Lac du Bonnet, 122.89 314, PKP, 11 44 34.0 -1.9, CMAR, Chiang Mai Arr, 123.16 110, PKP, 11 44 37.3 -0.1, NVAR, Mina Array Bea, 123.20 290, P, PKP, 11 44 38.5 +1.0, CMB, Columbia Colle, 124.07 288, ePKP, 11 44 39.2 +0.6, LAO, LASA Array, 124.22 305, P, PKP, 11 44 38.7 +0.1, LAO, LASA Array, 124.22 305, P, PKP, 11 44 38.9 +0.3, RLMT, Red Lodge, 124.33 302, P, PKP, 11 44 38.8 -0.3, DGMT, Dagmar, 124.76 307, P, PKP, 11 44 39.9 +0.3, HLID, Halley, 125.47 297, ePKP, 11 44 41.6 +0.3, HLID, Halley, 125.47 297, P, PKP, 11 44 42.3 +0.9, BOZ, Bozeman (W), 125.75 300, P, PKP, 11 44 42.0 +0.1, FINES, Fines Array B, 126.29 28, PKP, 11 44 41.9 -0.1, O03D, Paynes Creek, 126.51 289, P, PKP, 11 44 43.7 +0.4, FRB, Froisher Bay, 126.54 308, PKP, 11 44 42.4 0.0, EGM, EagleTern, 126.78 303, P, PKP, 11 44 43.1 -0.4, N02D, Trinity Center, 127.47 289, P, PKP, 11 44 46.5 +1.4, BMO, Blue Mountains, 127.80 296, ePKP, 11 44 45.8 +0.1, M02C, Callahan, 127.86 289, P, PKP, 11 44 46.6 +0.8, YBH, Yreka Blue Hor, 128.05 290, PKP, 11 44 45.8 -0.4, AKTO, Aktyubinsk, 128.10 54, PKP, 11 44 45.6 -0.3, L04D, Klamath Falls, 128.21 290, P, PKP, 11 44 46.7 +0.1, J05D, Fort Rock, OR, 128.49 292, P, PKP, 11 44 47.5 +0.4, L02D, Cave Junction, 128.81 289, P, PKP, 11 44 48.8 +1.3, HUMO, Hull Mountain, 128.82 290, ePKP, 11 44 47.9 +0.4, J04D, Umpqua Nationa, 128.88 291, P, PKP, 11 44 49.0 +1.1, K02D, Willamette Mer, 129.24 290, P, PKP, 11 44 49.2 +0.8, I05D, Terrebonne, OR, 129.33 293, P, PKP, 11 44 49.8 +1.3, I04A, Tendick Farm, 129.44 291, P, PKP, 11 44 49.2 +0.5, I04D, Drain, 129.83 291, P, PKP, 11 44 49.9 +0.6, B05A, Bryant, 132.54 296, P, PKP, 11 44 55.0 +0.6, ARCES, ARCESS Array B, 133.06 22, PKP, 11 44 54.8 0.0, BVAR, Borovoye Array, 135.39 59, PKP, 11 44 59.8 +0.4, KURBB, Kurchatov Arr, 137.48 66, PKP, 11 45 01.8 -1.9, KURK, Kurchatov, 137.66 66, PKP, 11 45 01.8 -1.9, YKA, Yellowknife Ar, 138.84 315, PKP, 11 45 06.4 +0.8, ZALV, Zalesovo Beam, 142.58 66, PKP, 11 45 08.1, INK, Inuvik, 148.51 317, PKPbc, 11 45 25.9 -0.2, DAWY, Dawson, 149.32 308, ePKP, 11 45 27.9 -0.4, DAWY, Dawson, 149.32 308, PKP, 11 45 27.9 -0.4, SONM, Songo Array, 149.79 90, PKP, 11 45 30.0 0.0, EGAK, Eagle, 150.28 309, ePKP, 11 45 30.6 +0.1, TLY, Talaya, 150.66 81, ePKP, 11 45 26.3 0.0, WARR, Warrungarra Arr, 151.77 90, PKP, 11 45 31.7 -0.1, YKA, Yellowknife Ar, 138.84 315, PKP, 11 45 06.4 +0.8, KSRS, Korea Array, 152.51 129, PKPbc, 11 45 36.7 +0.2, ILAR, Eielson Array, 152.51 129, PKP, 11 45 36.7 +0.2, ILAR, Eielson Array, 152.51 129, PKPbc, 11 45 35.9 -0.1, KDOK, Kodiak Island, 152.85 291, PKPbc, 11 45 36.6 +0.1, PETK, Petropavlovsk, 174.11 198, PKPbc, 11 47 20.3 -0.7

IDC 08 11:27:51.1.3.2, 16355x178.14E, h0km, mb3.6/4, mb1.4/0.4, mb1mx3.6/4, MS4.4/1, Ms1.4/4.1, ms1mx3.4/2, Error ellipse: s-maj=175.8km, s-min=27.3km, az=149.0, Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC
WRA	Rata Peaks	27.94 191	LR	LR	11 43 06.9		
WRA	Warrungarra Arr	151.77 90	P	P	11 35 42.1 +0.1		
ASAR	Alice Springs	42.07 253	P	P	11 35 44.9 -0.2		
NVAR	Mina Array Bea	123.20 290	P	P	11 40 07.1 +0.9		

ILAR Eielson Array 85.16 12 P P 11 40 28.0 -0.8

ISCJB 08 11:35:09.2.1.2, 39.83N:0.07:143.6E:0.1, h6km, mb3.8/4, Error ellipse: s-maj=16.7km s-min=7.3km az=23.6

JMA 08 11:35:12.2.0.3, 39.88N:143.40E, h2km, MB3.6, IDC 08 11:35:16.3.3.9, 39.86N:143.52E, h5km, mb3.1/m, mb3.6/4, mb1.3/0.6, mb1mx3.2/0.1, mb1mx3.7/6, ML3.2/12, Error ellipse: s-maj=53.5km s-min=29.4km az=82.0

ISC 08 11:35:11.4.1.3, 39.88N:0.07:143.3E:0.1, h6km, n17, e138/18, mb3.8/4, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC
JTH	Tanohata	1.12 274	P	Pn	11 35 33.4 -0.3		
MIYJ	Miyakonagasawa	1.20 256	P	Pn	11 35 34.7 0.0		
JANG	Nango	1.47 290	P	Pn	11 35 38.6 +0.1		
JOM	Ohasama	1.62 256	P	Pn	11 35 41.4 +0.9		
JMK	Ichinoseki	1.87 241	P	Pn	11 35 44.4 +0.4		
JTM	Tenmabayashi	1.95 299	P	Pn	11 35 46.2 +1.2		
JIO	Ouri	2.09 228	P	Pn	11 35 46.6 -0.4		
JOT	Ohata	2.20 230	P	Pn	11 35 50.8 +1.0		
JNBK	Urakawa-nobuka	2.44 300	P	Pn	11 35 53.1 +1.3		
JYK	Kayenama	2.49 248	P	Pn	11 35 53.5 +1.0		
JCH	Churui	2.74 311	P	Pn	11 35 56.1 +0.2		
JCH	Churui	2.74 311	P	Sn	11 36 27.3 -1.9		
ASAJ	Asahikawa	4.27 353	eS	Pn	11 36 19.1 +2.2		
MJMS	Matsushiro Arr	5.22 232	P	Pn	11 36 35.3 +3.4		
SONM	Songo Array	27.58 299	P	P	11 40 59.1 -0.3		
MKAR	Makanchi Array	43.94 300	P	P	11 43 19.5 +0.5		
KURBB	Kurchatov Arr	45.96 306	P	P	11 43 31.7 +0.4		
WRA	Warrungarra Arr	151.77 90	P	P	11 45 18.1 -1.4		

NIED 08 11:35:00.39.80N:143.40E, h11km, Mw4.4 Best double couple: M4.67000x1015 NP1.8x269.00000, 37.00000, 7.153.00000, NP2.0x25.00000, 387.00000, 8.4.00000, ISCJB 08 11:35:29.0.0.5, 39.80N:0.04:143.49E:0.05, h6km, mb4.1/1.7, Error ellipse: s-maj=6.0km s-min=4.2km, az=42.6

NEIC 08 11:35:30.7.0.7, 39.79N:143.59E, h10km, mb4.4/2, Error ellipse: s-maj=13.0km s-min=8.3km az=120.0

JMA 08 11:35:31.2.0.3, 39.82N:143.39E, h11km, M4.4, IDC 08 11:35:36.0.2.2, 39.81N:143.41E, h49km, 19km, mb3.8/13, mb1.4/0.17, mb1mx3.7/82, mbtmp4.0/17, ML3.1/4, Error ellipse: s-maj=20.1km s-min=13.6km az=107.0

ISC 08 11:35:30.6.0.7, 39.81N:0.05:143.43E:0.06, h6km, n44, e1942/44, mb4.1/1.7, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC
JTH	Tanohata	1.21 277	eS	Sg	11 36 07.9 -1.5		
MIYJ	Miyakonagasawa	1.26 260	P	Pg	11 35 54.6 -0.1		
JANG	Nango	1.57 292	eS	Sn	11 36 09.9 -1.2		
JOM	Ohasama	1.68 259	eS	Sn	11 36 18.5 -1.2		
JMK	Ichinoseki	1.91 244	eS	Sn	11 36 29.4 +1.4		
JTM	Tenmabayashi	2.05 299	P	Pn	11 36 06.0 +0.4		
JIO	Ouri	2.10 231	P	Pn	11 36 31.8 +0.3		
JAH	Hinai	2.18 281	P	Pn	11 36 05.8 +0.8		
JER	Erimo	2.22 316	Pn	Pn	11 36 07.2 -0.7		
JEM	Erimo	2.22 316	P	Pn	11 36 34.8 -0.8		
JOT	Ohata	2.40 232	P	Pn	11 36 10.8 +0.4		
JNBK	Urakawa-nobuka	2.52 349	eS	Pn	11 36 42.6 -0.5		
JYK	Kayenama	2.76 320	P	Pn	11 36 17.6 +2.3		
ASAJ	Asahikawa	4.35 352	eS	Pn	11 36 37.6 +0.3		
ASAJ	Asahikawa	4.35 352	eS	Sn	11 37 29.7 +1.5		
MAJO	Matsushiro	5.25 233	ePn	Pn	11 36 51.3 +1.8		
MAT	Matsushiro	5.25 233	P	Pn	11 36 51.2 +1.6		
MAT	Matsushiro	5.25 233	P	Sn	11 37 48.7 -1.7		
MJAR	Matsushiro Arr	5.25 233	P	Pn	11 36 51.1 +1.6		
YSS	Yuzuki Islands	7.16 356	ePn	Pn	11 37 17.0 +1.2		
USRK	Ussuriysk Arr	9.58 301	P	Pn	11 37 51.4 +2.7		
MSJ	Mudanjiang	11.32 300	ePn	Pn	11 38 15.1 +2.2		
KDR	Korea Array	12.35 264	eP	Pn	11 38 30.7 +3.8		
KSAR	Wonju Array Be	12.38 264	P	Pn	11 38 30.7 +3.3		
KLR	Kul'dur	12.56 322	P	Pn	11 38 38.3 +8.5		
MA2	Magan	20.33 114	eP	Pn	11 40 08.2 +1.0		
SEY	Seymchan	23.78 10	P	P	11 40 43.4 -0.2		
YAK	Yakutsk	23.78 344	eP	P	11 40 42.8 -0.8		
ULN	Ulaanbaatar	27.24 299	eP	P	11 41 15.1 -0.4		
SONM	Songo Array	27.58 299	P	P	11 41 18.9 -0.5		
H1N2	WAKE ISLAND Hy	28.41 128	T	T	12 12 31.4		
H1N1	WAKE ISLAND Hy	28.42 128	T	T	12 12 27.4		
H1N3	WAKE ISLAND Hy	28.42 128	T	T	12 12 37.6		
ENH	Enshi	29.22 262	eP	P	11 41 32.0 -1.2		
ZALV	Zalesovo Beam	41.28 310	P	P	11 43 16.2 -0.2		
MKAR	Makanchi Array	44.04 300	P	P	11 43 38.8 -0.3		
KURK	Kurchatov	45.96 306	P	P	11 43 50.1 -0.5		
KURBB	Kurchatov Arr	45.96 306	P	P	11 43 50.6 -0.7		
ILAR	Eielson Array	46.31 34	P	P	11 43 57.0 +0.2		
BVAR	Borovoye Array	49.31 311	P	P	11 44 24.8 0.0		
WRA	Warrungarra Arr	60.04 190	P	P	11 45 37.3 -1.0		
ASAR	Alice Springs	67.77 190	P	P	11 46 03.0 -0.3		
KBZ	Khabaz	70.29 311	P	P	11 46 44.9 +0.2		
NVAR	Mina Array Bea	72.06 55	P	P	11 46 56.0 0.0		
NOA	NORSAR Array B	72.23 338	P	P	11 46 53.8 -2.4		
TXAR	Lajitas Array	87.19 54	P	P	11 48 19.8 +1.7		

CASC 08 11:41:45.2.1.0, 11.77N:87.49W, h16km, 5km, ML3.5, Near coast of Nicaragua

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC
COPN	Copaltepe	0.97 65	Op	ISC	11 42 04.2 -1.0		
CNGN	Cerro Negro	1.06 47	eP	Sb	11 42 19.0 +0.1		
CNGN	Cerro Negro	1.06 47	eP	IAML	11 42 26.0		
MOMI	Momombo	1.13 56	eP	Pb	11 42 04.9 -1.4		
APYN	Apoyeque	1.21 68	eP	Pb	11 42 06.4 -1.0		
MGAN	Managua	1.27 73	eP	Sn	11 42 07.8 -0.6		
MGAN	Managua	1.27 73	eP	Sn	11 42 25.2 +0.1		
LCND	La Ca'ada	1.58 346	eP	Pn	11 42 11.7 -0.9		
LCND	La Ca'ada	1.58 346	eP	IAML	11 42 35.4		
ESTN	Estel	1.72 40	eP	Pn	11 42 13.8 -0.7		
CONN	Concepcion	1.84 96	eP	Pn	11 42 16.2 0.0		
PACA	Pacayal	1.87 334	eP	Sn	11 42 19.9 +0.2		
PACA	Pacayal	1.87 334	eP	Sn	11 42 40.9 +0.8		
PACA	Pacayal	1.87 334	eP	IAML	11 42 49.1		
BOAB	BOAC BOADBAN	91 69	eP	Pn	11 42 16.2 -0.9		
BOAB	BOAC BOADBAN	91 69	eP	Sn	11 42 40.8 0.0		
MATN	Matagalpa	1.92 53	eP	Pn	11 42 16.3 -0.9		
TECA	Teapapa	1.98 370	eP	Pn	11 42 17.9 -0.3		

RCON San Juan de Ri 2.15 37 eP Pn 11 42 20.2 -0.3

RCON San Juan de Ri 2.15 37 eS Sn 11 42 48.2 +1.4

LFRS El Faro 2.40 320 eP Sn 11 42 24.7 +0.8

IDC 08 11:43:55.2.0.7, 0.27S: 125.13E, h0km, mb4.2/13, mb1.4/2.14, mb1mx4.0/58, mbtmp4.1/14, ML3.6/1, Error ellipse: s-maj=35.0km s-min=15.3km az=76.0

ISCJB 08 11:44:00.2.0.0.5, 0.32S:0.07:125.0E:0.1, h52km, mb4.2/16, Error ellipse: s-maj=16.2km s-min=8.7km az=165.5

NEIC 08 11:44:00.5.0.3, 0.28S: 125.22E, h35km, mb4.5/1, Error ellipse: s-maj=17.9km s-min=6.6km az=80.0

ISC 08 11:44:02.3.0.6, 0.34S:0.09:125.0E:0.1, h52km, n23, e1916/24, mb4.2/16, Southern Molucca Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	h m s	ISC
SIUI	Sorong	6.27 95	Op	ISC	11 45 33.8 +1.5		
FITZ	Fitzroy Crossi	17.66 178	P	Pn	11 48 03.9 -0.8		
MBWA	Marble Bar	21.33 194	eP	P	11 48 46.5 +1.5		
WRA	Warrungarra Arr	21.52 155	P	P	11 48 45.6 -1.5		
ASAR	Alice Springs	24.74 160	P	P	11 49 19.4 +0.3		
ASAR	Alice Springs	24.74 160	P	PcP	11 52 55.9 +0.8		
JOW	Junigami	27.20 6	P	P	11 49 44.1 +2.9		
CJAO	Charters tower	28.59 135	eP	P	11 49 53.0 -0.8		
KSAR	Wonju Array Be	37.69 4	P	P	11 51 12.1 -0.6		
KSRS	Korea Array	37.70 4	P	P	11 51 12.1 -0.7		
MAT	Matsushiro	38.69 17	P	P	11 51 19.9 -1.3		
MJAR	Matsushiro Arr	38.69 17	P	P	11 51 20.1 -1.1		
USRK	Ussuriysk Arr	44.78 7	eP	P	11 52 11.2		

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Alice Springs, Guam, Fitzroy Crossi, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Iron Mountain, Turquoise Moun, Lebanon, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like Eielson Array, Eielson Array, Chiang Mai Arr, etc.

DDA 08 12:24:30.8, 38°76N-43°56E, h15km, M13.3
ISK 08 12:24:31.8, 38°80N-43°52E, h5km, M13.4/5
ISCJB 08 12:24:31.0, 38°78N-43°55E, h6km, gkm,
Error ellipse: s-maj=4.3km s-min=3.0km az=137.4
AZER 08 12:24:33.0, 38°78N-43°41E, h25km, 108km, m13.9/9,
Error ellipse: s-maj=82.9km s-min=18.5km az=63.0
ISC 08 12:24:31.1, 1.0, 38°81N-02°43'49E, h13km, 8km,
n53, c111/69, 6C-10D, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VMUR Van-Muradiye, VANB Van, TVAN Van, etc.

IDC 08 12:24:44.1±1.1, 16.31Sx177.98E, h0km, mb3.7/5, mb1 4.0/5, mb1mx3.7/48, mbtmp3.7/5, MS3.9/1, Ms1 3.9/1, Error ellipse: s-maj=148.0, s-min=27.3km az=148.0, Fiji Islands

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

IDC 08 12:35:02.8±1.4, 0.09S; 125.45E, h0km, mb3.8/5, mb1 3.9/6, mb1mx3.6/52, mbtmp3.8/6, ML3.4/1, MS3.3/1, Ms1 3.3/1, ms1mx2.7/59, Error ellipse: s-maj=120.3km s-min=19.2km az=67.0

ISCJB 08 12:35:09.1±0.6, 0.24S; 0.07x125.12E±0.06, h49km, mb3.8/5, MS3.2/1, Error ellipse: s-maj=10.5km s-min=8.1km az=9.8

DJA 08 12:35:11.3±0.5, 0.5S; 12.5E, h50km, 21km, M4.2/13, mb4.6/22, mb4.4/4, ML4.1/13, MW16/3.8/2

ISC 08 12:35:10.1±0.9, 0.18S; 0.08x125.16E±0.06, h49km, n18, s182/17, mb4.1/5, Southern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSI Cibirong, SANSI Sanana, LBMI Labuha, etc.

IDC 08 12:49:19.7±7.4, 7.11N; 126.36E, h32km, 52km, mb3.6/6, mb1 3.7/6, mb1mx3.4/58, mbtmp3.7/6, Error ellipse: s-maj=78.3km s-min=17.4km az=65.0

ISCJB 08 12:49:22.1±0.5, 6.94N; 0.04x126.03E±0.05, h66km, 50km, mb3.6/6, Error ellipse: s-maj=82.5km s-min=6.6km az=20.8

MAN 08 12:49:22.2±6.92N; 126.02E, h44km, mb5.0, ML4.0, MS4.0, ISC 08 12:49:23.6±0.9, 6.92N; 0.04x126.03E±0.05, h64km, 7km, n17, s186/26, mb3.7/6, 4D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MATI Mati, DAV Davao City (W), DMPH Davao City-Mi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSPH Bagumbayan, Su, SKMP Bagumbayan, Su, CGP Cagayan de Oro, etc.

ISK 08 12:55:05.8, 38.66'N; 43.16E, h5km, ML3.5/5, DDA 08 12:55:06.8, 38.67'N; 43.21E, h20km, M13.4, ISC 08 12:55:07.1±0.9, 38.67'N; 0.02x43.18E±0.02, h16km, 8km, n35, s097/44, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, GEVA Gevas, etc.

IDC 08 12:55:52.8±2.9, 3.27N; 93.03E, h0km, mb3.3/3, mb1 3.5/4, mb1mx3.3/72, mbtmp3.3/4, ML4.0/1, Error ellipse: s-maj=107.2km s-min=20.0km az=58.0

ISCJB 08 12:55:55.9±1.0, 3.24N; 0.10x93.02E±0.07, h33km, mb3.3/3, Error ellipse: s-maj=14.6km s-min=8.8km az=24.7

DJA 08 12:56:04.7±1.0, 3.3N; 5.9E, h55km, M4.4/7, mb5.4/1, mb4.9/1, MLV4.2/7, MW(6)4.8/1, ISC 08 12:55:57.1±1.5, 3.1N; 0.1x93.0E±1.1, h35km, n11, s160/15, mb3.4/3, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNSI Sinabang, ACEH Meulaboh, etc.

DDA 08 13:02:28.9, 40.42N; 28.63E, h23km, M13.4, ISC 08 13:02:29.1, 40.44N; 28.63E, h6km, ML3.5/19, ISC 08 13:02:29.3±0.9, 40.42N; 0.02x28.63E±0.02, h16km, 8km, n57, s0617/0, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MDNY Mudanya-Bursa, KNDY Karacabey, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DEMI Demirci, LPK Lupseki, GULT Gulveren, etc.

SOME 08 13:05:15.0, 44.65N; 82.15E, h15km, NNC 08 13:05:16.8±1.2, 44.68N; 82.10E, h0km, mb3.3, mpv2.9, Error ellipse: s-maj=15.9km s-min=4.6km az=118.0, ISC 08 13:05:14.1±2.6, 44.65N; 0.06x82.19E±0.09, h2km, 19km, n9, s098/18, 3C-2D, Northern Xinjiang

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

ISCJB 08 13:05:41.0±1.0, 19.5S; 0.2x174.8W±0.1, h10km, mb4.4/6, Error ellipse: s-maj=26.5km s-min=17.0km az=147.0, NEIC 08 13:05:42.7±0.9, 19.53S; 174.69W, h10km, mb4.3/3, Error ellipse: s-maj=26.5km s-min=15.6km az=149.0

ISC 08 13:05:43.8±9.3, 18.93S; 175.33W, h0km, mb3.9/3, mb1 4.2/3, mb1mx3.7/46, mbtmp3.9/3, MS3.2/1, Ms1 3.3/2, ms1mx3.0/44, Error ellipse: s-maj=42.6km s-min=37.6km az=143.0

ISC 08 13:05:42.4±1.2, 19.5S; 0.2x174.6W±0.2, h10km, n15, s179/13, mb4.3/3, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, FUNA Funafuti, DZM Mont Dzumac, etc.

IDC 08 13:17:16.7±2.3, 16.34S; 177.48W, h0km, mb3.8/3, mb1 4.2/3, mb1mx3.6/49, mbtmp3.8/3, MS3.6/7, Ms1 3.6/7, ms1mx3.3/45, Error ellipse: s-maj=135.8km s-min=33.4km az=149.0

NEIC 08 13:17:18.1±1.0, 16.24S; 177.59W, h10km, mb4.2/1, Error ellipse: s-maj=58.5km s-min=16.2km az=149.0, ISCJB 08 13:17:20.4±1.3, 16.3S; 0.5x177.6W±0.3, h33km, mb3.9/4, MS3.4/3, Error ellipse: s-maj=80.4km s-min=20.2km az=150.6

ISC 08 13:17:22.0±1.8, 16.2S; 0.7x177.6W±0.4, h35km, n20, s066/9, mb4.0/4, MS3.5/3, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, RAO Raoul Island, DZM Mont Dzumac, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Penticon, Tradedollar La, Longmire, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like Resolute Bay, Resolute Bay, Dillon, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ARVC Arvin, SBC Santa Barbara, YUK Yuzh-Kuril'sk, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like W43A Windswept, Lux, W43A Windswept, Lux, J41A Columbus, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like S40A Lebanon, HHAR Hobbs, R41A Rosebud, HP1G, Q42A Golden Eagle, etc.

Table with columns: ID, Name, Time, Date, Location, and other details. Includes entries like W41B Gary Maity, W41B Gary Maity, V42A Cord, R45A Skylar, etc.

8d 14h

W45A	Hickory Valley	52.15	81	P	P	14 14 23.0	-0.4
R49A	Shelbyville	52.20	75	P	P	14 14 22.8	-1.0
WVT	Waverly	52.23	79	eP	P	14 14 23.6	-0.4
WVT	Waverly	52.23	79	eP	P	14 14 23.7	-0.2
241A	Mo Tay, Golden	52.27	86	eP	P	14 14 24.6	+0.3
241A	Mo Tay, Golden	52.27	86	P	P	14 14 25.0	+0.7
V46A	Holladay	52.30	79	P	P	14 14 24.3	-0.2
U47A	Clarksville	52.32	78	P	P	14 14 24.3	-0.2
T48A	Bowling Green	52.35	77	P	P	14 14 24.2	-0.6
DL2	Dalian	52.36	286	P	S	14 14 24.9	+0.1
DL2				eS	P	14 21 49.4	+2.4
DL2	comp=Z,30nm,0.8s				LR		
DL2	comp=Z,360nm,23.0s				LR		
DL2	comp=Z,420nm,23.4s				LR		
DL2	comp=Z,420nm,28.3s				LR		
Z43A	Armstrong Fami	52.38	84	P	P	14 14 24.9	-0.2
ERPA	Erie	52.38	68	eP	P	14 14 24.6	-0.4
ERPA	Erie	52.38	68	P	P	14 14 24.8	-0.2
Y44A	Strider, Charl	52.42	83	P	P	14 14 25.2	-0.2
142A	Monroe	52.45	85	P	P	14 14 26.0	+0.4
Q50A	Georgetown	52.48	74	P	P	14 14 25.1	-0.7
OXF	Oxford	52.49	82	eP	P	14 14 25.4	-0.4
OXF	Oxford	52.49	82	eP	P	14 14 25.5	-0.4
OXF	comp=Z,510nm,1.0s				LR		
OXF	comp=Z,510nm,1.0s				LR		
OXF	comp=Z,510nm,1.0s				LR		
S49A	Springfield	52.49	76	P	P	14 14 24.9	-1.0
X45A	UN Field Stati	52.56	82	P	P	14 14 25.8	-0.6
V47A	Nunnally	52.62	79	P	P	14 14 26.4	+0.5
ALLY	Alleghey Colle	52.62	69	eP	P	14 14 26.3	-0.5
W46A	Michie	52.63	80	P	P	14 14 26.5	-0.4
341A	Kurthwood	52.63	87	eP	P	14 14 27.1	+0.1
341A	Kurthwood	52.63	87	P	P	14 14 27.4	+0.5
143A	Socs Landing,	52.65	85	eP	P	14 14 27.2	+0.1
143A	Socs Landing,	52.65	85	P	P	14 14 27.4	+0.4
R50A	Paris	52.68	75	P	P	14 14 26.6	-0.7
TLY	Talaya	52.69	309	eP	P	14 14 27.8	+0.7
TLY	Talaya	52.69	309	eP	P	14 14 27.6	+0.4
TLY	comp=Z,11nm,1.0s				LR		
TLY	comp=Z,10nm,1.0s				LR		
242A	Grayson	52.69	86	P	P	14 14 27.5	+0.1
U48A	Cassie Pea, Po	52.69	78	P	P	14 14 27.3	-0.1
Q51A	Peebles	52.70	73	P	P	14 14 26.9	-0.6
Z44A	Pea Ridge, Bel	52.79	83	P	P	14 14 27.7	-0.4
T49A	Edmonton	52.84	76	eP	P	14 14 27.6	-0.8
T49A	Edmonton	52.84	76	P	P	14 14 27.7	-0.8
IVI	Ivigtut	52.85	34	P	P	14 14 28.8	+0.7
Y45A	Yeager Farm,	52.88	82	P	P	14 14 28.5	-0.3
PLAL	Pickwick Lake	52.91	80	eP	P	14 14 28.2	-0.8
X46A	Booneville	52.93	81	P	P	14 14 28.6	-0.5
M54A	Oil Creek Stat	52.98	69	eP	P	14 14 28.7	-0.7
M54A	Oil Creek Stat	52.98	69	P	P	14 14 28.9	-0.6
JMIC	Jan Mayen	52.99	11	LR	LR	14 40 30.0	
W47A	Westpoint	52.99	80	P	P	14 14 29.1	-0.5
441A	DeRidder	53.05	88	P	P	14 14 30.9	+0.8
S50A	Richmond	53.07	75	P	P	14 14 29.5	-0.6
MMNV	Mt. Morris Dam	53.07	66	eP	P	14 14 29.5	-0.6
R51A	Hillsboro	53.08	74	P	P	14 14 30.1	-0.2
V48A	Smith Brothers	53.08	79	eP	P	14 14 29.3	-0.9
V48A	Smith Brothers	53.08	79	P	P	14 14 29.6	-0.7
342A	Flagon Creek P	53.09	86	eP	P	14 14 31.0	+0.6
342A	Flagon Creek P	53.09	86	P	P	14 14 30.9	+0.5
U49A	Red Boiling Sp	53.12	77	P	P	14 14 30.0	-0.6
Z45A	Winona	53.15	83	eP	P	14 14 30.0	-0.8
Z45A	Winona	53.15	83	P	P	14 14 30.4	-0.4
N54A	Moraine State	53.19	69	eP	P	14 14 30.0	-1.0
N54A	Moraine State	53.19	69	P	P	14 14 30.2	-0.8
243A	Waterproof	53.21	85	P	P	14 14 31.6	+0.4
Y46A	Houston	53.26	82	P	P	14 14 31.2	-0.4
144A	Alexander Plac	53.27	84	P	P	14 14 31.8	+0.1
T50A	Nancy	53.29	76	P	P	14 14 31.1	-0.6
X47A	Russellville	53.37	80	P	P	14 14 31.3	-1.1
W48A	Pulaski	53.45	79	P	P	14 14 32.2	-0.8
LONY	Lake Ozonia	53.49	62	eP	P	14 14 32.1	-1.0
LONY	Lake Ozonia	53.49	62	P	P	14 14 32.2	-0.9
VBMS	Vicksburg	53.52	84	eP	P	14 14 33.5	0.0
VBMS	Vicksburg	53.52	84	P	P	14 14 33.6	+0.2
442A	Mamou	53.52	87	P	P	14 14 34.4	+1.0
S51A	Beattyville	53.55	75	eP	P	14 14 32.5	-1.2
S51A	Beattyville	53.55	75	P	P	14 14 32.9	-0.8
244A	Avery, Jackson	53.55	85	P	P	14 14 34.0	+0.3
541A	Lake Charles	53.56	88	P	P	14 14 34.8	+1.0
145A	Houston Renfro	53.57	84	P	P	14 14 33.7	-0.2
R52A	Cattlettsburg	53.58	73	P	P	14 14 33.0	-0.9
V49A	McMinn	53.58	78	P	P	14 14 33.3	-0.6
Z46A	Louisville	53.71	82	P	P	14 14 34.5	-0.4
U50A	Jamestown	53.72	77	P	P	14 14 34.2	-0.8
ULN	Ulanbataar	53.74	303	eP	P	14 14 34.9	-0.2
ULN	Ulanbataar	53.74	303	eP	P	14 14 34.8	-0.3
ULN	comp=Z,7.0nm,1.0s				LR		
ULN	comp=Z,279nm,20.0s				MLR		

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ZAIG	Zacatecas	53.74	102	eP	P	14 14 35.4	-0.2
ZAK	Zakamensk	53.76	308	eP	P	14 14 35.6	+0.5
ZAK	comp=Z,18nm,0.9s				pmax		
S52A	Salversley	53.80	74	P	P	14 14 34.9	-0.7
Y47A	UCPARC, Winfie	53.82	81	P	P	14 14 35.1	-0.6
T51A	Gray	53.83	75	P	P	14 14 35.0	-0.8
W49A	Belvidere	53.84	79	P	P	14 14 34.9	-0.9
FRNY	Flat	53.85	62	eP	P	14 14 34.4	-1.3
LNIG	Linares	53.85	98	eP	P	14 14 34.6	-1.4
443A	Delano Plantat	53.86	87	P	P	14 14 36.9	+0.9
X48A	Hartselle	53.88	80	eP	P	14 14 34.7	-1.5
X48A	Hartselle	53.88	80	P	P	14 14 35.0	-1.1
542A	Morse	53.88	88	P	P	14 14 37.3	+1.2
344A	Westbrook Farm	53.95	85	eP	P	14 14 36.9	+0.2
344A	Westbrook Farm	53.95	85	P	P	14 14 37.2	+0.5
SWET	Sevanee	53.96	78	eP	P	14 14 35.3	-1.5
245A	Little AP, Sta	54.01	84	P	P	14 14 36.8	-0.3
146A	Union	54.05	83	eP	P	14 14 36.9	-0.4
146A	Union	54.05	83	P	P	14 14 37.2	-0.1
SONAT	Songino Array	54.07	304	eP	P	14 14 37.8	+0.3
SONM	Songino Array	54.08	304	P	P	14 14 37.8	+0.2
SONM	comp=Z,35nm,0.9s,baz=61,slo=1.7,SNR=18				ScP		
SONM	comp=Z,1.1nm,0.7s,baz=62,slo=3.4,SNR=3.1				LR		
SONM	comp=Z,491nm,19.8s,baz=44,slo=38				LR		
V50A	Pikeville	54.10	77	P	P	14 14 36.9	-0.8
NCB	Newcomb	54.13	63	eP	P	14 14 37.3	-0.5
MCWV	Mont Chateau	54.18	70	eP	P	14 14 37.4	-0.9
MCWV	Mont Chateau	54.18	70	P	P	14 14 37.5	-0.7
Y48A	Jasper	54.20	80	P	P	14 14 37.2	-1.3
Z47A	Carlisle	54.20	82	P	P	14 14 37.8	-0.7
U51A	La Follette	54.21	76	P	P	14 14 37.8	-0.7
X49A	Woodville	54.25	79	P	P	14 14 37.9	-0.9
T52A	Hallie	54.26	75	P	P	14 14 38.6	-0.3
W50A	Signal Mountai	54.33	78	eP	P	14 14 38.3	-1.1
W50A	Signal Mountai	54.33	78	P	P	14 14 38.8	-0.8
TZTN	Tazewell	54.35	76	eP	P	14 14 38.8	-0.8
TZTN	Tazewell	54.35	76	P	P	14 14 39.0	-0.6
Z48A	Northport	54.37	81	P	P	14 14 38.6	-1.1
V51A	Loudon	54.43	77	eP	P	14 14 39.0	-1.1
V51A	Loudon	54.43	77	P	P	14 14 39.3	-0.9
O56A	Blue Knob Stat	54.44	69	eP	P	14 14 39.0	-1.3
O56A	Blue Knob Stat	54.44	69	P	P	14 14 39.2	-1.0
BINY	Binghamton	54.45	66	eP	P	14 14 39.9	-0.4
BINY	Binghamton	54.45	66	P	P	14 14 40.1	-0.1
246A	Jacobs Lee, B	54.46	83	P	P	14 14 40.3	-0.1
345A	Thompson Farm,	54.46	85	P	P	14 14 40.5	+0.1
147A	Livingston	54.47	82	eP	P	14 14 39.4	-1.0
147A	Livingston	54.47	82	P	P	14 14 39.8	-0.7
444A	Pine Grove	54.49	86	P	P	14 14 41.1	+0.6
SSPA	Standing Stone	54.55	68	eP	P	14 14 40.1	-0.8
SSPA	Standing Stone	54.55	68	P	P	14 14 40.4	-0.5
U52A	Thorn Hill	54.56	76	P	P	14 14 40.4	-0.7
CPCT	Cooper Cave	54.59	77	eP	P	14 14 40.0	-1.3
VT1	Watery	54.63	62	eP	P	14 14 40.6	-0.9
W51A	Cleveland	54.67	78	P	P	14 14 40.9	-0.9
X50B	Fort Payne	54.67	79	P	P	14 14 40.9	-1.0
Y49A	Blount Mountai	54.67	80	eP	P	14 14 40.5	-1.4
Y49A	Blount Mountai	54.67	80	P	P	14 14 40.7	-1.2
445A	Amite	54.71	85	P	P	14 14 42.7	+0.5
346A	Big Creek Wild	54.73	84	eP	P	14 14 41.8	-0.6
346A	Big Creek Wild	54.73	84	P	P	14 14 42.2	-0.1
247A	Quitman	54.73	83	P	P	14 14 42.5	+0.1
HAMF							

8d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABKAR Akbulak array, PPT Papeete, AKTO Aktyubinsk, etc.

NIED 08 15:04:00.37:30N:142:10E, h26km, Mw3.3 Best double couple: M1.16000x1014 NP1.0x355.00000, 837.00000, 176.00000, NP2.0x89.00000, 887.00000, 153.00000, JMA 08 15:04:58.7:0.3, 37.26N:142.06E, h26km, Mw3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFK Kawachi, ONAJ Iwakimizuishi, JMM Marumori, etc.

GII 08 15:28:53.2:0.0, 34:40N:23:70E, h1km ISCJB 08 15:28:56.2:0.9, 34:21N:0.03:23:93E:0.03, h15km, gkm, mb3.9/1.6, MS3.2/7, Error ellipse: s-maj=5.8km s-min=4.0km az=38.3

IDC 08 15:28:56.0:0.8, 34:32N:23:90E, h0km, mb4.0/1.6, mb1.4/0.21, mb1mx3.8/6.4, mbtmp3.9/2.1, ML4.0/5, MS3.2/11, Ms1.3/2.11, ms1mx2.8/6.7, Error ellipse: s-maj=17.9km s-min=14.3km az=157.0

HLW 08 15:28:57.6:34:39N:24:33E, h9km, 16km, Md3.7, M3.8 THE 08 15:29:00.4, 34:50N:23:78E, h0km, 3km, ML3.7/3, Error ellipse: s-maj=5.4km s-min=1.5km az=208.0

ATH 08 15:29:03.8, 34:70N:24:01E, h29km, 1km, ML3.4/5, Error ellipse: s-maj=3.7km s-min=1.3km az=28.0

ISK 08 15:29:18.3, 35:36N:25:18E, h12km, ML2.9/9 BEO 08 15:29:32.1, 14:36:78N:23:13E, h0km, ML3.2/2

ISC 08 15:28:55.9:1.6, 34:27N:0.05:23:87E:0.04, h3km, gkm, n115, r192/123, mb3.9/1.6, MS3.2/7, Crete

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

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

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

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

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

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

2012 AUG

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAPS Zavis, SELS Selva, KZIT Kziot, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLTI Salih, NKLH Nakhi, AMAZ Amatzia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EIL Elat, EIL Elat, ASF Jabal al Asfar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BZS Buzias, KES Kesra, SOKA Soboth, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABTA Abfattersbach, MOA Molin, WTTA Wattenberg, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RETA Reutte, KHC Kasperske Hory, KHC KHC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAVA Danuels, AKASE Malin Array Be, GOPO GO Peony, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PRU Pruhonice, KVAR Kislovodsk Arr, KBZ Khabaz, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, ASAR Altamira, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURB Kurchatov Arra, ILAR Eielson Array, GSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DBIC Dimbokro, JMA 08 15:44:15.5:0.7, 43:56N:148:96E, h30km, M3.3, SKHL 08 15:44:16.8:0.6, 43:13N:148:82E, h73km, gkm, mb3.9/3

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEM Nemuro 2, NEM Nemuro 2, YUK Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, etc.

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

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

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

ISCJB 08 15:41:15.3:0.5, 3:19S:0:07:139:74E:0.05, h100km, mb3.5/5, Error ellipse: s-maj=10.5km s-min=5.9km az=145.8

IDC 08 15:41:16.3:1.0, 3:20S:139:74E, h101km, mb3.4/6, mb1.3/7.10, mb1mx3.4/8, mbtmp4.0/10, MS3.6/1, Ms1.3/6.71, ms1mx3.2/8.0, Error ellipse: s-maj=22.0km s-min=17.1km az=104.0

DJA 08 15:41:17.7:0.5, 3:5:6.14'OE, r, h75km, 7km, M4.6/7, MB5.0/1, mb4.6/7, MLV4.6/6, Mw(m)B.4.3/1

ISC 08 15:41:15.9:0.7, 3:14S:0:07:139:68E:0.06, h100km, n21, r25/10/26, mb3.5/5, Irilan Jaya

IDC 08 16:12:40.4:307.0, 51:25N:54:26E, h0km, Error ellipse: s-maj=120.3km s-min=67.6km az=110.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASON1, I26DE FRYIUNG INFRAS21

ISCJB 08 16:14:03.6:0.3, 6:32S:0:03:146:66E:0.04, h110km, mb4.5/21, Error ellipse: s-maj=6.3km s-min=4.5km az=6.6

IDC 08 16:14:03.4:0.8, 6:27S:146:81E, h100km, mb4.1/13, mb1.4/3.17, mb1mx3.9/46, mbtmp4.6/17, MS3.0/1, Ms1.3/0.1, ms1mx2.4/44, Error ellipse: s-maj=17.1km s-min=12.9km az=91.0

BUI 08 16:14:03.9:1.6, 6:26S:146:81E, h109km, mb4.7/13, mb5.0/8 NEIC 08 16:14:04.4:0.4, 6:25S:146:62E, mb4.7/9, Error ellipse: s-maj=8.4km s-min=6.5km az=107.0

DJA 08 16:14:05.2:1.2, 6:5:9.2'14'7E:1.3, h70km, 7km, M5.1/13, MB5.4/6, mb5.1/13, MLV5.2/3, Mw(m)B.4/9.6

ISC 08 16:14:05.0:0.4, 6:31S:0:05:146:64E:0.06, h110km, n79, r181/85, mb4.6/22, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, MANU Manot Island, RABL Rabaul, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, COEN Coen, MTSU Mount Surprise, etc.

MTN	Manton Dam	16.61 246	ePn	Pn	16 17 51.2	-0.3
PATS	Pohnpei	17.50 42	eP	Pn	16 18 03.6	+1.4
WB8	Warramunga Arr	17.95 220	P	P	16 18 06.9	+0.1
WB2	Warramunga Arr	18.06 220	eP	P	16 18 08.0	-0.1
WRA	Warramunga Arr	18.07 220	P	P	16 18 08.1	-0.1
WRA	5.0nm,0.3s,baz=49,slo=12,SNR=200		S	S	16 21 24.0	-5.9
EIDS	Eidsvold	19.43 168	eP	P	16 18 23.4	+0.6
EIDS	Eidsvold	19.43 168	eP	P	16 18 23.1	+0.3
KNRA	Kununurra	19.85 241	P	P	16 18 26.9	-0.6
LBMI	Labuha	19.91 286	P	P	16 18 30.0	+1.8
RMQ	Roma	20.17 174	P	P	16 18 31.6	+0.8
QLP	Quilpie	20.29 186	P	P	16 18 32.4	+0.3
TNTI	Ternate	20.49 289	P	P	16 18 36.5	+2.1
AS01	Alice Springs	21.14 214	eP	P	16 18 41.3	-0.1
AS31	Alice Springs	21.16 214	eP	P	16 18 41.8	+0.2
ASAR	Alice Springs	21.17 214	P	P	16 18 41.8	+0.1
ASAR	1.4nm,0.8s,baz=33,slo=22,SNR=4.3		S	S	16 22 34.0	+3.0
BATI	Baumata	23.07 259	P	P	16 19 02.8	+1.5
FITZ	Fitzroy Crossi	23.60 238	P	P	16 19 06.2	+0.1
FITZ	Fitzroy Crossi	23.60 238	eP	P	16 19 05.5	-0.6
FITZ	Fitzroy Crossi	23.60 238	eP	P	16 19 05.9	-0.2
ARMA	Armidale	24.44 170	P	P	16 19 14.1	+0.4
ARMA	Armidale	24.44 170	eP	P	16 19 13.8	+0.1
CMSA	Cobar Meteorol	25.12 182	P	P	16 19 19.8	+0.1
WRKA	Warakurna	25.61 221	P	P	16 19 24.2	-0.1
STKA	Stephens Creek	25.87 190	P	P	16 19 26.6	0.0
STKA	Stephens Creek	25.87 190	eP	P	16 19 26.5	-0.1
STKA	Stephens Creek	25.87 190	eP	P	16 19 26.2	-0.4
YNG	Young	27.90 177	P	P	16 19 45.2	+0.5
HTT	Hallett	27.93 194	P	P	16 19 45.4	+0.3
MBWA	Marble Bar	29.95 238	eP	P	16 20 03.2	+0.1
MEEK	Meekeatharra	33.49 230	P	P	16 20 34.7	+0.6
KMBL	Kambalda	34.04 220	P	P	16 20 38.9	+0.1
MORW	Morawa	36.70 228	P	P	16 21 02.2	+0.6
KLBR	Kellerberrin	36.91 223	P	P	16 21 03.4	0.0
NLDU	Ballidu	37.07 226	P	P	16 21 05.0	+0.3
BLWA	Narrogin (SRO)	38.06 222	P	P	16 21 13.2	+0.2
NWA0	Narrogin (SRO)	38.06 222	P	P	16 21 13.4	+0.3
MUN	Mundaring	38.20 224	P	P	16 21 14.9	+0.7
NJ2	Nanjing	46.44 327	eP	Pmax	16 22 23.3	+2.4
KSRS	Korea Array	46.91 340	P	P	16 22 23.8	-0.7
KSAR	Wonju Array Be	46.91 339	P	P	16 22 23.8	-0.7
ASAJ	Asahikawa	50.32 356	P	P	16 22 49.9	-0.6
KMI	Kunming	52.90 308	P	Pmax	16 23 12.7	+2.3
CMAR	Chiang Mai Arr	53.08 299	P	P	16 23 12.8	+1.3
CMAR	0.8nm,0.6s,baz=127,slo=6.2,SNR=0.5		pP	pP	16 23 37.0	-0.8
CN2	Changchun	56.43 341	eP	P	16 23 14.6	+1.0
CD2	Chengdu	55.23 315	eP	P	16 23 27.0	0.0
HHC	Hu-ho-hao-te	56.91 329	eP	Pmax	16 23 41.5	+2.7
HHC	comp=Z,27nm,1.1s		pmax	pmax		
LZH	Lanzhou	58.21 320	eP	P	16 23 52.7	+4.6
LZH	0.9nm,0.5s,baz=175,slo=9.3,SNR=2.6		pP	pP	16 24 18.2	+3.4
LZH	0.4nm,0.3s,baz=142,slo=7.3,SNR=2.6		sP	sP	16 24 30.0	+3.1
PETK	Petropavlovsk	59.93 8	P	P	16 23 59.1	-0.3
SOMN	Songino Array	64.50 331	pP	pP	16 24 57.3	-0.1
VNDA	Vanda	71.63 177	P	P	16 25 15.0	+0.9
VNDA	4.0nm,0.7s,baz=321,slo=5.7,SNR=10		P	P	16 25 14.7	+0.6
WMQ	Urungi	72.79 320	P	P	16 25 23.8	+2.0
ZALV	Zalesovo Beam	79.08 328	P	P	16 25 56.1	-1.0
KSH	Kashi	79.32 312	P	P	16 25 59.6	+0.7
KSH	0.8nm,0.8s,baz=250,slo=4.3,SNR=2.6		pP	pP	16 26 28.4	+1.3
KSH	0.4nm,0.3s,baz=142,slo=7.3,SNR=2.6		S	S	16 35 46.4	-4.4
KSH	comp=Z,7.0nm,0.5s		SKS	SKS	16 35 56.2	-9.2
QSPA	South Pole Qui	83.66 180	P	P	16 26 21.5	+0.1
ILAR	Eilson Array	85.90 23	P	P	16 26 29.8	-2.5
ILAR	1.0nm,0.7s,baz=265,slo=5.5,SNR=7.6		pP	pP	16 26 57.0	-3.9
TOAD	Torodi Ar. Bea	144.82 284	PKP	PKP	16 33 29.1	-0.3
TORD	Torodi Ar. Bea	144.82 284	PKP	PKP	16 33 29.1	-0.3
TORD	1.4nm,0.8s,baz=123,slo=5.5,SNR=3.6		pPKP	pPKP	16 33 57.2	-2.9

YUK	461nm,0.1s		A	A	16 16 59.0	
GRPR	Tuman	0.76 314	iP	Pn	16 16 46.0	-0.7
GRPR	97nm,0.3s		AMB	AMB	16 16 47.0	
GRPR	152nm,0.3s		AMB	AMB	16 16 47.0	
GRPR	251nm,0.2s		iS	A	16 16 57.0	-1.3
GRPR	847nm,0.2s		A	A	16 16 58.0	
GLVR	Golovinno	0.78 291	iP	Pn	16 16 47.0	+0.1
GLVR	79nm,0.2s		AMB	AMB	16 16 47.0	
GLVR	48nm,0.2s		AMB	AMB	16 16 47.0	
GLVR	107nm,0.2s		iS	A	16 17 00.0	+1.3
GLVR	637nm,0.3s		A	A	16 17 02.0	
LAGR	Lagunnoye	0.80 318	iP	Pn	16 16 47.0	-0.1
LAGR	39nm,0.1s		AMB	AMB	16 16 48.0	
LAGR	32nm,0.1s		AMB	AMB	16 16 48.0	
LAGR	132nm,0.1s		iS	A	16 16 59.0	-0.1
LAGR	429nm,0.4s		A	A	16 17 02.0	
JRA	Rausu	1.12 295	P	Pn	16 16 51.4	+0.4
JNK	Nakash	1.32 276	P	Pn	16 16 53.3	-0.3
JNK	Akkeshi	1.42 251	P	Pn	16 16 54.4	-0.4
JTKR	Abashiri-Toko	1.97 286	eS	Pn	16 17 12.2	-0.7
KUR	Kuril'sk	2.01 28	iP	Pn	16 17 02.7	0.0
KUR	4.0nm,0.2s		AMB	AMB	16 17 02.9	
KUR	1.0nm,0.2s		AMB	AMB	16 17 02.9	
KUR	45nm,0.2s		iS	A	16 17 26.1	-0.8
JAR	Ashorobuto	2.02 266	P	Pn	16 17 03.1	+0.3
JOB	Onbets	2.05 255	P	Pn	16 17 03.3	+0.1
JOB			eS	Pn	16 17 27.6	-0.3

ISCJB 08 16:33:20.4+0.3,33.88N,0.01x117.79W,0.01,h9km,2.6km, mb4.4/8,MS3.5/11,Error ellipse:s-maj=2.6km
 s-min=1.7km,az=28.4
 IDC 08 16:33:21.7+1.4,33.85N,117.80W,h0km,mb3.7/2, mb1.4/1.8,mb1mx3.7/69,mbtrmp3.8/8,ML3.7/6,MS3.3/17, MS1.3/3.17,ms1mx3.0/62,Error ellipse:s-maj=20.3km, s-min=11.9km,az=43.0
 NEIC 08 16:33:22.1+0.0,33.90N,117.79W,h10km,mb4.3/12, ML4.5(PAS),After PAS.
 NEIC [V] at Anahim and Brea; [W] at Chino Hills, Encino, Fullerton, La Habra, Long Beach, Orange, Panorama City, Placentia, Villa Park, Whittier and Yorba Linda. Felt throughout the Los Angeles Basin and as far south as San Diego.

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
SSK	Sunset Peak	0.37 12	Op	16 33 28.3	+0.4
BFSO	Mount Baldy Ra	0.40 15	Pg	16 33 28.8	+0.3
BFSO	baz=198,SNR=1000		S	16 33 33.8	0.0
MWC	Mount Wilson	0.44 329	eP	16 33 29.2	0.0
MWC	Fort Macarthur	0.45 252	Pg	16 33 34.6	-0.3
FMP	baz=65		S	16 33 36.6	-1.3
PASC	Pasadena Art C	0.46 314	eP	16 33 29.6	0.0
MURC	Murieta	0.55 117	P	16 33 32.7	-0.1
MURC	baz=302,SNR=928		S	16 33 40.5	-0.4
DECC	Green Verdugo	0.61 311	P	16 33 32.4	0.0
DECC	baz=128		S	16 33 40.3	0.0
CIS	Catalina Island	0.69 230	P	16 33 35.1	-0.1
CIS	baz=46,SNR=670		S	16 33 45.2	+0.2
BBRC	Big Bear Solar	0.82 60	P	16 33 36.9	-0.7
BBRC	baz=244,SNR=282		S	16 33 47.7	+0.4
OAT	Oat Mountain	0.85 306	eP	16 33 37.5	+0.6
EDW	Edwards Air Fo	1.04 350	P	16 33 40.0	-0.7
EDW2	baz=170		S	16 33 53.6	-0.7
FRD	Ford Ranch, an	1.05 110	P	16 33 41.5	-0.5
FRD	baz=293,SNR=1000		S	16 33 55.1	-0.2
SCI2	San Clemente I	1.08 217	P	16 33 41.8	+0.1
SCI2	baz=34,SNR=151		S	16 33 56.5	+0.5
OSI	Osito Audit: C	1.09 315	eP	16 33 41.0	-0.5
OSI	Osito Audit: C	1.09 315	P	16 33 41.1	-0.5
OSI	baz=132,SNR=306		S	16 33 55.1	-0.6
BLG	Laguna Peak, P	1.10 284	P	16 33 41.0	-0.7
BLG	baz=101,SNR=48		S	16 33 56.0	+0.1
109C	Camp Elliot, M	1.11 149	P	16 33 42.3	-0.1
109C	baz=331,SNR=219		S	16 33 57.7	-0.8
CPE	Camp Elliot	1.11 149	eP	16 33 42.1	-0.2
CPE	Pinyon Flats O	1.13 102	eP	16 33 42.6	0.0
PFO	Pinyon Flats O	1.13 102	eP	16 33 42.7	0.0
PFO	baz=285,SNR=1000		S	16 33 57.1	-0.5
XPFO	Piacon Flat	1.13 102	eP	16 33 42.6	-0.1
XPFO	PINON FLAT INF	1.14 102	Pg	16 33 42.9	-0.3
IS75U	baz=292,slo=29,SNR=0.6		Lg	16 33 57.5	
RRX	Edison Barstow	1.21 32	P	16 33 43.5	-0.4
RRX	baz=214,SNR=166		S	16 33 59.1	-0.6
TJR	Tejon Ranch	1.42 326	ePn	16 33 46.4	-0.6
MONP2	Monument Peak	1.49 130	P	16 33 48.7	-0.5
MONP2	baz=312,SNR=1000		Sb	16 34 08.5	+0.4
BELC	Belle Mtn. Jos	1.49 84	P	16 33 48.2	0.0
BELC	baz=267,SNR=1000		Sb	16 34 08.0	-0.1
BAR	Barrett	1.49 141	ePn	16 33 48.4	-0.4

BAR	Arvin	1.54 326	eS	Sg	16 34 08.2	-0.5
ARVC	baz=145,SNR=288		Sb	Sn	16 34 08.4	-0.6
ARVC	baz=145		Sb	Sn	16 34 08.7	-0.2
HEC	Hector Ludlow	1.54 50	P	Pn	16 33 48.4	-1.4
SCZ2	Santa Cruz Isl	1.55 276	P	Pn	16 33 47.4	-1.4
ABL	Mount Abila	1.55 310	ePn	Pn	16 33 48.6	-0.5
SNCC	San Nicolas Is	1.57 248	ePn	Pn	16 33 48.0	-1.2
SNCC	San Nicolas Is	1.57 248	P	Pn	16 33 48.1	-1.0
LRMC	Laurel Mtn Rad	1.63 3	P	Pn	16 33 49.7	-0.3
LRMC	baz=183,SNR=1000		S	Sn	16 34 09.6	-1.8
GSC	Goldstone, Bar	1.66 29	ePn	Pn	16 33 50.5	+0.1
GSC	Goldstone, Bar	1.66 29	P	Pn	16 33 50.5	+0.1
SBC	Santa Barbara	1.71 291	P	Pn	16 33 51.7	+0.7
IKP	In-Ko-Pah, Jac	1.84 130	P	Pn	16 33 53.5	+0.6
WORM	Onyx Ranch	1.88 349	ePn	Pn	16 33 53.0	-0.5
SWSH	Sam W. Stewart	1.88 118	P	Pn	16 33 52.8	-0.7
ISA	Isabella, Lake	1.90 343	ePn	Pn	16 33 53.3	-0.4
ISA	Isabella, Lake	1.90 343	P	Pn	16 33 53.3	-0.4
BC3	Big Chucawall	1.95 95	P	Pn	16 33 54.2	-0.2
PKM	McPherson Peak	1.97 302	P	Pn	16 33 54.3	-0.5
GMRC	Granite Mounta	1.99 61	P	Pn	16 33 54.8	-0.2
GMRC	baz=244,SNR=1000		Pn	Pn	16 33 56.3	-0.2
VPCE	Volcano Peak E	2.09 359	ePn	Pn	16 33 56.8	0.0
RCVM	Rocky Canyon	2.12 311	ePn	Pn	16 33 57.7	-0.2
TUQ	Turquoise Moun	2.20 44	P	Pn	16 33 57.9	-0.1
IRM	Iron Mountain	2.21 81	P	Pn	16 33 58.0	-0.2
MPMC	Manual Prospect	2.21 6	P	Pn	16 33 58.2	-0.3
YES	Vestal, Richgr	2.26 332	P	Pn	16 33 58.2	-0.3
SMMC	Simmler	2.34 309	P	Pn	16 33 59.3	-0.4
SHOC	Shoshone, Tecc	2.39 31	P	Pn	16 34 00.6	+0.2
DAC	Darwin (Calif)	2.43 4	ePn	Pn	16 34 00.6	-0.4
DAC			eP	Pb	16 34 06.0	+1.1
DAC			eS	Pb	16 34 36.0	+0.9
LDFC	Lindfair	2.52 60	ePn	Pn	16 34 02.0	-0.3
PBPM	Bitterwater Pu	2.56 313	ePn	Pn	16 34 02.8	+0.1
PMLM	Monte Lospe	2.56 395	ePn	Pn	16 34 02.1	-0.7
CWC	Cottonwood Cre	2.59 355	P	Pn	16 34 03.3	-0.1
GLA	Glamis					

Table with columns: ID, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like W18A Petrified Fore, Q16A Castile Valley, and ASAR Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes sections for Southeast of Honshu, Near east coast of eastern Honshu, and MEX 08:16:44:59.3.0.3.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes sections for Southeast of Honshu, Near east coast of eastern Honshu, and BJI 08:17:45:28.3.43.95N.

ISCJB 08 16:35:52.1.1.9, 13.97S:02:170.4E:0.1, h628km, mb3.4/7, Error ellipse: s-maj=26.0km s-min=15.9km az=178.8

ISC 08 16:42:18.7.1.1, 36.42N:0.05:141.69E:0.08, h192km, n25, Error ellipse: s-maj=67.0km s-min=38.6km az=48.0, Indian Ocean Triple Junction

ISCJB 08 17:45:28.3.43.95N:128.19W, h10km, mb4.8/26, mb5.2/21, Ms5.1/13, Ms7.4/9/12

COR	Corvallis	3.73	86	ePn	Pn	17 46 32.5 +0.8
COR	Corvallis	3.73	86	eP	Pn	17 46 32.6 +0.8
I03D	Drain, OR	3.79	99	P	Pn	17 46 32.4 -0.2
I03D	baz=283,SNR=6.6			S	Sg	17 47 33.2 -2.8
F03A	Seaside	3.82	65	ePn	Pn	17 46 32.4 -0.6
G03D	McMinville, O	3.82	76	P	Pn	17 46 32.9 -0.1
G03D	baz=261			S	Sg	17 47 37.3 +0.5
KBO	Bosley Butte	3.82	124	ePn	Pn	17 46 34.1 +0.9
K02D	Willamette Mer	3.93	114	P	Pn	17 46 33.3 -1.2
E03A	Lebanon	4.08	57	ePn	Pn	17 46 35.1 -1.4
H04D	Lebanon	4.14	87	P	Pn	17 46 35.5 +1.1
F04D	Rainier, OR	4.23	65	P	Pn	17 46 38.4 -0.2
L02D	Cave Junction,	4.24	120	P	Pn	17 46 37.8 -1.0
L02D	baz=304			S	Sb	17 47 43.7 +3.7
BMW	Boistfort Moun	4.25	59	ePn	Pn	17 46 38.4 -0.6
BMW	Boistfort Moun	4.25	59	eP	Pn	17 46 38.4 -0.6
BMW	Montesano	4.32	52	ePn	Pn	17 46 40.3 +0.4
NLWA	Neilton Lookou	4.40	46	ePn	Pn	17 46 39.8 -1.2
HUMO	Hull Mountain	4.43	112	ePn	Pn	17 46 42.4 +1.0
I04A	Tendick Farm,	4.44	96	P	Pn	17 46 42.3 +0.8
KRMB	Red Mountain	4.45	129	ePn	Pn	17 46 40.7 -1.0
H04A	Detroit Lake	4.53	84	ePn	Pn	17 46 43.5 +0.7
LVP	Lakeview Peak	4.62	67	ePn	Pn	17 46 46.2 +2.1
E04D	Cinebar	4.70	61	P	Pn	17 46 44.6 -0.4
FL2	Flat Top 2	4.70	66	ePn	Pn	17 46 46.5 +1.3
FL2				eP	Pg	17 47 01.7 -2.4
PRLK	Prince Lake	4.71	90	ePn	Pn	17 46 47.3 +2.0
MTMW	Mount Mitchell	4.74	68	ePn	Pn	17 46 47.1 +1.4
J04D	Umpqua Nationa	4.78	102	P	Pn	17 46 46.5 0.0
J04D	baz=287			S	Sb	17 47 59.0 +3.2
D04D	Lakebay	4.88	53	P	Pn	17 46 46.5 -0.9
JCC	Jacoby Creek,	4.89	136	ePn	Pn	17 46 50.9 +3.3
D03D	Eldon	4.90	49	P	Pn	17 46 45.8 -2.1
HDW	Hoodspet	4.99	48	ePn	Pn	17 46 49.6 +0.5
KHMM	Horse Mountain	5.00	133	ePn	Pn	17 46 50.6 +1.3
YBH	Yreka Blue Hor	5.03	120	Pn	Pn	17 46 54.1 +4.5
YBH	0.1nm,0.3s,ba	5.03	120	ePn	Pn	17 46 51.8 +2.1
YBH	z=255,slow=3	5.03	120	ePn	Pn	17 46 51.8 +2.1
YBH	SNR=11	5.03	120	ePn	Pn	17 46 51.8 +2.1
YBH	Yreka Blue Hor	5.03	120	ePn	Pn	17 46 51.8 +2.1
L04D	Klamath Falls	5.04	114	P	Pn	17 46 50.7 +0.8
GNW	Green Mountain	5.06	50	ePn	Pn	17 46 49.8 -0.2
M02C	Callahan	5.14	124	P	Pn	17 46 52.6 +1.4
I05D	Terrebonne, OR	5.15	88	S	Sb	17 48 08.9 +2.7
G05D	Wamic, OR	5.19	78	P	Pn	17 46 53.5 +1.7
F05D	White Salmon	5.20	71	P	Pn	17 46 52.6 +0.6
F05D	baz=257,SNR=11			S	Sb	17 48 09.7 +2.0
K04D	Chiloquin, OR	5.24	108	P	Pn	17 46 54.6 +2.1
LOH	Longmire	5.25	61	ePn	Pn	17 46 53.2 +0.5
LOH				eP	Pb	17 47 09.0 +3.0
LOH	Longmire	5.25	61	ePn	Pn	17 46 53.2 +0.5
D05A	Enumclaw	5.35	61	ePn	Pn	17 46 55.3 +1.5
J05D	Fort Rock, OR	5.39	100	P	Pn	17 46 56.6 +2.0
W05D	baz=285			S	Sb	17 46 55.6 +0.8
WPW	White Pass	5.40	63	ePn	Pn	17 46 55.6 +0.8
PGC	Sidney	5.49	38	ePn	Pn	17 46 59.3 +3.4
PINE	Pine Mountain	5.49	38	ePn	Pn	17 46 57.8 +1.6
N02D	Trinity Center	5.49	127	P	Pn	17 46 54.8 -1.3
LMPM	Military Pass	5.51	120	ePn	Pn	17 46 54.9 -1.4
LMPM				eP	Pb	17 47 11.2 +0.7
M04C	Macdoel	5.55	116	P	Pn	17 46 57.8 +0.9
G06A	Carlson Farm,	5.67	79	ePn	Pn	17 46 59.5 +1.1
HTW	Haystack Looko	5.75	52	ePn	Pn	17 47 09.9 +0.8
K05A	Summer Lake	5.79	104	ePn	Pn	17 47 03.3 +3.0
WDC	Whiskeytown	5.85	128	ePn	Pn	17 47 04.0 +3.1
WDC	Whiskeytown Da	5.85	129	ePn	Pn	17 47 04.0 +3.1
B05A	Bryant	5.88	47	P	Pn	17 46 59.9 -1.3
A04D	Lummi Island	5.88	41	P	Pn	17 47 00.1 -1.1
A04D	baz=226			S	Sb	17 48 23.5 -3.5
JCW	Jim Creek	5.92	48	ePn	Pn	17 47 02.4 +0.5
KCPM	Cahto Peak	5.99	140	ePn	Pn	17 47 04.1 +1.3
O02D	Mt. Diablo Mer	6.00	133	P	Pn	17 47 01.0 -2.1
LTY	Liberty	6.17	60	ePn	Pn	17 47 05.6 +0.2
F07A	Phinny Hill Vi	6.25	73	ePn	Pn	17 47 06.0 -0.4
RPW	Rockport	6.30	48	ePn	Pn	17 47 07.3 +0.3
MPW	Mount Baker	6.31	44	ePn	Pn	17 47 07.7 +0.2
B05A	Marblemont	6.35	102	ePn	Pn	17 47 07.9 +0.1
E07A	Sunnyside	6.46	68	ePn	Pn	17 47 06.8 -2.4
O03D	Paynes Creek	6.46	127	P	Pn	17 47 06.1 -3.2
I07A	Izee	6.48	90	ePn	Pn	17 47 06.5 -1.2
MOD	Modoc Plateau	6.51	110	ePn	Pn	17 47 11.4 +1.3
HAWA	Hanford	6.63	70	ePn	Pn	17 47 12.2 +0.7
HOPS	Hopland Field	6.78	141	ePn	Pn	17 47 13.4 -0.2
G08A	Pilot Rock	6.85	79	ePn	Pn	17 47 16.1 +1.4
E08A	Dider Farm, El	6.97	69	ePn	Pn	17 47 15.9 -0.3
G01M	Geyser	7.05	141	ePn	Pn	17 47 21.4 +3.9
ORV	Oroville	7.13	130	ePn	Pn	17 47 20.8 +2.3
ORV	Oroville	7.13	130	eP	Pn	17 47 20.8 +2.3
D08A	Wollman Farm,	7.21	65	ePn	Pn	17 47 19.0 -0.6
J08A	Circle Bar Ran	7.33	95	ePn	Pn	17 47 20.9 -0.4
WVOR	Wild Horse Val	7.46	102	ePn	Pn	17 47 24.4 +1.4
WVOR	Wild Horse Val	7.46	102	ePn	Pn	17 47 24.4 +1.4
B08A	Colville Reser	7.47	55	ePn	Pn	17 47 22.1 -0.7
BEKR	Beckworth	7.58	124	ePn	Pn	17 47 25.1 +0.4
E09A	Wood Farm, Sta	7.59	70	ePn	Pn	17 47 23.6 -1.1
BBB	Bella Bella	7.78	2	Pn	Pn	17 47 37.8 +1.0
BBB	1.0nm,0.3s,ba	7.78	2	Pn	Pn	17 47 37.8 +1.0
BBB	z=196,slow=12	7.78	2	Pn	Pn	17 47 37.8 +1.0
BBB	SNR=13	7.78	2	Pn	Pn	17 47 37.8 +1.0
AFDM	Forest Hills D	7.81	81	ePn	Pn	17 47 30.0 +1.5
C08A	Christman Ranch	7.88	61	ePn	Pn	17 47 21.4 +3.9
BMO	Blue Mountains	8.01	83	ePn	Pn	17 47 30.6 0.0
BMO	Blue Mountains	8.01	83	eP	Pn	17 47 30.6 0.0
F10A	Beach Ranch, E	8.13	75	ePn	Pn	17 47 32.5 +0.3
PAHR	Pah Ranch Range	8.26	122	ePn	Pn	17 47 37.7 +2.6
VNCR	Virginia City	8.36	125	ePn	Pn	17 47 37.6 +2.0
PNTR	Pine Nut	8.47	117	ePn	Pn	17 47 37.1 +0.2
SJH	Saint Joseph S	8.59	143	ePn	Pn	17 49 20.6 +5.3
NEW	Newport	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	0.7nm,0.3s,ba	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	z=251,slow=14	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	SNR=12	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	0.7nm,0.3s,ba	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	z=252,slow=36	8.77	60	Pn	Pn	17 47 55.3 +1.4
NEW	Newport	8.77	60	ePn	Pn	17 47 39.7 -1.3
NEW	Newport	8.77	60	eP	Pn	17 47 39.7 -1.3
NEW	Newport	8.77	60	P	Pn	17 47 39.3 -1.6
YERR	Yerington	8.81	125	ePn	Pn	17 47 42.9 +1.2
CMB	Columbia Colie	8.84	133	ePn	Pn	17 47 42.2 +0.3
CMB	Columbia Colie	8.84	133	eP	Pn	17 47 42.2 +0.3
WAKR	Walker	9.02	128	ePn	Pn	17 47 46.6 +2.1
H02S1	DAWSON INLET T	9.17	345	T	T	17 57 14.5
MFID	Camas Ranch	9.22	92	ePn	Pn	17 47 50.1 +2.9
BMN	Battle Mountain	9.25	112	ePn	Pn	17 47 48.8 +1.1
BMN	Battle Mountain	9.25	112	eP	Pn	17 47 48.8 +1.1
KVN	Kaiserville	9.45	121	ePn	Pn	17 47 52.2 +1.7
KVN	Kaiserville	9.45	121	eP	Pn	17 47 52.2 +1.7
RVN	Ryan	9.45	124	ePn	Pn	17 47 51.1 +0.5
RY01	Mina Array Sit	9.72	124	ePn	Pn	17 47 54.4 +0.1
NVAR	Mina Array Bea	9.72	124	Pn	Pn	17 47 58.8 +4.6
NVAR	0.0nm,0.3s,ba	9.72	124	Pn	Pn	17 47 58.8 +4.6
NVAR	z=291,slow=12	9.72	124	Pn	Pn	17 47 58.8 +4.6
NVAR	SNR=4.8	9.72	124	Pn	Pn	17 47 58.8 +4.6
NVAR	comp=Z,3um,20.6s,ba	9.72	124	Pn	Pn	17 47 58.8 +4.6
NVAR	z=54,slow=38	9.72	124	Pn	Pn	17 47 58.8 +4.6
NV11	Mina Array Sit	9.81	124	ePn	Pn	17 47 58.3 +3.0

MDPB	Devils Postpil	9.83	130	ePn	Pn	17 47 54.3 -1.5
OMMB	Old Mammoth Mt	9.89	130	ePn	Pn	17 47 58.9 +2.3
BENR	Benton	10.05	128	ePn	Pn	17 47 54.2 -4.6
HLID	Hailey	10.20	90	ePn	Pn	17 48 02.1 +1.4
HLID	Hailey	10.20	90	P	Pn	17 48 03.4 +2.7
JTMT	Jette	10.44	66	ePn	Pn	17 48 04.5 +0.6
WALA	Waterton Lakes	11.04	60	ePn	Pn	17 48 13.7 +1.5
MCMT	McKenzie Canyo	11.18	82	ePn	Pn	17 48 15.6 +1.4
DLMT	Dillon	11.34	80	ePn	Pn	17 48 17.2 +1.0
LRM	Lineskin Ridge	11.44	77	ePn	Pn	17 48 19.2 +1.4
R11A	Troy Canyon, C	11.45	118	Pn	Pn	17 48 20.5 +2.7
R11A	Troy Canyon, C	11.45	118	P	Pn	17 48 18.9 +1.1
CRAG	Craig	11.45	347	ePn	Pn	17 48 16.9 -0.6
DAC	Darwin (Caif)	11.63	131	eP	Pn	17 48 19.1 -1.3
DAC	Darwin (Caif)	11.63	131	eP	Pn	17 48 19.1 -1.3
ISA	Isabella, Lake	11.64	135	ePn	Pn	17 48 20.7 +0.4
ISA	Isabella, Lake	11.64	135	eP	Pn	17 48 20.7 +0.4
ISA	Isabella, Lake	11.64	135	P	Pn	17 48 17.5 -2.8
HVU	Hansel Valley	11.81	97	ePn	Pn	17 48 25.6 +2.9
PMPC	Manual Propsec	11.85	131	P	Pn	17 48 19.8 -3.6
ARVC	Arvin	11.89	138	P	Pn	17 48 20.4 -3.3
HRV	Holter Researc	11.92	73	ePn	Pn	17 48 27.9 +3.8
BGU	Big Grassy Mou	11.92	102	ePn	Pn	17 48 25.3 +1.0
TPNV	Topopah Spring	11.92	125	ePn	Pn	17 48 25.4 +1.1
TPNV	Topopah Spring	11.92	125	eP	Pn	17 48 25.4 +1.1
TPNV	Topopah Spring	11.92	125	P	Pn	17 48 25.2 +0.9
BOZ	Bozeman (W)	12.02	78	ePn	Pn	17 48 26.1 +0.6
BOZ	Bozeman (W)	12.02	78	eP	Pn	17 48 26.1 +0.6
BOZ	Bozeman (W)	12.02	78	P	Pn	17 48 27.7 +2.2
LRMT	Laurel Mtn Rd	12.19	82	ePn	Pn	17 48 27.8 -0.1
QLMC	Laurel Mtn Rd	12.19	133	P	Pn	17 48 24.1 -3.8
SPUT	South Promonto	12.19	99	ePn	Pn	17 48 26.7 -1.2
WFRK	Wentzell Islan	12.26	350	ePn	Pn	17 48 28.8 +0.2
OSI	Osio Audit. C	12.36	139	P	Pn	17 48 25.8 -4.3
YHB	Horse Butte	12.36	82	ePn	Pn	17 48 31.3 +1.0
DUG	Dugway, Tooele	12.37	105	ePn	Pn	17 48 30.3 +2.7
DUG	Dugway, Tooele	12.37	105	eP	Pn	17 48 30.3 +2.7
DUG	Dugway, Tooele	12.37	105	P	Pn	17 48 29.4 -0.9
PSUT	Pine Spring	12.46	113	ePn	Pn	17 48 33.7 +2.0
YMR	Madison River	12.53	83	ePn	Pn	17 48 32.6 0.0
FXWY	Fox Creek	12.62	87	ePn	Pn	17 48 35.0 +1.2
IMW	Indian Meadow	12.64	84	ePn	Pn	17 48 36.6 +4.7
YFT	Old Faithful	12.64				

2012 AUG

8d 17h	Sawmill	20.94 333 eP	P	17 50 14.8 -2.0
SML	Sawmill	20.94 333 eP	P	17 50 14.8 -2.0
SML	Sawmill	20.94 333 eP	P	17 50 14.8 -2.0
PAX	Paxson	21.00 338 eP	P	17 50 17.0 -0.5
PAX	Paxson	21.00 338 eP	P	17 50 17.0 -0.5
PAX	Paxson	21.00 338 eP	P	17 50 17.0 -0.5
GHO	Glory Hole Cre	21.11 333 eP	P	17 50 16.7 -2.0
DOT	Dot Lake	21.21 341 eP	P	17 50 17.9 -1.8
SCRK	Sand Creek	21.47 341 eP	P	17 50 20.9 -1.7
RIDG	Independ'e Rid	21.47 340 eP	P	17 50 20.9 -1.7
SUA	Susitna One	21.51 330 eP	P	17 50 19.7 -3.4
EGAK	Eagle	21.59 345 eP	P	17 50 20.8 -3.0
DHY	Denali Highway	21.61 336 eP	P	17 50 22.9 -1.2
RSO	Redoubt South	21.62 326 eP	P	17 50 24.9 +0.5
MNTX	Cornudas Mount	22.12 117 eP	P	17 50 29.3 -0.3
MNTX	Cornudas Mount	22.12 117 eP	P	17 50 29.3 -0.3
SKT	Skwentna	22.14 331 eP	P	17 50 29.3 -0.4
CBKS	Cedar Bluff	22.17 95 eP	P	17 50 29.1 -1.2
CBKS	Cedar Bluff	22.17 95 eP	P	17 50 29.1 -1.2
CBKS	Cedar Bluff	22.17 95 eP	P	17 50 29.1 -1.2
CBKS	Cedar Bluff	22.17 95 eP	P	17 50 29.1 -1.2
CBKS	Cedar Bluff	22.17 95 eP	P	17 50 29.1 -1.2
CHGN	Chignik	22.28 313 eP	P	17 50 29.3 -1.8
RND	Reindeer	22.29 336 eP	P	17 50 30.6 -0.8
BGNE	Belgrade	22.38 87 eP	P	17 50 30.9 -1.6
BGNE	Belgrade	22.38 87 eP	P	17 50 30.9 -1.6
MXTE	Muleshoe	22.43 109 eP	P	17 50 31.7 -1.4
MSTX	Muleshoe	22.43 109 eP	P	17 50 31.7 -1.4
GDLE	Guadalupe Moun	22.45 115 eP	P	17 50 32.0 -1.3
HDA	Harding Lake	22.55 339 eP	P	17 50 31.7 -2.4
MCK	McKinley	22.56 336 eP	P	17 50 32.9 -1.3
MCK	McKinley	22.56 336 eP	P	17 50 32.9 -1.3
MCK	McKinley	22.56 336 eP	P	17 50 32.9 -1.3
AMTX	Amarillo	22.66 106 eP	P	17 50 34.1 -1.5
AMTX	Amarillo	22.66 106 eP	P	17 50 34.1 -1.5
ULM	Lac du Bonnet	22.76 64 eP	P	17 50 47.5 +1.1
ULM	Lac du Bonnet	22.76 64 eP	P	17 50 35.1 -1.2
ULM	Lac du Bonnet	22.76 64 eP	P	17 50 35.1 -1.2
ULM	Lac du Bonnet	22.76 64 eP	P	17 50 35.1 -1.2
ULM	Lac du Bonnet	22.76 64 eP	P	17 50 35.1 -1.2
TRF	Thorofare Moun	22.76 334 eP	P	17 50 37.2 +0.8
IL1	Eielson Array	22.83 340 eP	P	17 50 35.6 -1.4
ILAR	Eielson Array	22.83 340 eP	P	17 50 41.1 +4.1
ILAR	Eielson Array	22.83 340 eP	P	17 50 41.1 +4.1
ILAR	Eielson Array	22.83 340 eP	P	17 50 41.1 +4.1
ILB	Eielson Array	22.83 340 eP	P	17 50 35.6 -1.4
C33A	Trail	22.86 70 eP	P	17 50 29.0 -8.4
ECSD	EROS Data Cent	22.86 80 eP	P	17 50 35.1 -2.4
ECSD	EROS Data Cent	22.86 80 eP	P	17 50 30.4 -7.1
WRH	Wood River Hil	22.90 338 eP	P	17 50 37.5 -0.2
CCB	Clear Creek Bu	22.97 339 eP	P	17 50 37.0 -1.4
PPLA	Purkeyville	22.98 332 eP	P	17 50 39.8 +1.0
KTH	Kantishna Hill	23.03 334 eP	P	17 50 38.8 -0.3
BWN	Brown	23.05 336 eP	P	17 50 35.7 -3.6
A33A	Warroad	23.06 67 eP	P	17 50 35.4 -4.1
SDPT	Sand Point	23.11 310 eP	P	17 50 38.9 -1.0
SVWZ	Sparrevohn	23.12 326 eP	P	17 50 38.1 -2.0
COLA	College	23.16 339 eP	P	17 50 39.5 -0.8
COLA	College	23.16 339 eP	P	17 50 39.5 -0.8
COLA	College	23.16 339 eP	P	17 50 39.5 -0.8
CAST	Castle Rocks	23.31 333 eP	P	17 50 32.5 -9.4
MDM	Murphy Dome	23.33 339 eP	P	17 50 39.3 -2.8
BPAW	Bear Paw Mtn.	23.45 335 eP	P	17 50 33.0 -1.0
H35A	Sunnyside Ranc	23.91 77 eP	P	17 50 42.8 -5.1
FYU	Fort Yukon	23.97 344 eP	P	17 50 48.3 0.0
MLY	Mantle	24.06 337 eP	P	17 50 48.5 -0.8
C35A	Jirik Farms, M	24.07 70 eP	P	17 50 42.6 -6.9
INK	Inuvik	24.09 355 eP	P	17 50 55.0 +5.6
INK	Inuvik	24.09 355 eP	P	17 50 55.0 +5.6
KSU1	Kansas State U	24.29 91 eP	P	17 50 47.7 -3.9
KSU1	Kansas State U	24.29 91 eP	P	17 50 45.2 -6.4
J36A	Seneca 1, Swea	24.56 80 eP	P	17 50 53.1 -0.9
J36A	Seneca 1, Swea	24.56 80 eP	P	17 50 50.1 -3.9
H36A	Jessenland, He	24.57 77 eP	P	17 50 51.4 -2.7
I36A	Fitzsimmons Fa	24.63 79 eP	P	17 50 52.4 -2.2
L36A	Harm Buss Farm	24.66 83 eP	P	17 50 57.0 -4.2
K36A	Gilmore City	24.66 82 eP	P	17 50 52.0 -3.0
D36A	Goodland	24.68 71 eP	P	17 50 45.1 -1.0
WMOK	Wichita Mounta	24.76 103 eP	P	17 50 53.9 -2.0
WMOK	Wichita Mounta	24.76 103 eP	P	17 50 53.9 -2.0
WMOK	Wichita Mounta	24.76 103 eP	P	17 50 53.9 -2.0
M36A	Felix, Anita	24.76 85 eP	P	17 50 49.4 -6.4
TX31	Lajitas Ar. Ss	24.80 119 eP	P	17 50 54.6 -1.8
TX31	Lajitas Ar. Ss	24.80 119 eP	P	17 50 54.6 -1.8
TXAR	Lajitas Ar. Ss	24.80 119 eP	P	17 50 58.6 +2.2
TXAR	Lajitas Ar. Ss	24.80 119 eP	P	17 50 58.6 +2.2
TXAR	Lajitas Ar. Ss	24.80 119 eP	P	17 50 58.6 +2.2
N36A	Murf Farm, Cla	24.86 87 eP	P	17 50 51.6 -5.1
I37A	Lemond, Waseca	25.06 78 eP	P	17 50 55.8 -2.7
J37A	Redenius Farm,	25.12 80 eP	P	17 50 55.2 -3.9
LP1G	La Paz	25.14 138 LR	LR	18 00 03.3
D37A	Cotton	25.18 71 eP	P	17 50 57.0 -2.6
SPMN	Marine on St.	25.22 75 eP	P	17 50 58.0 -2.0
H37A	Dierke Farm, C	25.27 77 eP	P	17 50 55.6 -4.8

C37A	Embarrass	25.27 70 eP	P	17 50 55.6 -4.8
L37A	Phoenix Point,	25.30 83 eP	P	17 50 56.9 -3.8
HP1G	Phenix Point,	25.34 126 eP	P	17 50 59.0 -2.3
ABTX	Abiene, Hawle	25.34 108 eP	P	17 51 00.1 -1.1
N37A	Lee Faris, Mou	25.41 86 eP	P	17 50 59.6 -2.1
N37A	Lee Faris, Mou	25.41 86 eP	P	17 50 59.6 -2.1
COLD	Coldfoot	25.62 341 eP	P	17 51 00.3 -3.0
O37A	Wolfen Farm, M	25.66 87 eP	P	17 51 01.0 -2.9
H38A	Maiden Rock	25.70 77 eP	P	17 51 00.2 -4.0
EYMN	Ely	25.71 69 eP	P	17 51 02.4 -2.0
EYMN	Ely	25.71 69 eP	P	17 51 02.4 -2.0
EYMN	Ely	25.71 69 eP	P	17 51 02.4 -2.0
P37A	Lathrop	25.73 89 eP	P	17 50 59.8 -4.7
F38A	Pierce - Schro	25.73 74 eP	P	17 51 00.4 -4.1
I38A	Scanlan Farm,	25.80 78 eP	P	17 50 59.1 -6.2
K38A	Parkersburg	25.85 81 eP	P	17 51 02.2 -3.5
L38A	Oak Wood Farm,	25.86 82 eP	P	17 51 01.1 -1.7
J38A	Wedel Dairy, R	25.88 80 eP	P	17 51 01.1 -4.8
C38A	Sawbill Land.	25.89 69 eP	P	17 50 59.4 -6.6
M38A	Pleasantville	25.92 84 eP	P	17 51 02.4 -3.9
Q37A	Longview Farm,	25.93 90 eP	P	17 51 03.0 -3.4
N38A	Joes South For	26.10 86 eP	P	17 51 02.3 -5.6
Q38A	Galt	26.16 87 eP	P	17 51 04.6 -3.9
TUL1	Leonard	26.27 98 eP	P	17 51 08.1 -1.5
TUL1	Leonard	26.27 98 eP	P	17 51 02.1 -7.4
UNV	Unaska Valle	26.30 305 eP	P	17 51 08.8 -0.8
P38A	Dawn	26.30 88 eP	P	17 51 07.6 -2.2
P38A	Dawn	26.30 88 eP	P	17 51 04.2 -5.6
G39A	Holcombe	26.34 75 eP	P	17 51 05.9 -4.2
H39A	Augusta	26.39 76 eP	P	17 51 06.8 -3.7
F39A	Loretta	26.39 73 eP	P	17 51 08.5 -2.1
I39A	Houston	26.42 78 eP	P	17 51 07.6 -3.2
I39A	Houston	26.42 78 eP	P	17 51 08.4 -2.4
J39A	Decorah	26.42 79 eP	P	17 51 09.4 -1.5
K39A	Delweint	26.46 81 eP	P	17 51 06.3 -4.9
Q38A	Cooks Store, C	26.49 90 eP	P	17 51 07.5 -4.0
JCT	Junction City	26.55 112 eP	P	17 51 08.8 -3.3
JCT	Junction City	26.55 112 eP	P	17 51 08.8 -3.3
JCT	Junction City	26.55 112 eP	P	17 51 08.8 -3.3
L39A	Vinon	26.55 82 eP	P	17 51 09.3 -2.7
E39A	Mellen	26.56 72 eP	P	17 51 08.2 -3.9
N39A	Derby Farms, D	26.59 85 eP	P	17 51 07.0 -1.7
N39A	Derby Farms, D	26.59 85 eP	P	17 51 08.0 -4.4
R38A	Fenwick Farm,	26.60 91 eP	P	17 51 08.1 -4.3
TOLK	Toolik Lake Re	26.62 343 eP	P	17 51 12.1 -0.3
TOLK	Toolik Lake Re	26.62 343 eP	P	17 50 56.0 -1.6
M39A	Webster	26.63 84 eP	P	17 51 07.0 -5.7
Q39A	Kirksville	26.76 86 eP	P	17 51 08.4 -5.7
S38A	Winchester	26.83 93 eP	P	17 51 07.6 -7.0
P39B	Salisbury	26.91 88 eP	P	17 51 10.0 -5.2
Q39A	Willow Grove F	26.92 89 eP	P	17 51 11.0 -4.3
F40A	Park Falls	26.94 73 eP	P	17 51 10.7 -4.8
K40A	Colesburg	26.99 80 eP	P	17 51 10.2 -5.8
E40A	Wakefield	27.00 72 eP	P	17 51 10.3 -5.7
G40A	Rib Lake	27.02 75 eP	P	17 51 13.4 -2.7
G40A	Rib Lake	27.02 75 eP	P	17 51 09.3 -6.9
H40A	Chili	27.02 76 eP	P	17 51 10.7 -5.5
I40A	Norwalk	27.04 78 eP	P	17 51 12.7 -3.7
J40A	Soldiers Grove	27.08 79 eP	P	17 51 07.5 -9.3
L40A	Anamosa	27.12 82 eP	P	17 51 14.3 -2.9
L40A	Anamosa	27.12 82 eP	P	17 51 10.1 -7.1
M40A	Post Highland	27.12 83 eP	P	17 51 11.0 -6.2
R39A	Chumby, Stover	27.17 91 eP	P	17 51 12.3 -5.3
WHTX	Lake Whitney,	27.21 106 eP	P	17 51 09.5 -8.5
S39A	Bolivar	27.23 92 eP	P	17 51 15.2 -3.0
S39A	Bolivar	27.23 92 eP	P	17 51 14.2 -4.0
N40A	Mertquake, Sal	27.24 84 eP	P	17 51 12.1 -6.1
C40A	Isle Royale Na	27.28 69 eP	P	17 51 09.2 -9.4
O40A	La Belle	27.30 86 eP	P	17 51 11.4 -7.4
P40A	Paris	27.40 87 eP	P	17 51 16.1 -3.6
P40A	Paris	27.40 87 eP	P	17 51 15.2 -4.4
HHAR	Hobbs	27.42 95 eP	P	17 51 17.0 -2.9
T39A	Clever	27.48 93 eP	P	17 51 18.1 -2.3
H41A	Kardale	27.52 77 eP	P	17 51 18.2 -2.5
H41A	Junction City	27.54 76 eP	P	17 51 18.2 -2.6
H41A	Junction City	27.54 76 eP	P	17 51 19.6 -1.3
JFWS	Jewell Farm	27.56 80 eP	P	17 51 19.1 -2.0
JFWS	Jewell Farm	27.56 80 eP	P	17 51 19.1 -2.0
JFWS	Jewell Farm	27.56 80 eP	P	17 51 19.1 -2.0
JFWS	Jewell Farm	27.56 80 eP	P	17 51 20.4 -0.7
COWI	Conover	27.58 72 eP	P	17 51 17.5 -3.8
Q40A	Laux Farm, Aux	27.58 89 eP	P	17 51 19.9 -1.4
J41A	Loganville	27.60 79 eP	P	17 51 20.3 -1.2
K41A	Shullsburg	27.61 80 eP	P	17 51 19.5 -2.0
E41A	Kenton	27.63 72 eP	P	17 51 14.2 -7.5
F41A	Three Lakes	27.67 73 eP	P	17 51 20.8 -1.3

F4

V42A	baz=282 Cord	29.46	94	P	P	17 51 35.6	-2.5
140A	Cam and Jess, comp=Z,53nm,1.4s	29.54 101	eP	P	P	17 51 35.6	-3.1
140A	Cam and Jess, baz=304	29.54 101	P	P	P	17 51 36.1	-2.6
HKT	Hockley	29.55 108	eP	P	P	17 51 35.2	-3.5
HKT	Hockley comp=Z,100nm,2.0s	29.55 108	eP	P	P	17 51 35.3	-3.5
HKT	Hockley						
Y41A	Eglette Beards baz=302	29.55 98	P	P	P	17 51 38.1	-0.8
M44A	Midewin, Midew baz=290	29.59 82	P	P	P	17 51 35.7	-3.4
S43A	Fulton Ridge, baz=296	29.60 90	P	P	P	17 51 38.6	-0.7
S43A	Greenville baz=296	29.66 91	P	P	P	17 51 38.3	-1.6
E44A	Grand Marais A baz=282	29.67 70	P	P	P	17 51 38.5	-1.3
PBMO	Poplar Bluff comp=Z,31nm,1.5s	29.70 92	eP	P	P	17 51 38.0	-2.2
RDOG	Red Dog Mine comp=Z,11nm,0.6s	29.70 335	eP	P	P	17 51 37.1	-2.7
O44A	Mansfield baz=292	29.72 84	P	P	P	17 51 36.1	-4.2
N44A	Piper City baz=291	29.73 83	P	P	P	17 51 38.7	-1.7
Z41A	Richland Creek baz=303	29.75 100	P	P	P	17 51 39.7	-0.9
O44A	Meyer Farm, Va baz=294	29.81 87	P	P	P	17 51 42.1	+1.0
P44A	Sand Creek, Wi baz=293	29.87 85	P	P	P	17 51 40.9	-0.8
U43A	Rector baz=298	29.90 92	P	P	P	17 51 38.6	-3.3
X42A	Stuttgart baz=300	29.91 96	P	P	P	17 51 39.5	-2.5
141A	Papa Simpson, baz=304	30.03 101	P	P	P	17 51 31.0	-1.2
R44A	Waltonville baz=295	30.03 88	P	P	P	17 51 38.0	-5.1
V43A	Jonesboro baz=299	30.08 93	P	P	P	17 51 47.9	+4.4
S44A	Carbondale baz=296	30.14 89	P	P	P	17 51 40.7	-3.3
F45A	CMU Biological baz=283	30.14 72	P	P	P	17 51 44.5	+0.5
N45A	Kentland baz=291	30.15 82	P	P	P	17 51 41.6	-2.6
T44A	Benton baz=296	30.16 90	P	P	P	17 51 43.5	-0.7
Q45A	Warren Harvey, baz=294,SNR=5.3	30.43 86	P	P	P	17 51 42.7	-3.9
P45A	Graceland, Par baz=293	30.48 85	P	P	P	17 51 40.1	-6.9
341A	Kurthwood baz=306	30.56 103	P	P	P	17 51 36.4	-1.1
LNIG	Linares comp=Z,36nm,2.0s	30.58 120	eP	P	P	17 51 47.1	-1.0
R45A	Skylar, Fairri baz=295	30.59 87	P	P	P	17 51 44.6	-3.4
SFIN	Lafayette baz=292	30.62 83	P	P	P	17 51 45.6	-2.6
S45A	Carrier Mills baz=296	30.63 89	P	P	P	17 51 41.5	-6.8
F46A	Macinaw City C baz=284	30.64 72	P	P	P	17 51 36.7	-1.2
U44B	Burton Farm, H baz=298	30.67 92	P	P	P	17 51 48.8	+0.1
N46A	Monticello baz=291	30.69 82	P	P	P	17 51 49.7	+0.8
142A	Monroe baz=304	30.74 100	P	P	P	17 51 50.2	+0.8
M46A	Old House Fiel baz=290	30.78 81	P	P	P	17 51 41.8	-7.9
Q46A	CEJHS Indians, baz=294	30.95 86	P	P	P	17 51 50.3	-0.8
R46A	Gibson Southern baz=295	31.17 87	P	P	P	17 51 51.4	-1.7
Y44A	Strider, Charl baz=301	31.22 96	P	P	P	17 51 57.9	+4.3
V45A	Humboldt baz=298	31.23 92	P	P	P	17 51 53.7	0.0
S46A	Don Dixon Farm baz=296	31.25 88	P	P	P	17 51 55.6	+1.8
O47A	Sheridan baz=292	31.33 83	P	P	P	17 51 57.9	+3.4
W45A	Hickory Valley baz=299	31.35 93	P	P	P	17 51 58.2	+3.5
L47A	Sherwood baz=290	31.40 79	P	P	P	17 51 53.2	-1.9
Z44A	Pea Ridge, Bel baz=302	31.42 98	P	P	P	17 51 49.2	-6.1
OXF	Oxford comp=Z,91nm,1.0s	31.51 95	eP	P	P	17 51 54.2	-1.9
OXF	Oxford	31.51 95	eP	P	P	17 51 54.2	-1.9
OXF	Oxford comp=Z,91nm,1.0s	31.51 95	eP	P	P	17 51 57.0	+0.9
P47A	Martinsville baz=293	31.54 84	P	P	P	17 52 01.5	+5.1
X45A	UM Field Stati baz=300	31.57 95	P	P	P	17 51 57.5	+0.8
Q47A	Bedord North L baz=294	31.65 85	P	P	P	17 52 03.3	+6.0
R47A	Wooly Knot Far baz=295	31.84 86	P	P	P	17 51 56.4	-2.6
WVT	Waverly comp=Z,39nm,2.0s	31.86 91	eP	P	P	17 51 57.0	-2.2
WVT	Waverly	31.86 91	eP	P	P	17 51 57.0	-2.2
WVT	Waverly comp=Z,39nm,2.0s	31.86 91	eP	P	P	17 52 00.1	+0.8
S47A	Hartford baz=296	31.89 88	P	P	P	17 52 03.7	+4.3
Z45A	Winona baz=302	31.89 97	P	P	P	17 52 01.2	+1.6
M48A	Edgerton baz=290	31.91 80	P	P	P	17 52 03.7	+4.1
VBMS	Vicksburg baz=303	31.93 99	P	P	P	17 52 00.6	+0.7
L48A	N Adams baz=290	31.95 79	P	P	P	17 51 58.0	-2.0
T47A	Sharon Grove baz=297	31.99 89	P	P	P	17 52 01.2	+0.8
O48A	Farmland baz=292	32.04 82	P	P	P	17 51 57.2	-3.6
X46A	Booneville baz=300	32.08 94	P	P	P	17 51 58.5	-2.7
P48A	Milroy baz=293	32.15 84	P	P	P	17 52 01.7	-0.1
V47A	Nunnely baz=298	32.22 91	P	P	P	17 52 04.9	+2.5
Y46A	Houston baz=301	32.22 95	P	P	P	17 51 59.8	-2.7
PLAL	Pickwick Lake comp=Z,53nm,1.9s	32.23 93	eP	P	P	17 51 58.9	-3.6
R48A	Northridge Ran baz=295	32.26 86	P	P	P	17 52 05.2	+2.5
L49A	Milan baz=290	32.37 78	P	P	P	17 52 05.0	+1.4
AAM	Ann Arbor baz=289	32.38 78	P	P	P	17 52 04.9	-1.2
T48A	Bowling Green baz=296	32.44 88	P	P	P	17 52 07.7	+3.4
W47A	Westpoint baz=299	32.44 92	P	P	P	17 52 07.7	+3.4
S48A	Wiedeman Farm, baz=296	32.45 87	P	P	P	17 52 06.0	+1.6
245A	Little AP, Sta baz=304	32.47 99	P	P	P	17 52 07.9	+3.3
Z46A	Louisville baz=302	32.52 96	P	P	P	17 52 05.8	+0.7
U48A	Cassie Pea, Po baz=297	32.61 89	P	P	P	17 52 10.0	+4.2
444A	Pine Grove baz=293	32.61 102	P	P	P	17 52 11.7	+5.8
P49A	Miami Univ. Ec baz=293	32.63 83	P	P	P	17 52 07.5	+1.5
Q49A	Aurora baz=294	32.71 84	P	P	P	17 52 04.8	-1.9
V48A	Smith Brothers baz=298	32.76 91	P	P	P	17 52 03.6	-3.6
R49A	Shelbyville baz=295	32.81 85	P	P	P	17 52 09.1	+1.6
445A	Amite baz=306	32.89 101	P	P	P	17 52 09.8	+1.4
Y47A	UCORC, Winfie baz=301	32.93 94	P	P	P	17 52 02.5	-6.2
S49A	Springfield baz=296	32.94 86	P	P	P	17 52 07.7	-1.0
W48A	Pulaski baz=296	32.97 92	P	P	P	17 52 12.3	+3.3
246A	Jackson Lee, B baz=304	33.02 98	P	P	P	17 52 12.7	+3.2
T49A	Edmonton comp=Z,3nm,0.7s	33.06 88	eP	P	P	17 52 06.6	-3.2
M50A	Fremont baz=291	33.12 79	P	P	P	17 52 11.6	+1.4
Z47A	Carrollton baz=296	33.14 96	P	P	P	17 52 12.9	+2.4
U49A	Red Boiling Sp baz=297	33.15 89	P	P	P	17 52 13.8	+3.3
O50A	Cable baz=293	33.17 81	P	P	P	17 52 16.5	+5.7
X48A	Hartselle baz=300	33.23 93	P	P	P	17 52 16.3	+5.0
P50A	Jamestown baz=293	33.25 82	P	P	P	17 52 12.0	+0.6
N50A	Nevada baz=292	33.27 80	P	P	P	17 52 15.5	+4.0
147A	Livingston baz=303	33.27 97	P	P	P	17 52 14.0	+2.4
247A	Quitman baz=296	33.37 98	P	P	P	17 52 17.4	+4.9
V49A	McMinnville baz=298	33.41 90	P	P	P	17 52 17.8	+5.0
Y48A	Jasper baz=301	33.41 94	P	P	P	17 52 08.3	-4.5
Z48A	Northport baz=302	33.41 95	P	P	P	17 52 16.1	+3.3
R50A	Paris baz=295	33.42 85	P	P	P	17 52 19.5	+6.7
Q50A	Georgetown baz=294	33.43 84	P	P	P	17 52 08.4	-4.6
W49A	Belvidere baz=299	33.46 91	P	P	P	17 52 12.2	-1.1
446A	Poplarville baz=295	33.54 100	P	P	P	17 52 10.2	-3.8
250A	Nancy baz=297	33.60 87	P	P	P	17 52 14.2	-0.2
S50A	Richmond baz=296	33.62 86	P	P	P	17 52 04.9	-1.0
X49A	Woodville baz=300	33.72 92	P	P	P	17 52 04.9	-1.1
148A	Greensboro baz=303	33.79 96	P	P	P	17 52 18.5	+2.4
R52A	Resolute Bay comp=Z,4.8nm,0.7s,baz=238,slow=11,SNR=5.2	33.80 15	P	P	P	17 52 23.2	+7.5
Q51A	Peebles baz=294	33.81 83	P	P	P	17 52 17.7	+1.4
R51A	Hillsboro baz=295	33.94 84	P	P	P	17 52 19.7	+2.3
LRAL	Lakeview Retre comp=Z,13nm,1.3s	33.99 95	eP	P	P	17 52 16.0	-1.8
LRAL	Lakeview Retre	33.99 95	eP	P	P	17 52 16.8	-1.1
V50A	Pikeville baz=298	34.03 90	P	P	P	17 52 21.4	+3.2
W50A	Signal Mountai baz=296	34.10 91	P	P	P	17 52 22.9	+4.0
S51A	Beattyville baz=296	34.22 86	P	P	P	17 52 22.9	+3.1
348A	Jackson baz=302	34.23 98	P	P	P	17 52 21.3	+1.4
X50B	Fort Payne baz=300	34.23 92	P	P	P	17 52 19.6	-0.3
149A	Jones baz=302	34.37 96	P	P	P	17 52 23.5	+2.3
Y50A	Pleasant baz=301	34.45 93	P	P	P	17 52 24.2	+2.3
249A	Camden baz=303	34.47 97	P	P	P	17 52 28.6	+6.6
U51A	La Follette baz=298	34.48 88	P	P	P	17 52 27.0	+4.8
W51A	Cleveland baz=299	34.52 90	P	P	P	17 52 23.9	+1.4
R52A	Cattlettsburg baz=295	34.59 84	P	P	P	17 52 28.7	+5.7
Z50A	Ashland comp=Z,62nm,1.8s	34.64 94	eP	P	P	17 52 22.1	-1.5
Z50A	Ashland	34.64 94	eP	P	P	17 52 29.3	+5.7
ZTZN	Fazewell baz=297	34.74 87	P	P	P	17 52 24.8	+0.5
X51A	Calhoun comp=Z,101nm,1.9s	34.74 91	eP	P	P	17 52 23.1	-1.3
X51A	Calhoun	34.74 91	eP	P	P	17 52 25.8	+1.4
349A	Repton baz=304	34.76 98	P	P	P	17 52 25.9	+1.4
150A	Eclectic baz=302	34.91 95	P	P	P	17 52 29.8	+4.0
Y51A	Rockmart baz=301	34.93 92	P	P	P	17 52 23.1	-3.0
U52A	Thorn Hill baz=298	34.94 87	P	P	P	17 52 17.0	-9.0
TKL	Tuckaleechee C comp=Z,5um,20.1s,baz=296,slow=37	34.99 89	LR			18 07 37.4	
ERPA	Erie baz=291	35.00 76	P	P	P		

8d 22h

Table with columns: BATI, Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like Baumata, Sorong, WRA, ASAR, TGY, MKAR.

JMA 08 22:20:59.9, 0.1, 23.75N, 121.49E, h52km, 3km, M3.3
ISCJB 08 22:21:00.9, 0.2, 23.81N, 121.58E, 0.01, h50km,
Error ellipse: s-maj=2.2km s-min=1.5km az=42.1
TAP 08 22:21:00.9, 23.81N, 121.53E, h45km, ML3.8, B
ISC 08 22:21:01.4, 1.2, 23.81N, 121.56E, 0.02, h50km, n103,
c192/169, 15C-14D, Taiwan

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including ENLB, ESL, HWA, EGFH, TWD, EHY, WHF, CHGB, YULB, TWF1, SSLB, TWT, TDCB, DPDB, ENA, NANB, YUS, TYC, TYC, NNS, FULB, CHKT, ALS, WJS, WJS, ELDTW, WNT, ENT, CHNS, TWC, TWC, YHNB, YHNB, NSK, EOS1, EOS1, TWE, WDGK, WDLH, NSY, NSY, WCHH, WCHH, NSTT, NSTT.

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Main station list table with columns: NWLT, LIOB, STYT, TPUB, NMLH, NMLH, WTP, WTP, NTC, TWG, TWG, TWG, TWG, CHY, CHY, TWH, RLNB, RLNB, SBCB, TWK, TWK, HSN, HSN, CHN1, CHN1, TATO, TATO, SLGT, SLGT, WTCT, WTCT, TIPB, TIPB, WLBG, WLBG, NCUH, NCUH, NCU, NCU, WSF, WSF, TWB1, TWB1, NWF, NWF, WFSB, WFSB, TWS1, TWS1, TWS1, TWS1, CHN8, ECL, YM04, YM04, YM05, YM05, YM11, YM11, NTST, NTST, SSD, SSD, YM03, YM03, YM12, YM12, SCLT, SCLT, SCLT, SCLT, JYNG, JYNG, JYNG, JYNG, TTY, TTY, MASBT, MASBT, MASBT, MASBT, YOJ, YOJ, YOJ, YOJ, TAW, TAW, LAY, LAY, WDGJ, WDGJ, PHUB, PHUB, PHUB, PHUB, PNG, PNG, PNG, PNG, HEN, HEN, TWK1, TWK1, TWK1, TWK1, IRIF, IRIF.

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Table with columns: IRIF, HATJ, HATJ, WYUC, WYUC, JKRS, JKRS, JIJ, JIJ, JISG, JISG, MATB, MATB, KNM, KNM, KNMB, KNMB, JTJ, JTJ, JTJ, IRIB, IRIB. Includes station names and associated data.

IDC 08 22:37:09.2, 0.9, 46.42N, 154.94E, h0km, mb3.8/15,
mb1.3/9/16, mb1mx3.7/75, mbtmp3.8/16, ML2.2, MS2.6/1,
Ms1.2, 6/1, ms1mx2.0/73, Error ellipse: s-maj=25.0km
s-min=19.0km az=95.0
ISCJB 08 22:37:10.5, 0.7, 46.34N, 154.94E, h0km, mb3.8/17,
mb3.8/17, Error ellipse: s-maj=16.1km s-min=8.4km
az=148.1
SKHL 08 22:37:12.2, 0.8, 45.53N, 154.99E, h68km, 7km, mb4.6/3
NEIC 08 22:37:14.6, 0.8, 46.50N, 154.93E, h35km, mb4.4/1, Error
ellipse: s-maj=17.4km s-min=11.5km az=130.0
MOS 08 22:37:17.0, 2.7, 46.30N, 154.39E, h68km, mb4.2/8, Error
ellipse: s-maj=13.4km s-min=10.9km az=66.4
ISC 08 22:37:13.3, 1.3, 46.5N, 154.6E, 0.1, h18km, n53,
c1561/46, mb3.9/17, 4C, East of Kuril Islands

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations including SKR, SKR, SKR, SKR, KUR, KUR, KUR, KUR, SHO, SHO, SHO, SHO, SHO, SHO, SHO, SHO, YUK, YUK, YUK, PETK, PETK, PETK, ERM, ERM, ERM, MA2, MA2, KLR, KLR, KLR, KLR, KSAR, KSAR, H1N2, H1N2, H1N1, H1N1, H1N3, H1N3, H1S1, H1S1, H1S3, H1S3, H1S2, H1S2, ZALV, ZALV, MKAR, MKAR, MKAR, MKAR, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, ARCES, ARCES, ARCES, ARCES, AKTO, AKTO, FINES, FINES, WRA, WRA, NB2, NB2, NOA, NOA, NOA, NOA, HFS, HFS, ASAR, ASAR.

060Z	West Palm Beac	27.10	71	P	P	02 40 23.8	-0.1
H04D	Lebanon	27.10	338	P	P	02 40 23.5	-0.2
N43A	Stutzman Famil	27.11	35	P	P	02 40 23.7	-0.1
457A	Yulee	27.14	61	P	P	02 40 23.6	-0.6
I02D	Swisshome	27.14	336	P	P	02 40 24.2	+0.1
M42A	Sheffield	27.17	33	P	P	02 40 23.8	-0.6
X53A	Estanolee	27.18	52	P	P	02 40 23.9	-0.7
L41A	Preston	27.26	31	P	P	02 40 25.9	+0.3
I36A	Fitzsimmons Fa	27.27	24	P	P	02 40 24.9	-0.2
G05D	Wamic, OR	27.28	341	P	P	02 40 25.1	-0.2
256A	Glennville	27.30	58	P	P	02 40 25.6	0.0
T50A	Nancy	27.31	46	P	P	02 40 25.9	+0.2
J38A	Wedel Dairy, R	27.32	27	P	P	02 40 24.9	-0.8
P46A	Rosedale	27.33	39	P	P	02 40 25.7	-0.1
COR	Corvallis	27.36	338	eP	P	02 40 30.8	+4.8
TKL	Tuckaleechee C	27.36	49	eP	P	02 40 26.8	+0.6
TKL	Tuckaleechee C	27.36	49	eP	P	02 40 27.2	+1.0
TKL	Tuckaleechee C	27.36	49	eP	P	02 40 27.2	+1.0
060A	Indiantown	27.36	69	P	P	02 40 25.3	-1.0
Y54A	Tignall	27.37	54	P	P	02 40 25.6	-0.7
Q47A	Bedord North L	27.38	41	P	P	02 40 25.9	-0.3
R48A	Northridge Ran	27.40	43	P	P	02 40 25.7	-0.7
K40A	Colesburg	27.43	30	P	P	02 40 25.8	-0.8
S49A	Springfield	27.43	44	P	P	02 40 26.0	-0.7
O45A	Potomac	27.44	37	P	P	02 40 26.3	-0.5
357A	Townsend	27.44	60	P	P	02 40 25.3	-1.6
BLO	Bloomington	27.46	41	eP	P	02 40 28.4	+1.4
BLO	Bloomington	27.46	41	eP	P	02 40 28.4	+1.4
F07A	Phinny Hill Vi	27.48	344	eP	P	02 40 31.2	+4.1
I37A	Lemond, Waseca	27.50	25	eP	P	02 40 25.2	-2.1
I37A	Lemond, Waseca	27.50	25	P	P	02 40 26.6	-0.8
PAYG	Puerto Ayora	27.53	136	PFAKE	LR	02 40 40.0	+1.2
H35A	Sunnyside Ranc	27.54	22	P	P	02 40 26.5	-1.1
U51A	La Follette	27.54	48	P	P	02 40 27.5	-0.3
Z55A	Blythe	27.55	56	P	P	02 40 26.2	-1.6
M43A	Waltham Townsh	27.58	34	P	P	02 40 26.7	-1.3
N44A	Piper City	27.58	36	P	P	02 40 27.6	-0.4
V52A	Sevierville	27.58	49	eP	P	02 40 28.7	+0.6
V52A	Sevierville	27.58	49	P	P	02 40 28.4	+0.2
W53A	Cullowhee	27.58	51	P	P	02 40 27.7	-0.5
L42A	Oliver, Polo	27.62	32	eP	P	02 40 29.8	+1.4
L42A	Oliver, Polo	27.62	32	P	P	02 40 27.3	-1.1
E09A	Wood Farm, Sta	27.63	347	eP	P	02 40 30.4	+2.0
E09A	Decorah	27.67	28	eP	P	02 43 47.1	+1.4
J39A	Lake Jocassee	27.67	51	eP	P	02 40 28.3	-0.7
KG3	Shullsburg	27.75	31	P	P	02 40 28.8	-0.7
H36A	Jessenland, He	27.77	24	P	P	02 40 29.4	+0.3
R49A	Shelbyville	27.79	43	P	P	02 40 29.8	-0.2
Q48A	North Vernon	27.80	42	P	P	02 40 29.6	-0.4
P47A	Martinsville	27.81	40	P	P	02 40 29.5	-0.6
HAWA	Hanford	27.84	345	eP	P	02 40 34.3	+4.0
HAWA	Sylvania	27.84	57	P	P	02 40 29.3	-1.2
SFIN	Lafayette	27.89	38	eP	P	02 40 31.5	+0.8
G03D	McMinville, O	27.89	338	P	P	02 40 31.2	+0.5
T51A	Gray	27.89	47	P	P	02 40 30.7	-0.1
F05D	White Salmon	27.90	341	P	P	02 40 30.9	0.0
TZ7N	Tazewell	27.95	48	eP	P	02 40 32.9	+1.4
TZ7N	Tazewell	27.95	48	P	P	02 40 30.5	-1.0
SS0A	Richmond	27.96	45	P	P	02 40 31.1	-0.4
N45A	Kentland	27.96	37	P	P	02 40 31.6	+0.2
I37A	Scanlan Farm,	27.96	26	P	P	02 40 31.1	-0.4
258A	Skidaway Islan	27.99	59	P	P	02 40 31.8	+0.1
U52A	Thorn Hill	28.01	48	P	P	02 40 31.5	-0.5
JFWS	Jewell Farm	28.01	31	eP	P	02 40 35.2	+3.3
JFWS	Jewell Farm	28.01	31	eP	P	02 40 35.2	+3.3
JFWS	Jewell Farm	28.01	31	eP	P	02 40 35.2	+3.3
JFWS	Jewell Farm	28.01	31	eP	P	02 40 35.2	+3.3
JFWS	Jewell Farm	28.01	31	eP	P	02 40 35.2	+3.3
M44A	Midewin, Midew	28.03	35	P	P	02 40 32.0	-0.1
V53A	Saluda	28.06	50	eP	P	02 40 33.7	+1.2
V53A	Saluda	28.06	50	P	P	02 40 31.5	-1.0
EGMT	Eagleton	28.15	359	eP	P	02 40 31.4	-1.7
EGMT	Eagleton	28.15	359	P	P	02 40 33.5	+0.4
J40A	Goulders Grove	28.15	29	P	P	02 40 33.0	-0.1
I39A	Houston	28.16	28	eP	P	02 40 35.5	+2.4
I39A	Houston	28.16	28	P	P	02 40 32.9	-0.3
H37A	Dierke Farm, C	28.17	25	P	P	02 40 33.9	-0.2
JTMT	Jette	28.17	353	eP	P	02 40 35.2	+1.8

L43A	Garden Prairie	28.22	33	P	P	02 40 33.2	-0.6
P48A	Milroy	28.31	41	P	P	02 40 33.8	-0.8
D08A	Wallman Farm,	28.32	346	eP	P	02 40 38.5	+4.0
R50A	Paris	28.33	44	P	P	02 40 33.6	-1.2
O47A	Sheridan	28.33	39	P	P	02 40 33.4	-1.4
K42A	Prairie Point,	28.35	32	P	P	02 40 34.3	-0.6
Q49A	Aurora	28.38	42	P	P	02 40 33.7	-1.4
N46A	Mocello	28.43	37	P	P	02 40 35.5	-0.2
J41A	Loganville	28.47	30	P	P	02 40 35.4	+0.5
M45A	Boilermakers S	28.47	36	P	P	02 40 35.1	-0.8
S51A	Beattyville	28.48	46	eP	P	02 40 37.2	+1.1
S51A	Beattyville	28.48	46	P	P	02 40 34.9	-1.2
H38A	Maiden Rock	28.50	26	P	P	02 40 36.1	-0.2
U53A	Fall Branch	28.55	49	P	P	02 40 36.5	-0.3
F04D	Rairor, OR	28.57	340	P	P	02 40 37.5	+0.7
I40A	Norwalk	28.59	29	P	P	02 40 36.8	-0.2
T52A	Hallix	28.62	47	P	P	02 40 36.5	-1.0
JSC	Jenkinsville	28.63	54	eP	P	02 40 38.9	+1.4
JSC	Jenkinsville	28.63	54	eP	P	02 40 38.9	+1.4
L44A	Lake County Fo	28.65	34	P	P	02 40 37.6	0.0
SPMN	Marine on St.	28.75	24	eP	P	02 40 39.1	+0.7
SPMN	Marine on St.	28.75	24	P	P	02 40 38.6	+0.2
LOH	Longmire	28.79	342	eP	P	02 40 38.6	-0.2
LOH	Longmire	28.79	342	eP	P	02 40 38.6	-0.2
P49A	Miami Univ. Ec	28.80	42	P	P	02 40 39.0	+0.1
K43A	Burlington	28.81	33	P	P	02 40 39.1	+0.1
R51A	Hillsboro	28.84	45	P	P	02 40 38.2	-1.0
E04D	Cinebar	28.84	341	P	P	02 40 39.3	+0.1
S52A	Salysville	28.85	46	P	P	02 40 39.0	-0.4
J42A	Columbus	28.86	31	P	P	02 40 39.5	0.0
DGMT	Dagmar	28.87	7	eP	LR	02 40 43.9	+4.3
DGMT	Dagmar	28.87	7	P	LR	02 40 38.9	-0.6
Q50A	Georgetown	28.87	44	P	P	02 40 38.8	-0.8
KM5C	Kings Mountain	28.92	52	eP	P	02 40 41.3	+1.2
KM5C	Kings Mountain	28.92	52	P	P	02 40 38.8	-1.3
H39A	Augusta	28.92	27	P	P	02 40 39.9	-0.1
LTY	Liberty	28.94	344	eP	P	02 40 41.2	+1.1
O48A	Farland	28.96	40	P	P	02 40 38.5	-1.8
M46A	Old House Fiel	28.98	37	P	P	02 40 39.6	-0.9
MDND	Maddock	29.03	13	eP	P	02 40 44.1	+3.2
MDND	Maddock	29.03	13	P	P	02 40 40.7	-0.2
NH5C	New Hope	29.04	57	eP	LR	02 40 43.7	+2.5
NH5C	New Hope	29.04	57	P	LR	02 40 39.7	-1.4
I41A	Arkdale	29.06	29	P	P	02 40 40.2	-1.0
G38A	Ridgeland	29.08	26	P	P	02 40 40.2	-1.1
CSU	Charleston Sou	29.08	57	eP	P	02 40 46.1	+4.6
NEW	Newport	29.10	349	P	LR	02 40 37.5	-4.1
NEW	Newport	29.10	349	eP	LR	02 52 39.4	
NEW	Newport	29.10	349	eP	LR	02 40 40.3	-1.3
NEW	Newport	29.10	349	eP	LR	02 40 40.3	-1.3
NEW	Newport	29.10	349	eP	MLR	02 40 41.5	-0.1
NEW	Newport	29.10	349	P	MLR	02 40 39.0	-3.0
E03A	Lebam	29.16	339	eP	P	02 40 42.2	-0.5
F37A	Hinche Farm,	29.23	24	P	P	02 40 44.7	+1.9
D05A	Enumclaw	29.24	342	eP	P	02 40 42.1	-0.9
J43A	Natural Harves	29.25	32	P	P	02 40 42.1	-0.9
H40A	Chili	29.27	28	P	P	02 40 42.1	-0.9
Q51A	Peebles	29.38	44	eP	P	02 40 45.1	+1.0
Q51A	Peebles	29.38	44	P	P	02 40 43.2	-0.9
I42A	Draeger Farm,	29.39	31	P	P	02 40 43.7	-0.4
O49A	Covington	29.42	41	eP	P	02 40 45.2	+0.7
O49A	Covington	29.42	41	P	P	02 40 44.1	-0.3
P50A	Jamestown	29.42	42	P	P	02 40 43.7	-0.8
WALA	Waterton Lakes	29.43	354	eP	P	02 40 47.8	+3.3
G39A	Holcombe	29.46	26	P	P	02 40 44.0	-0.8
D04D	Lakebay	29.46	341	P	P	02 40 44.5	-0.2
R52A	Cattlettsburg	29.48	46	P	P	02 40 44.5	-0.5
H41A	Junction City	29.49	29	P	P	02 40 45.3	-0.6
C06D	Leavenworth	29.61	344	P	P	02 40 46.0	0.0
B08A	Colville Reser	29.64	346	eP	P	02 40 46.7	+0.4
F38A	Pierce - Schro	29.72	25	P	P	02 40 46.1	-0.9
I43A	Lansford Bro	29.76	32	P	P	02 40 46.0	-1.3
O50A	Cable	29					

9d 2h

Table with columns: Team, Score, Position, Status, Time, etc. Includes teams like PSUB Penn St., SADO Sadowa, SADO Sadowa, etc.

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Table with columns: ANWB Willy Bob, NNA Nana, NNA Nana, etc. Includes teams like ANWB Willy Bob, NNA Nana, NNA Nana, etc.

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Table with columns: RDOG Red Dog Mine, SIV San Ignacio, SFJD Kangerlussuaq, etc. Includes teams like RDOG Red Dog Mine, SIV San Ignacio, SFJD Kangerlussuaq, etc.

Table with columns: DIVS, Divibare, 2.27 86 ePn, Pb, 03 52 48.8 -1.7, etc. Includes stations like Podgorica, Ivanjica, Cerknica, etc.

SOME 09 04:03:50.4, 37.28N, 70.42E, h5km
NINC 09 04:03:57.0, 2.1, 36.78N, 70.49E, h162km, 35km, mb2.9,
mpv3.9. Error ellipse: s-maj=22.5km s-min=15.8km
az=58.0

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC. Includes stations like Suffi-Kurgan, Iuzhnyy, Manas, etc.

NDI 09 04:08:51.4, 3.3, 26.23N, 93.65E, h34km, 21km, ML3.1
ISC 09 04:08:51.3, 1.1, 26.22N, 93.59E, 0.04, h27km, 15km,
n9, 0.19/23/14, Northeastern India

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC. Includes stations like KOHI, TEZPUR, MOKOCHONG, etc.

BJI 09 04:18:13.3, 44.13N, 129.35W, h10km, mb4.8/8, mB5.3/5,
Ms4.6/2, Ms7.4, 4.2
IDC 09 04:18:14.7, 0.8, 44.51N, 129.60W, h0km, mb3.9/19,
mb1.4, 0.25, mb1mx3.9/74, mbmp3.9/25, ML3.6/6, MS3.8/36,
Ms1.3.8/36, ms1mx3.6/72, Error ellipse: s-maj=21.4km
s-min=11.3km az=45.0
ISCJB 09 04:18:16.4, 0.2, 44.57N, 129.59W, 0.03, h13km,
mb4.3/69, MS3.8/29, Error ellipse: s-maj=4.1km
s-min=2.4km az=137.3
GCMT 09 04:18:17.2, 0.5, 44.29N, 129.85W, 0.03, h18km, 2km,
MW4.8/79, Moment Tensor Solution, t12, 14: -879, c101;
Duration: 0 Moment tensor: Scale 1016Nm; Mrr, 0.09; 14;
Mss, -1.70; 11; Mss, 1.61; 11; Mss, -0.59; 26; Mss, -1.00; 08;
Mss, 0.09; 23; Best double couple: M2, 0.0190; 10; 16
NP1, 0.120, 0.0000; 886, 0.0000; 1, -164, 0.0000; NP2:
0.2930, 0.0000; 874, 0.0000; 1, -4, 0.0000; Principal axes: T
1.9230, P1g8.0000; Azm253.0000; N 0.1930,
P1g74.0000; Azm135.0000; P -2.1160, P1g14.0000;

Azm345.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function
NEIC 09 04:18:18.3, 0.4, 44.60N, 129.59W, h10km, mb4.5/95 Error
ellipse: s-maj=7.1km s-min=3.5km az=218.0
ISC 09 04:18:18.1, 0.5, 44.56N, 129.57W, 0.07, h13km,
n423, 0.1961/383, mb4.5/69, MS3.8/30, Off coast of
Oregon

Main table with columns: Code, Station Name, A° AZ°, Phase ID, Time, Res, ISC. Includes stations like I02D, KEBM, J01D, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Includes stations like TPVW, BGU, BOZ, etc.

9d 4h

Table with columns: Station, Time, Res, and other data. Includes stations like RSSD Black Hills, ISCO Idaho Springs, S22A 4UR Ranch, etc.

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Table with columns: Station, Time, Res, and other data. Includes stations like M38A Pleasantville, TUL1 Leonard, P38A Dawn, etc.

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Table with columns: Station, Time, Res, and other data. Includes stations like H11S1 WAKE ISLAND Hy 58.61, H11S2 WAKE ISLAND Hy 58.62, etc.

SOME 09:04:20:58.6; 39:88N; 76:68E; h10km
KINET 09:04:20:58.6; 1.39176N; 76:70E; mb2.6
ISC 09:04:20:58.6; 2.2, 39.8N; 0.77; 04E; 0.08; h25km, n12.

Table with columns: Code, Station Name, Time, Res, and other data. Includes stations like ULH1 Ulahol, ULH2 Ulahol, SFK Sufi-Kurgan, etc.

ISCJB 09 05:49:55.4-0.1,30.37N,0.02-94.87E,0.02,h23km, mb4.7/11.4, Error ellipse: s-maj=2.8km s-min=2.6km az=142.7

NEIC 09 05:49:55.1-0.1,30.32N,94.85E,h10km,mb4.9/50, Error ellipse: s-maj=4.0km s-min=3.3km az=47.0

MOS 09 05:49:56.1-0.9,30.36N,94.89E,h29km,mb5.1/47, Error ellipse: s-maj=7.9km s-min=4.3km az=122.6

ISC 09 05:49:57.3-0.3,30.37N,0.03-94.84E,0.03,h23km,n312, r1566/335,mb4.8/113,28C-7D,Xizang

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

Table with columns: XAN, Xi'an, 12.48, 69, P, Pmax, 05 52 59.7, -5.4. Lists seismic stations in Xi'an and their recorded data.

Table with columns: USP, Osenovka, 20.69, 314, P, Pmax, 05 54 36.3, +0.5. Lists seismic stations in Osenovka and their recorded data.

ISK 09 07:16:17.7, 37.00N-27.61E, h12km, 4km, ML2.0/6
DDA 09 07:16:18.1, 36.99N-27.64E, h7km, ML2.6, Suspected
Mining explosion.

ISC 09 07:16:17.2-1.1, 36.99N-0.03-27.69E, 0.103, h18km, 3km,
n16, $e_{206}/24$, Dodecanese Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Kayabasi, Datca-Mugla, etc.

SOME 09 07:30:41.0, 43.90N-82.82E, h10km
NNC 09 07:30:47.3-2.9, 44.23N-82.42E, h18km, 11km, mb2.9,
mpv2.4, Error ellipse: s-maj=32.2km s-min=5.8km
az=121.0

ISC 09 07:30:44.4-1.7, 44.11N-0.09-82.59E, 0.08, h10km, n16,
$e_{204}/32$, 4C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Ketmen, Jarkent, etc.

IDC 09 07:36:34.9-1.7, 30.146N-84.81E, h0km, mb3.77,
mb1.3/8.10, mb1mx3.6/8, mbtmp3.7/10, ML3.7/3, Error
ellipse: s-maj=40.4km s-min=30.4km az=59.0

ISCJB 09 07:36:36.5-0.8, 30.5N-0.194-9E, 0.2, h2km, mb3.6/6,
Error ellipse: s-maj=26.7km s-min=13.8km az=159.3

ISC 09 07:36:38.8-1.0, 30.5N-0.194-9E, 0.2, h2km, n10,
$e_{129}/10$, mb3.6/5, Kizang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Chiang Mai Arr, Makanchi Array, etc.

NEIC 09 07:39:39.0-0.0, 46.40S-165.70E, h33km, ML4.9(WEL),
After WEL.

WEL 09 07:39:41.3-1.2, 47.56S-166.6E, h12km, ML5.0/11
IDC 09 07:39:44.4-1.1, 45.49S-165.63E, h0km, mb4.0/2,
mb1.4/3.4, mb1mx4.0/39, mbtmp4.1/4, ML3.9/2, MS3.8/15,
Ms1.3/8.15, ms1mx3.6/37, Error ellipse: s-maj=47.1km
s-min=23.6km az=173.0

ISC 09 07:39:45.9-1.2, 46.37S-0.05-126.83E, 0.06, h2km, 7km,
n70, $e_{157}/67$, mb4.0/3, MS3.9/14, 1C, Off west coast of
South Island

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Puysegur Point, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Deep Cove, Wether Hill Ro, etc.

ODZ Otahua Downs 3.27 68 Pn Pn 07 40 33.5 -1.8

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Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Lists stations like Siv, PB14, etc.

GUARDACOL comp=Z, 2.1nm, 0.3s, baz=219, slow=9.6, SNR=40

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GUARDACOL comp=Z, 2.1nm, 0.3s, baz=219, slow=9.6

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like ASAJ, ASAHIKAWA, ERIMO, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like KSAR, WJUN, INCN, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like ZALV, KMI, KUNMING, etc.

Table with columns: YBH, Yreka Blue Hor, 60.10, 60 LR, LR, 08 41 59.3, KBL, Kabul, 60.95 291 eP, P, 08 21 04.6 -0.9, KBL, Kabul, 60.95 291 eP, P, 08 21 04.6 -0.9, J08A, Circle Bar Ran, 67.16 56 eP, P, 08 21 11.7 +1.5, PSI, Prapat, 61.76 243 P, P, 08 21 11.2 +0.2, WVOR, Wild Horse Val, 62.13 57 eP, P, 08 21 14.9 +1.6, SUMG, Summit, 62.39 3 eP, P, 08 21 14.7 -0.1, SUMG, Summit, 62.39 3 iP, P, 08 21 14.4 -0.4, SUMG, Summit, 62.39 3 iP, P, 08 21 14.4 -0.4, BEKR, Beckworth, 62.64 60 eP, P, 08 21 18.0 +1.3, FFC, Flin Flon, 63.11 38 eP, P, 08 21 20.0 +0.6, FFC, Flin Flon, 63.11 38 eP, P, 08 21 20.0 +0.6, VCNR, Virginia City, 63.42 60 eP, P, 08 21 22.9 +1.0, LRM, Limekiln Ridge, 63.59 51 eP, P, 08 21 24.4 +1.4, HLID, Hailey, 63.90 54 eP, P, 08 21 26.5 +1.5, BOZ, Bozeman (W), 64.19 51 eP, P, 08 21 27.9 +1.1, BOZ, Bozeman (W), 64.19 51 eP, P, 08 21 27.9 +1.1, BOZ, Bozeman (W), 64.19 51 eP, P, 08 21 27.9 +1.1, BMN, Battle Mountain, 64.19 58 eP, P, 08 21 28.8 +1.9, KVN, Kaisersville, 64.52 60 eP, P, 08 21 30.9 +1.7, KVN, Kaisersville, 64.52 60 eP, P, 08 21 30.9 +1.7, FINES, FINESS Array B, 64.68 334 P, P, 08 21 28.2 -1.4, FINES, FINESS Array B, 64.68 334 P, P, 08 21 28.2 -1.4, FINES, FINESS Array B, 64.68 334 P, P, 08 21 28.2 -1.4, FINES, FINESS Array B, 64.68 334 P, P, 08 21 28.2 -1.4, NV01, Mina Array Sit, 64.78 60 eP, P, 08 21 32.1 +1.2, NV01, Mina Array Sit, 64.78 60 eP, P, 08 21 32.1 +1.2, NVAR, Mina Array Bea, 64.78 60 eP, P, 08 21 31.4 +0.5, NV11, Mina Array Sit, 64.87 60 eP, P, 08 21 33.0 +1.6, NV11, Fox Creek, 65.76 52 eP, P, 08 21 36.6 +1.4, GEYT, Alibeck, 65.84 300 P, P, 08 21 36.1 -1.5, GEYT, Alibeck, 65.84 300 P, P, 08 21 36.1 -1.5, GYAOB, ALIBECK ARRAY, 65.84 300 eP, P, 08 21 37.4 -0.2, MOOV, Moose Ponds, 65.85 52 eP, P, 08 21 39.1 +1.4, TPWA, Teton Pass, 65.90 52 eP, P, 08 21 38.2 +0.1, HVU, Hansel Valley, 65.96 54 eP, P, 08 21 39.2 +0.8, HVU, Hansel Valley, 65.96 54 eP, P, 08 21 39.2 +0.8, LOHW, Long Hollow, 66.01 52 eP, P, 08 21 40.2 +1.4, SNOW, Snow King Moun, 66.03 52 eP, P, 08 21 40.0 +1.1, REDW, Red Top Meadow, 66.03 52 eP, P, 08 21 40.3 +1.4, WRAB, Wrabben Creek, 66.44 197 iP, P, 08 21 37.7 -3.7, WRA, Warramunga Arr, 66.45 197 P, P, 08 21 42.2 +0.7, R11A, Troy Canyon, C, 66.49 59 eP, P, 08 21 42.9 +1.0, FITZ, Fitzroy Crossi, 66.91 206 P, P, 08 21 45.6 +1.3, DUG, Dugway, Tooele, 66.95 56 eP, P, 08 21 46.0 +1.2, DUG, Dugway, Tooele, 66.95 56 eP, P, 08 21 46.0 +1.2, DUG, Dugway, Tooele, 66.95 56 eP, P, 08 21 46.0 +1.2, DUG, Dugway, Tooele, 66.95 56 eP, P, 08 21 46.0 +1.2, TPNV, Topopah Spring, 66.98 60 eP, P, 08 21 46.0 +1.0, TPNV, Topopah Spring, 66.98 60 eP, P, 08 21 46.0 +1.0, FRB, Frobrisher Bay, 67.12 18 LR, LR, 08 54 07.5, BW06, Boulder Array, 67.14 52 eP, P, 08 21 46.7 +0.6, PD31, Pinedale Array, 67.14 52 eP, P, 08 21 46.7 +0.6, PDAR, Pinedale Array, 67.14 52 eP, P, 08 21 46.7 +0.6, PDAR, AFI, 67.14 52 eP, P, 08 21 47.0 +0.9, CCUT, Cedar City, 68.34 56 eP, P, 08 21 54.9 +1.2, LCMT, Little Creek, 68.77 59 eP, P, 08 21 57.6 +1.4, ULM, Lac du Bonnet, 68.89 39 P, P, 08 21 56.4 -0.2, SRU, San Rafael Sub, 69.00 55 eP, P, 08 21 58.6 +0.9, NB2, NORARS Subarra, 69.12 340 P, P, 08 21 56.2 -1.7, NOA, NORARS Array B, 69.12 340 P, P, 08 21 56.6 -1.3, NOA, NORARS Array B, 69.12 340 P, P, 08 21 56.6 -1.3, NOA, NORARS Array B, 69.12 340 P, P, 08 21 56.6 -1.3, HFS, Hagfors, 69.28 339 P, P, 08 21 57.6 -1.2, HFS, Hagfors, 69.28 339 P, P, 08 21 57.6 -1.2, GOF, Goftitskoye, 69.63 314 eP, P, 08 22 01.7 +0.5, G15A, North Rim, 69.73 59 eP, P, 08 22 03.6 +1.2, AS01, Alice Springs, 70.15 196 eP, P, 08 22 04.8 +0.2, ASAR, Alice Springs, 70.15 196 eP, P, 08 22 06.2 +1.5, ASAR, Alice Springs, 70.15 196 eP, P, 08 22 06.2 +1.5, PV10, Paradox Valley, 70.35 55 eP, P, 08 22 07.9 +1.8, PV17, Pilot Hill, 70.39 51 eP, P, 08 22 09.9 +3.6, PV22, Blue Mesa, Par, 70.53 55 eP, P, 08 22 06.9 +0.6, NCK, Nalchik, 70.58 312 iP, P, 08 22 06.4 +0.2, PV17, East Wyr Mesa, 70.46 55 eP, P, 08 22 07.8 +1.0, PV18, Skein Mesa, Pa, 70.52 55 eP, P, 08 22 07.9 +0.9, KIV, Kislovodsk, 70.58 313 eP, P, 08 22 07.5 +0.3, KIV, Kislovodsk, 70.58 313 eP, P, 08 22 08.0 +0.8, KIV, Kislovodsk, 70.58 313 eP, P, 08 22 07.5 +0.3, PV13, Radium Mtn., P, 70.63 55 eP, P, 08 22 08.9 +1.1

Table with columns: KBZ, Khabaz, 70.63 313 P, P, 08 22 07.2 -0.1, KBZ, Khabaz, 70.63 313 P, P, 08 22 07.2 -0.1, ZEI, Tsey, 70.76 312 eP, P, 08 22 03.9 -4.6, WUAZ, Wupatki, 70.89 59 eP, P, 08 22 10.1 +0.8, WUAZ, Wupatki, 70.89 59 eP, P, 08 22 10.1 +0.8, TBLG, Delisi, 71.05 310 eP, P, 08 22 11.1 +1.1, TBLG, Delisi, 71.05 310 eP, P, 08 22 11.1 +1.1, NEY, Neytrino, 71.06 313 iP, P, 08 22 10.4 +0.2, ISCO, Idaho Springs, 71.34 52 eP, P, 08 22 13.5 +1.4, X16A, Lo Mia Camp, 71.59 60 eP, P, 08 22 15.1 +1.6, AKASG, Malin Array Be, 71.83 325 P, P, 08 22 13.0 -1.5, AKASG, Malin Array Si, 71.83 325 eP, P, 08 22 12.8 -1.7, AKKB, Malin Array Si, 71.83 325 eP, P, 08 22 12.8 -1.7, KIEV, Kiev, 71.84 325 eP, P, 08 22 12.7 -1.8, KIEV, Kiev, 71.84 325 eP, P, 08 22 12.7 -1.8, KIEV, Kiev, 71.84 325 iP, P, 08 22 12.8 -1.8, AKH, Akhalkalaki, 71.94 311 iP, P, 08 22 16.6 +1.2, KLNK, Kaliningrad, 72.02 332 iP, P, 08 22 16.9 +1.4, S22A, AUR Ranch, Crs, 72.06 54 eP, P, 08 22 18.0 +1.5, GNI, Garni, 72.15 309 LR, LR, 08 56 36.1, GNI, Garni, 72.15 309 eP, P, 08 22 17.6 +0.8, SORM, Soroca, 74.19 324 iP, P, 08 22 27.6 -0.8, ANMO, Albuquerque, 74.21 56 iP, P, 08 22 28.0 -1.1, I37A, Lemond, Waseca, 74.63 42 eP, P, 08 22 31.6 +0.4, I37A, Wadi Sarin, 75.17 288 LR, LR, 08 22 45.9 +0.6, KWP, Kalwaripa Jaxa, 75.22 328 eP, P, 08 22 34.7 +0.2, KWP, Kalwaripa Jaxa, 75.22 328 eP, P, 08 22 34.7 +0.2, F41A, Three Lakes, 75.28 39 eP, P, 08 22 35.0 +0.1, SCHO, Schefferville, 75.45 21 LR, LR, 09 01 03.3, BUR08, Bucovina Ar. S, 75.87 325 eP, P, 08 22 38.0 -0.4, BUR04, Bucovina Ar. S, 75.88 325 eP, P, 08 22 38.0 -0.4, BURAR, Bucovina Array, 75.88 325 iP, P, 08 22 38.0 -0.4, TESR, Tescani, 76.18 324 iP, P, 08 22 37.8 -2.8, CRVS, Cervencia-Dubn, 76.29 328 eP, P, 08 22 37.8 -2.8, CRVS, Cervencia-Dubn, 76.29 328 eP, P, 08 22 37.8 -2.8, CRVS, Cervencia-Dubn, 76.29 328 eP, P, 08 22 37.8 -2.8, TRPA, Carpallu, 76.60 322 iP, P, 08 22 43.1 +0.8, LANS, Liptovska Anna, 76.81 329 eP, P, 08 22 44.5 +0.9, LANS, Liptovska Anna, 76.81 329 eP, P, 08 22 44.5 +0.9, MORC, Moravsky Berou, 76.97 331 iP, P, 08 22 43.8 -0.6, MORC, Moravsky Berou, 76.97 331 eP, P, 08 22 43.8 -0.6, MORC, Moravsky Berou, 76.97 331 eP, P, 08 22 43.8 -0.6, MORC, Moravsky Berou, 76.97 331 eP, P, 08 22 43.8 -0.6, AMTX, Amillo, 77.07 53 eP, P, 08 22 45.7 +0.7, TIRR, Tirusor, 77.05 322 iP, P, 08 22 45.0 +0.1, TLB, Topalu, 77.11 322 iP, P, 08 22 45.2 0.0, CLL, Colim, 77.13 334 eP, P, 08 22 44.2 -1.0, CLL, Colim, 77.13 334 eP, P, 08 22 44.2 -1.0, CLL, Colim, 77.13 334 iP, P, 08 22 44.2 -1.0, CLL, Colim, 77.13 334 iP, P, 08 22 44.2 -1.0, MNTX, Corudas Moun, 77.13 58 eP, P, 08 22 46.2 +0.5, MLR, Muntele Rosu, 77.29 324 P, P, 08 22 46.5 +0.1, MLR, Muntele Rosu, 77.29 324 iP, P, 08 22 47.2 +0.8, MLR, Muntele Rosu, 77.29 324 eP, P, 08 22 46.0 -0.3, MLR, Muntele Rosu, 77.29 324 eP, P, 08 22 46.1 -0.3, ISR, Istrita, 77.33 323 iP, P, 08 22 46.8 +0.2, DRGR, Ion Corvin, 77.55 326 iP, P, 08 22 46.9 -0.9, VYHS, Yhne, 77.59 329 eP, P, 08 22 47.8 +0.4, VYHS, Yhne, 77.59 329 eP, P, 08 22 47.8 +0.4, VYHS, Yhne, 77.59 329 eP, P, 08 22 47.8 +0.4, VYHS, Yhne, 77.59 329 eP, P, 08 22 47.8 +0.4, YRAC, Yranov, 77.69 331 eP, P, 08 22 48.1 -0.2, YRAC, Yranov, 77.69 331 eP, P, 08 22 48.1 -0.2, JAVC, Velka Javorina, 77.70 330 eP, P, 08 22 48.8 +0.2, VOIR, Voiron, 77.71 324 iP, P, 08 22 48.7 0.0, GOPC, GO Pecny, Ondr, 77.77 333 eP, P, 08 22 48.6 -0.3, GOPC, GO Pecny, Ondr, 77.77 333 eP, P, 08 22 48.6 -0.3, PRU, Pruhonice, 77.79 333 AMS, AMS, 09 01 10.0, KRUC, Moravsky, 77.97 331 eP, P, 08 22 49.4 -0.6, MODS, Modra-Piesok, 78.25 330 P, P, 08 22 52.3 +0.7, MODS, Modra-Piesok, 78.25 330 eP, P, 08 22 52.3 +0.7, MODS, Modra-Piesok, 78.25 330 eP, P, 08 22 52.3 +0.7, BR131, Keskin Array B, 78.27 315 eP, P, 08 22 51.7 -0.8, BRTR, Keskin Array B, 78.27 315 P, P, 08 22 52.1 +0.1, BRTR, Keskin Array B, 78.27 315 P, P, 08 22 52.1 +0.1, WMOK, Wichita Moun, 78.75 52 eP, P, 08 22 54.7 +0.1, WMOK, Wichita Moun, 78.75 52 eP, P, 08 22 54.7 +0.1, WMOK, Wichita Moun, 78.75 52 eP, P, 08 22 54.7 +0.1, WMOK, Wichita Moun, 78.75 52 eP, P, 08 22 54.7 +0.1, KHC, Kasperske Hory, 78.84 333 eP, P, 08 22 54.8 -0.1, KHC, Kasperske Hory, 78.84 333 eP, P, 08 22 54.8 -0.1, KHC, Kasperske Hory, 78.84 333 eP, P, 08 22 54.6 -0.2, KHC, Kasperske Hory, 78.84 333 eP, P, 08 22 54.8 -0.1, BZS, Buzias, 78.95 326 iP, P, 08 22 55.1 -0.3, GEC2, GERESE Array S, 79.05 333 eP, P, 08 22 55.4 -0.7, GEC2, GERESE Array S, 79.05 333 eP, P, 08 22 55.4 -0.7, GERESE, GERESE Array B, 79.05 333 P, P, 08 22 55.6 -0.5, GERESE, GERESE Array B, 79.05 333 P, P, 08 22 55.6 -0.5, GEAO, GERESE Array S, 79.06 333 eP, P, 08 22 55.1 -1.0, CONA, Conrad Observa, 79.12 331 eP, P, 08 22 55.7 -0.7, HERR, Herculanu, 79.24 325 iP, P, 08 22 56.0 -1.0, LPAZ, La Paz, 79.40 67 LR, LR, 08 49 36.6, MDVR, Moldavia, 79.60 326 iP, P, 08 22 58.1 -1.0, MOA, Mollin, 79.73 332 eP, P, 08 22 59.4 -0.3, TX31, Lajitas Ar. Si, 79.85 59 eP, P, 08 23 01.3 +0.5, TXAR, Lajitas Array, 79.85 59 P, P, 08 23 01.8 +1.0

Table with columns: DSB, Dublin, 79.98 346 eP, P, 08 23 00.9 -0.0, DSB, Dublin, 79.98 346 eP, P, 08 23 00.9 -0.0, RAR, Rarotonga, 80.06 134 LR, LR, 08 23 21.3 +0.9, SOKA, Sokeby, 80.49 331 eP, P, 08 23 03.2 -0.6, KBA, Koelnbreinsper, 80.71 332 eP, P, 08 23 05.4 +0.3, VTS, Vitosh, 80.79 323 iP, P, 08 23 05.2 -0.5, VTS, Vitosh, 80.79 323 eP, P, 08 23 05.6 -0.1, VTS, Vitosh, 80.79 323 eP, P, 08 23 05.6 -0.1, OBKA, Obir, 80.80 331 eP, P, 08 23 05.0 -0.5, DIVS, Divibare, 80.85 326 eP, P, 08 23 04.4 -1.5, WATA, Walderalm, 81.06 333 eP, P, 08 23 06.4 -0.6, WTTA, Wattenberg, 81.11 333 eP, P, 08 23 07.0 -0.3, BFO, Black Forest, 81.17 336 eP, P, 08 23 06.5 -0.9, BFO, Black Forest, 81.17 336 eP, P, 08 23 06.5 -0.9, RETA, Reutte, 81.19 334 eP, P, 08 23 07.0 -0.5, MOTA, Moosalm, 81.20 333 eP, P, 08 23 07.6 -0.2, ABTA, Abtlersbach, 81.28 332 P, P, 08 23 07.1 -1.0, FETA, Feichten, 81.61 333 eP, P, 08 23 09.9 -0.1, ECH, Echery, 81.61 336 eP, P, 08 23 08.9 -0.9, ECH, Echery, 81.61 336 eP, P, 08 23 08.9 -0.9, DAVA, Danube, 81.64 334 eP, P, 08 23 09.1 -0.9, MIAR, Mount Ida, 81.73 49 eP, P, 08 23 11.4 +0.8, MIAR, Mount Ida, 81.73 49 eP, P, 08 23 11.4 +0.8, PMOR, Pomariorio Ree, 81.75 121 eT, T, 09 53 22.0, TAOE, Nuku Hiva Isla, 82.03 111 eLR, LR, 08 48 39.9, CSS, Mathiatis, 82.08 312 eP, P, 08 23 11.7 -0.7, DAVOS, Davos/Dischmat, 82.09 334 P, P, 08 23 11.6 -0.9, MMAI, Mount Meron Ar, 82.47 310 P, P, 08 23 15.4 +0.8, MMAL, Mount Meron Ar, 82.47 310 LR, LR, 09 04 07.9, TTG, Podgorica, 82.55 326 eP, P, 08 23 13.2 -1.5, TTG, Podgorica, 82.55 326 eP, P, 08 23 13.2 -1.5, PPT2, Papeete, 82.74 124 LR, LR, 08 52 30.1, PPT2, Papeete, 82.74 124 eLR, LR, 08 49 18.5, PPT2, Papeete2, 82.76 124 eT, T, 09 54 37.7, TIAR, Tiare, 82.87 124 eT, T, 09 54 45.6, FNA, Florida, 83.06 324 eP, P, 08 23 16.6 -0.9, FNA, Florida, 83.06 324 eP, P, 08 23 16.6 -0.9, SENIN, Lac Senin/Sane, 83.25 335 eP, P, 08 23 18.0 -0.6, NWAO, Narrogin (SHO), 83.40 208 P, P, 08 23 19.8 +0.9, RAYN, Ar Rayn, 83.55 297 eP, P, 08 23 19.8 -0.5, RAYN, Ar Rayn, 83.55 297 eP, P, 08 23 19.8 -0.5, BNI, Bardonecchia, 84.62 335 eP, P, 08 23 25.4 -0.1, BNI, Bardonecchia, 84.62 335 eP, P, 08 23 25.4 -0.1, ITM, Ithomi, 85.82 321 eP, P, 08 23 30.3 -1.2, 250A, Grady, 87.52 45 eP, P, 08 23 37.2 -2.6, TOR2, Torodi Ar, Be, 115.46 326 PKP, PKPdf, 08 29 33.3 -0.7, QSPA, South Pole Qui, 134.91 180 PKP, PKPdf, 08 30 10.7 +1.2, LPAZ, La Paz, 136.68 61 PKP, PKPdf, 08 30 15.7 +0.6, BDFB, Brasilia, 146.68 34 PKPbc, PKPbc, 08 30 34.6 -0.5, PLCA, Paso Flores, 149.85 96 PKPbc, PKPbc, 08 30 42.1 +0.6, CPUP, Villa Florida, 150.82 59 PKPbc, PKPbc, 08 30 43.4 -0.8, VNA3, Neumayer Olymp, 152.14 194 PKP, PKPbc, 08 30 46.7 +0.8, VNA1, Neumayer-Stat, 152.40 195 PKP, PKPbc, 08 30 47.2 +0.8

SOME 09 08:17:22.5, 43:82N-85:00E, h15km, NINC 09 08:17:34.8±3.0, 43:52N-84:39E, h11km, 9km, mb2.9, mp2.5, Error ellipse: s-maj=24.5km s-min=16.1km az=112.0, ISC 09 08:17:31.9±2.9, 43:44N, 101.8±6.0E, 0.1, h10km, n10, <285/18, 9C-2D, Northern Xijiang, Code Station Name Δα AZZ Op Phase ID Time Res h r s ISC, KTMS Ketmen 6.8m,0.2s eS Sg 08 19 11.4 +0.9, DJR Jarkent 3.3m,0.2s eP Pn 08 18 31.2 +3.8, DJR 12m,0.6s eS Sg 08 19 22.6 -4.0, PDGK Podgomoye 3.70 270 iP Pg 08 18 39.8 +2.3, PDGK 7.0m,0.4s iL Lg 08 19 29.8, MK31 Makanchi Array B 3.74 335 Pn Pn 08 18 30.9 +1.2, MK31 0.2m,0.3s,baz=151,slow=14,SNR=26 iL Pg 08 18 40.2 +2.1, MK31 1.0m,0.4s,baz=145,slow=17,SNR=16 iL Sg 08 19 15.9 +2.1, MK31 16m,0.8s,baz=81,slow=10.0,SNR=23 Lg 08 19 29.2, MK31 12m,0.3s,baz=146,slow=29,SNR=6.6 iL Pn 08 18 31.8 +0.5, MAKZ Makanchi 3.86 333 iL Pn 08 18 42.5 +2.5, MAKZ 1.0m,0.4s iL Sg 08 19 15.6 -1.0, MAKZ 2.8m,0.9s iL Lg 08 19 31.9, MAKZ 10m,0.7s iL Lg 08 19 31.9, ZSN Zaisan 4.04 3 eP Pn 08 18 26.2 -7.6, ZSN 3.7m,0.3s eS Sg 08 19 13.6 -7.6, UZB Uzbudlak 4.06 268 eP Sg 08 18 42.2 -1.3, UZB 5.6m,0.2s eS Sg 08 19 41.3 -0.9, SATY 5.7m,0.5s eS Sg 08 18 50.6 -0.7, SATY 5.6m,0.5s eS Sg 08 19 55.8 -1.1, SATY 9.6m,0.2s eS Sg 08 21 05.1 -1.0, KURBB Kurchatov Arra 8.30 332 iL Sg 08 21 56.2, KURBB 8.4m,0.8s iL Sg 08 21 05.8 -1.4, KURK Kurchatov 8.35 333 iL Sg 08 21 05.8 -1.4

W53A	Cullowhee	65.77	310	P	P	09 10 09.9	+0.7
552A	Lynn Haven	65.92	304	P	P	09 10 10.6	+0.5
252A	Lumpkin	66.00	306	P	P	09 10 11.3	+0.7
352A	Blakely	66.00	305	P	P	09 10 11.3	+0.7
Y52A	Libburn	66.04	308	eP	P	09 10 12.0	+1.1
Y52A	Libburn	66.04	308	P	P	09 10 11.6	+0.7
Z52A	Williamson	66.11	307	P	P	09 10 11.4	+0.2
ERPA	Erie	66.12	318	P	P	09 10 11.3	+0.1
X52A	Dahlonaga	66.14	309	P	P	09 10 11.6	+0.1
152A	Waverly Hall	66.19	307	P	P	09 10 12.4	+0.6
T52A	Hallie	66.30	312	P	P	09 10 13.1	+0.7
V52A	Sevierville	66.33	310	P	P	09 10 12.8	+0.2
W52A	Murphy	66.33	309	eP	P	09 10 13.4	+0.7
W52A	Murphy	66.33	309	P	P	09 10 12.8	+0.1
U52A	Thorn Hill	66.34	311	P	P	09 10 13.5	+0.7
ASF	Jabal al Asfar	66.34	54	P	P	09 10 13.8	+0.8
TKL	Tuckaleechee C	66.40	310	P	P	09 10 13.2	+0.1
TKL	comp=Z,97nm,21.1s,baz=166,slow=30			LR	LR	09 32 57.0	
BR131	Keskin Array S	66.44	45	eP	P	09 10 13.9	+0.5
BRTR	Keskin Array B	66.44	45	P	P	09 10 13.1	-0.3
BRTR	comp=Z,46nm,21.5s,baz=230,slow=37			LR	LR	09 40 29.2	
351A	Pinckard	66.50	305	P	P	09 10 14.3	+0.5
251A	Midway	66.57	306	P	P	09 10 14.8	+0.5
151A	Opelika	66.63	306	P	P	09 10 14.8	+0.1
U51A	La Follette	66.83	311	P	P	09 10 16.6	+0.7
Y51A	Rockmart	66.84	308	P	P	09 10 16.6	+0.6
X51A	Calhoun	66.89	308	P	P	09 10 17.1	+0.9
V51A	Loudon	66.89	310	eP	P	09 10 17.2	+1.0
V51A	Loudon	66.89	310	P	P	09 10 17.2	+1.0
SS1A	Beattyville	66.94	312	eP	P	09 10 17.4	+0.9
SS1A	Beattyville	66.94	312	P	P	09 10 17.3	+0.8
T51A	Gray	66.97	311	P	P	09 10 17.5	+0.7
W51A	Cleveland	67.00	309	P	P	09 10 17.7	+0.8
R51A	Hillsboro	67.17	313	P	P	09 10 18.8	+0.8
150A	Eclectic	67.22	306	P	P	09 10 19.4	+1.0
Z50A	Grady	67.24	305	P	P	09 10 19.4	+0.9
Z50A	Ashland	67.33	307	eP	P	09 10 19.0	-0.1
Z50A	Ashland	67.33	307	P	P	09 10 19.4	+0.3
Y50A	Piedmont	67.37	308	P	P	09 10 20.0	+0.7
V50A	Pikeville	67.43	310	P	P	09 10 20.4	+0.8
W50A	Signal Mountai	67.44	309	eP	P	09 10 20.7	+0.9
W50A	Signal Mountai	67.44	309	P	P	09 10 20.2	+0.4
U50A	Jamestown	67.47	310	P	P	09 10 20.9	+0.9
X50B	Fort Payne	67.47	308	P	P	09 10 20.4	+0.4
S50A	Richmond	67.56	312	P	P	09 10 21.2	+0.8
NB2	NORSAR Subarra	67.61	18	P	P	09 10 21.1	+0.7
Q50A	Georgetown	67.65	313	P	P	09 10 21.4	+0.4
ATD	Arta Tunnel	67.66	77	LR	LR	09 38 10.5	
T50A	Nancy	67.67	311	P	P	09 10 21.8	+0.6
449A	Pace	67.68	304	P	P	09 10 22.5	+1.1
HFS	Hagfors	67.71	19	P	P	09 10 20.2	-0.7
HFS	comp=Z,0.8nm,0.7s,baz=221,slow=5.6,SNR=2.4			LR	LR	09 40 19.9	
R50A	Paris	67.71	312	P	P	09 10 22.2	+0.8
N50A	Nevada	67.76	315	P	P	09 10 21.8	+0.2
P50A	Jamestown	67.80	314	P	P	09 10 22.3	+0.4
Z49A	Columbiana	67.80	307	P	P	09 10 22.6	+0.6
349A	Repton	67.82	305	P	P	09 10 22.8	+0.6
149A	Jones	67.84	306	P	P	09 10 22.7	+0.4
O50A	Cable	67.86	315	P	P	09 10 22.9	+0.6
Y49A	Blount Mountai	67.90	307	P	P	09 10 23.2	+0.5
M50A	Fremont	67.93	316	P	P	09 10 23.3	+0.6
SWET	Sewanee	67.93	309	eP	P	09 10 23.4	+0.5
Z49A	Camden	67.93	305	P	P	09 10 23.5	+0.6
X49A	Woodville	68.02	308	P	P	09 10 23.8	+0.4
V49A	McMinnville	68.08	309	P	P	09 10 24.0	+0.2
LRAL	Lakeview Retre	68.13	306	eP	P	09 10 24.2	+0.1
LRAL	Lakeview Retre	68.13	306	P	P	09 10 24.3	+0.1
W49A	Belvidere	68.16	309	P	P	09 10 24.6	+0.4
U49A	Red Boiling Sp	68.22	310	P	P	09 10 25.1	+0.5
T49A	Edmonton	68.22	311	eP	P	09 10 24.9	+0.2
T49A	Edmonton	68.22	311	P	P	09 10 25.1	+0.5
S49A	Springfield	68.26	312	P	P	09 10 25.6	+0.7
R49A	Shelbyville	68.34	312	P	P	09 10 25.8	+0.5
Q49A	Aurora	68.38	313	P	P	09 10 26.1	+0.5
Z48A	Dixon Mills	68.47	305	P	P	09 10 26.5	+0.2
148A	Greensboro	68.48	306	P	P	09 10 26.8	+0.4
Y48A	Jasper	68.52	307	P	P	09 10 26.9	+0.4
AK11	Malin Array Si	68.52	33	eP	P	09 10 25.9	-0.3
AK11	KIEV	68.56	33	eP	P	09 10 26.5	+0.1
AKASG	Malin Array B	68.57	33	P	P	09 10 25.9	-0.5
AKASG	comp=Z,5.2nm,0.6s,baz=237,slow=6.8,SNR=8.7			LR	LR	09 41 37.7	
AKKB	Malin Array Si	68.57	33	eP	P	09 10 26.6	+0.2
X48A	Hartselle	68.57	308	eP	P	09 10 26.7	-0.2
X48A	Hartselle	68.57	308	P	P	09 10 27.2	+0.3
M49A	Liberty Center	68.60	316	P	P	09 10 27.8	+0.9

Z48A	Northport	68.67	307	P	P	09 10 27.8	+0.3
W48A	Pulaski	68.69	308	P	P	09 10 27.7	+0.1
V48A	Smith Brothers	68.78	309	eP	P	09 10 28.4	+0.2
V48A	Smith Brothers	68.78	309	P	P	09 10 28.5	+0.3
S48A	Wiedeman Farm	68.79	311	P	P	09 10 28.4	+0.2
U48A	Cassie Pea, Po	68.80	310	P	P	09 10 28.6	+0.4
T48A	Bowling Green	68.87	311	P	P	09 10 29.2	+0.5
447A	Lucedale	68.89	304	P	P	09 10 28.7	-0.2
R48A	Northridge Ran	68.89	312	P	P	09 10 29.3	+0.5
P48A	Milroy	68.92	313	P	P	09 10 30.1	+1.1
347A	Saraland	68.95	304	P	P	09 10 30.2	+1.0
Q48A	Vernon	68.97	313	P	P	09 10 29.8	+0.5
O48A	Farmland	69.00	314	P	P	09 10 29.6	+0.2
Z47A	Carrollton	69.04	306	P	P	09 10 30.1	+0.3
Y47A	UCPARC, Winfie	69.06	307	P	P	09 10 30.0	+0.1
L48A	N Adams	69.10	316	P	P	09 10 30.4	+0.4
M48A	Edgerton	69.13	316	P	P	09 10 30.6	+0.4
WCI	Wyandotte Cave	69.15	312	P	P	09 10 30.9	+0.4
X47A	Russellville	69.23	308	P	P	09 10 30.8	-0.1
W47A	Westpoint	69.24	308	P	P	09 10 31.0	0.0
V47A	Nunneley	69.35	309	P	P	09 10 31.5	-0.2
R47A	Wooly Knot Far	69.35	312	P	P	09 10 31.8	+0.2
U47A	Clarksville	69.35	310	P	P	09 10 31.5	-0.2
T47A	Sharon Grove	69.38	310	eP	P	09 10 31.9	+0.1
T47A	Sharon Grove	69.38	310	P	P	09 10 32.0	+0.1
S47A	Hartford	69.39	311	P	P	09 10 32.2	+0.3
446A	Poplarville	69.48	303	P	P	09 10 33.1	+0.6
Q47A	Bedord North L	69.48	312	P	P	09 10 32.7	+0.2
PLAL	Pickwick Lake	69.54	308	eP	P	09 10 32.9	0.0
P47A	Marengo	69.55	313	P	P	09 10 33.4	+0.5
L47A	Sherwood	69.64	316	P	P	09 10 34.0	+0.6
WVT	Waverly	69.67	309	eP	P	09 10 33.3	-0.4
WVT	Waverly	69.67	309	P	P	09 10 33.5	-0.2
O47A	Sheridan	69.73	314	P	P	09 10 34.1	+0.2
PMSA	Palmer Station	69.80	197	LR	LR	09 37 41.5	
V46A	Holladay	69.80	309	P	P	09 10 34.3	-0.2
W46A	Booneville	69.82	308	P	P	09 10 33.9	-0.7
X46A	Booneville	69.82	307	P	P	09 10 34.4	-0.2
Y46A	Houston	69.86	307	P	P	09 10 34.3	-0.5
T46A	Princeton	69.99	310	P	P	09 10 35.6	-0.1
U46A	Springville	70.01	309	P	P	09 10 36.1	+0.4
S46A	Don Dixon Farm	70.05	311	P	P	09 10 35.8	-0.1
R46A	Gibson Southern	70.06	311	P	P	09 10 36.1	+0.1
M46A	Old House Field	70.25	315	P	P	09 10 37.7	+0.6
P46A	Rosedale	70.27	313	P	P	09 10 37.8	+0.5
GLMI	Oxford	70.30	319	P	P	09 10 37.8	+0.5
N46A	Monticello	70.35	314	P	P	09 10 37.6	-0.1
OXF	Oxford	70.46	307	P	P	09 10 37.6	-0.9
P45A	Graceland, Par	70.64	313	P	P	09 10 39.0	-0.5
OLIL	Olney	70.66	312	eP	P	09 10 40.1	+0.4
R45A	Skyfar, 19nm, 1.0s	70.66	311	P	P	09 10 39.4	-0.2
Q45A	Warren Harvey,	70.75	312	P	P	09 10 39.9	-0.3
F46A	Macinaw City C	70.75	320	P	P	09 10 40.2	+0.1
344A	Westbrook Farm	70.78	304	P	P	09 10 41.2	+0.7
O45A	Potomac	70.85	313	P	P	09 10 40.3	-0.5
244A	Avery, Jackson	70.88	304	P	P	09 10 41.4	+0.2
SIUC	Southern Illini	71.20	311	eP	P	09 10 41.7	-1.3
F45A	CMU Biological	71.21	319	P	P	09 10 42.2	-0.7
S44A	Carbondale	71.22	311	P	P	09 10 42.4	-0.7
R44A	Waltonville	71.25	311	P	P	09 10 42.6	-0.6
P44A	Sand Creek, Wi	71.27	312	P	P	09 10 42.7	-0.6
N44A	Piper City	71.32	314	P	P	09 10 43.5	-0.1
O44A	Mansfield	71.36	313	P	P	09 10 43.3	-0.6
R44A	Ar Rayn	71.79	65	eP	P	09 10 44.8	+1.3
S43A	Fulton Ridge,	71.81	310	P	P	09 10 45.8	-0.9
T43A	Greenville	71.84	310	P	P	09 10 45.8	-1.1
Q43A	New Douglas	71.91	312	P	P	09 10 46.2	-1.0
J43A	Natural Harves	72.35	316	P	P	09 10 49.5	-0.3
V42A	Ord	72.37	308	P	P	09 10 49.4	-0.6
U42A	Reverend	72.39	309	P	P	09 10 49.2	-0.9
S42A	Caledonia	72.41	310	P	P	09 10 49.7	-0.6
E43A	Lone Tree Farm	72.42	320	P	P	09 10 49.8	-0.4
T42A	Van Buren	72.45	309	eP	P	09 10 50.1	-0.4
T42A	Van Buren	72.45	309	P	P	09 10 49.7	-0.8
Q42A	Golden Eagle	72.53	311	P	P	09 10 50.2	-0.7
R42A	Luebbering	72.55	311	P	P	09 10 50.4	-0.7
P42A	Winchester	72.58	312	P	P	09 10 50.2	-1.0
M42A	Sheffield	72.69	314	P	P	09 10 51.3	-0.6
341A	Kurthwood	72.78	303	eP	P	09 10 52.2	-0.4
341A	Kurthwood	72.78	303	P	P	09 10 52.7	+0.1
L42A	Oliver, Polo	72.79	315	P	P	09 10 53.0	+0.5
H42A	Shiocton	72.80	317	P	P	09 10 52.9	+0.1
K42A	Prairie Point,	72.80	316	P	P	09 10 51.9	-0.6
CCM	Cathedral Cave	72.83	310	eP	P	09 10 52.8	

O37A	Wolven Farm, M	75.55 312	P	P	09 11 08.0 -0.6
P37A	Lathrop	75.56 311	P	P	09 11 08.0 -0.7
M37A	Trindle Farm, M	75.79 313	P	P	09 11 09.6 -0.3
H37A	Dierke Farm, C	75.81 317	P	P	09 11 09.7 -0.3
TUL1	Leonard	75.87 307	eP	P	09 11 10.0 -0.5
TUL1	Leonard	75.87 307	P	P	09 11 10.3 -0.2
SPMN	Marine on St.	75.91 317	eP	P	09 11 10.0 -0.6
SPMN	Marine on St.	75.91 317	P	P	09 11 10.0 -0.6
J37A	Redenius Farm,	75.91 315	P	P	09 11 10.0 -0.6
I37A	Lemond, Waseca	75.99 316	eP	P	09 11 10.6 -0.5
I37A	Lemond, Waseca	75.99 316	P	P	09 11 10.6 -0.5
D37A	Cottow	76.21 319	P	P	09 11 11.8 -0.4
N36A	Muff Farm, Cla	76.31 312	P	P	09 11 12.6 -0.3
K36A	Gillmore City	76.38 314	P	P	09 11 12.9 -0.4
L36A	Harm Buss Farm	76.40 314	P	P	09 11 13.1 -0.4
I36A	Fitzsimmons Fa	76.42 316	P	P	09 11 12.8 -0.7
J36A	Seneca 1, Swea	76.47 315	P	P	09 11 13.2 -0.6
H36A	Jessenland, He	76.50 316	P	P	09 11 13.1 -0.8
D36A	Goodland	76.70 319	eP	P	09 11 14.8 -0.1
D36A	Goodland	76.70 319	P	P	09 11 14.9 -0.1
H35A	SunnySide Ranc	77.16 316	P	P	09 11 17.3 -0.3
C35A	Jirik Farms, M	77.37 319	P	P	09 11 18.0 -0.8
830A	Chaparral WMA,	77.58 299	P	P	09 11 20.8 +0.4
W30A	Wichita Mounta	78.05 306	eP	P	09 11 22.5 +0.0
W30A	Wichita Mounta	78.05 306	P	P	09 11 22.7 -0.2
ECSD	EROS Data Cent	78.17 315	eP	P	09 11 22.9 -0.4
ECSD	EROS Data Cent	78.17 315	P	P	09 11 22.9 -0.4
JCT	Junction City	78.24 301	eP	P	09 11 24.1 0.0
JCT	Junction City	78.24 301	P	P	09 11 24.2 +0.1
ABTX	Abilene, Hawle	78.42 303	eP	P	09 11 24.8 -0.3
ABTX	Abilene, Hawle	78.42 303	P	P	09 11 24.7 -0.3
C33A	Trail	78.56 319	P	P	09 11 24.6 -0.8
A33A	Warroad	78.61 320	P	P	09 11 25.7 +0.1
BGNE	Belgrade	78.79 312	P	P	09 11 26.4 -0.4
ULM	Lac du Bonnet	79.25 322	P	P	09 11 28.9 -0.2
CBKS	Cedar Bluff	79.50 310	P	P	09 11 31.0 +0.1
SYO	Syowa Base	79.80 1611eX			09 11 44.0 +1.2
MXST	Muleshoe	81.21 304	eP	P	09 11 39.8 -0.4
MXST	Muleshoe	81.21 304	P	P	09 11 40.3 +0.2
TARX	Lajitas Array	81.43 300	P	P	09 11 41.7 +0.3
TXAR	Lajitas Ar, Si	81.43 300	eP	P	09 11 41.8 +0.3
K3C0	Kaye Shedlock	81.76 310	eP	P	09 11 44.0 +0.1
K3C0	Kaye Shedlock	81.76 310	P	P	09 11 43.0 -0.1
SPITS	Spitsbergen Ar	82.03 8 LR	LR		09 40 26.9
MNTX	Cornudas Mount	83.14 302	eP	P	09 11 49.4 -0.8
MNTX	Cornudas Mount	83.14 302	P	P	09 11 49.0 -0.2
WSAR	Wadi Sarin	83.37 67 LR	LR		09 50 00.0
SDCO	Great Sand Dun	83.85 308	eP	P	09 11 55.5 +1.4
SDCO	Great Sand Dun	83.85 308	P	P	09 11 54.3 +0.2
DGMT	Dagmar	84.23 319	P	P	09 11 56.7 +0.7
TASL	Snake Pit, Alb	84.34 305	P	P	09 11 57.0 +0.4
ANMO	Albuquerque	84.34 305 LR	LR		09 44 49.7
ANMO	Albuquerque	84.34 305 eP	P	P	09 11 57.1 +0.6
ANMO	Albuquerque	84.34 305 P	P	P	09 11 57.2 +0.6
TASM	ASL Pad, Albuq	84.34 305 P	P	P	09 11 57.3 +0.7
N23A	Red Feather La	84.53 311	P	P	09 11 58.1 +0.7
LENM	Lemitar	84.70 304 eP	P	P	09 11 59.0 +0.6
LZAH	Ladron	84.85 305 eP	P	P	09 12 00.6 +1.5
S22A	4UR Ranch, Cre	84.90 308 eP	P	P	09 12 00.8 +1.3
SMCO	Snowmass	85.17 309	P	P	09 12 00.3 -0.4
RPN	Rapa Nui	85.24 243 LR	LR		09 45 57.5
LAO	LASA Array	85.36 317	P	P	09 12 01.9 +0.7
LAO	LASA Array	85.36 317 P	P	P	09 12 01.7 +0.4
AKTO	Aktuyubinsk	85.79 39 LR	LR		09 52 43.3
MVCO	Mesa Verde	86.17 307 eP	P	P	09 12 05.3 -0.5
MVCO	Mesa Verde	86.17 307 P	P	P	09 12 06.2 +0.4
O20A	White River Ci	86.20 310	P	P	09 12 06.3 +0.5
PV01	Paradox Valley	86.30 308 eP	P	P	09 12 05.6 -0.7
PV02	Paradox Valley	86.44 308 eP	P	P	09 12 06.9 -0.1
PV12	Saucer Basin	86.50 308 eP	P	P	09 12 09.0 +1.7
PV13	Radium Mtn., P	86.50 308 eP	P	P	09 12 07.8 +0.5
PV03	Paradox Valley	86.53 308 eP	P	P	09 12 08.4 +0.9
PV11	David Mesa, Pa	86.53 308 eP	P	P	09 12 07.3 -0.2
PV16	Nyswonger Mesa	86.58 308 eP	P	P	09 12 07.7 0.0
PV17	East Wray Mesa	86.62 308 eP	P	P	09 12 08.1 +0.2
PV21	Cone Mtn., Par	86.65 309 eP	P	P	09 12 07.7 -0.4
PV14	Lion Creek, Pa	86.67 308 eP	P	P	09 12 08.3 +0.1
PV09	Paradox Valley	86.77 308 eP	P	P	09 12 10.2 +1.4
W18A	Petrified Fore	87.03 305 eP	P	P	09 12 10.2 +1.0
W18A	Petrified Fore	87.03 305 P	P	P	09 12 10.2 +0.2
X18A	Snowflake	87.18 304 eP	P	P	09 12 11.4 +0.7
RLMT	Red Lodge	87.33 315 eP	P	P	09 12 11.4 +0.2
RLMT	Red Lodge	87.33 315 P	P	P	09 12 11.7 +0.5
PDAR	Pinedale Array	87.38 313 P	P	P	09 12 09.8 -1.8
PDAR	Pinedale Array	87.38 313 LR	LR		09 46 04.2
P18A	Preston Nutter	87.70 310 eP	P	P	09 12 13.7 +0.5
TUC	Tucson	87.76 302	P	P	09 12 13.4 0.0

EGMT	Eagleton	87.88 318	P	P	09 12 13.4 -0.2
SRU	San Rafael Swe	87.89 309 eP	P	P	09 12 13.9 -0.1
LOHW	Long Hollow	88.19 314 eP	P	P	09 12 14.9 -0.5
MOOW	Moose Ponds	88.30 314 eP	P	P	09 12 16.3 +0.4
WUAZ	Wupatki	88.39 305 eP	P	P	09 12 17.6 +1.1
WUAZ	Wupatki	88.39 305 P	P	P	09 12 17.1 +0.6
X16A	Loza Camp, P	88.40 304 eP	P	P	09 12 15.3 -1.2
TMUT	Trail Mountain	88.43 309 eP	P	P	09 12 16.7 0.0
QSPA	South Pole Qui	89.01 180 P	P	P	09 12 18.7 +0.1
QSPA	South Pole Qui	89.01 180 LR	LR		09 45 33.6
BOZ	Bozeman (W)	89.03 315 P	P	P	09 12 19.3 +0.1
214A	Organ Pipe Nat	89.47 302 P	P	P	09 12 22.2 +0.8
Y14A	Wickenburg	89.68 304 eP	P	P	09 12 23.3 +0.9
DUG	Dugway, Tocele	89.70 310 P	P	P	09 12 23.3 +0.9
YKA	Yellowknife Ar	91.18 332 P	P	P	09 12 27.0 -1.5
BMO	Blue Mountains	93.03 315 eP	P	P	09 12 37.5 -0.2
BVAR	Borovoye Array	93.56 37 LR	LR		09 58 52.5
NVAR	Mina Array Bea	93.98 308 LR	LR		09 52 31.3
KSH	Kashi	98.46 50 P	P	P	09 13 00.1 -2.5
KSH	Kashi	98.46 50 PP	PP		09 17 02.4 -0.5
KSH	Kashi	98.46 50 SKS	SKS		09 23 35.4 -5.5
KSH	Kashi	98.46 50 SS	SS		09 24 22.0 -9.9
KSH	Kashi	98.46 50 LR	LR		09 31 09.0 -6.8
LZH	Lanzhou	120.59 48 ePKP	PKP		09 18 08.7 -7.7
CD2	Chengdu	122.47 54 PKP	PKP		09 18 19.0 -1.0
HHC	Hu-ho-hao-te	123.68 40 ePKP	PKP		09 18 22.9 +0.8
HHC	Hu-ho-hao-te	123.68 40 PP	PP		09 20 07.4 +3.5
HHC	Hu-ho-hao-te	123.68 40 SS	SS		09 36 57.5 +5.6
HHC	Hu-ho-hao-te	123.68 40 LR	LR		09 36 57.5 +5.6
NJ2	Nanjing	133.43 45 ePKP	PKP		09 18 38.9 -1.8
FITZ	Fitzroy Crossi	144.65 124 PKPbc	PKPbc		09 19 03.7 +2.2
ASAR	Alice Springs	147.41 140 PKPbc	PKPbc		09 19 08.3 -0.3
WRA	Warramunga Arr	150.28 136 PKPbc	PKPbc		09 19 15.3 -0.8
WRAB	Tennant Creek	153.30 136 ePKPbc	PKPbc		09 19 13.9 -2.1
WRAB	Tennant Creek	153.30 136 PKPbc	PKPbc		09 19 18.1 +1.3

IDC 09 09 02:36.1, 2.7, 8.64S, 114.32E, h0km, mb3.2/3,
 mb1 3.5/4, mb1mx3/3.63, mb1tmp3/4.4, ML3.3/1, MS3.0/1,
 Ms1 3.0/1, ms1mx2.5/2.3, Error ellipse: s-maj=156.3km
 s-min=25.5km az=48.0
 DJA 09 09 02:40.6, 0.5, 10.5, 114.4E, h10km, M4.2/12,
 ML4.2/12
 IS/CJB 09 09 02:42.5, 0.7, 9.34S, 0.07, 113.90E, 0.04, h82km,
 mb3.1/3, Error ellipse: s-maj=9.9km s-min=5.9km az=11.0
 ISC 09 09 02:44.3, 1.0, 9.25S, 0.10, 113.95E, 0.05, h82km, n16,
 e1945/19, mb3.0/3, South of Java

JAGI	Jajag, Banyuwa	0.80 14	Op	ISC	09 02 59.1 -2.1
JAGI	Jajag, Banyuwa	0.80 14	S	Sn	09 03 14.0 +0.3
GMJI	Gumukmas	1.09 333	P	Pn	09 03 03.3 -1.2
GMJI	Gumukmas	1.09 333	S	Sn	09 03 25.2 +2.6
IGBI	Denpasar	1.25 70	P	Pn	09 03 06.0 +0.5
IGBI	Denpasar	1.25 70	S	Sn	09 03 25.2 +1.9
DNP	Denpasar	1.37 66	P	Pn	09 03 06.4 -1.6
DNP	Denpasar	1.37 66	S	Sn	09 03 27.6 +1.8
SRBI	Singara	1.70 47	P	Pn	09 03 11.8 -0.5
PWJI	Pacitan	2.45 330	P	Pn	09 03 21.1 -1.1
PCJI	Pacitan	2.94 291	P	Pn	09 03 07.9 -0.9
TWSI	Taliwang, Sumb	2.94 80	P	Pn	09 03 27.3 -1.5
WOJI	Wonogiri, Jawa	3.31 295	P	Pn	09 03 33.1 -0.7
UGM	Wanagama	3.64 291	P	Pn	09 03 38.7 +0.3
PLAI	Plampang	3.80 94	P	Pn	09 03 41.1 +0.6
FITZ	Fitzroy Crossi	14.36 129	Pn	Pn	09 06 02.0 -1.6
FITZ	Fitzroy Crossi	14.36 129	Sn	Sn	09 08 28.4 -1.3
DAV	Davao City (W)	19.93 36	LR	LR	09 14 17.2
WRA	Warramunga Arr	22.38 121 P	P	P	09 07 37.3 +1.2
ASAR	Alice Springs	23.86 129 P	P	P	09 07 51.6 +1.3
MKAR	Makanchi Array	56.56 314 P	P	P	09 12 59.2 -0.2

IS/CJB 09 09 05:56.1, 0.8, 6.15S, 0.06, 105.35E, 0.06, h26km, 7km,
 mb3.8/9, Error ellipse: s-maj=13.4km s-min=5.4km
 DJA 09 09 05:56.5, 0.3, 6.15S, 101.5E, h10km, M3.7/7, MLv3.7/7
 IDC 09 09 06:03.8, 4.1, 5.69S, 105.54E, h86km, 31km, mb3.5/8,
 mb1 3.6/9, mb1mx3/4.64, mb1tmp3/8.9, Error ellipse:
 s-maj=88.3km s-min=17.4km az=48.0
 ISC 09 09 05:55.1, 1.3, 6.15S, 0.07, 105.38E, 0.07, h17km, 9km,
 n19, e1544/27, mb3.8/8, Sunda Strait

CGJI	Cibinong	0.55 146	Op	ISC	09 06 06.9 -1.3
CGJI	Cibinong	0.55 146	S	Sb	09 06 15.8 +1.9
SBJI	Serang	0.74 87	P	Pn	09 06 10.0 -0.8
SBJI	Serang	0.74 87	S	Sn	09 06 21.9 +0.2
BLSI	Bandar Lampung	0.79 350	P	Pg	09 06 09.8 -0.8
BLSI	Bandar Lampung	0.79 350	S	Sb	09 06 21.3 +0.2
KLI	Kota Agung	1.08 305	P	Pb	09 05 14.2 -1.2
KASI	Kotabumi	1.39 338	S	Sb	09 06 31.4 +2.2
KLI	Kotabumi	1.39 338	S	Sn	09 06 20.8 +1.1
KLI	Kotabumi	1.39 338	S	Ss	09 06 40.8 +0.9
DBJI	Drumaga	1.42 106	P	Pg	09 06 21.7 -0.7
SKJI	Sukabumi	1.44 126	P	Pg	09 06 22.6 -0.3
LWLI	Llwa	1.73 314	P	Pb	09 06 05.5 -0.1
MDSI	Maura Dua	2.04 324	P	Pn	09 06 29.5 +0.8
LEM	Lembang	2.32 107	P	Pg	09 06 40.3 +0.6
LEM	Lembang	2.32 107	S	Ss	09 07 10.1 +0.3
FITZ	Fitzroy Crossi	23.06 123	P	P	09 11 01.8 +1.9
WRA	Warramunga Arr	31.29 119	P	P	09 12 16.5 +2.0
WRA	Warramunga Arr	31.29 119	PcP	PcP	09 15 09.3 +0.5
ASAR	Alice Springs	32.48 125	P	P	09 12 27.0 +1.9
ASAR	Alice Springs	32.48 125	PcP	PcP	09 15 13.5 +1.5
MKAR	Makanchi Array	56.56 314	P	P	09 15 34.7 -2.1
KURBS	Kuruchot Arra	61.12 343	P	P	09 16 05.8 -2.5
ZALV	Zalesovo Beam	62.33 346	P	P	09 16 14.3 -2.1
BRTR	Bratunac Array B	80.07 322	P	P	09 18 03.6 -0.8
AKASE	Malin Array Be	86.04 322	P	P	09 19 33.3 -1.5
TXAR	Lajitas Array	144.18 46 PKP	PKP		09 25 28.5 -0.1

Code	Station Name	Δ° AZ°	Phase ID	Time Res	
BS10	CO. Tuti	0.07 54	Op	ISC	09 20 14.4 +1.5
BS10	CO. Tuti	0.07 54	Pg	Pg	09 20 18.1 +3.8
BB01	Montecillos	0.85 132	S	Sb	09 20 20.4 +0.4
BB01	Montecillos	0.85 132	S	Sb	09 20 40.9 +0.8
BB01	Montecillos	0.85 132	AML	AML	

J04D	Umpqua Nationa	118.83	45	P	PKPdf	11 23 01.0 +0.2
ESDC	Sonessa Array	118.85	310	PKP	PKPdf	11 23 00.7 0.0
ESDC	comp=Z, 2.0, 1nm, 0.4s, baz=21, slow=2.8, SNR=23				PKKPbc	11 23 18.1 -0.3
L04D	Klamath Falls	118.97	46	P	PKPdf	11 23 00.9 0.0
N02D	Trinity Center	119.00	48	P	PKPdf	11 23 01.4 +0.4
I05D	Terrebonne, OR	119.06	44	P	PKPdf	11 23 01.4 +0.4
B08A	Colville Reser	119.06	39	ePKPdf	PKPdf	11 23 00.8 0.0
O02D	Mt. Diablo Mer	119.17	49	P	PKPdf	11 23 01.5 +0.2
PAB	San Pablo	119.17	310	ePKPdf	PKPdf	11 23 01.6 +0.3
PAB	San Pablo	119.17	310	ePKIKP	PKPdf	11 23 01.6 +0.3
K04D	Chiloquin, OR	119.25	46	P	PKPdf	11 23 01.7 +0.2
M04C	Macdoel	119.42	47	P	PKPdf	11 23 02.1 +0.3
J05D	Fort Rock, OR	119.43	45	P	PKPdf	11 23 02.4 +0.6
PINE	Pine Mountain	119.49	44	ePKPdf	PKPdf	11 23 03.1 +1.1
HAWA	Hanford	119.61	41	ePKPdf	PKPdf	11 23 02.8 +0.9
D08A	Wollman Farm,	119.78	40	ePKPdf	PKPdf	11 23 02.6 +0.5
O03D	Paynes Creek	119.83	49	P	PKPdf	11 23 02.4 -0.2
K05A	Summit Lake	119.83	46	ePKPdf	PKPdf	11 23 03.7 +1.0
E08A	Dider Farm, El	119.89	41	ePKPdf	PKPdf	11 23 03.1 +0.8
C09A	Chrisman Ranch	119.92	39	ePKPdf	PKPdf	11 23 02.6 +0.2
ORV	Oroville	120.24	49	ePKPdf	PKPdf	11 23 03.6 +0.3
ORV	Oroville	120.24	49	ePKIKP	PKPdf	11 23 03.6 +0.3
PBR	Bragana	120.34	313	ePKPdf	PKPdf	11 23 04.9 +1.4
G08A	Pilot Rock	120.36	42	ePKPdf	PKPdf	11 23 04.2 +0.8
NEW	Newport	120.46	39	PKKPbc	PKKPbc	11 33 10.7 -0.9
NEW	Newport	120.46	39	ePKPdf	PKPdf	11 23 03.7 +0.2
NEW	Newport	120.46	39	ePKIKP	PKKPbc	11 33 10.7 -0.5
NEW	Newport	120.46	39	ePKIKP	PKPdf	11 23 03.7 +0.2
E09A	Wood Farm, Sta	120.47	41	ePKPdf	PKPdf	11 23 03.8 +0.3
MOD	Modoc Plateau	120.47	46	ePKPdf	PKPdf	11 23 04.3 +0.4
MDT	Midell	120.72	303	PKP	PKPdf	11 23 05.0 +0.5
MVO	Moncrove	120.73	313	ePKPdf	PKPdf	11 23 04.8 +0.5
AFDM	Forest Hills D	120.79	50	ePKPdf	PKPdf	11 23 04.9 +0.5
BEKR	Beckworth	121.01	49	ePKPdf	PKPdf	11 23 05.3 +0.3
PVBL	Vila Rica	121.02	313	ePKPdf	PKPdf	11 23 05.4 +0.2
POLO	Lamas de Olo	121.22	313	ePKPdf	PKPdf	11 23 05.4 +0.2
F10A	Beach Ranch, E	121.26	41	ePKPdf	PKPdf	11 23 05.1 -0.1
SFJD	Kangerlussuaq	121.28	354	PKKPbc	PKKPbc	11 33 07.1 -1.8
MTE	Manteigas	121.32	312	ePKPdf	PKPdf	11 23 05.7 +0.4
MTE	Manteigas	121.32	312	ePKPdf	PKPdf	11 23 05.8 +0.4
J08A	Circle Bar Ran	121.33	44	ePKPdf	PKPdf	11 23 06.2 +0.6
RUBR	Rubicon Trail	121.38	50	ePKPdf	PKPdf	11 23 06.9 +1.1
PGAV	Gaveira, Arco	121.39	314	ePKPdf	PKPdf	11 23 05.8 +0.3
PCBR	Castello Branco	121.43	311	ePKPdf	PKPdf	11 23 06.0 +0.5
CMB	Columbia Collie	121.48	51	ePKPdf	PKPdf	11 23 06.2 +0.2
KOWA	Kowa	121.47	282	PKP	PKPdf	11 23 06.3 0.0
KOWA	comp=Z, 1.8nm, 0.5s, baz=82, slow=2.8, SNR=46				PKKPbc	11 33 05.0 -1.7
PMRV	Marv???	121.47	311	ePKPdf	PKPdf	11 23 05.8 +0.1
PVIV	Viseu	121.49	313	ePKPdf	PKPdf	11 23 06.0 +0.3
WVOR	Wild Horse Val	121.51	45	ePKPdf	PKPdf	11 23 05.1 -0.7
WVOR	Wild Horse Val	121.51	45	ePKIKP	PKPdf	11 23 05.2 +0.4
PBAR	Barrancos	121.53	309	ePKPdf	PKPdf	11 23 06.2 +0.4
BMO	Blue Mountains	121.61	42	ePKPdf	PKPdf	11 23 05.5 -0.4
BMO	Blue Mountains	121.61	42	ePKIKP	PKPdf	11 23 05.5 -0.4
VCNR	Virginia City	121.69	49	ePKPdf	PKPdf	11 23 06.8 +0.5
DBIC	Dimbokro	121.76	272	PKP	PKPdf	11 23 07.0 +0.1
DBIC	comp=Z, 1.6nm, 0.6s, baz=80, slow=1.8, SNR=20				PKKPbc	11 33 05.9 +0.4
DBIC	Dimbokro	121.76	272	PKIKP	PKPdf	11 23 07.0 +0.1
DBIC	comp=Z, 1.6nm, 0.6s				pmax	
DBIC	comp=Z, 6.0nm, 0.9s				pmax	
PESTR	Estremoz	121.77	310	ePKPdf	PKPdf	11 23 06.4 +0.1
PAHR	Pah Rah Range	121.78	49	ePKPdf	PKPdf	11 23 07.3 +0.8
PNTR	Pine Nut	121.78	48	ePKPdf	PKPdf	11 23 07.1 +0.6
DLKR	Walker	122.02	50	ePKPdf	PKPdf	11 23 06.0 +0.3
WALA	Waterlon Lakes	122.06	37	ePKPdf	PKPdf	11 23 06.6 -0.1
YERR	Yerington	122.08	49	ePKPdf	PKPdf	11 23 07.7 +0.6
PAGB	Antelope Grade	122.11	53	ePKPdf	PKPdf	11 23 08.1 +1.1
EVO	Evora	122.18	310	ePKPdf	PKPdf	11 23 06.8 -0.2
PMTO	Montargil	122.19	311	ePKPdf	PKPdf	11 23 07.0 +0.0
PVAQ	Vaqueiros	122.25	309	ePKPdf	PKPdf	11 23 07.7 +0.5
SMMC	Simmler	122.41	54	P	PKPdf	11 23 08.8 +1.1
JTMT	Jette	122.41	38	ePKPdf	PKPdf	11 23 07.2 -0.2
PCVE	Castro Verde	122.43	38	ePKPdf	PKPdf	11 23 08.1 +0.6
PBDV	Barrancos-do-Ve	122.45	309	ePKPdf	PKPdf	11 23 08.1 +0.6
MESJ	Messejana	122.52	309	ePKPdf	PKPdf	11 23 08.4 +0.7
PKM	Mpsherson Peak	122.65	54	P	PKPdf	11 23 09.2 +0.9
PNCL	Nicolau / Gran	122.68	310	ePKPdf	PKPdf	11 23 08.0 0.0
RYN	Ryan	122.72	50	ePKPdf	PKPdf	11 23 09.2 +1.0
KVN	Kaiserwiler	122.92	49	ePKPdf	PKPdf	11 23 09.7 +0.8
NV01	Mina Array Sit	122.94	50	ePKPdf	PKPdf	11 23 09.4 +0.6
NVAR	Mina Array Bea	122.94	50	PKP	PKPdf	11 23 09.7 +0.9
NVAR	comp=Z, 1.9nm, 0.6s, baz=260, slow=1.8, SNR=104				SKP	11 26 34.1
NVAR	comp=Z, 1.6nm, 0.8s, baz=250, slow=2.4, SNR=5.4				PKKPbc	11 33 01.2 +0.2
NVAR	comp=Z, 1.8nm, 0.7s, baz=125, slow=4.9, SNR=19				PKKPbc	11 36 41.7 +0.7
PTEO	Sao Teotônio	122.98	309	ePKPdf	PKPdf	11 23 09.1 +0.5
SCZ2	Santa Cruz Isl	122.99	55	P	PKPdf	11 23 09.1 +0.4
MORF	Marmete	122.99	309	ePKPdf	PKPdf	11 23 09.6 +0.9
VES	Vestal, Richgr	123.01	53	P	PKPdf	11 23 08.9 +0.2
PMAFR	Mafrá	123.02	311	ePKPdf	PKPdf	11 23 09.0 +0.4
NV11	Mina Array Sit	123.05	50	ePKPdf	PKPdf	11 23 09.5 +0.6
BNND	Canas Ranch	123.12	43	ePKPdf	PKPdf	11 23 09.7 +0.8
BNN	Battle Mountai	123.15	47	ePKPdf	PKPdf	11 23 09.4 +0.4
BMN	Battle Mountai	123.15	47	ePKIKP	PKPdf	11 23 09.4 +0.4
PFV1	Vila Bisbo	123.17	309	ePKPdf	PKPdf	11 23 09.7 +0.7
ARVIN	Arvin	123.38	50	ePKPdf	PKPdf	11 23 10.4 +1.0
ISA	Isabella, Lake	123.53	53	ePKPdf	PKPdf	11 23 10.7 +0.9
ISA	Isabella, Lake	123.53	53	ePKIKP	PKPdf	11 23 10.7 +0.9
ISA	Isabella, Lake	123.53	53	P	PKPdf	11 23 10.3 +0.5
OSI	Osito Audit: C	123.58	54	P	PKPdf	11 23 10.7 +0.7
CWC	Cottonwood Cre	123.65	52	P	PKPdf	11 23 10.8 +0.6
DECC	Green Verdugo	123.68	55	P	PKPdf	11 23 11.1 +0.4
HLID	Hailey	124.02	43	ePKPdf	PKPdf	11 23 11.8 +1.1
HLID	Hailey	124.02	43	ePKPdf	PKPdf	11 23 11.8 +0.9
GRAC	Grapevine Rang	124.05	51	P	PKPdf	11 23 11.8 +1.1
DAC	Darwin (Calif)	124.07	52	ePKPdf	PKPdf	11 23 12.1 +1.1
EDW	Edwards Air Fo	124.11	54	P	PKPdf	11 23 12.0 +1.1
CIS	Catalina Islan	124.11	56	P	PKPdf	11 23 11.7 +0.7
PASC	Pasadena Art C	124.12	55	ePKPdf	PKPdf	11 23 12.0 +1.1
LRMC	Laurel Mtn Rad	124.20	53	P	PKPdf	11 23 12.1 +0.9
MPMC	Manual Prospec	124.21	52	P	PKPdf	11 23 11.9 +0.6
MWC	Mount Wilson	124.21	55	ePKPdf	PKPdf	11 23 12.1 +0.7
HRY	Holter Resear	124.37	38	ePKPdf	PKPdf	11 23 11.3 +0.2
LRM	Limekiln Ridge	124.38	40	ePKPdf	PKPdf	11 23 11.8 +0.4
DLMT	Dillon	124.48	51	ePKPdf	PKPdf	11 23 12.2 +0.8
BFSC	Mount Baldy Ra	124.53	54	P	PKPdf	11 23 12.5 +0.4
MCMT	McKenzie Canyo	124.55	41	ePKPdf	PKPdf	11 23 12.6 +0.9
FURV	Furnace Creek,	124.58	52	P	PKPdf	11 23 12.4 +0.7
PNVC	Popopah Spring	124.92	51	ePKPdf	PKPdf	11 23 13.7 +1.1
TPNV	Popopah Spring	124.92	51	P	PKPdf	11 23 13.2 +0.6
GSC	Goldstone, Bar	124.94	53	ePKPdf	PKPdf	11 23 14.1 +1.5

GSC	Goldstone, Bar	124.94	53	P	PKPdf	11 23 13.4 +0.8
EGMT	Eagleton	124.99	36	ePKPdf	PKPdf	11 23 12.3 +0.1
EGMT	Eagleton	124.99	36	P	PKPdf	11 23 12.4 +0.1
BOZ	Bozeman (W)	124.99	40	ePKPdf	PKPdf	11 23 12.9 +0.5
BOZ	Bozeman (W)	124.99	40	P	PKPdf	11 23 13.0 +0.5
R11A	Troy Canyon, C	125.00	49	ePKPdf	PKPdf	11 23 13.6 +0.9
R11A	Troy Canyon, C	125.00	49	P	PKPdf	11 23 13.4 +0.7
MURC	Murrieta	125.06	55	P	PKPdf	11 23 13.6 +0.8
FFC	Flim Flom	125.06	26	ePKPdf	PKPdf	11 23 12.0 0.0
FFC	Flim Flom	125.06	26	ePKIKP	PKPdf	11 23 12.0 0.0
BFR	Big Bear Solar	125.12	54	P	PKPdf	11 23 13.6 +0.5
SHOC	Shoshone, Teco	125.12	52	P	PKPdf	11 23 14.0 +1.0
109C	Camp Elliot, M	125.30	56	P	PKPdf	11 23 14.0 +0.9
HEC	Hector, Ludlow	125.44	53	P	PKPdf	11 23 14.5 +1.0
QLM	Quartzlake Lak	125.46	40	ePKPdf	PKPdf	11 23 14.8 +1.4
FRD	Ford Ranch, An	125.56	55	P	PKPdf	11 23 14.8 +1.0
TUQ	Turquoise Moun	125.60	53	P	PKPdf	11 23 14.8 +0.9
YHB	Yonkers Range	125.64	40	ePKPdf	PKPdf	11 23 14.8 +1.0
PFO	Pinyon Flats O	125.65	55	ePKPdf	PKPdf	11 23 15.5 +1.5
PFO	Pinyon Flats O	125.65	55	P	PKPdf	11 23 14.9 +0.9
XPFO	Flason Flat	125.65	55	ePKPdf	PKPdf	11 23 15.5 +1.5
XPFO	Flason Flat	125.65	55	ePKIKP	PKPdf	11 23 15.5 +1.5
HVU	Hansel Valley	125.82	44	ePKIKP	PKPdf	11 23 15.3 +1.1
YMR	Yonkers Range	125.83	40	ePKIKP	PKPdf	11 23 15.8 +1.7
MONP2	Monument Peak	125.85	56	P	PKPdf	11 23 15.5 +0.9
SHPR	Shoshone Range	125.89	51	ePKPdf	PKPdf	11 23 16.1 +1.7
BELC	Belle Mtn, Jos	125.92	54	P	PKPdf	11 23 15.6 +1.1
BGU	Big Grassy Moun	125.97	45	ePKPdf	PKPdf	11 23 15.6 +1.1
GMRC	Grannie Mounta	125.99	53	P	PKPdf	11 23 15.8 +1.2
YPT	Pitchstone Pla	126.11	41	ePKPdf	PKPdf	11 23 16.3 +1.5
GMM	Greycliff	126.12	39	ePKPdf	PKPdf	11 23 15.4 +0.9
IKP	In-Ko-Pah, Jac	126.17	56	P	PKPdf	11 23 16.1 +1.1
IMW	Imperial Valley	126.18	41	ePKPdf	PKPdf	11 23 16.0 +1.0
H17A	Grant Village	126.20	40	ePKPdf	PKPdf	11 23 15.8 +0.8
H17A	Grant Village	126.20	40	P	PKPdf	11 23 16.0 +1.1
PSUT	Pine Spring	126.23	48	ePKPdf	PKPdf	11 23 15.0 -0.1
FXMY	Fox Creek	126.24	41	ePKPdf	PKPdf	11 23 15.4 +0.6
SWSC	Sam W. Stewart	126.35	56	P	PKPdf	11 23 16.3 +1.1
TPAW	Teton Pass	126.35	42	ePKPdf	PKPdf	11 23 15.3 +0.1
MOOW	Moose Ponds	126.37	41	ePKPdf	PKPdf	11 23 15.5 +0.3
DUG	Dugway, Tooele	126.40	46	ePKIKP	PKPdf	11 23 16.3 +1.0
DUG	Dugway, Tooele	126.40	46	ePKIKP	PKPdf	11 23 16.3 +1.0
DUG	Dugway, Tooele	126.40	46	P	PKPdf	11 23 16.0 +0.8
BC3	Big Chuckwall	126.45	55	P	PKPdf	11 23 16.6 +1.1
REDW	Red Top Meadow	126.47	42	ePKPdf	PKPdf	11 23 16.4 +1.0
SNOW	Snow King Moun	126.49	42	ePKPdf	PKPdf	11 23 16.7 +1.2
LOHW	Long Hollow	126.53	41	ePKPdf	PKPdf	11 23 16.2 +0.6
IRM	Iron Mountain	126.56	54	P	PKPdf	11 23 16.7 +1.0
RLMT	Red Lodge	126.69	39	ePKPdf	PKPdf	11 23 16.7 +0.9
RLMT	Red Lodge	126.69	39	P	PKPdf	11 23 16.3 +0.5
HWUT	Hardware Ranch	126.72	44	ePKPdf	PKPdf	11 23 16.4 +0.5
CCUT						

W51A	Cleveland	30.89	339	P	P	12 07 13.8 +1.3
Z46	Louisville	30.93	331	P	P	12 07 14.3 +1.5
TKL	Tuckaleechee C	31.01	341	LR	LR	12 07 14.3 +1.5
Y47A	UCPARC, Winfie	31.02	334	P	P	12 07 14.7 +1.0
CPCT	Cooper Cave	31.07	340	eP	P	12 07 15.7 +1.6
W50A	Signal Mountai	31.13	338	eP	P	12 07 16.0 +1.4
W50A	Signal Mountai	31.13	338	P	P	12 07 15.9 +1.2
X48A	Hartselle	31.15	335	eP	P	12 07 16.0 +1.2
X48A	Hartselle	31.15	335	P	P	12 07 15.8 +1.0
U53A	Fall Branch	31.30	343	P	P	12 07 17.3 +1.1
V51A	Loudon	31.34	340	eP	P	12 07 14.7 -1.7
V51A	Loudon	31.34	340	P	P	12 07 17.8 +1.3
V50A	Pikeville	31.47	339	P	P	12 07 18.9 +1.2
X47A	Russelville	31.55	334	P	P	12 07 19.1 +0.8
U52A	Thorn Hill	31.56	342	P	P	12 07 19.7 +1.2
W48A	Pulaski	31.70	336	P	P	12 07 20.7 +1.1
Z44A	Pea Ridge, Bel	31.73	330	P	P	12 07 21.2 +1.3
U51A	La Follette	31.75	341	P	P	12 07 21.2 +1.1
TZTN	Tazewell	31.75	342	P	P	12 07 22.4 +2.3
Y45A	Yeager Farm, C	31.77	331	P	P	12 07 21.5 +1.2
V49A	McMinville	31.85	338	P	P	12 07 22.0 +1.0
X46A	Booneville	31.90	333	P	P	12 07 22.1 +0.7
PLAL	Pickwick Lake	32.04	334	eP	P	12 07 23.2 +0.6
U50A	Jamestown	32.06	340	P	P	12 07 24.1 +1.3
LNIG	Linares	32.12	308	eP	P	12 07 22.1 -1.4
X45A	UM Field Stati	32.16	332	P	P	12 07 24.9 +1.2
V48A	Smith Brothers	32.18	337	eP	P	12 07 25.0 +1.2
V48A	Smith Brothers	32.18	337	P	P	12 07 25.1 +1.2
T51A	Gray	32.27	342	P	P	12 07 26.0 +1.4
BDFB	Brasilia	32.30	133	Lg	Lg	12 18 02.6
BDFB	Brasilia	32.30	133	LR	LR	12 20 45.2
W46A	Michie	32.30	334	P	P	12 07 25.2 +0.3
U49A	Red Boiling Sp	32.47	339	P	P	12 07 27.5 +1.1
V47A	Nunnely	32.53	336	P	P	12 07 27.8 +0.9
T50A	Nancy	32.60	341	P	P	12 07 29.0 +1.4
W45A	Hickory Valley	32.67	333	P	P	12 07 29.0 +0.8
U48A	Cassie Pea, Po	32.75	338	P	P	12 07 30.0 +1.2
Y42A	Garnett, Star	32.86	329	P	P	12 07 30.6 +0.8
T49A	Edmonton	32.91	340	P	P	12 07 31.3 +1.0
WVT	Waverly	32.92	336	eP	P	12 07 30.9 +0.6
WVT	Waverly	32.92	336	P	P	12 07 30.7 +0.4
140A	Cam and Jess,	32.93	325	P	P	12 07 30.8 +0.4
U47A	Clarksville	32.97	337	P	P	12 07 31.5 +0.7
V45A	Humboldt	33.06	334	P	P	12 07 32.1 +0.5
S50A	Richmond	33.06	342	P	P	12 07 32.7 +1.1
T48A	Bowling Green	33.22	339	P	P	12 07 33.9 +0.9
Y41A	Egglett Beard	33.33	328	P	P	12 07 34.3 +0.4
T47A	Sharon Grove	33.38	338	eP	P	12 07 34.8 +0.4
T47A	Sharon Grove	33.38	338	P	P	12 07 35.2 +0.8
R51A	Hillsboro	33.39	343	P	P	12 07 35.5 +1.1
S49A	Springfield	33.45	341	P	P	12 07 36.2 +1.2
S48A	Wedeman Farm,	33.59	339	P	P	12 07 36.7 +0.5
R50A	Paris	33.59	342	P	P	12 07 37.8 +1.6
T46A	Princeton	33.73	337	P	P	12 07 38.3 +0.9
Y40A	Okolona	33.79	327	P	P	12 07 38.0 +0.1
S47A	Hartford	33.83	338	P	P	12 07 38.9 +0.7
R49A	Shelbyville	33.87	341	P	P	12 07 39.3 +0.7
833A	Chaparral WMA,	33.90	313	P	P	12 07 39.2 +0.2
X40A	Basin Creek Fa	33.91	328	eP	P	12 07 39.3 +0.3
X40A	Basin Creek Fa	33.91	328	P	P	12 07 38.8 -0.2
Q51A	Peebles	34.00	344	P	P	12 07 41.1 +1.3
Q50A	Georgetown	34.01	343	P	P	12 07 41.2 +1.4
435B	Jarrell	34.12	318	P	P	12 07 40.8 -0.1
W41B	Gary Mavity, V	34.15	329	P	P	12 07 41.3 +0.3
O56A	Blue Knob Stat	34.16	351	eP	P	12 07 41.4 +0.2
O56A	Blue Knob Stat	34.16	351	P	P	12 07 42.7 +1.5
WCI	Wyandotte Cave	34.19	340	P	P	12 07 42.2 +0.9
R48A	Northridge Ran	34.20	340	P	P	12 07 42.0 +0.6
S46A	Don Dixon Farm	34.22	337	P	P	12 07 42.1 +0.5
V42A	Cord	34.23	331	P	P	12 07 41.7 0.0
U43A	Rector	34.23	333	P	P	12 07 42.2 +0.5
WHAR	Woody Hollow	34.26	330	eP	P	12 07 42.0 0.0
MIAR	Mount Ida	34.35	327	eP	P	12 07 42.9 0.0
MIAR	Mount Ida	34.35	327	P	P	12 07 42.5 -0.3
PAL	Palisades	34.41	357	P	P	12 07 45.0 +1.7
SSPA	Standing Stone	34.42	352	P	P	12 07 44.8 +1.4
N59A	State Game Lan	34.45	355	P	P	12 07 45.1 +1.5
S45A	Carrier Mills	34.55	336	P	P	12 07 44.7 +0.2
W40A	Ferguson Farm,	34.58	329	eP	P	12 07 45.3 +0.5
W40A	Ferguson Farm,	34.58	329	P	P	12 07 45.3 +0.5
V41A	Mountainview	34.58	330	P	P	12 07 44.8 0.0
U42A	Reviden	34.60	332	P	P	12 07 45.2 +0.3
R46A	Gibson Southern	34.61	338	P	P	12 07 45.4 +0.4
X39A	Fountain Ranch	34.62	327	P	P	12 07 45.6 +0.5

P50A	Jamestown	34.67	344	P	P	12 07 46.3 +0.7
T43A	Greenville	34.77	334	P	P	12 07 46.5 +0.1
WHXT	Lake Whitney,	34.83	320	P	P	12 07 46.6 -0.4
S44A	Carbondale	34.84	336	P	P	12 07 47.3 +0.3
SIUC	Southern Illin	34.84	336	eP	P	12 07 47.8 +0.8
P49A	Miami Univ. Ec	34.87	343	P	P	12 07 47.8 +0.6
Q47A	Bedord North L	34.87	340	P	P	12 07 48.0 +0.8
U41A	Viola	34.91	331	P	P	12 07 47.7 0.0
V40A	Witts Springs	34.93	330	eP	P	12 07 48.2 +0.3
V40A	Witts Springs	34.93	330	P	P	12 07 47.8 -0.1
W39A	Magazine	34.96	328	eP	P	12 07 48.6 +0.6
W39A	Magazine	34.96	328	P	P	12 07 48.3 +0.2
R45A	Skylar, Fairfri	34.97	337	P	P	12 07 48.7 +0.6
N54A	Moraine State	35.08	349	P	P	12 07 49.4 +0.8
T42A	Van Buren	35.08	333	eP	P	12 07 49.4 +0.3
T42A	Van Buren	35.08	333	P	P	12 07 49.3 +0.2
S43A	Fulton Ridge,	35.08	334	P	P	12 07 49.1 -0.1
O50A	Cable	35.12	344	P	P	12 07 50.7 +1.2
R44A	Waltonville	35.25	336	P	P	12 07 50.9 +0.4
Q46A	CEJHS Indians,	35.27	339	P	P	12 07 51.4 +0.7
OLIL	Olney	35.29	338	eP	P	12 07 50.7 -0.2
P47A	Martinsville	35.31	341	P	P	12 07 51.5 +0.5
V39A	Pettigrew	35.38	329	P	P	12 07 51.7 0.0
U40A	Yellville	35.38	330	P	P	12 07 51.9 +0.2
T41A	Mountain View	35.40	332	P	P	12 07 51.8 -0.1
Q45A	Warren Harvey,	35.45	338	P	P	12 07 52.7 +0.5
M54A	Oil Creek Stat	35.55	350	P	P	12 07 54.0 +1.0
CPUP	Villa Florida	35.56	157	LR	LR	12 23 43.9
S42A	Caledonia	35.56	334	P	P	12 07 52.8 -0.4
FVM	French Village	35.58	334	eP	P	12 07 54.5 +1.1
N50A	Nevada	35.59	345	P	P	12 07 54.4 +1.0
R43A	Red Bud	35.62	335	P	P	12 07 53.7 0.0
U39A	Green Forest	35.71	329	P	P	12 07 54.2 -0.4
P46A	Rosedale	35.75	340	P	P	12 07 55.7 +1.0
S41A	Jillico Farms,	35.84	333	P	P	12 07 55.5 -0.2
P45A	Graceland, Par	35.86	339	eP	P	12 07 56.5 +0.8
P45A	Graceland, Par	35.86	339	P	P	12 07 56.0 +0.3
HRV	Adam Dzewonsk	35.87	0	eP	P	12 07 56.6 +0.9
HHAR	Holers	35.87	329	eP	P	12 07 55.4 -0.6
O47A	Sheridan	35.96	341	P	P	12 07 57.0 +0.4
R42A	Luebbering	35.99	334	P	P	12 07 57.0 +0.2
CCM	Cathedral Cave	36.00	334	eP	P	12 07 58.1 +1.1
CCM	Cathedral Cave	36.00	334	P	P	12 07 57.7 +0.7
Q43A	New Douglas	36.09	336	P	P	12 07 57.6 -0.1
P44A	Sand Creek, Wi	36.12	338	P	P	12 07 58.1 +0.1
T39A	Cleaver	36.16	330	P	P	12 07 58.2 -0.3
S40A	Lebanon	36.20	332	P	P	12 07 58.7 0.0
R41A	Rosedale	36.26	334	P	P	12 07 59.1 -0.1
SFIN	Lafayette	36.39	340	eP	P	12 08 01.1 +0.9
SFIN	Lafayette	36.39	340	P	P	12 08 01.0 +0.7
O45A	Potomac	36.49	339	P	P	12 08 01.4 +0.3
TUL1	Leonard	36.57	326	P	P	12 08 01.2 -0.7
P43A	Skaggs, Pawnee	36.62	337	P	P	12 08 02.0 -0.2
T38A	Diamond	36.63	329	P	P	12 08 01.7 -0.7
ABTX	Abilene, Hawle	36.65	319	eP	P	12 08 02.5 -0.1
ABTX	Abilene, Hawle	36.65	319	P	P	12 08 02.5 -0.1
R40A	Maddies Statio	36.65	333	eP	P	12 08 02.2 -0.4
R40A	Maddies Statio	36.65	333	P	P	12 08 02.1 -0.4
S39A	Bolivar	36.66	331	eP	P	12 08 02.5 -0.1
S39A	Bolivar	36.66	331	P	P	12 08 02.2 -0.5
Q41A	Truxton	36.74	334	P	P	12 08 02.9 -0.3
P42A	Winchester	36.90	336	P	P	12 08 04.4 -0.3
S38A	Stockton	36.90	330	P	P	12 08 04.1 -0.6
N45A	Kentland	36.95	340	P	P	12 08 05.2 +0.2
R39A	Chumby, Stover	37.27	332	P	P	12 08 05.4 -0.4
N44A	Piper City	37.12	339	P	P	12 08 06.2 -0.2
Q40A	Laux Farm, Aux	37.14	334	P	P	12 08 06.3 -0.4
L47A	Shelwood	37.26	344	P	P	12 08 07.7 0.0
P41A	Barry, Barry	37.27	335	P	P	12 08 07.3 -0.5
R38A	Fenwick Farm,	37.34	331	P	P	12 08 07.8 -0.6
M45A	Boilermakers S	37.35	341	P	P	12 08 08.7 +0.3
WMOK	Wichita Mounta	37.48	322	eP	P	12 08 08.8 -0.9
WMOK	Wichita Mounta	37.48	322	P	P	12 08 08.6 -1.1
O41A	Passleys Farm,	37.57	336	P	P	12 08 10.2 -0.1
P40A	Paris	37.57	334	eP	P	12 08 09.6 -0.7
P40A	Paris	37.57	334	P	P	12 08 09.8 -0.5
Q39A	Willard Grove F	37.59	333	P	P	12 08 09.9 -0.5
LTX	Lajitas	37.59	311	eP	P	12 08 10.5 -0.4
TXAR	Lajitas Array	37.59	311	eP	P	12 10 29.3 +1.0
TXAR	Lajitas Array	37.59	311	P	P	12 10 29.3 -0.3
TXAR	Lajitas Array	37.59	311	P	P	12 10 29.3 +1.0
TXAR	Lajitas Array	37.59	311	LR	LR	12 27 37.8
TX31	Lajitas Ar. Si	37.59	311	eP	P	12 08 10.6 -0.3
TX31	Lajitas Ar. Si	37.59	311	P	P	12 08 10.7 -0.2
LBNH	Libson	37.60	360	P	P	12 08 11.0 +0.5
M44A	Midewin, Midew	37.61	340	P	P	12 08 10.5 -0.1

Q38A	Cooks Store, C	37.81	332	P	P	12 08 12.3 -0.1
N42A	Yates City	37.84	337	P	P	12 08 12.0 -0.6
P39B	Salisbury	37.84	333	P	P	12 08 12.1 -0.5
M43A	Waltham Townsh	37.97	339	P	P	12 08 13.0 -0.7
O40A	La Belle	37.98	335	P	P	12 08 13.2 -0.6
N41A	Harden Midland	38.06	336	P	P	12 08 13.8 -0.7
Q37A	Longview Farm,	38.14	331	P	P	12 08 14.6 -0.5
P38A	Dawn	38.31	333	P	P	12 08 16.1 -0.5
N40A	Mertquaque, Sal	38.50	336	P		

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes call signs like LAZ, E39A, F38A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes call signs like HWUT, DUG, DUG, LAO, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other technical details. Includes call signs like WRR1, WRA, WRA, etc.

IDC 09 12:23:47.3-8.8, 24.09N-140.85E, h74km, 115km, mb2.9/3, mb1 3.2/4, mb1mx2.9/69, mb1mp3.4/4, ML3.9/1, Error ellipse: s-maj=120.0km s-min=29.9km az=77.0, Volcano Islands region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
JCJ	Chichijima	3.23	22	Op	ISC	12 24 36.2	+0.5
JCJ		14m, 0.3s, baz=273, slow=19, SNR=2.9					
JCJ				S	Pn	12 25 13.4	+0.3
WRA	Warramunga Arr	44.22	189	P	P	12 31 48.8	-0.6
ASAR	Alice Springs	47.95	189	P	P	12 32 18.9	+0.3
MKAR	Makanchi Array	51.51	312	P	P	12 32 45.6	+0.1

IDC 09 12:26:30.4-476.0, 51.77N-53.05E, h0km, Error ellipse: s-maj=181.8km s-min=85.0km az=111.0, Baltic States-Belarus-Northwestern Russia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
I431KZ	AKTYUBINSK INF	3.43	111	Op	ISC	12 48 00.0	
I431RU	DUBNA INFRASO.050 304					13 32 30.0	
I26DE	FREYUNG INFRAS.08 279					15 13 10.0	

MAN 09 12:32:54.4, 6.95N-124.62E, h27km, mb4.3, ML3.1, MS2.8, 2C, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
SKMP	Bagumbayan-Su	0.44	190	Op	ISC	12 33 04.8	+0.2
SKMP		0.89	82	eS	Pn	12 33 12.9	+0.9
DMPH	Davao City-Mi	0.89	82	eP	Pn	12 33 15.6	+4.4
BMPK	Musuan	1.02	25	eP	Pn	12 33 23.4	+0.3
BUPK	Don Marcelino,	1.37	128	eS	Pn	12 33 11.6	-1.4
DDMP	Cagayan de Oro	1.49	31	eP	Pb	12 33 24.3	-2.1
CGP	Pagadian	1.52	306	eS	Pn	12 33 35.7	+0.7
PAGZ				eS	Pb	12 33 20.6	-0.8
PAGZ				eS	Pb	12 33 38.0	0.0
PAGZ				eS	Pn	12 33 19.9	+0.1
PAGZ				eS	Pn	12 33 39.3	+0.6

IDC 09 12:36:19.0-0.6, 13.45N-89.75W, h0km, mb4.2/16, mb1 4.4/16, mb1mx4.2/43, mb1mp4.2/16, MS4.0/34, Ms1 4.0/34, ms1mx3.9/45, Error ellipse: s-maj=26.2km s-min=12.9km az=50.0

ISCJB 09 12:36:21.7-0.2, 13.27N-0.02-90.30W-0.02, h24km, mb4.6/202, MS4.0/34, Error ellipse: s-maj=3.5km s-min=2.1km az=26.0

CASC 09 12:36:24.5-1.8, 13.18N-90.25W, h25km, 6km, ML4.6, mb4.7(NVIC)

GCMT 09 12:36:25.6-0.3, 13.20N-90.02-90.41W-0.02, h26km, 1km, MW5.0/34, Moment Tensor Solution, s40, c51, s94, c140; Duration: 0 Moment tensor: Scale 1016Nm; Mw: 7.9; 12; Mw-0.07±.19; Best double couple: Mc3.6/0.005±.09; NP1±0.227, 0.0000°, 678.00000°, λ-13.00000°. NP2: ±0.319, 0.0000°, 677.00000°, λ-167.00000°. Principal axes: T 2.9490, Plg0.0000°, Azm273.0000°; N 1.3230, Plg72.0000°, Azm4.0000°; P -4.2710, Plg18.0000°, Azm183.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 09 12:36:27.6-0.0, 13.30N-90.00W, h63km, 3km, mb4.7/226, MD4.8(SNET), MD4.9(MEX) Error ellipse: s-maj=4.0km s-min=2.7km az=218.0

NEIC Felt (III) at San Salvador. Also felt at Antigua Guatemala, Guatemala and Jocotenango, Guatemala.

MEX 09 12:36:21.2-0.5, 13.47N-90.97W, h1km, 83km, MD4.9

ISC 09 12:36:22.1-0.4, 13.18N-0.04-90.31W-0.04, h24km, n723, c1545/688, mb4.7/203, MS4.1/34, Near coast of Guatemala

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
SBSL	San Blas	0.94	45	Op	Pb	12 36 40.7	+0.9
RTR	El Retiro	0.96	42	eP	Pb	12 36 41.2	+1.0
SNJE	San Jose	0.97	45	eP	Pn	12 36 41.1	+0.7
CEDA	San Andres	1.08	55	eP	Pn	12 36 43.0	+0.8
CEDA				IAML		12 37 08.2	
COLS	Colinas	1.09	63	eP	Pb	12 36 43.5	+1.0
COLS				eS	Sb	12 36 58.4	+2.0
BOQS	Boqueron	1.14	61	eP	Pb	12 36 44.2	+0.9
SNET	Serv Nac Est T	1.16	64	eP	Pb	12 36 44.3	+0.7
SNET				IAML		12 37 08.2	
UEES	San Salvador	1.17	62	eP	Pb	12 36 45.0	+1.3
UEES				IAML		12 37 11.4	
OPAM	San Salvador	1.20	63	eP	Pb	12 36 45.8	+1.5
UBDS	Soyapango	1.24	64	eP	Pb	12 36 46.4	+1.4
UBDS				IAML		12 37 11.3	
LFRS	El Faro	1.29	70	eP	Pn	12 36 45.7	+0.9
LFRS	La Fuente	1.29	64	eP	Pb	12 36 45.8	+0.8
LBR5	Las Brisas	1.35	65	eP	Pb	12 36 47.2	+0.4
UESV	Ojuhatada	1.49	82	IAML		12 37 18.4	
SNVI	San Vicente	1.49	73	eP	Pb	12 36 49.3	+0.1
MTOS	Montecito	1.52	37	eP	Pn	12 36 49.1	+1.4
MTOS				eS	Pn	12 37 10.0	+2.7
LLGN	La Laguna	1.56	53	eP	Pb	12 36 52.0	+0.1
LLGN				eS	Pn	12 37 11.2	+1.1
TECA	Tecapa	1.78	80	eP	Pn	12 36 52.6	+1.0
PACA	Pacayal	1.95	81	eP	Pb	12 36 56.5	-0.6
LCY	Lacayo	1.97	83	eP	Pb	12 36 56.1	-1.4
YSM	San Miguel	1.99	83	eP	Pb	12 36 56.5	-1.4
LCND	La Ca-ada	2.35	86	eP	Pb	12 37 01.1	+1.7
LCND				IAML		12 37 38.4	
CSGN	Cosiguina Volc	2.68	94	ePn	Pn	12 37 05.5	+1.7
CSGN				eS	Sb	12 37 39.6	-2.5
CSGN	Cosiguina Volc	2.68	94	ePn	Pn	12 37 05.6	+1.7
TGUH	Tegucigalpa,Un	3.08	73	ePn	Pn	12 37 11.3	+2.1
CCIG	Comitan	3.56	330	ePn	Pn	12 37 18.4	+2.3
CCIG				eS	Pn	12 37 52.9	-4.6
CCIG	Comitan	3.56	330	ePn	Pn	12 37 18.4	+2.3
CCIG				eS	Pn	12 37 52.9	-4.6
CNGN	Cerro Negro	3.58	100	eP	Pn	12 37 18.4	+2.2
CNGN				IAML		12 38 14.1	
MOMM	Momotombo	3.75	101	eP	Pn	12 37 19.4	+0.8
COPN	Copaltepe	3.76	105	eP	Pn	12 37 19.3	+0.6
PCIG		3.78	312	ePn	Pn	12 37 18.8	-0.1
PCIG				eS	Pn	12 37 55.8	-6.9
PCIG		3.78	312	ePn	Pn	12 37 18.8	-0.1
PCIG				eS	Pn	12 37 55.8	-6.9
ESTN	Estel	3.83	91	ePn	Pn	12 37 21.1	+1.3
ESTN	Estel	3.83	91	ePn	Pn	12 37 21.1	+1.3
ESTN				eS	Pn	12 37 09.8	+5.6
RCOAN	San Juan de Ri	4.05	85	eP	Pn	12 37 24.3	+1.5
MIGAN	Managua	4.09	104	eP	Pn	12 37 24.0	+0.8
MATN	Matagalpa	4.28	93	eP	Pn	12 37 25.8	+0.7
TGIG		4.50	323	ePn	Pn	12 37 30.1	+1.1
TGIG		4.50	323	eP	Pn	12 37 30.1	+1.1
BOAB	BOACO BROADBAM.58	99	ePn	Pn	12 37 30.5	+0.5	
BOAB	BOACO BROADBAM.58	99	ePn	Pn	12 37 30.6	+0.7	
CRZ1	La Cruz	5.02	114	eP	Pn	12 37 36.3	+0.3
BUEV	Buena Vista	5.05	115	eP	Pn	12 37 36.3	+0.3
MESAS	Mesas	5.55	115	eP	Pn	12 37 44.8	+1.3
CUI	Cuipilapa	5.62	116	eP	Pn	12 37 46.2	+1.9
CMIG	Matias Romero	5.89	312	Pn	Pn	12 37 48.3	+0.3
CMIG				eS	Pn	12 38 51.8	-3.0
ESPN	Las Esperanzas	5.94	99	ePn	Pn	12 37 50.1	+1.4
ESPN	Las Esperanzas	5.94	99	ePn	Pn	12 37 50.0	+1.3
JTS	JuntasAbangare	5.97	118	Pn	Pn	12 37 51.7	+2.6

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h	s
JTS	comp=N, 6.1nm, 0.3s, baz=312, slow=22, SNR=30			Pg	Pb	12 38 03.4	-2.2
JTS	comp=N, 22nm, 0.3s, baz=343, slow=10, SNR=36			Sn	Sn	12 38 53.8	-3.0
JTS	baz=359, slow=16, SNR=1.3			Lg	Lg	12 39 18.7	
ARE1	Arenal 1	6.10	116	eP	Pn	12 37 53.6	+2.8
HUATU	Huatuco	6.18	295	ePn	Pn	12 37 51.3	-0.7
HUIG	Huigalpa	6.18	295	eP	Pn	12 37 51.3	-0.7
CGA2	Cerro Gallo 2	6.53	118	eP	Pn	12 37 59.7	+2.9
CGA2				eS	Pn	12 39 09.9	-0.7
HDC	Heredia	6.84	117	eP	Pn	12 38 05.1	+4.0
HDC	Heredia	6.84	117	eP	Pn	12 38 05.2	+4.1
CCRI	Cerro Rios	7.08	211	eP	Pn	12 38 07.2	+2.7
CVTR	Volcancito Turrial	7.14	115	eP	Pn	12 38 05.2	+2.7
BUS	Buena Vista	7.36	119	eP	Pn	12 38 12.3	+3.8
MYIG	Moravia	7.76	4	ePn	Pn	12 38 15.3	+1.6
ICCO	Coco Island	8.23	157	eP	Pn	12 38 23.3	+3.2
TLIG	Tiapa	9.08	300	ePn	Pn	12 38 35.0	+3.0
BCIP	Isla Barro Col	11.02	110	ePn	Pn	12 39 02.5	+4.2
JROG	Juriquilla Cam	12.25	309	ePn	Pn	12 39 20.4	+5.0
MOIG	Morelia	12.28	303	ePn	Pn	12 39 19.7	+3.9
LNIG	Lanacates	14.52	325	ePn	P	12 39 51.4	-1.2
ZAIG	Zacatecas	15.06	311	ePn	P	12 39 57.0	-1.9
058A	Arcadia	15.94	29	P	Pn	12 40 04.5	-0.4
060A	Indianatun	16.64	33	P	Pn	12 40 13.6	-0.3
857A	Zephyrhills	16.80	25	Pn	Pn	12 40 14.3	-1.5
833A	Chaparral WMA,	17.29	332	ePn	P	12 40 24.1	+0.7
833A	Chaparral WMA,	17.29	332	P	P	12 40 24.6	+1.3
OTAV	Otavalo	17.41	137	ePn	P	12 40 26.7	+1.4
HKT	Hockley	17.46	344	ePn	P	12 40 26.1	+1.0
444A	Pine Grove	17.46	359	P	P	12 40 26.7	+1.5
655A	Horsehoe Beac	17.52	21	P	P	12 40 26.2	+0.4
446A	Poplarville	17.55	3	P	P	12 40 27.0	+0.8
447A	Lucedale	17.60	5	ePn	P	12 40 27.7	+1.0
447A	Lucedale	17.60	5	P	P	12 40 28.3	+1.6
656A	Willston	17.66	23	ePn	P	12 40 28.0	+0.6
656A	Willston	17.66	23	P	P	12 40 27.5	+0.1
441A	DeRidder	17.69	352	P	P	12 40 29.4	+1.6
449A	Pace	17.73	9	P	P	12 40 29.7	+1.6
553A	Crawfordville	17.78	17	P	P	12 40 29.4	+0.6
448A	Bay Minette	17.82	7	P	P	12 40 28.4	-0.1
ROSC	El Rosal	17.82	116	P	P	12 40 33.8	+4.1
ROSC	comp=N, 1.7nm, 0.3s, baz=355, slow=8.6, SNR=8.1			LR	LR	12 47 36.3	
ROSC	comp=N, 236nm, 21.2s, baz=337, slow=39			LR	LR	12 47 36.3	
ROSC	El Rosal	17.82	116	ePn	P	12 40 30.4	+0.7
758A	Lake						

MIAR	Mount Ida	21.48	353	P	P	12 41 09.5	+0.4
X39A	Fountain Ranch	21.52	351	P	P	12 41 11.7	+2.2
X49A	Woodbury	21.55	9	P	P	12 41 10.9	+1.1
UALR	University of	21.59	355	eP	P	12 41 10.7	+0.5
X50B	Fort Payne	21.61	10	P	P	12 41 11.2	+0.7
Y54A	Tignall	21.73	17	P	P	12 41 12.4	+0.6
PLAL	Pickwick Lake	21.81	5	eP	P	12 41 13.5	+0.9
LP1G	La Paz	21.82	303	LR	LR	12 49 42.9	
CSU	Charleston Sou	21.82	24	eP	P	12 41 13.6	+0.8
X51A	Calhoun	21.86	12	eP	P	12 41 13.0	-0.2
NHSC	New Hope	21.89	23	eP	P	12 41 13.5	+0.1
NHSC	New Hope	21.89	23	P	P	12 41 13.7	+0.2
W45A	Hickory Valley	21.91	2	P	P	12 41 14.8	+1.1
W41B	Gary Mavity, V	21.97	356	eP	P	12 41 15.1	+0.7
W41B	Gary Mavity, V	21.97	356	P	P	12 41 16.7	+2.3
W40A	Ferguson Farm,	22.06	354	eP	P	12 41 15.5	+0.2
W40A	Ferguson Farm,	22.06	354	P	P	12 41 16.3	+1.0
W48A	Pulaski	22.08	7	P	P	12 41 16.2	+0.7
WHAR	Woolly Hollow	22.09	356	eP	P	12 41 16.0	+0.3
X52A	Dahlonaga	22.11	14	P	P	12 41 15.8	-0.1
W47A	Westpoint	22.12	6	P	P	12 41 16.1	+0.2
W39A	Magazine	22.15	352	eP	P	12 41 16.6	+0.3
W39A	Magazine	22.15	352	P	P	12 41 16.1	-0.2
W49A	Getviden	22.15	9	P	P	12 41 16.2	-0.1
X53A	Estanollee	22.16	15	P	P	12 41 16.9	+0.4
SWET	Sewanee	22.20	9	eP	P	12 41 18.4	+0.5
W50A	Signal Mountai	22.29	11	eP	P	12 41 19.3	+0.4
W50A	Signal Mountai	22.29	11	P	P	12 41 18.4	-0.5
W51A	Cleveland	22.46	12	P	P	12 41 18.8	-0.8
V42A	Cord	22.55	358	P	P	12 41 20.1	-0.5
J5C	Jenkinsville	22.56	20	eP	P	12 41 20.8	+0.2
W52A	Murphy	22.57	14	eP	P	12 41 21.7	+0.9
V41A	Mountainview	22.57	356	P	P	12 41 19.5	-1.3
V46A	Holladay	22.61	5	P	P	12 41 20.6	-0.6
V40A	Witts Springs	22.65	355	eP	P	12 41 21.6	0.0
V40A	Witts Springs	22.65	355	P	P	12 41 21.3	-0.3
V48A	Smith Brothers	22.69	7	eP	P	12 41 22.9	+0.9
V48A	Smith Brothers	22.69	7	P	P	12 41 22.4	+0.4
GNAR	Gonsell	22.69	1	eP	P	12 41 23.4	+1.3
V47A	Nunnely	22.70	6	P	P	12 41 22.2	+0.1
BG3	Lake Jocassee	22.73	16	eP	P	12 41 23.1	+0.7
V39A	Pettigrew	22.77	353	P	P	12 41 23.0	+0.1
CPCT	Cooper Cave	22.79	12	eP	P	12 41 23.4	+0.4
WMOK	Wichita Mounta	22.80	342	eP	P	12 41 23.9	+0.6
WMOK	Wichita Mounta	22.80	342	P	P	12 41 23.7	+0.5
W53A	Culowhee	22.83	15	P	P	12 41 23.3	-0.4
V49A	McMinnville	22.84	9	P	P	12 41 23.6	-0.1
V50A	Pikeville	22.89	11	P	P	12 41 24.2	+0.1
GD12	Gadualpe Moun	22.91	328	eP	P	12 41 25.2	+0.7
WVT	Waverly	22.96	5	eP	P	12 41 24.1	-0.8
WVT	Waverly	22.96	5	P	P	12 41 24.9	0.0
GLAT	Glass	23.02	2	eP	P	12 41 25.1	-0.3
MNTX	Cornudas Mount	23.06	326	eP	P	12 41 26.5	+0.6
MNTX	Cornudas Mount	23.06	326	P	P	12 41 26.1	+0.1
U44B	Burton Farm, H	23.08	2	P	P	12 41 27.1	+1.0
U42A	Reverden	23.09	358	P	P	12 41 26.4	+0.2
U43A	Rector	23.10	360	P	P	12 41 27.3	+1.1
U41A	Viola	23.12	357	P	P	12 41 26.8	+0.3
TKL	Tuckaleechee C	23.15	14	P	P	12 41 26.7	-0.1
TKL	Tuckaleechee C	23.15	14	LR	LR	12 50 48.0	
BLA	Blacksburg	23.15	14	eP	P	12 41 27.0	+0.2
V51A	Loudon	23.16	12	eP	P	12 41 27.1	+0.2
V51A	Loudon	23.16	12	P	P	12 41 27.1	+0.2
U46A	Springville	23.16	4	P	P	12 41 25.9	-1.0
TUL1	Leonard	23.17	349	eP	P	12 41 25.5	-1.5
TUL1	Leonard	23.17	349	P	P	12 41 25.7	-1.3
U40A	Yellville	23.20	355	P	P	12 41 27.1	-0.2
U44A	Portageville	23.24	1	P	P	12 41 28.2	+0.5
HHAR	Hobbs	23.24	353	eP	P	12 41 28.0	+0.3
U39A	Green Forest	23.29	354	P	P	12 41 28.0	-0.1
U47A	Clarksville	23.33	6	P	P	12 41 28.3	-0.2
KM5C	Kings Mountain	23.33	19	eP	P	12 41 28.8	+0.2
KM5C	Kings Mountain	23.33	19	P	P	12 41 27.8	-0.8
V52A	Sevierville	23.36	14	eP	P	12 41 28.9	-0.1
V52A	Sevierville	23.36	14	P	P	12 41 28.7	-0.3
PARMO	Parma	23.39	1	eP	P	12 41 29.7	+0.5
V53A	Saluda	23.39	16	eP	P	12 41 29.9	+0.7
V53A	Saluda	23.39	16	P	P	12 41 29.4	+0.1
U48A	Cassie Pea, Po	23.48	8	P	P	12 41 28.9	-1.2
PBMO	Poplar Bluff	23.50	360	eP	P	12 41 29.8	-0.5
U49A	Red Boiling Sp	23.59	9	P	P	12 41 31.4	+0.3
MSTX	Muleshoe	23.60	333	eP	P	12 41 30.7	-0.7
MSTX	Muleshoe	23.60	333	P	P	12 41 31.3	-0.1
U50A	Jamestown	23.66	11	P	P	12 41 31.4	-0.4
T42A	Van Buren	23.77	358	eP	P	12 41 33.2	+0.4

T42A	Van Buren	23.77	358	P	P	12 41 32.6	-0.2
U51A	La Follette	23.79	13	P	P	12 41 32.7	-0.3
T45A	Paedalen	23.79	3	eP	P	12 41 33.7	+0.7
T45A	Paducah	23.79	3	P	P	12 41 32.5	-0.5
T41A	Mountain View	23.80	357	P	P	12 41 33.1	-0.1
T44A	Benton	23.82	1	P	P	12 41 33.7	-0.7
T46A	Princeton	23.86	5	P	P	12 41 33.4	-0.4
T47A	Sharon Grove	23.89	6	eP	P	12 41 34.0	+0.1
T47A	Sharon Grove	23.89	6	P	P	12 41 33.2	-0.7
T39A	Dixie	23.91	354	P	P	12 41 33.5	-0.7
AMTX	Amarillo	23.94	336	eP	P	12 41 35.8	+1.2
AMTX	Amarillo	23.94	336	P	P	12 41 35.2	+0.6
U52A	Thorn Hill	23.95	14	P	P	12 41 33.6	-1.0
T38A	Diamond	24.03	352	P	P	12 41 34.6	-0.7
TZTN	Tazewell	24.05	13	eP	P	12 41 36.3	+0.8
TZTN	Tazewell	24.05	13	P	P	12 41 34.1	-1.4
T48A	Bowling Green	24.09	8	P	P	12 41 35.1	-0.7
U53A	Fall Branch	24.11	15	P	P	12 41 35.0	-1.1
T49A	Edmonton	24.21	9	eP	P	12 41 36.7	-0.3
T49A	Edmonton	24.21	9	P	P	12 41 36.6	-0.3
T50A	Nazareth	24.25	11	P	P	12 41 36.8	-0.5
S43A	Fulton Ridge,	24.30	0	P	P	12 41 36.6	-1.2
S41A	Jillico Farms,	24.35	357	P	P	12 41 37.6	-0.6
T51A	Gray	24.37	12	P	P	12 41 38.1	-0.3
S40A	Lebanon	24.40	356	P	P	12 41 38.4	-0.4
S44A	Carbondale	24.44	2	P	P	12 41 38.6	-0.5
SIUC	Southern Illin	24.46	2	eP	P	12 41 38.8	-0.4
S42A	Caledonia	24.50	359	P	P	12 41 39.1	-0.5
S47A	Hartford	24.51	7	P	P	12 41 39.0	-0.7
S46A	Dorchester Farm	24.52	5	P	P	12 41 39.3	-0.4
S39A	Bolivar	24.56	354	eP	P	12 41 40.1	-0.1
S39A	Bolivar	24.56	354	P	P	12 41 39.5	-0.7
S38A	Stockton	24.57	353	P	P	12 41 39.5	-0.7
CUPR	Culebra, Puert	24.61	75	eP	P	12 41 39.9	-0.9
CNCC	Cliffs of the	24.67	25	eP	P	12 41 40.5	-0.6
S48A	Wiedeman Farm,	24.68	8	P	P	12 41 40.7	-0.5
NCAT	North Carolina	24.70	21	eP	P	12 41 41.6	+0.1
FVM	French Village	24.71	360	eP	P	12 41 41.8	+0.3
CCM	Cathedral Cave	24.79	358	eP	P	12 41 41.3	-1.0
CCM	Cathedral Cave	24.79	358	P	P	12 41 42.1	-0.2
USIN	University of	24.80	5	eP	P	12 41 42.6	+0.3
S49A	Springfield	24.91	9	P	P	12 41 42.8	-0.6
R44A	Waltonville	25.00	2	P	P	12 41 44.2	+0.1
R43A	Red Bud	25.00	1	P	P	12 41 43.5	-0.7
R42A	Luebbering	25.01	359	P	P	12 41 44.0	-0.2
R41A	Rosebud	25.04	358	P	P	12 41 44.1	-0.4
121A	Cookes Peak, D	25.04	323	P	P	12 41 45.7	+0.9
R46A	Gib Southern	25.06	5	P	P	12 41 44.2	-0.4
R40A	Maddies Statio	25.07	356	eP	P	12 41 43.8	-1.1
R40A	Maddies Statio	25.07	356	P	P	12 41 44.3	-0.5
R45A	Skyler, Fairir	25.08	4	P	P	12 41 44.7	-0.2
SS1A	Beattyville	25.09	13	eP	P	12 41 44.8	-0.1
R38A	Fenwick Farm,	25.12	353	P	P	12 41 45.3	+0.1
319A	Douglas	25.16	319	eP	P	12 41 47.5	+1.7
R39A	Chumby, Stover	25.16	355	P	P	12 41 44.8	-0.7
W3C	Wyandotte Cave	25.21	7	eP	P	12 41 45.8	-0.2
WCI	Wyandotte Cave	25.21	7	P	P	12 41 45.3	-0.7
R47A	Wooly Knot Far	25.24	7	P	P	12 41 45.5	-0.8
R49A	Shelbyville	25.43	9	P	P	12 41 47.5	-0.5
BLA	Blacksburg	25.52	19	eP	P	12 41 48.6	-0.3
BLA	Blacksburg	25.52	19	P	P	12 41 48.4	-0.5
OLIL	Olney	25.53	4	eP	P	12 41 49.3	+0.4
Q42A	Golden Eagle	25.64	360	P	P	12 41 49.9	0.0
Q44A	Meyer Farm, Va	25.65	2	P	P	12 41 49.3	-0.7
Q43A	New Douglas	25.67	1	P	P	12 41 49.1	-1.1
Q45A	Warren Harvey,	25.69	4	P	P	12 41 49.3	

9d 12h

J37A	Redenius Farm, baz=183	30.16 355	P	P	12 42 29.6	-0.7
PV23	Carpenter Ridg comp=N,1.2m,0.8s	30.16 330	eP	P	12 42 32.2	+1.5
PDMCI	Parker Dam,Lak baz=128	30.16 318	P	P	12 42 32.6	+2.1
PV21	Cone Mtn., Par comp=N,3.4nm,0.7s	30.23 330	eP	P	12 42 33.3	+2.0
U15A	North Rim comp=N,5.5nm,0.8s	30.42 323	eP	P	12 42 35.5	+2.4
W13A	Hualapai Mount, comp=N,4.2nm,0.8s	30.50 320	eP	P	12 42 36.7	+3.0
IKP	In-Ko-Pah, Jac baz=123	30.53 314	P	P	12 42 33.5	-0.3
I39A	Houston comp=N,1.9nm,1.0s	30.59 358	P	P	12 42 34.4	+0.2
BC3	Big Chuckwalla baz=125,SNR=7.1	30.64 316	P	P	12 42 33.9	-1.0
I43A	Langenfeld Bro baz=184	30.66 3 3	P	P	12 42 33.3	-1.4
IRM	Iron Mountain baz=129	30.73 317	P	P	12 42 37.0	+1.4
I41A	Arkdale comp=N,17nm,0.8s	30.78 1	eP	P	12 42 35.2	-0.6
I41A	Arkdale baz=180	30.78 1	P	P	12 42 35.1	-0.7
I38A	Scanlan Farm, baz=176	30.81 357	P	P	12 42 35.0	-1.0
N23A	Red Feather La baz=149	30.82 336	P	P	12 42 38.1	+1.6
I37A	Lemond, Waseca comp=N,23nm,0.8s	30.85 356	eP	P	12 42 35.7	-0.7
I37A	Lemond, Waseca comp=N,23nm,0.8s	30.85 356	P	P	12 42 35.4	-1.0
MONPZ	Monument Peak baz=123	30.88 314	P	P	12 42 37.9	+0.8
ECSD	EROS Data Cent comp=N,5.3nm,0.8s	30.93 351	eP	P	12 42 36.6	-0.5
ECSD	EROS Data Cent baz=188	30.93 351	P	P	12 42 35.9	-1.3
PKCU	Pink Cliffs comp=N,11nm,1.1s	31.14 325	eP	P	12 42 40.8	+1.3
O20A	White River Cl comp=N,4.6nm,0.8s	31.15 333	eP	P	12 42 40.7	+1.4
O20A	White River Cl baz=144	31.15 333	P	P	12 42 39.6	+0.2
BELC	Belle Mtn. Jos baz=125	31.21 316	P	P	12 42 41.9	+1.9
H43A	Windswept, Lux baz=184	31.26 3 3	P	P	12 42 38.8	-1.2
LDFC	Landfair comp=N,15nm,0.8s	31.27 318	eP	P	12 42 43.5	+3.1
XPFO	Piason Flat comp=N,13nm,1.3s	31.30 315	eP	P	12 42 43.0	+2.3
PFO	Pinyon Flats O comp=N,13nm,1.3s	31.31 315	eP	P	12 42 43.0	+2.2
PFO	Pinyon Flats O comp=N,13nm,1.3s	31.31 315	P	P	12 42 41.8	+1.1
H41A	Junction City baz=181	31.34 1	P	P	12 42 39.8	-0.9
H40A	Chili baz=179	31.34 360	P	P	12 42 40.1	-0.7
FRD	Ford Ranch, An baz=124	31.34 315	P	P	12 42 44.3	+3.3
H37A	Dierke Farm, C baz=175	31.38 356	P	P	12 42 40.5	-0.6
LCMT	Little Creek M comp=N,6.9nm,0.9s	31.38 323	eP	P	12 42 43.2	+1.8
H39A	Augusta baz=178	31.41 359	P	P	12 42 40.7	-0.6
H38A	Malden Rock baz=176	31.44 357	P	P	12 42 40.6	-1.0
H36A	Jessenland, He baz=173	31.45 355	P	P	12 42 40.7	-0.9
GMRC	Granite Mounta baz=127	31.45 318	P	P	12 42 44.1	+2.1
H35A	Sunnyside Ranc baz=171	31.65 354	P	P	12 42 42.8	-0.7
P18A	Preston Nutter comp=N,3.3nm,0.8s	31.68 330	eP	P	12 42 46.1	+2.0
SZCU	Shurtz Canyon comp=N,8.1nm,0.9s	31.69 324	eP	P	12 42 45.9	+1.7
P17A	Butcher Ranch, comp=N,6.8nm,0.7s	31.80 329	eP	P	12 42 46.3	+1.2
CSUT	Cedar City comp=N,9.5nm,1.0s	31.82 324	eP	P	12 42 47.5	+2.2
MSU	Marysvale Ridgela baz=177	31.84 326	eP	P	12 42 47.8	+2.4
G38A	Cedar City comp=N,9.5nm,1.0s	31.91 358	P	P	12 42 44.5	-1.3
HEC	Hector,Ludlow baz=126	31.92 317	P	P	12 42 48.5	+2.4
G40A	Rib Lake baz=180	31.99 0	P	P	12 42 43.8	-2.6
RWWY	Rawlins comp=N,5.2nm,0.8s	32.00 336	eP	P	12 42 47.7	+0.8
G42A	Mountain comp=N,12nm,0.8s	32.00 3	eP	P	12 42 45.4	-1.2
G42A	Mountain comp=N,12nm,0.8s	32.00 3	P	P	12 42 45.3	-1.2
G39A	Holcombe baz=178	32.01 359	P	P	12 42 45.6	-1.1
SPMN	Marine on St. comp=N,21nm,0.6s	32.01 357	eP	P	12 42 45.1	-1.5
SPMN	Marine on St. baz=175	32.01 357	P	P	12 42 45.4	-1.2
TUQ	Turquoise Moun baz=127,SNR=7.2	32.02 318	P	P	12 42 46.0	-0.9
G43A	Wallace comp=N,12nm,0.7s	32.05 3	eP	P	12 42 45.8	-1.2
G43A	Wallace comp=N,12nm,0.7s	32.05 3	P	P	12 42 45.1	-1.8
SHPR	Sheep Ranch baz=184	32.20 321	eP	P	12 42 50.1	+1.6
F41A	Three Lakes comp=N,6.1nm,0.6s	32.47 2	eP	P	12 42 49.7	-1.0
F41A	Three Lakes baz=182	32.47 2	P	P	12 42 49.1	-1.6
BFSO	Mount Baldy Ra comp=N,12nm,0.8s	32.48 315	P	P	12 42 50.7	-0.4
GSC	Goldstone, Bar comp=N,1.0nm,1.4s	32.51 317	eP	P	12 42 53.4	+2.2
F40A	Park Falls baz=180	32.64 0	P	P	12 42 50.3	-1.8
F45A	CMU Biological baz=188	32.66 6	P	P	12 42 50.9	-1.3
F43A	Flat Rock, Esc baz=185	32.66 4	P	P	12 42 51.1	-1.6
F38A	Pierce - Schro baz=177,SNR=8.4	32.70 358	P	P	12 42 51.1	-1.6
MWC	Mount Wilson comp=N,27nm,1.5s	32.75 315	eP	P	12 42 55.9	+2.4
PSUT	Pine Spring comp=N,6.4nm,0.8s	32.78 325	eP	P	12 42 56.2	+2.5
COWI	Conover comp=N,15nm,0.8s	32.83 1	eP	P	12 42 52.5	-1.3
F44A	Big Bay de Noc baz=187	32.86 5	P	P	12 42 52.3	-1.7
EDW2	Edwards Air Fo baz=124	33.07 316	P	P	12 42 57.9	+1.7
PTGA	Pitinga comp=N,10nm,0.8s	33.10 112	eP	P	12 42 57.2	+0.7
TPNV	Topopah Spring comp=N,4.2nm,0.8s	33.15 320	eP	P	12 42 59.3	+2.3
TPNV	Topopah Spring baz=128,SNR=7.9	33.15 320	P	P	12 42 58.9	+2.0
E40A	Wakfield baz=180	33.16 1	P	P	12 42 55.6	-1.2
LRMCI	Laurel Mtn Rad baz=125,SNR=6.8	33.20 317	P	P	12 42 59.5	+2.1
E42A	Champion baz=184	33.21 3	P	P	12 42 56.1	-1.0
E43A	Lone Tree Farm comp=N,15nm,0.6s	33.21 4	eP	P	12 42 56.0	-1.1
E43A	Lone Tree Farm comp=N,15nm,0.6s	33.21 4	P	P	12 42 55.5	-1.6
FURC	Furnace Creek, baz=127	33.25 319	P	P	12 43 00.4	+2.9
E38A	The Farm, Brul comp=N,21nm,0.6s	33.34 358	eP	P	12 42 57.1	-1.1
E37A	The Farm, Brul baz=178	33.34 358	P	P	12 42 56.7	-1.5
TCUT	Toone Canyon comp=N,9.2nm,0.6s	33.39 330	eP	P	12 43 00.7	+1.6
MPMCI	Manual Prospec baz=126,SNR=11.1	33.41 318	P	P	12 43 01.3	+2.0
DAC	Darwin (Colif) comp=N,8.5nm,1.0s	33.60 318	eP	P	12 42 60.0	-1.0

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R11A	Troy Canyon, C comp=N,7.1nm,1.0s	33.65 323	eP	P	12 43 03.7	+2.4
R11A	Troy Canyon, C comp=N,7.1nm,1.0s	33.65 323	P	P	12 43 03.6	+2.4
ISA	Isabella, Lake baz=131,SNR=16	33.83 316	eP	P	12 43 05.7	+2.9
ISA	Isabella, Lake baz=124	33.83 316	P	P	12 43 04.7	+1.9
HWUT	Hardware Ranch comp=N,8.0nm,0.9s	33.84 331	eP	P	12 43 05.0	+2.0
PD31	Pinedale Array comp=N,9.5nm,1.0s	33.86 334	eP	P	12 43 03.6	+0.5
PDAR	Pinedale Array comp=N,9.5nm,1.0s	33.86 334	eP	P	12 45 42.8	+1.1
PDAR	Pinedale Array comp=N,9.5nm,1.0s	33.86 334	eP	P	12 43 04.0	+0.9
PDAR	Pinedale Array comp=N,9.5nm,1.0s	33.86 334	eP	P	12 45 42.8	+1.1
RYS	Reyes Peak comp=N,1.9nm,1.0s	33.88 314	eP	P	12 45 43.4	+1.5
GRAC	Grapevine Rang comp=N,1.9nm,1.0s	33.89 319	P	P	12 43 04.0	+0.8
D37A	Cotton baz=176	33.92 357	P	P	12 43 02.5	-0.9
D36A	Goodland comp=N,22nm,1.1s	33.98 357	eP	P	12 43 02.6	-1.2
D36A	Goodland baz=175	33.98 357	P	P	12 43 02.5	-1.2
CWC	Cottonwood Cre baz=126	34.02 318	P	P	12 43 06.9	+2.4
BGU	Big Grassy Moun comp=N,5.2nm,0.9s	34.05 328	eP	P	12 43 06.9	+2.2
PKM	Mpherson Peak baz=121	34.33 314	P	P	12 43 09.9	+2.6
VES	Vestal, Richg baz=124,SNR=5.9	34.34 316	P	P	12 43 09.3	+2.2
C35A	Jirik Farms, M comp=N,1.9nm,1.0s	34.56 356	P	P	12 43 06.9	-1.9
HVU	Hansel Valley comp=N,1.9nm,1.0s	34.56 330	eP	P	12 43 10.4	+1.3
SAML	Samuel comp=N,8.3nm,0.9s	34.77 128	eP	P	12 43 10.9	0.0
REDW	Red Top Meadow comp=N,1.3nm,0.8s	34.90 333	eP	P	12 43 12.8	+0.7
SNOW	Snow King Moun comp=N,19nm,0.6s	34.94 334	eP	P	12 43 13.7	+1.2
LOHW	Long Hollow comp=N,5.4nm,0.8s	35.00 334	eP	P	12 43 14.4	+1.4
TPAW	Teton Pass comp=N,5.0nm,0.7s	35.05 333	eP	P	12 43 13.9	+0.4
PAGB	Antelope Grade comp=N,28nm,1.0s	35.08 315	eP	P	12 43 16.0	+2.5
MOOW	Moose Ponds comp=N,4.7nm,1.1s	35.17 334	eP	P	12 43 15.3	+0.9
FXWY	Fox Creek comp=N,2.2nm,0.9s	35.20 334	eP	P	12 43 16.6	+1.9
NV11	Mina Array St comp=N,1.4nm,0.8s	35.26 321	eP	P	12 43 17.9	+2.7
OMMB	Old Mammoth Mi comp=N,7.8nm,0.9s	35.30 319	eP	P	12 43 18.7	+3.0
NV01	Mina Array St comp=N,1.4nm,0.8s	35.35 320	eP	P	12 43 18.4	+2.3
NV01	Mina Array St comp=N,1.4nm,0.8s	35.35 320	eP	P	12 45 48.1	+2.0
NVAR	comp=N,2.3nm,0.6s	35.36 124	eP	P	12 43 18.7	+2.7
NVAR	comp=N,2.3nm,0.6s	35.36 124	eP	P	12 45 48.1	+2.0
NVAR	comp=N,2.3nm,0.6s	35.36 124	eP	P	12 49 33.9	+3.4
NVAR	comp=N,2.3nm,0.6s	35.36 124	eP	P	12 59 36.3	
MDPB	Devils Postpil comp=N,5.31nm,20.1s	35.36 319	eP	P	12 43 18.3	+2.1
IMW	Indian Meadow comp=N,2.5nm,0.6s	35.37 334	eP	P	12 43 18.0	+1.8
MDND	Maddock comp=N,2.5nm,0.6s	35.43 349	eP	P	12 43 16.0	-0.3
MDND	Maddock baz=164	35.43 349	P	P	12 43 16.1	-0.3
RYN	Ryan comp=N,11nm,1.0s	35.61 320	eP	P	12 43 20.0	+1.8
KVN	Kaiserville comp=N,13nm,0.9s	35.61 321	eP	P	12 43 20.5	+2.3
RLMT	Red Lodge baz=147	35.70 337	P	P	12 43 19.4	+0.4
A33A	Waad comp=N,17s,SNR=18	35.91 354	P	P	12 43 18.4	-1.9
BMN	Battle Mountai comp=N,8.7nm,0.8s	35.98 324	eP	P	12 43 23.4	+2.0
YMR	Madison River comp=N,5.6nm,1.1s	36.00 335	eP	P	12 43 22.8	+1.2
WAKR	Walker comp=N,6.8nm,0.9s	36.10 320	eP	P	12 43 24.6	+2.1
YERR	Yerington comp=N,12nm,0.8s	36.27 320	eP	P	12 43 25.7	+1.8
CMB	Columbia Colle comp=N,8.7nm,0.9s	36.44 318	eP	P	12 43 26.8	+1.6
PNTR	Pine Nut comp=N,16nm,0.8s	36.55 320	eP	P	12 43 28.1	+1.8
LPAZ	La Paz comp=N,1.7nm,0.8s	36.57 143	P	P	12 43 27.4	+0.3
LPAZ	La Paz comp=N,1.7nm,0.8s	36.57 143	P	P	12 58 27.7	
HLID	Halley comp=N,326nm,21.8s	36.70 330	eP	P	12 43 28.5	+1.0
HLID	Halley comp=N,2.6nm,0.8s	36.70 330	P	P	12 43 29.1	+1.6
VCNR	Virginia City comp=N,12nm,0.8s	36.71 320	eP	P	12 43 28.8	+1.1
PAHR	Pah Rah Range comp=N,11nm,1.1s	36.80 321	eP	P	12 43 31.1	+2.8
RUBR	Rubicon Trill comp=N,10nm,0.9s	36.88 320	eP	P	12 43 31.5	+2.4
MCMT	McKenzie Canyo comp=N,13nm,0.8s	36.94 333	eP	P	12 43 31.6	+1.9
BOZ	Bozeman (W) comp=N,1.6nm,0.8s	37.03 335	eP	P	12 43 31.0	+0.7
ULM	Lac du Bonnet comp=N,1.8nm,0.8s	37.25 354	P	P	12 43 30.1	-1.7
ULM	Lac du Bonnet comp=N,1.8nm,0.8s	37.25 354	P	P	13 01 55.2	
ULM	Lac du Bonnet comp=N,1.8nm,0.8s	37.25 354	P	P	12 43 29.9	-2.0
DLMT	Dillon comp=N,22nm,0.8s	37.25 334	eP	P	12 43 33.5	+1.4
MFID	Camas Rang comp=N,3.4nm,0.8s	37.29 329	eP	P	12 43 34.1	+1.7
BEKR	Beekworth comp=N,3.2nm,0.8s	37.49 321	eP	P	12 43 36.2	+1.9
LRM	Limekiln Ridge comp=N,1.0nm,1.0s	37.55 334	eP	P	12 43 35.2	+0.4
ORV	Oroville comp=N,1.0nm,1.0s	38.02 319	eP	P	12 43 40.2	+1.7
MNMC	Minye Myny comp=N,12nm,1.0s	38.04 147	eP	P	12 43 41.3	+2.2
WVOR	Wild Horse Val comp=N,7.1nm,0.8s	38.10 325	eP	P	12 43 41.5	+2.2
EGMT	Eagleton comp=N,9.9nm,1.1s	38.33 339	eP	P	12 43 42.5	+1.3
EGMT	Eagleton baz=148	38.33 339	P	P	12 43 41.6	+0.5
J08A	Circle Bar Ran comp=N,13nm,0.8s	38.63 327	eP	P	12 43 45.2	+1.4
O03D	Paynes Creek baz=125,SNR=7.0	38.64 320	eP	P	12 43 43.1	-0.7
MOD	Modoc Plateau comp=N,5.5nm,0.8s	38.70 323	eP	P	12 43 45.1	+0.6

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like GYA, USP, MNAS, MK01, etc.

Table with columns: PRGR, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like PRGR Permogore, MJAR Matsushiro Arr, BRTR Keskin Arr, etc.

Table with columns: ILAR, RIDG, TORD, SCRK, SCM, KOWA, YKA, TXAR. Includes station names and coordinates.

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

ISCBJ 09 13:50:28.6:0.9, 43.17N:0.06:145.79E:0.06, h45km, 10km, Error ellipse: s-maj=10.2km s-min=5.2km az=150.1

JMA 09 13:50:28.7:0.1, 43.15N:145.78E, h47km, 1km, M2.5 SKHL 09 13:50:29.1:0.1, 43.16N:145.74E, h42km, 2km, mb3.8/5

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like NEM2, GOLVINO, GRPR, etc.

ISCBJ 09 13:55:25.9:0.4, 28.49N:0.05:86.77E:0.05, h34km, mb3.9/3, MS4.1/1, Error ellipse: s-maj=8.0km s-min=4.7km az=30.0

NDI 09 13:55:28.5:2.8, 28.52N:86.82E, h24km, 18km, ML3.7 IDC 09 13:55:31.8:3.3, 28.39N:86.62E, h92km, 75km, mb3.5/9

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like GTK, DHB, DAVOX, etc.

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Table with columns: SKR, Severo-Kuril's, 2.34, 10, ePN, Pn, 14.44, 58.8, +1.5, etc. Includes stations like Severo-Kuril's, Pauzhetka, Khodutka, Kamc, etc.

Table with columns: RTLL, Cerro Villicun, 39.10, 299, eP, P, 15.10, 20.2, +1.0, etc. Includes stations like Cerro Villicun, Mogna, Cuesta del Vie, etc.

Table with columns: OTAV, Otavalo, 71.40, 306, eP, P, 15.14, 12.6, +1.8, etc. Includes stations like Otavalo, Chingaza, Chingaza, etc.

NEIC 09 15:03:05.0.1, 59.765x27.99W, mb5.4/8.2, Error ellipse: s-maj=5.4km s-min=4.3km az=54.0, etc.

IPBC Station P 46.79 302 eP P 15 11 22.0 +1.1, etc. Includes stations like IPOC Station P, Boshof, etc.

OTAV Otavalo 71.40 306 eP P 15 14 12.6 +1.8, etc. Includes stations like Otavalo, Chingaza, Chingaza, etc.

Table with columns: CODE, Station Name, 7.18, 317, Op, ID, H, m, s, Res, etc. Includes stations like Neumayer-Stat, East Falkland, etc.

Table with columns: RCRB, Riachuelo, 54.20, 350, eP, P, 15.12, 16.3, -0.3, etc. Includes stations like Riachuelo, Ascension Hydr5, etc.

Table with columns: TORO, Torodi Ar. Sit, 76.61, 30, P, P, 15.14, 40.1, -0.5, etc. Includes stations like Torodi Ar. Sit, Zaragoza, etc.

Table with columns: TAM, Name, Time, Date, Status, Location, and other details. Includes entries like Tamarrasset, Papeete, Arta Tunnel, etc.

Table with columns: UTHA, HWUT, BW06, etc. Includes entries like Uthaitani, Hardwre Ranch, Boulder Array, etc.

Table with columns: FINES, G08A, K02D, etc. Includes entries like Wood Farm, Pilot Rock, Willemette Me, etc.

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like KURK, LZH, GTA, and many others.

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like SKT, BPAW, PPLA, and many others.

Table with columns for station name, frequency, power, and various technical parameters. Includes stations like J01D, L04D, O03D, and many others.

NLWA	Neilton Lookou	6.67	7	ePn	Pn	15 26 04.2 +0.3
NLWA	Vestal, Richgr	6.78	18	eSn	Pn	15 27 11.5 -8.0
D05A	Enumclaw	6.78	18	ePn	Pn	15 26 07.7 +2.2
VES	Vestal, Richgr	6.82	134	P	Pn	15 26 06.4 +0.3
D03D	Eldon	6.90	11	P	Pn	15 26 07.5 +0.4
D03D	Eldon	6.90	11	P	Sn	15 27 20.4 -4.9
HAWA	Hanford	6.90	34	ePn	Pn	15 26 08.1 +0.9
E07A	Sunnyside	6.91	32	ePn	Pn	15 26 07.5 +0.3
GNW	Green Mountain	6.97	13	ePn	Pn	15 26 09.0 +0.9
BMO	Blue Mountains	7.01	52	ePn	Pn	15 26 10.3 +1.5
E08A	Dider Farm, El	7.10	35	ePn	Pn	15 26 12.1 +1.1
PKM	Mpherson Peak	7.21	143	S	Sn	15 27 30.2 -2.8
LTY	Liberty	7.21	25	ePn	Pn	15 26 13.1 +1.7
ISA	Isabella, Lake	7.29	132	ePn	Pn	15 26 13.5 +1.0
ISA	Isabella, Lake	7.29	132	P	Pn	15 26 13.9 +1.4
MFID	Camas Ranch	7.37	66	ePn	Pn	15 26 14.0 +0.4
BLN	Blyn Mountain	7.38	11	ePn	Pn	15 26 15.4 +1.6
DAC	Darwin (Calif)	7.39	125	ePn	Pn	15 26 15.6 +1.5
HTW	Haystack Looko	7.41	18	ePn	Pn	15 26 15.9 +1.7
ARVC	Arvin	7.50	137	P	Pn	15 26 15.7 +0.3
E09A	Wood Farm, Sta	7.52	39	ePn	Pn	15 26 17.9 +0.9
D08A	Wollman Farm	7.69	33	ePn	Pn	15 26 18.8 +0.9
F10A	Beach Ranch, E	7.72	208	ePn	Pn	15 26 20.8 +2.3
R11A	Troy Canyon, C	7.73	105	P	Pn	15 26 19.4 +0.7
R11A	Troy Canyon, C	7.73	105	P	Pn	15 26 19.2 +0.5
B05A	Bryant	7.78	15	P	Pn	15 26 18.8 -0.4
B05A	Bryant	7.78	15	P	Sn	15 27 43.0 -3.7
LRMC	Laurel Mtn Rad	7.87	130	P	Pn	15 26 20.8 +0.2
TPNV	Topnotch Spring	7.88	116	ePn	Pn	15 26 22.6 +1.8
OSI	Osito Audit: C	7.95	139	ePn	Pn	15 26 21.8 +0.1
PGC	Sidney	7.95	8	ePn	Pn	15 26 22.2 +0.7
EDW2	Edwards Air Fo	8.13	134	P	Pn	15 26 24.8 +0.8
HLID	Halley	8.39	67	ePn	Pn	15 26 30.0 +2.2
HLID	Halley	8.39	67	ePn	Pn	15 26 30.1 +2.3
GSC	Goldstone, Bar	8.51	127	ePn	Pn	15 26 31.1 +1.7
GSC	Goldstone, Bar	8.51	127	P	Pn	15 26 30.8 +1.5
C09A	Christman Ranch	8.55	33	ePn	Pn	15 26 30.0 +0.3
PASC	Pasadena Art C	8.57	138	ePn	Pn	15 26 32.8 +2.7
MWC	Mount Wilson	8.60	137	ePn	Pn	15 26 30.1 -0.5
B08A	Colville Reser	8.61	26	ePn	Pn	15 26 31.5 +0.9
BFSC	Mount Baldy Ra	8.79	136	P	Pn	15 26 33.4 +0.1
SHPR	Sheep Range	8.86	116	ePn	Pn	15 26 34.2 +0.1
PSUT	Pine Spring	8.94	101	ePn	Pn	15 26 36.6 +1.2
HEC	Hector, Ludlow	9.12	128	P	Pn	15 26 39.0 +1.3
BGU	Big Grassy Mou	9.13	85	ePn	Pn	15 26 40.0 +2.1
HUV	Hansel Valley	9.32	80	ePn	Pn	15 26 43.5 +3.0
DUG	Dugway, Tooele	9.37	90	ePn	Pn	15 26 43.5 +2.4
DUG	Dugway, Tooele	9.37	90	P	Pn	15 26 42.8 +1.7
NEW	Newport	9.39	35	Pn	Pn	15 26 41.1 -0.2
NEW	Newport	9.39	35	Pn	LR	15 30 35.1
NEW	Newport	9.39	35	Pn	Pn	15 26 44.3 +3.0
NEW	Newport	9.39	35	Pn	Pn	15 26 44.3 +2.1
GMRC	Granite Mounta	9.56	126	P	Pn	15 26 44.4 +0.7
SPUT	South Promonto	9.56	83	ePn	Pn	15 26 45.0 +1.2
CCUT	Cedar City	9.65	106	ePn	Pn	15 26 45.6 +0.5
SZCU	Shurtz Canyon	9.84	105	ePn	Pn	15 26 49.4 +1.8
MCMT	McKenzie Canyo	9.86	62	ePn	Pn	15 26 49.8 +2.0
BFLC	Belle Mtn. Jos	9.89	130	P	Pn	15 26 48.5 +0.1
PFO	Pinyon Flats O	9.92	133	ePn	Pn	15 26 48.6 0.0
PFO	Pinyon Flats O	9.92	133	P	Pn	15 26 49.1 +0.4
XPFO	Pineon Flat	9.92	133	ePn	Pn	15 26 48.5 -0.2
FRD	Ford Ranch, An	9.93	134	P	Pn	15 26 48.9 +0.1
NLU	North Lily Min	9.96	91	ePn	Pn	15 26 51.7 +2.4
LCMT	Little Creek M	9.96	108	ePn	Pn	15 26 52.0 +2.7
TCRU	Three Creeks R	9.97	98	ePn	Pn	15 26 50.8 +1.2
CPE	Camp Elliot	10.14	138	ePn	Pn	15 26 52.1 +0.6
MSU	Marysville	10.21	99	ePn	Pn	15 26 55.2 +2.5
DLMT	Dillon	10.21	59	ePn	Pn	15 26 54.8 +2.1
HWUT	Hardware Ranch	10.22	81	ePn	Pn	15 26 55.5 +2.6
MPU	Maple Canyon	10.29	90	ePn	Pn	15 26 54.5 +0.7
IRM	Iron Mountain	10.29	127	P	Pn	15 26 54.4 +0.7
TCUT	Toone Canyon	10.35	84	ePn	Pn	15 26 58.2 +3.5
JLU	Jordanelle	10.36	87	ePn	Pn	15 26 57.1 +2.4
JTMT	Jette	10.41	44	ePn	Pn	15 26 56.3 +1.0
BC3	Big Chuckawall	10.46	130	P	Pn	15 26 56.1 0.0
PKCU	Pink Cliffs	10.47	104	ePn	Pn	15 26 56.7 +0.3
LRM	Limekiln Ridge	10.49	57	ePn	Pn	15 26 58.0 +1.5
W13A	Hualapai Mount	10.50	119	ePn	Pn	15 26 56.6 -0.1
BAH	Barrett	10.52	138	ePn	Pn	15 26 59.2 +1.4
AHD	Auburn Hatcher	10.57	75	ePn	Pn	15 27 01.1 +0.6
TMUT	Trail Mountain	10.74	93	ePn	Pn	15 27 03.9 +3.8
FXWY	Fox Creek	10.81	70	ePn	Pn	15 27 04.0 +3.0
QLMT	Earthquake Lak	10.81	64	ePn	Pn	15 27 02.3 +1.3
TPAW	Teton Pass	10.84	71	ePn	Pn	15 27 02.2 +0.8
REDN	Red Top Meadow	10.87	75	ePn	Pn	15 27 04.6 +2.5
U15A	North Rim	10.91	109	ePn	Pn	15 27 02.3 -0.1
IBW	Indian Meadow	10.92	69	ePn	Pn	15 27 05.8 +3.3
BOZ	Bozeman (W)	10.93	59	ePn	Pn	15 27 03.4 +0.8
BOZ	Bozeman (W)	10.93	59	P	Pn	15 27 02.8 +0.2
Y1B2	Blythe	10.95	127	ePn	Pn	15 27 04.6 +2.0
Y1B2	Blythe	10.95	127	ePn	Pn	15 27 05.2 +2.4
SNOW	Snow King Moun	10.97	71	ePn	Pn	15 27 04.2 +1.0
MOOW	Moose Ponds	11.03	70	ePn	Pn	15 27 06.3 +2.4
P17A	Butcher Ranch,	11.06	92	ePn	Pn	15 27 07.5 +3.2
YMR	Madison River	11.09	75	ePn	Pn	15 27 05.8 +0.8
YPP	Pitchstone Pla	11.10	67	ePn	Pn	15 27 07.5 +2.6
LOHW	Long Hollow	11.11	70	ePn	Pn	15 27 07.6 +2.6
YFT	Old Faithful	11.12	66	ePn	Pn	15 27 08.8 +3.6
FLWY	Flagg Ranch	11.13	68	ePn	Pn	15 27 08.8 +3.5
GLA	Glamis	11.28	130	ePn	Pn	15 27 07.2 +0.3
GLA	Glamis	11.28	130	P	Pn	15 27 06.9 0.0
HRY	Holter Researc	11.26	54	ePn	Pn	15 27 08.6 +1.6
H71A	Grant Village	11.29	67	ePn	Pn	15 27 11.2 +3.7
SRU	San Rafael Swe	11.30	94	ePn	Pn	15 27 11.4 +3.8
P18A	Preston Nutter	11.41	91	ePn	Pn	15 27 13.1 +4.0
WALA	Waterton Lakes	11.44	40	ePn	Pn	15 27 11.4 +2.0
LKWY	Lake	11.45	66	ePn	Pn	15 27 10.2 +0.5
BBB	Bella Bella	11.60	351	LR	LR	15 30 42.6
BW06	Boulder Array	11.75	75	ePn	Pn	15 27 16.0 +2.1
BW06	Boulder Array	11.76	75	P	Pn	15 27 15.2 +1.2
PD31	Pinedale Array	11.76	75	ePn	Pn	15 27 16.0 +2.1
PDAR	Pinedale Array	11.76	75	Pn	Pn	15 27 16.2 +2.3
PDAR	Pinedale Array	11.76	75	Pn	LR	15 32 08.1
PDAR	Pinedale Array	11.76	75	ePn	Pn	15 27 15.5 +1.5
Y14A	Wickenburg	11.78	122	ePn	Pn	15 27 15.2 +1.1
W14Z	Wupaki	12.00	112	ePn	Pn	15 27 16.1 +0.2
GCMT	Greycliff	12.29	61	ePn	Pn	15 27 20.2 -0.9
RLMT	Red Lodge	12.37	64	ePn	Pn	15 27 22.6 +0.4
PV09	Paradox Valley	12.50	95	ePn	Pn	15 27 28.4 +4.2
PV21	Cone Mtn., Par	12.61	95	ePn	Pn	15 27 28.8 +0.2
PV10	Paradox Valley	12.61	95	ePn	Pn	15 27 28.3 +2.7
PV23	Carpenter Ridg	12.61	95	ePn	Pn	15 27 24.8 +0.8
PV14	Lion Creek, Pa	12.62	96	ePn	Pn	15 27 28.2 +2.7
PV19	Morning Glory	12.67	96	ePn	Pn	15 27 28.9 +2.5
PV20	West Nyswonger	12.67	96	ePn	Pn	15 27 27.9 +1.6
PV17	East Wray Mesa	12.70	96	ePn	Pn	15 27 27.6 +0.9
PV16	Nyswonger Mesa	12.75	96	ePn	Pn	15 27 28.8 +1.5
PV18	Skein Mesa, Pa	12.74	96	ePn	Pn	15 27 30.3 +3.0
PV11	David Mesa, Pa	12.76	96	ePn	Pn	15 27 28.7 +1.1
PV22	Blue Mesa, Par	12.76	96	ePn	Pn	15 27 30.2 +2.7
PV03	Paradox Valley	12.79	96	ePn	Pn	15 27 31.2 +3.2

PV12	Saucer Basin,	12.80	96	ePn	Pn	15 27 30.5 +2.3
PV13	Radium Mtn., P	12.84	97	ePn	Pn	15 27 32.3 +3.6
O20A	White River Ci	12.85	87	ePn	Pn	15 27 31.5 +2.7
PV02	Paradox Valley	12.88	96	ePn	Pn	15 27 31.7 +2.4
PV01	Paradox Valley	13.00	96	ePn	Pn	15 27 34.9 +3.6
PV15	Paradox Valley	13.04	95	ePn	Pn	15 27 31.9 +0.4
EGMT	Eagleton	13.12	51	ePn	Pn	15 27 32.4 +0.1
EGMT	Eagleton	13.12	51	P	Pn	15 27 31.9 -0.4
MVCO	Mesa Verde	13.38	100	ePn	Pn	15 27 39.4 +3.3
RWV	Radium Mtn	13.48	80	ePn	Pn	15 27 35.0 -2.4
X18A	Snowflake	13.51	113	ePn	Pn	15 27 39.5 +1.7
SMCO	Snowmass	13.98	91	ePn	Pn	15 27 44.5 +0.1
K22A	Casper	13.99	76	ePn	Pn	15 27 44.7 +0.4
K22A	Casper	13.99	76	P	Pn	15 27 43.9 -0.4
TUC	Tucson	14.25	122	ePn	Pn	15 27 49.3 +1.5
S22A	4UR Ranch, Cre	14.46	96	ePn	Pn	15 27 52.1 +1.2
N23A	Red Feather La	14.49	83	ePn	Pn	15 27 51.1 -0.2
N23A	Red Feather La	14.49	83	P	Pn	15 27 50.5 -0.8
PHWY	Pilot Hill	14.82	82	ePn	Pn	15 27 55.0 -0.7
LAO	LASA Array	14.84	60	ePn	Pn	15 27 54.6 -1.2
ISCO	Idaho Springs	14.89	87	ePn	Pn	15 27 57.4 +0.6
ISCO	Idaho Springs	14.89	87	P	Pn	15 27 56.3 -0.5
Q24A	Divide	15.41	90	ePn	Pn	15 28 03.9 +0.2
Q24A	Divide	15.41	90	P	Pn	15 28 03.4 -0.2
SDCO	Great Sand Dun	15.46	95	ePn	Pn	15 28 06.1 +1.7
SDCO	Great Sand Dun	15.46	95	P	Pn	15 28 04.6 +0.3
LAZ	Ladron	15.57	108	ePn	Pn	15 28 06.9 +1.3
LENN	Ladron	15.81	109	ePn	Pn	15 28 07.5 +1.2
TASM	ASL Pad, Albuq	15.81	106	P	Pn	15 28 08.9 +0.2
ANMO	Albuquerque	15.81	106	Pn	Pn	15 28 10.7 +1.9
ANMO	Albuquerque	15.81	106	LR	LR	15 35 00.2
ANMO	Albuquerque	15.81	106	Pn	Pn	15 28 09.5 +0.7
ANMO	Albuquerque	15.81	106	Pn	Pn	15 28 08.1 -0.7
TASL	Snake Pit, Alb	15.81	106	P	Pn	15 28 08.1 -0.7
RSSD	Black Hills	15.88	71	ePn	Pn	15 28 07.0 -2.7
RSSD	Black Hills	15.88	71	P	Pn	15 28 07.7 -2.0
BNM	Barren Site	16.06	108	ePn	Pn	15 28 13.1 +1.1
121A	Cookes Peak, D	16.12	115	P	Pn	15 28 14.3 +1.6
T25A	Trinidad	16.48	96	ePn	Pn	15 28 18.7 +1.4
T25A	Trinidad	16.48	96	P	Pn	15 28 18.1 +0.8
DGMT	Dagmar	16.70	56	ePn	Pn	15 28 18.3 -1.6
DGMT	Dagmar	16.70	56	P	Pn	15 28 18.6 -1.3
KSCO	Kaye Shedlock'	17.32	89	ePn	Pn	15 28 29.0 -0.2
KSCO	Kaye Shedlock'	17.32	89	P	Pn	15 28 27.7 -0.1
OGNE	Ogallala	17.43	82	ePn	Pn	15 28 28.5 -0.6
OGNE	Ogallala	17.43	82	P	Pn	15 28 28.4 -0.7
MNTX	Cornudas Mount	18.26	114	ePn	Pn	15 28 41.2 +1

9d 15h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like Q41A Truxton, R41A Rosebud, J41A Loganville, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like U50A Jamestown, V50A Pikeville, W50A Signal Mountai, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like CRVS Cervencia-Dubn, AKASG Malin Array Be, KURBK Kurchatov, etc.

GUC 09 15:32:48.9,0.6,21.795,67.70W,h218km,11km,ML3.6, 10C-3D,Chile-Bolivia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like PB09 IPOC Station P, PB01 IPOC Station P, etc.

IDC 09 15:49:52.1,2.4,23.105,176.31W,h0km,mb4.2/3, mb1 4.5/4, mb1mx3.8/46, mb1mp4.3/4, ML4.4/1, Error ellipse: s-maj=15.7km s-min=27.8km az=142.0

ISCJB 09 15:49:58.4,0.6,22.805,0.06:176.5W,0.1,h50km, mb4.8/12, Error ellipse: s-maj=15.6km s-min=8.0km az=17.5

NEIC 09 15:49:59.4,1.1,22.795,176.53W,h43km,11km,mb4.8/9, Error ellipse: s-maj=15.3km s-min=8.1km az=128.0

ISC 09 15:50:01.7,5.0,22.85,0.2:176.6W,0.2,h61km,45km,n26, +068/30,mb4.7/12,1C, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like RAO Raoul Island, AFI Afiamalu, THZ Tophouse, etc.

ISCJB 09 15:52:50.8,1.7,60.41N,0.05:28.5E,0.2,h0km, Error ellipse: s-maj=13.7km s-min=7.1km az=4.7

HEL 09 15:52:51.9,0.1,60.38N,28.56E,h0km,ML1.2,Explosion

IDC 09 15:52:52.5,5.5,60.56N,28.82E,h0km, Error ellipse: s-maj=38.2km s-min=30.3km az=35.0

ISC 09 15:52:49.2,2.5,60.37N,0.06:28.6E,0.1,h0km,n10, +047/10, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy. Includes stations like VJF Virojoki, PVF Pernaia, FIAO FINESS Array S, etc.

VSU Vasula 2.14 208 eS Sb 15 53 55.8 -0.1
SUF Sumaiene 2.64 334 eS Sn 15 54 05.5 -0.2
I43RU DUBNA INFRASON 8.00 125 i P 16 29 40.0

ISCJB 09 16:18:02.3.1.1.24:05S:0:05:67:11W:0:08,h181km,
mb3.2/1, Error ellipse: s-maj=10.3km s-min=7.3km az=2.4
GUC 09 16:18:03.4.0.6.23:92S:67:74W,h246km,11km,ML4.1
ISC 09 16:18:00.0.0.9.24:06S:0:06:66:92W:0:08,h181km,n20,
a156/28,9C-1D,Salta Province

DYR S Sb 16 30 43.4 +0.4
DYL AML AML 16 30 54.6
DYL comp=N,217um,0.4s AML AML 16 30 54.9

ISCJB 09 16:14:40.5.0.5.6:21S:0:07:80:68W:0:09,h33km,
mb4.4/19,MS3.9/9, Error ellipse: s-maj=14.3km
s-min=6.1km az=145.1
NEIC 09 16:14:40.1.0.1.0.6:25S:80:65W,h50km,11km,mb4.4/17,
Error ellipse: s-maj=13.4km s-min=6.9km az=53.0
IDC 09 16:14:46.5.3.6.6:37S:80:69W,h89km,34km,mb3.7/7,
mb1.4/0.9,mb1mx3.3/4.4,mbmtmp3.4/2.9,MS3.7/12,
MS1 3.7/12,ms1mx3.3/4.4, Error ellipse: s-maj=38.9km
s-min=20.4km az=40.0

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB15 IPOC Station P 2.49 289 I/P Op Pn 16 18 45.1 +2.2
PB16 IPOC Station P 2.78 298 I/P Op Pn 16 18 48.3 +1.9
PB06 IPOC Station P 16 19 22.2 -0.1

VLX Vlachokeraia, Ach 1.82 80 P Pn 16 30 20.6 -0.5
KLV Kalavryta, Ach 1.88 59 P Pn 16 30 20.9 +1.3
PVO PVO Pn 16 30 23.1 +0.9
PVO PVO S Sb 16 30 44.4 -1.2
PVO PVO AML AML 16 30 58.2

ISC 09 16:14:41.9.0.6.6:29S:0:09:80:70W:0:11,h35km,n52,
a154/38,mb4.3/19,MS4.0/9,Near coast of northern
Peru
Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB05 IPOC Station P 3.25 291 I/P Op Pn 16 18 53.3 +1.4
PB05 IPOC Station P 16 19 30.0 +2.3
PB05 IPOC Station P 16 19 32.3

KRND KRANDI 2.44 82 P Pn 16 30 27.7 +0.5
KYTH KYTH 2.49 108 P Pn 16 30 31.5 -0.8
DID DID 2.52 79 P Pn 16 30 31.1 +1.8
DID DID S Sn 16 30 59.0 +0.2

NNA Nana 6.82 146 P Op Pn 16 16 23.5 +3.8
NNA 3.1nm,0.3s,baz=327,slow=7.2,SNR=5.4
NNA S Sn 16 17 55.3 +1.9
NNA LR LR 16 18 49.6

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB03 IPOC Station P 3.29 307 I/P Op Pn 16 18 53.8 +1.3
PB03 IPOC Station P 16 19 32.4 -0.9
PB03 IPOC Station P 16 19 34.3

THL THL 2.89 30 P Pn 16 30 35.8 +2.3
THL THL S Sn 16 31 07.4 -0.5
THL THL AML AML 16 31 08.1
THL THL AML AML 16 31 08.6

NNA Nana 6.82 146 ePn Pn 16 16 22.2 +2.6
OTAV Otavalo 6.86 19 ePn Pn 16 16 22.3 +1.8
PAYG Puerto Ayora 11.07 300 ePn Pn 16 17 19.4 +1.5
LPAZ La Paz 15.82 130 P Pn 16 18 26.1 -0.2

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB07 IPOC Station P 3.59 310 I/P Op Pn 16 18 57.4 +1.2
PB07 IPOC Station P 16 19 38.3 -1.7
PB07 IPOC Station P 16 19 38.8

DION Dionisos Attik 3.19 71 P Pn 16 30 37.3 -0.3
LIT LIT 3.31 51 P Pn 16 30 42.8 +0.4
SG1 SG1 6.01 325 ePn Pn 16 31 00.4 +7.7
SG1 SG1 S Sn 16 31 49.7 -0.7

JTS JuntasAbangare 17.01 346 LR LR 16 24 07.0
PB11 IPOC Station P 17.16 142 ePn Pn 16 18 39.3 -0.1
SAML Samuel 17.56 100 ePn Pn 16 18 42.9 -1.3

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB01 IPOC Station P 3.83 321 IAML Pn 16 19 45.3
PB02 IPOC Station P 3.87 314 IAML Pn 16 19 00.5 +0.8
PB02 IPOC Station P 16 19 43.7 -2.6
PB02 IPOC Station P 16 19 46.5

MAN 09 16:42:57.4.12:77N:123:17E,h16km,mb4.0,ML2.7,
MS2.3,1C,Luzon
Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC

PTGA Pitinga 21.41 76 P LR 16 28 47.2
PTGA comp=2.313nm,18.5s,baz=268,slow=38
PTGA LR LR 16 19 26.4 -0.6
PTGA Pitinga 21.41 76 ePn Pn 16 19 27.3 -0.9

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB01 IPOC Station P 3.83 321 IAML Pn 16 19 45.3
PB02 IPOC Station P 3.87 314 IAML Pn 16 19 00.5 +0.8
PB02 IPOC Station P 16 19 43.7 -2.6
PB02 IPOC Station P 16 19 46.5

RCP Roxas 1.27 199f ePn Pn 16 43 19.6 -1.0
BOAC Boac 1.42 99 eS Sb 16 43 22.2 -1.0
BOAC Boac eS Sb 16 43 40.2 +0.2
CNP Catarman 1.48 100 ePn S 16 43 23.1 -0.3
CNP Catarman eS Sn 16 43 42.7 +0.3

SIV San Ignacio 21.52 118 P Pn 16 19 27.3 -0.9
CBCY The Bluff, Cay 25.88 2 ePn Pn 16 20 10.4 -0.2
SJJ San Juan 28.18 30 ePn Pn 16 20 32.1 +0.8
MTP Monte Pirata 28.47 31 ePn Pn 16 20 35.1 +1.1

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
PB01 IPOC Station P 3.83 321 IAML Pn 16 19 45.3
PB02 IPOC Station P 3.87 314 IAML Pn 16 19 00.5 +0.8
PB02 IPOC Station P 16 19 43.7 -2.6
PB02 IPOC Station P 16 19 46.5

BJI 09 16:43:20.0.60:30N:147:50W,h6km,mb4.7/38,mb5.0/27,
Ms4.8/22,Ms7 0.9,60:42N:147:65W,h10km,mb5.1/83,
MOS 09 16:43:21.1.0.9.60:42N:147:65W,h10km,mb5.1/83,
MS4.0/5, Error ellipse: s-maj=10.2km s-min=4.4km
az=99.1
ISCJB 09 16:43:21.2.0.1.60:41N:0:02:147:56W:0:03,h10km,
mb4.8/354,MS4.0/55, Error ellipse: s-maj=2.5km
s-min=1.5km az=38.1

W50A Signal Mount 41.49 354 ePn Pn 16 22 27.4 +1.6
TXAR Lajitas Array 41.74 329 P Pn 16 22 28.4 +0.4
TKL Tuckaleehee C 41.82 356 LR LR 16 39 58.0
S39A Bolivar 45.31 346 ePn Pn 16 22 56.9 +0.4

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
ASAR Alice Springs 43.38 265 Op Pn 16 34 41.6 0.0
ASAR 0.3nm,0.8s,baz=104,slow=7.0,SNR=3.2
WRA Warramunga Arr 44.19 270 P Pn 16 34 47.6 -0.5
FINES FINES Array B 143.26 341 PKP PKPdf 16 46 12.6 0.0

NEIC 09 16:43:25.6.0.0.60:29N:0:04:147:61W:0:04,h30km,1km,
MW4.8/59,Moment Tensor Solution, s23,c25; s59,c76;
Duration: 0 Moment tensor: Scale: 1016Nm; Mr=1.53; 17;
Ms=0.13; 12; Ms=1.66; 10; Ms=0.79; 17; Ms=0.92; 07;
Ms=0.90; 12; Best double couple: M2 14800-1160;
NP1=173.00000; s61.00000; A-124.00000; NP2:
s=173.00000; s64.00000; A-45.00000; Principal axes: T
2.0670,Plg10.0000; Azm287.0000; N 0.1580,
Plg29.0000; Azm191.0000; P -2.2290,Plg59.0000;
Azm34.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function
IDC 09 16:43:26.4.1.9.60:41N:147:56W,h33km,14km,mb4.4/45,
mb1 4.5/50,mb1mx4.5/79,mbtmp4.6/50,ML4.4/5,MS3.9/46,
Ms1 3.9/46,ms1mx3.7/77 Error ellipse: s-maj=9.0km
s-min=7.8km az=13.0

ISK 09 16:15:01.6.37:67N:42:67E,h7km,ML2.5/4
ISCJB 09 16:15:02.0.5.0.37:64N:0:06:42:70E:0:04,h5km,8km,
Error ellipse: s-maj=10.5km s-min=5.0km az=1.2
DDA 09 16:15:02.7.37:35N:42:65E,h7km,ML2.6
ISC 09 16:15:01.1.1.6.37:63N:0:06:42:80E:0:04,h2km,12km,
n12,-0:888/17,Turkey
Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
ZKS Zakynthos 0.81 41 Op Pn 16 30 05.0 +0.8
ZKS Zakynthos Pn 16 30 15.4 -1.2
ZKS AML AML 16 30 16.1
ZKS comp=E,5732um,0.4s AML AML 16 30 21.0

GLI Glacier Island 0.60 22 ePn Op Pn 16 43 35.8 +1.3
GHO GHO eS Sn 16 43 35.9 +0.2
FID FID Pn 16 43 35.5 +0.4
FID FID eS Sn 16 43 45.0 0.0
EYAK Cordova Ski Ar 0.92 75 ePn Pn 16 43 41.1 +0.5
EYAK EYAK eS Sn 16 43 53.1 +0.5
MID Middleton Isla 1.09 145 ePn Pn 16 43 44.3 +0.6
MID MID eS Sn 16 43 44.2 +0.6
DIV Divide 1.19 47 ePn Pn 16 43 45.3 -0.5
DIV DIV eS Sn 16 44 00.4 -0.8
RCO1 Rabbit Creek A 1.32 306 ePn Pn 16 43 47.6 -0.6
RCO1 RCO1 eS Sn 16 44 05.2 -1.1
RCO1 RCO1 eS Sn 16 44 05.8 +0.2
SCM Sheep Creek Mo 1.52 4 ePn Pn 16 43 50.9 +0.9
SCM Sheep Creek Mo eS Sn 16 44 10.9 +0.9
SML Sawmill 1.54 346 ePn Pn 16 43 51.1 +0.9
SML SML eS Sn 16 44 10.5 +0.3
SML SML e 16 44 10.5

ISC 09 16:15:02.9.0.6.60:33N:0:03:147:55W:0:02,h11km,3km,
n132,+c14/1165,mb4.9/362,MS3.9/56,24C-12D,
Southern Alaska
Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC

Code Station Name A° AZ° Phase ID Time Res
ISC h m s ISC
RIS Riols of Patr 1.45 47 P Pn 16 30 14.5 +1.0
ITM Ithomi 1.45 86 S Sn 16 30 14.5 +0.9
ITM Ithomi S Sn 16 30 32.4 +0.1
ITM Ithomi AML AML 16 30 45.0

GLI Glacier Island 0.60 22 ePn Op Pn 16 43 35.8 +1.3
GHO GHO eS Sn 16 43 35.9 +0.2
FID FID Pn 16 43 35.5 +0.4
FID FID eS Sn 16 43 45.0 0.0
EYAK Cordova Ski Ar 0.92 75 ePn Pn 16 43 41.1 +0.5
EYAK EYAK eS Sn 16 43 53.1 +0.5
MID Middleton Isla 1.09 145 ePn Pn 16 43 44.3 +0.6
MID MID eS Sn 16 43 44.2 +0.6
DIV Divide 1.19 47 ePn Pn 16 43 45.3 -0.5
DIV DIV eS Sn 16 44 00.4 -0.8
RCO1 Rabbit Creek A 1.32 306 ePn Pn 16 43 47.6 -0.6
RCO1 RCO1 eS Sn 16 44 05.2 -1.1
RCO1 RCO1 eS Sn 16 44 05.8 +0.2
SCM Sheep Creek Mo 1.52 4 ePn Pn 16 43 50.9 +0.9
SCM Sheep Creek Mo eS Sn 16 44 10.9 +0.9
SML Sawmill 1.54 346 ePn Pn 16 43 51.1 +0.9
SML SML eS Sn 16 44 10.5 +0.3
SML SML e 16 44 10.5
BMRM Bremner River 1.59 65 ePn Pn 16 43 51.0 0.0
BMRM BMRM eS Sn 16 44 12.3 +0.7
GHO GHO eS Sn 16 43 35.9 +0.2
BRK Bradley Lake 1.76 236 ePn Pn 16 43 54.1 +0.8
SUA Susitna One 1.93 208 ePn Pn 16 43 56.0 +0.2
CNPM China Poot 2.02 248 ePn Pn 16 43 57.5 +0.6
CNPM CNPM eS Sn 16 44 28.7 +4.0
HNM Homer 2.15 254 ePn Pn 16 43 58.9 +1.0
SPU Mount Spurr 2.37 283 ePn Pn 16 44 01.9 +0.2
TGL Tana Glacier 2.37 77 ePn Pn 16 44 01.8 +0.1
HARP HAARP 2.39 28 ePn Pn 16 44 03.6 +1.7
SKY Skwentna 2.54 312 ePn Pn 16 44 04.0 -0.1
DHT Denali Highway 2.76 2 ePn Pn 16 44 08.4 +1.2
DHY DHY eS Sn 16 44 09.3 +0.6
PAX Paxson 2.83 20 ePn Pn 16 44 09.2 +1.1
PAX Paxson eS Sn 16 44 09.2 +1.1
PAX Paxson e 16 44 46.0
RND Reindeer 3.15 349 ePn Pn 16 44 13.5 +1.0
RND RND eS Sn 16 44 13.5 +1.0
RND Reindeer 3.15 349 ePn Pn 16 44 13.5 +1.0
RND RND e 16 44 53.7
TRF Thorofare Moun 3.39 339 ePn Pn 16 44 16.8 +1.0
PPLA Purkeypile 3.40 321 ePn Pn 16 44 15.6 -0.4
PPLA Purkeypile 3.48 359 ePn Pn 16 44 18.4 +1.5
MCK McKinley 3.48 359 ePn Pn 16 44 18.4 +1.5
KDAK Kodiak Island 3.64 228 Pn Pn 16 44 19.6 +0.5
KDAK 27nm,0.3s,baz=58,slow=8.8,SNR=1010
KDAK S Sn 16 44 59.3 -2.6
KDAK 49nm,0.3s,baz=131,slow=5.4,SNR=5.7
KDAK Lg Lg 16 45 24.0 -0.2

9d 16h

Table with columns for station ID, name, frequency, and other details. Includes stations like KDAK Kodiak Island, KDKA Kodiak Island, RIDG Independent R, etc.

2012 AUG

Table with columns for station ID, name, frequency, and other details. Includes stations like K02D Willamette Mer, JMTM Jette, J04D Limbu, etc.

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Table with columns for station ID, name, frequency, and other details. Includes stations like PDAR Pinedale Array, PDAR comp=Z,7.0nm,0.6s, etc.

comp=Z,11nm,0.6s	32.70 115	eP	P	16 49 56.1 +0.9
PV19 Morning Glory	32.73 115	eP	P	16 49 56.7 +1.3
comp=Z,7.7nm,0.7s	32.73 115	eP	P	16 49 57.0 +1.4
PV16 Nyswonger Mesa	32.76 115	eP	P	16 49 56.9 +1.2
comp=Z,14nm,0.7s	32.76 115	eP	P	16 49 56.0 +0.6
PV17 East Wray Mesa	32.76 97	P	P	16 49 57.3 +1.4
comp=Z,15nm,1.0s	32.77 115	eP	P	16 49 57.4 +1.4
PV11 David Mesa, Pa	32.78 115	eP	P	16 49 57.4 +1.8
comp=Z,15nm,1.0s	32.79 126	eP	P	16 49 57.1 +1.0
SUSD Miller	32.80 115	eP	P	16 49 57.2 +1.0
comp=Z,15nm,1.0s	32.81 121	eP	P	16 50 01.7 +0.8
baz=317	32.81 121	eP	P	16 49 58.0 +1.7
PV12 Saucer Basin,	32.82 127	eP	P	16 52 41.2 +0.1
comp=Z,8.5nm,0.8s	32.82 324	eP	P	16 52 38.7 -1.4
PV18 Skein Mesa, Pa	32.82 324	eP	P	16 49 57.8 +2.1
comp=Z,13nm,0.8s				
LDFC Landfair				
comp=Z,20nm,0.8s				
PV03 Paradox Valley				
PV03 Paradox Valley				
U15A North Rim				
comp=Z,14nm,1.0s				
U15A Tiksi				
TIXI Tiksi				
TIXI Tiksi				
comp=Z,2.0nm,0.6s				
GMRC Granite Mounta				
baz=33,SNR=7.1				
PV02 Paradox Valley				
comp=Z,12nm,1.1s				
PV13 Radium Mtn., P				
comp=Z,15nm,0.8s				
CIS Catalina Islan				
baz=334				
PV01 Paradox Valley				
ISCO Idaho Springs				
baz=323				
NEE2 Needles Airpor				
baz=331				
MURC Murrieta				
baz=333				
W13A Hualapai Mount				
comp=Z,7.5nm,0.9s				
SC12 San Clemente I				
baz=334				
BELC Belle Mtn., Jos				
baz=332,SNR=5.7				
PFO Pinyon Flats O				
comp=Z,11nm,1.0s				
PFO Pinyon Flats O				
comp=Z,11nm,1.0s				
PFO Pinyon Flats O				
baz=332				
XPFO Pison Flat				
comp=Z,10nm,0.9s				
IRM Iron Mountain				
baz=331,SNR=5.1				
FRD Ford Ranch, An				
baz=333,SNR=7.8				
D36A Goodland				
comp=Z,33nm,0.9s				
D36A Goodland				
baz=313,SNR=6.6				
C37A Embarrass				
baz=313				
MVCO Mesa Verde				
comp=Z,5.8nm,0.7s				
MVCO Mesa Verde				
baz=326				
PDMCI Parker Dam,Lak				
baz=331				
OC3E Ogallala				
baz=336				
BGNE Big Chuckawall				
baz=332				
109C Camp Elliot, M				
baz=333				
Q24A Divide				
baz=323				
WUAZ Wupatki				
comp=Z,30nm,0.9s				
WUAZ Wupatki				
baz=328,SNR=22				
EYMN Ely				
comp=Z,66nm,1.4s				
EYMN Ely				
baz=313				
D37A Cotton				
baz=313				
S22A 4UR Ranch, Cre				
comp=Z,18nm,1.6s				
S22A 4UR Ranch, Cre				
baz=325,SNR=5.2				
Y12C Blythe				
comp=Z,31nm,1.1s				
MONP2 Monument Peak				
baz=333,SNR=7.0				
C38A Sawbill Land.				
baz=313				
ECSD EROS Data Cent				
comp=Z,12nm,0.8s				
ECSD EROS Data Cent				
baz=317,SNR=13				
IKP In-Ko-Pah, Jac				
baz=333				
H35A Sunnyside Ranc				
baz=316				
GLA Glamis				
baz=332				
SDCO Great Sand Dun				
comp=Z,5.9nm,0.9s				
SDCO Great Sand Dun				
baz=32,SNR=8.9				
X16A Lo Mia Camp, P				
comp=Z,9.3nm,0.9s				
E38A The Farm, Brul				
comp=Z,33nm,0.8s				
E38A The Farm, Brul				
baz=314,SNR=5.3				
F37A Hinrichs Farm,				
baz=315				
W18A Petrified Fore				
baz=328				
KSCO Kaye Shedlock'				
baz=322				
H36A Jesseland, He				
baz=316				
F38A Pierce - Schro				
baz=315,SNR=19				
SPMN Marine on St.				
comp=Z,37nm,1.0s				
SPMN Marine on St.				
baz=315				
BGNE Belgrade				
comp=Z,120nm,0.7s				
BGNE Belgrade				
baz=320,SNR=11				
X18A Snowflake				
comp=Z,23nm,1.3s				
I36A Fitzsimmons Fa				
baz=317				
H37A Dierke Farm, C				
baz=316				
F39A Loretta				
baz=315,SNR=9.2				
T25A Trinidad				
comp=Z,14nm,1.3s				
T25A Trinidad				
baz=325				
G38A Ridgeland				
baz=316				
I37A Lemond, Waseca				
comp=Z,53nm,1.1s				
I37A Lemond, Waseca				
baz=317,SNR=6.6				
E40A Wakefield				
baz=314				
J36A Seneca 1, Swea				
comp=Z,13nm,0.9s				
J36A Seneca 1, Swea				
baz=317				
G38A Maiden Rock				
baz=316,SNR=7.0				
H39A Holcombe				
baz=315,SNR=9.8				
D41A Chassel				
baz=314				

F40A Park Falls	36.09 87	P	P	16 50 24.4 +0.1
baz=315,SNR=12				
J37A Redenius Farm,	36.26 93	P	P	16 50 26.3 +0.5
baz=317,SNR=9.7				
E41A Kent	36.29 85	P	P	16 50 25.6 -0.3
baz=314				
K36A Gilmore City	36.31 95	P	P	16 50 26.1 -0.1
baz=318				
I38A Scanlan Farm,	36.33 91	P	P	16 50 27.2 +0.8
baz=317,SNR=10				
H39A Augusta	36.39 90	P	P	16 50 27.4 +0.5
comp=Z,316,SNR=10				
214A Organ Pipe Nat	36.44 125	P	P	16 50 29.3 +1.8
COWI Conover	36.45 86	eP	P	16 50 27.2 -0.3
comp=Z,14nm,0.9s				
G40A Rib Lake	36.51 88	eP	P	16 50 28.5 +0.6
comp=Z,30nm,0.7s				
G40A Rib Lake	36.51 88	eP	P	16 50 28.3 +0.3
baz=315,SNR=12				
L36A Harm Buss Farm	36.60 96	P	P	16 50 28.6 -0.1
baz=318				
K37A Belmont	36.61 94	P	P	16 50 29.2 +0.4
baz=318,SNR=8.0				
TASM ASL Pad, Albuq	36.61 115	P	P	16 50 30.5 +1.4
baz=327				
ANMO Albuquerque	36.62 115	P	P	16 50 30.1 +1.0
comp=Z,2.1nm,0.8s,baz=346,slow=13,SNR=8.0				
ANMO Albuquerque	36.62 115	P	P	16 52 51.7 -0.3
comp=Z,2.0nm,0.7s,baz=346,slow=4.2,SNR=5.3				
ANMO Albuquerque	36.62 115	eP	P	17 06 27.2
comp=Z,164nm,18.6s,baz=316,slow=38				
ANMO Albuquerque	36.62 115	eP	P	16 50 30.6 +1.5
comp=Z,12nm,1.5s				
ANMO Albuquerque	36.62 115	eP	P	16 52 51.6 -0.3
ANMO Albuquerque	36.62 115	eP	P	16 50 30.6 +1.5
TASL Snake Pit, Alb	36.62 115	P	P	16 50 29.9 +0.7
baz=327				
CBKS Cedar Bluff	36.63 104	eP	P	16 50 30.2 +1.1
comp=Z,7nm,0.8s				
CBKS Cedar Bluff	36.63 104	eP	P	16 50 30.2 +1.1
comp=Z,17nm,0.8s				
CBKS Cedar Bluff	36.63 104	P	P	16 50 30.1 +1.1
baz=332				
F41A Three Lakes	36.73 86	eP	P	16 50 30.3 +0.6
comp=Z,43nm,1.7s				
F41A Three Lakes	36.73 86	P	P	16 50 30.3 +0.6
baz=315				
LAZ Ladron	36.77 116	eP	P	16 50 32.1 +1.7
J38A Wedel Dairy, R	36.79 92	P	P	16 50 31.1 +0.8
baz=317,SNR=10				
E42A Champion	36.83 85	P	P	16 50 31.2 +0.6
I39A Houston	36.87 91	eP	P	16 50 31.1 +0.1
comp=Z,23nm,0.8s				
I39A Houston	36.87 91	P	P	16 50 31.4 +0.4
baz=317				
H40A Chiswick	36.88 89	P	P	16 50 32.0 +0.9
baz=316,SNR=13				
TUC Tucson	36.97 123	eP	P	16 50 34.1 +2.0
comp=Z,10nm,1.0s				
TUC Tucson	36.97 123	P	P	16 50 34.3 +2.3
baz=330				
M36A Felix, Anita	37.02 96	P	P	16 50 32.3 +0.1
baz=319				
L37A Phoenix Point,	37.03 95	P	P	16 50 32.3 0.0
baz=316				
LENM Lemitar	37.04 116	eP	P	16 50 34.4 +1.7
G41A Antigo	37.06 87	P	P	16 50 33.2 +0.6
baz=316				
K38A Parsburg	37.13 93	P	P	16 50 33.9 +0.6
baz=318				
J39A Decorah	37.16 91	P	P	16 50 33.7 +0.3
baz=317,SNR=6.1				
F42A Maple Grove Fa	37.19 86	P	P	16 50 34.3 +0.6
baz=315				
BNM Barren Site	37.20 116	eP	P	16 50 35.3 +1.1
H41A Junction City	37.25 88	eP	P	16 50 34.8 +0.6
comp=Z,18nm,0.8s				
H41A Junction City	37.25 88	P	P	16 50 34.3 +0.1
baz=316				
H40A Norwalk	37.29 90	P	P	16 50 34.9 +0.4
baz=317				
E43A Lone Tree Farm	37.32 84	eP	P	16 50 35.3 +0.5
comp=Z,46nm,0.8s				
E43A Lone Tree Farm	37.32 84	P	P	16 50 35.3 +0.5
baz=315,SNR=10				
YAK Yakutsk	37.39 310	eP	P	16 50 33.7 -1.5
comp=Z,21nm,0.8s				
YAK Yakutsk	37.39 310	eP	P	16 50 40.0 -1.1
e'PP e'PP				
YAK YAK	16 51 59.8			
YAK YAK	16 52 16.7			
YAK YAK				

PAGS	Pennsylvania G	46.91	82	eP	P	16 51 52.8	-0.2	
TKL	Tuckaleechee C	46.97	92	P	P	16 51 53.6	+0.1	
TKL	TKL	17	12	52.1	LR			
TKL	Tuckaleechee C	46.97	92	eP	P	16 51 53.3	-0.2	
TKL	Tuckaleechee C	46.97	92	eP	P	16 51 53.3	-0.2	
X50B	Fort Payne	46.98	94	P	P	16 51 53.7	0.0	
U53A	Fall Branch	47.00	90	P	P	16 51 53.7	-0.1	
WVL	Waterville	47.06	73	eP	P	16 51 52.8	-1.3	
Y49A	Blount Mountain	47.09	96	eP	P	16 51 54.1	-0.4	
Y49A	Blount Mountain	47.09	96	P	P	16 51 54.4	0.0	
147A	Livingston	47.12	98	eP	P	16 51 54.7	-0.1	
147A	Livingston	47.12	98	P	P	16 51 54.9	+0.1	
246A	Jackson Lee, B	47.24	100	P	P	16 51 56.1	+0.5	
MVL	Millersville	47.27	82	eP	P	16 51 55.9	+0.1	
X51A	Calhoun	47.29	94	eP	P	16 51 56.0	0.0	
X51A	Calhoun	47.29	94	P	P	16 51 56.2	+0.1	
LUPA	Lehigh Univer	47.30	81	eP	P	16 51 56.0	+0.1	
ODNJ	Ogdensburg	47.30	80	eP	P	16 51 56.0	-0.1	
W52A	Murphy	47.34	92	eP	P	16 51 56.4	-0.1	
W52A	Murphy	47.34	92	P	P	16 51 56.5	+0.1	
345A	Thompson Farm,	47.37	101	P	P	16 51 57.7	+1.0	
Y50A	Piedmont	47.40	95	P	P	16 51 56.8	0.0	
BLA	Blacksburg	47.41	88	eP	P	16 51 56.6	-0.4	
BLA	Blacksburg	47.41	88	eP	P	16 51 56.6	-0.4	
BLA	BLA	16	51	56.6	-0.4			
BLA	Blacksburg	47.41	88	P	P	16 51 57.0	0.0	
V53A	Saluda	47.43	91	P	P	16 51 57.7	+0.4	
LRAL	Lakeview Retre	47.46	97	eP	P	16 51 56.6	-0.8	
LRAL	Lakeview Retre	47.46	97	P	P	16 51 57.1	-0.3	
247A	Quitman	47.46	99	P	P	16 51 58.1	+0.8	
SDMD	Soldier's Deli	47.48	83	eP	P	16 51 57.1	-0.3	
QUA2	Belcher town	47.49	77	eP	P	16 51 57.7	+0.2	
148A	Greensboro	47.49	98	P	P	16 51 57.5	0.0	
Z49A	Columbia	47.56	96	P	P	16 51 58.0	-0.2	
346A	Big Creek Wild	47.59	100	P	P	16 51 58.9	+0.6	
W53A	Cullowhee	47.66	92	P	P	16 51 59.3	+0.3	
445A	Amite	47.70	102	P	P	16 52 00.2	+1.0	
PAL	Palisades	47.70	79	eP	P	16 51 59.3	+0.2	
PAL	Palisades	47.70	79	eP	P	16 51 59.3	+0.2	
PAL	Palisades	47.70	79	P	P	16 51 59.2	0.0	
Y51A	Rockmart	47.72	94	P	P	16 51 59.2	-0.2	
X52A	Dahlonaga	47.74	93	P	P	16 51 59.6	0.0	
PSUB	Penn St - Bra	47.77	81	eP	P	16 51 59.7	+0.1	
Z50A	Ashland	47.81	96	eP	P	16 52 00.3	+0.1	
Z50A	Ashland	47.81	96	P	P	16 53 27.1	-1.7	
Z50A	Ashland	47.81	96	P	P	16 52 00.2	+0.1	
248A	Dixon Mills	47.86	98	P	P	16 52 00.6	+0.1	
WES	Weston	47.91	76	eP	P	16 52 00.5	-0.2	
WES	Weston	47.91	76	eP	P	16 52 00.5	-0.2	
WES	WES	16	52	00.5	-0.2			
BG3	Lake Jocassee	47.91	92	eP	P	16 52 01.4	+0.5	
149A	Jones	47.91	97	P	P	16 52 00.9	0.0	
EMMW	East Machias	47.99	71	eP	P	16 52 00.7	-0.6	
347A	Saraland	48.03	100	P	P	16 52 02.8	+1.0	
CVRD	Centerville Ro	48.04	85	eP	P	16 52 02.3	+0.5	
PTRD	Partlow Road	48.09	85	eP	P	16 52 02.3	+0.1	
X53A	Estanolle	48.12	92	P	P	16 52 02.6	+0.2	
446A	Poplarville	48.12	101	P	P	16 52 03.2	+0.7	
Z51A	Franklin	48.14	95	P	P	16 52 02.2	-0.4	
CBN	Corbin Frederi	48.15	84	P	P	16 52 02.7	0.0	
BRYW	Bryant College	48.16	76	eP	P	16 52 02.6	-0.1	
545A	Edgar	48.19	102	P	P	16 52 03.4	+0.4	
Y52A	Lilburn	48.25	94	eP	P	16 52 03.9	+0.3	
Y52A	Lilburn	48.25	94	P	P	16 52 03.8	+0.3	
249A	Camden	48.26	98	P	P	16 52 03.8	+0.2	
150A	Eclectic	48.29	96	P	P	16 52 03.5	-0.2	
JSRW	J. Sargeant Re	48.30	85	eP	P	16 52 03.7	0.0	
LNIG	Linares	48.32	115	eP	P	16 52 04.4	+0.3	
Y53A	Monroe	48.49	93	P	P	16 52 05.2	-0.2	
USRK	Ussuriysk Ar.	48.55	289	P	P	16 52 03.8	-1.9	
USRK	USRK	17	14	30.5	LR			
URVA	University of	48.56	85	eP	P	16 52 06.1	+0.2	
KMSC	Kings Mountain	48.59	90	eP	P	16 52 05.8	-0.3	
KMSC	Kings Mountain	48.59	90	P	P	16 52 05.8	-0.3	
Z52A	Williamson	48.61	94	P	P	16 52 06.3	0.0	
NCAT	North Carolina	48.62	88	eP	P	16 52 06.3	-0.1	
250A	Grady	48.68	97	P	P	16 52 06.4	-0.4	
151A	Opelika	48.70	96	P	P	16 52 06.2	-0.7	
349A	Repton	48.73	98	P	P	16 52 07.5	+0.4	
448A	Bay Minette	48.74	99	P	P	16 52 07.7	+0.4	
HODGE	Hodges	48.85	92	eP	P	16 52 08.2	+0.1	
BORG	Borgarnes	48.90	27	LR	LR	17	13	16.3
GOGA	Godfrey	48.91	93	P	P	16 52 07.9	-0.6	
Y54A	Tignall	48.93	92	P	P	16 52 08.6	-0.1	
BRAL	Brewton	48.95	98	P	P	16 52 08.6	-0.2	

Z53A	Monticello	48.96	94	P	P	16 52 08.7	-0.3	
251A	Midway	49.01	96	P	P	16 52 08.5	-0.8	
350A	Dozier	49.09	98	P	P	16 52 09.5	-0.4	
HAMF	Hammerfest	49.17	4	eP	IAMB	16 52 08.1	-1.9	
JSC	Jenkinsville	49.31	91	eP	P	16 52 11.7	+0.1	
JSC	Jenkinsville	49.31	91	eP	P	16 52 11.7	+0.1	
153A	Fort Valley	49.34	94	P	P	16 52 11.3	-0.5	
MDJ	Mudanjiang	49.35	291	P	P	16 52 14.0	+2.2	
MDJ	MDJ	16	52	17.2	+0.6			
MDJ	MDJ	16	52	18.4	+3.1			
MDJ	MDJ	16	59	19.8	+1.8			
MDJ	MDJ	16	59	24.7	+1.0			
MDJ	MDJ	16	51	54.9	+0.1			
MDJ	MDJ	16	51	56.1	+0.5			
MDJ	MDJ	16	51	55.9	+0.1			
MDJ	MDJ	16	51	56.0	0.0			
MDJ	MDJ	16	51	56.2	+0.1			
Z54A	Sparta	49.36	93	P	P	16 52 11.5	-0.5	
252A	Lumpkin	49.42	96	P	P	16 52 11.5	-1.0	
450A	Crestview	49.48	98	P	P	16 52 13.0	+0.1	
Z55A	Blythe	49.72	92	P	P	16 52 14.4	-0.4	
154A	Montrose	49.73	94	P	P	16 52 13.7	-1.1	
TRO	Tromso	49.97	6	eP	IAMB	16 52 15.7	-0.4	
TRO	TRO	16	52	16.6				
155A	Kite	50.04	93	P	P	16 52 15.8	-1.4	
452A	Matsushiro	50.13	97	P	P	16 52 16.5	-1.4	
254A	Abbeville	50.18	94	P	P	16 52 17.3	-0.9	
353A	Camilla	50.20	96	P	P	16 52 17.4	-1.0	
ARAO	ARCESS Array S	50.34	3	eP	PcP	16 52 17.8	-1.2	
ARAO	ARCESS Array S	50.34	3	eP	PcP	16 53 36.9	-0.5	
ARCES	ARCESS Array B	50.34	3	eP	PcP	16 52 17.8	-1.2	
ARCES	ARCESS Array B	50.34	3	eP	PcP	16 53 36.9	-0.5	
AREO	AREO	50.34	3	eP	IAMB	16 52 17.3	-1.7	
AREO	AREO	16	52	18.6				
TIGA	Tifton	50.44	95	P	P	16 52 19.3	-0.9	
KTK1	Kautokeino	50.79	4	eP	P	16 52 21.2	-1.1	
LOF	Lofoten	51.11	9	eP	IAMB	16 52 23.5	-1.2	
LOF	LOF	16	52	25.5				
STEI	Steigen	51.43	8	eP	IAMB	16 52 26.3	-0.9	
STEI	STEI	16	52	27.4				
MAJO	Matsushiro	51.46	278	P	P	16 52 28.4	+0.6	
MAJO	Matsushiro	51.46	278	P	P	16 52 28.4	+0.6	
MAJO	MAJO	16	52	28.1	+0.2			
MJAR	Matsushiro	51.46	278	P	P	16 52 28.4	+0.6	
MJAR	MJAR	17	17	04.2	LR			
554A	Perry	51.50	96	P	P	16 52 27.3	-0.9	
CN2	Changchun	51.89	293	eP	P	16 52 30.0	-1.0	
CN2	CN2	16	52	30.0	-1.0			
CN2	CN2	16	52	30.0	-1.0			
CN2	CN2	16	52	30.0	-1.0			
CN2	CN2	16	52	30.0	-1.0			
457A	Yulee	52.11	94	P	P	16 52 32.8	0.0	
KONS	Konsvik	52.68	10	eP	IAMB	16 52 34.9	-1.5	
KONS	KONS	16	52	36.8				
JHJ	Hachijo jima 2	53.41	274	LR	LR	17	15	12.3
NSS	Namsos	54.51	11	eP	IAMB	16 52 49.3	-0.6	
NSS	NSS	16	52	49.6				
TLY	Talaya	54.62	314	eS	P	16 52 58.6	+7.6	
TLY	TLY	17	00	26.9	-3.4			
TLY	TLY	16	52	58.6	+7.6			
TLY	TLY	17	00	26.9	-3.4			
MOY	Mondy	55.58	315	eP	P	16 53 00.3	+2.3	
MOY	MOY	16	53	00.3	+2.3			
KS01	Wonju Array Si	55.73	287	eP	P	16 52 59.0	-0.1	
KSRS	Korea Array	55.73	287	eP	P	16 52 59.0	+0.7	
KSRS	KSRS	17	17	24.5	LR			
KS15	Wonju Array Si	55.76	287	eP	P	16 52 59.8	+0.4	
ZAK	Zakamensk	55.82	313	eP	P	16 52 59.7	-0.1	
ZAK	ZAK	16	52	59.7	-0.1			
ULN	Ulanbaatar	56.47	309	eP	P	16 53 04.4	-0.1	
ULN	Ulanbaatar	56.47	309	eP	P	16 53 04.5	0.0	
ULN	ULN	16	53	04.5	0.0			
SONAT	Songino Array	56.74	309	eP	P	16 53 06.8	+0.4	
SONAO	Songino Array	56.75	309	eP	P	16 53 07.5	+1.1	
SONM	Songino Array	56.75	309	eP	P	16 53 07.5	+1.1	
SONM	SONM	17	19	03.2	LR			
SUE	Sulen	57.08	16	eP	IAMB	16 53 06.2	-2.1	
SUE	SUE	16	53	07.4				
JNU	Nakatsue	57.79	281	P	P	16 53 15.1	+1.2	
JNU	JNU	17	19	40.7	LR			
JNU	Nakatsue	57.79	281	P	P	16 53 14.3	+0.4	
NB2	NORSAR Subarra	57.86	12	P	P	16 53 12.6	-1.4	
NB2	NORSAR Subarra	57.86	12	P	P	16 53 12.6	-1.4	
NB20	NORSAR Array S	57.86	12	P	P	16 53 13.2	-0.7	
NOA	NORSAR Array S	57.86	12	P	P	16 53 12.9	-1.0	
NOA	NOA	17	19	32.7	LR			
PRGR	Permogore	57.94	353	eP	P	16 53 12.5	-2.0	
PRGR	PRGR	16	53	12.5	-2.0			
NVS	Novosibirsk	58.29	328	eP	P	16 53 12.0	-5.0	
FIA1	FINESS Array S	58.46	4	eP	P	16 53 16.9	-1.2	
FIAO	FINESS Array S	58.46	4	eP	P	16 53 17.1	-1.0	
FIAO	FINESS Array S	58.46	4	eP	P	16 53 17.1	-1.0	
FINES	FINESS Array B	58.46	4	eP	P	16 53 17.1	-1.0	
HVS	Khovr-Aksy	58.68	320	P	P	16 53 18.2	-0.3	
ZAA1	Zalesovo Array	58.66	327	eP	P	16 53 18.9	-0.7	
ZAAO	Zalesovo Array	58.66	327	eP	P	16 53 18.8	-0.8	
ZALV	Zalesovo Beam	58.66	327	P	P	16 53 18.9	-0.7	
ZALV	ZALV	17	19</					

9d 16h

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KSP, AB31, ABKAR, etc.

2012 AUG

Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MNAS, AML, OBKA, etc.

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Table with columns: Station, Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like NIL, HNR, CZD, etc.

ISCJB 09:16:56:39.70:4.0:59.110N:0.0:23.005E:0.0:04,h0km, Error ellipse: s-maj=4.3km s-min=2.9km az=173.8, HEL 09:16:56:41.0:0.1:59.03N:23.09E,h0km,ML2.2, ML2.0(U/P),Explosion NAO 09:16:56:42.6:1.0:59.21N:23.03E,ML2.2 UPP 09:16:56:43.3:1.6:59.12N:22.75E,h0km,ML2.0 IDC 09:16:56:43.1:2.2:59.22N:23.08E,h0km,mb1 3.0/4, mb1mx2.8/65,mb1mp2.9/4,ML2.3/4,Error ellipse: s-maj=25.1km s-min=8.1km az=154.0, ISC 09:16:56:40.3:0.9:59.06N:0.0:23.07E:0.0:03,h0km,n44, r:1519/64,Baltic States-Belarus-Northern Russia

Table with columns: Code, Station Name, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Code, Station Name, etc.

9d 19h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ Urewera, TXAR Lajitas Array, DBIC Dimboko, etc.

WEL 09 18:18:20.4,38'S;15°18'00"E;h33km,ML3.6/17,East of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMGZ Waiomatatini S, MXZ Matakaoa Point, PKGZ Pakihiroa, etc.

IS/CB 09 18:41:42.6;0.5,38.70N;0.04;28.07E;0.05,h10km;7km, Error ellipse: s-maj=8.7km s-min=4.3km az=34.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKS Akhisar, MANT Manisa, etc.

IDD 09 19:04:48.5;0.6,44.83N;36.72E,h0km,mb3.3/7, mb1.3/5.14,mb1mx3.4/71,mbtmp3.4/14,ML3.3/7, Error ellipse: s-maj=9.8km s-min=7.0km az=16.0

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

2012 AUG

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FEO Feodosiya, VOZR Vozrozhdienie, SUDU Sudak, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VOIR Obninsk, AKTO Aktyubinsk, GEYT Alibeck, etc.

IDD 09 19:15:30.8;1.0,13.05N;91.05W,h0km,mb4.3/11, mb1.4/4.13,mb1mx4.1/56,mbtmp4.2/13,ML3.9/2,MS3.3/17, Ms1.3/17,ms1mx3.1/41, Error ellipse: s-maj=34.9km s-min=16.9km az=54.0

CASC 09 19:15:31.2;1.0,14.89N;90.98W,h169km;10km,ML3.7, mb4.3(NEIC)

NEIC 09 19:15:38.7;0.9,13.11N;91.01W,h60km;8km,mb4.3/58, Error ellipse: s-maj=9.9km s-min=5.3km az=225.0

ISC 09 19:15:33.0;0.8,12.93N;0.09;91.35W;0.09,h39km;8km, Ms1.1/171/220,mb4.4/61,MS3.3/16,Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IXC Ixapaco, SBLB San Blas, SNJE San Jose, etc.

U4LR	University of comp=2.25nm,1.0s	21.76 358 eP	P	19 20 23.3 -0.3
X48A	Hartselle	21.78 10 P	P	19 20 22.9 -0.9
Y52A	Libburn	21.87 16 P	P	19 20 25.2 +0.4
Y52A	Libburn	21.87 16 P	P	19 20 22.9 -1.9
Z55A	Blythe	21.88 21 P	P	19 20 23.3 -1.5
X49A	Woodville	21.96 11 P	P	19 20 25.3 -0.4
Y53A	Monroe	22.00 17 P	P	19 20 24.7 -1.4
X50B	Fort Payne	22.05 13 P	P	19 20 25.0 -1.7
W41B	Gary Mavity, V	22.16 358 eP	P	19 20 27.1 -0.8
W41B	Gary Mavity, V	22.16 358 P	P	19 20 26.5 -1.4
W40A	Ferguson Farm	22.22 356 eP	P	19 20 27.4 -1.1
W39A	Magazine	22.27 355 eP	P	19 20 30.4 +1.2
W39A	Magazine	22.27 355 P	P	19 20 28.7 -0.4
WHAR	Woolly Hollow	22.28 358 eP	P	19 20 28.3 -0.9
Y54A	Tignal	22.28 19 P	P	19 20 27.4 -1.8
X51A	Calhoun	22.33 14 P	P	19 20 27.8 -1.9
W48A	Pulaski	22.47 9 P	P	19 20 29.9 -1.3
W47A	Westpoint	22.48 8 P	P	19 20 29.8 -1.5
W49A	Belvidere	22.56 11 P	P	19 20 31.3 -1.0
GD2L	Guadalupe Moun	22.59 330 eP	P	19 20 33.7 +1.0
X52A	Dalhousie	22.61 16 P	P	19 20 31.7 -1.1
X53A	Estanollee	22.68 17 P	P	19 20 32.3 -1.2
MNTX	Cornudas Mount	22.70 328 eP	P	19 20 35.5 +1.7
SWT	Sewanee	22.72 12 eP	P	19 20 33.4 -0.6
V41A	Mountainview	22.77 358 P	P	19 20 31.9 -2.5
V42A	Cord	22.77 360 P	P	19 20 32.4 -2.1
V40A	Humboldt	22.81 5 P	P	19 20 32.0 -2.8
V45A	Witts Springs	22.81 357 eP	P	19 20 32.9 -1.9
V40A	Witts Springs	22.81 357 P	P	19 20 33.1 -1.8
W50A	Signal Mount	22.83 13 P	P	19 20 34.1 -1.0
W51A	Cleveland	22.92 14 P	P	19 20 34.2 -1.8
V46A	Holladay	22.95 7 P	P	19 20 33.9 -2.4
V47A	Nunnally	23.05 8 P	P	19 20 35.6 -1.7
W52A	Murphy	23.06 16 eP	P	19 20 38.0 +0.5
W52A	Murphy	23.06 16 P	P	19 20 35.2 -2.2
V48A	Smith Brothers	23.07 9 eP	P	19 20 37.0 -0.5
V48A	Smith Brothers	23.07 9 P	P	19 20 35.1 -2.4
BG3	Lake Jocassee	23.25 18 eP	P	19 20 38.2 -1.1
V49A	McMillanville	23.26 11 P	P	19 20 37.6 -1.8
WVT	Waverly	23.31 7 eP	P	19 20 38.9 -1.0
U41A	Viola	23.32 359 P	P	19 20 38.1 -1.8
U42A	Reverend	23.32 0 P	P	19 20 37.9 -2.0
V50A	Pikeville	23.33 13 P	P	19 20 38.4 -1.7
U40A	Yellville	23.36 357 P	P	19 20 38.8 -1.6
V51A	Loudon	23.63 14 eP	P	19 20 42.4 -0.6
V51A	Loudon	23.63 14 P	P	19 20 40.3 -2.6
TKL	Tuckaleechee C	23.64 16 P	P	19 20 42.8 -0.3
U47A	Clarksville	23.69 8 P	P	19 20 41.7 -1.8
AMTX	Amarillo	23.77 339 eP	P	19 20 44.9 +0.5
V52A	Sevierville	23.86 16 eP	P	19 20 44.3 -0.7
V52A	Sevierville	23.86 16 P	P	19 20 42.6 -2.5
KMSC	Kings Mountain	23.90 21 eP	P	19 20 44.2 -1.3
KMSC	Kings Mountain	23.90 21 P	P	19 20 42.5 -2.9
V53A	Saluda	23.91 17 eP	P	19 20 45.6 -0.1
V53A	Saluda	23.91 17 P	P	19 20 43.1 -2.6
T42A	Van Buren	24.00 0 eP	P	19 20 45.4 -1.0
T42A	Van Buren	24.00 0 P	P	19 20 45.0 -1.3
U49A	Red Boiling Sp	24.01 11 P	P	19 20 44.5 -2.0
T31A	Mountain View	24.01 359 P	P	19 20 45.3 -1.2
T49A	Cleaver	24.06 356 P	P	19 20 45.8 -1.1
T43A	Greenville	24.07 2 P	P	19 20 45.5 -1.5
U50A	Jamestown	24.10 13 P	P	19 20 45.5 -1.9
T46A	Princeton	24.21 7 P	P	19 20 46.5 -1.7
T47A	Sharon Grove	24.25 8 eP	P	19 20 48.1 -0.6
T47A	Sharon Grove	24.25 8 P	P	19 20 47.1 -1.6
U51A	La Follette	24.26 15 P	P	19 20 46.5 -2.3
U52A	Thorn Hill	24.44 16 P	P	19 20 48.4 -2.0
T48A	Bowling Green	24.48 10 P	P	19 20 49.3 -1.5
TZTN	Tazewell	24.53 15 eP	P	19 20 50.1 -1.2
S41A	Jilco Farms	24.55 359 P	P	19 20 50.6 -0.9
S40A	Lebanon	24.59 358 P	P	19 20 50.1 -1.6
T49A	Edmonton	24.63 11 eP	P	19 20 51.5 -0.6
T49A	Edmonton	24.63 11 P	P	19 20 50.3 -1.4
U53A	Fall Branch	24.63 17 P	P	19 20 50.2 -2.0
T50A	Nancy	24.68 13 P	P	19 20 50.3 -2.3
S38A	Stockton	24.70 355 P	P	19 20 51.8 -1.0
S39A	Bolivar	24.72 356 eP	P	19 20 51.9 -1.1
S39A	Bolivar	24.72 356 P	P	19 20 51.5 -1.5
T51A	Gray	24.83 14 P	P	19 20 51.2 -2.8
CCM	Cathedral Cave	25.02 0 eP	P	19 20 55.7 0.0
R38A	Fenwick Farm	25.25 355 P	P	19 20 56.6 -1.2
R41A	Rosebud	25.26 360 P	P	19 20 56.0 -1.9
R40A	Maddies Statio	25.27 358 eP	P	19 20 56.0 -1.9
R40A	Maddies Statio	25.27 358 P	P	19 20 56.0 -1.9

BNM	Barren Site	25.28 329 eP	P	19 21 01.8 +3.4
R39A	Chumby, Stover	25.32 357 P	P	19 20 56.6 -1.8
S49A	Springfield	25.33 11 P	P	19 20 56.2 -2.3
S51A	Beattyville	25.56 14 P	P	19 20 58.3 -2.3
WCI	Wyandotte Cave	25.59 9 eP	P	19 20 59.6 -1.3
R47A	Wyandotte Cave	25.62 9 P	P	19 20 58.9 -2.2
S52A	Salyersville	25.73 15 P	P	19 20 59.5 -2.6
Q41A	Truon	25.90 0 P	P	19 21 01.5 -2.3
Q38A	Cooks Store, C	26.00 356 P	P	19 21 02.4 -2.2
Q39A	Willow Grove F	26.05 357 P	P	19 21 03.2 -1.8
R51A	Hillsboro	26.19 14 P	P	19 21 03.8 -2.4
P40A	Paris	26.50 359 eP	P	19 21 09.8 +0.8
P48A	Milroy	26.94 10 P	P	19 21 10.7 -2.3
Q51A	Peebles	26.94 14 P	P	19 21 10.7 -2.4
O40A	La Belle	27.09 359 P	P	19 21 12.8 -1.6
O47A	Sheridan	27.57 9 P	P	19 21 16.5 -2.2
NNA	Nantahala	28.64 149 LR	LR	19 20 51.2
ANWB	Willie Bob	28.88 77 eP	P	19 21 28.3 -2.3
O56A	Blue Knob Stat	29.46 20 P	P	19 21 33.4 -2.2
L48A	N Adams	29.52 10 P	P	19 21 34.2 -1.8
PV13	Radium Mtn., P	29.55 331 eP	P	19 21 39.4 +2.8
N54A	Moraine State	29.64 18 P	P	19 21 35.4 -1.7
BC3	Big Chuckawall	30.12 317 P	P	19 21 42.6 +1.0
N59A	State Game Lan	31.04 23 P	P	19 21 48.7 -0.8
P18A	Preston Nutting	31.39 331 eP	P	19 21 58.1 +5.1
MPMC	Manual Prospec	32.91 319 P	P	19 22 07.0 +0.8
F38A	Pierce - Schro	32.92 359 P	P	19 22 04.5 -1.4
F44A	Big Bay de Noc	33.20 6 P	P	19 22 06.1 -2.2
R11A	Troy Canyon, C	33.24 324 eP	P	19 22 11.6 +2.6
SADO	Sadowa	33.40 16 P	P	19 22 08.4 -1.7
SADO	Sadowa	33.40 16 eP	P	19 22 08.3 -1.8
E40A	Wakefield	33.42 2 P	P	19 22 09.0 -1.3
HWUT	Haware Ranch	33.57 332 eP	P	19 22 13.0 +1.2
PDAR	Pinedale Array	33.65 335 LR	LR	19 36 47.0
NV11	Mina Array Sit	34.81 322 eP	P	19 22 24.9 +2.3
NV01	Mina Array Sit	34.90 322 eP	P	19 22 24.2 +0.8
NV4R	Mina Array Bea	34.90 322 P	P	19 22 26.0 +2.5
KVAN	Kaiserville	35.17 323 eP	P	19 22 28.9 +3.1
SAML	Samuel	35.43 126 eP	P	19 22 26.2 -1.8
BMN	Battle Mountain	35.58 325 eP	P	19 22 31.6 +2.4
A33A	Warroad	36.05 355 P	P	19 22 37.1 -1.3
HLID	Halley	36.41 331 eP	P	19 22 39.3 +3.0
MCMT	McKenzie Canyo	36.70 334 eP	P	19 22 39.9 +1.0
MFID	Camas Ranch	36.98 330 eP	P	19 22 40.6 -0.5
LPAZ	La Paz	37.01 141 P	P	19 22 42.1 -0.1
LPAZ	La Paz	37.01 141 LR	LR	19 36 48.1
LPAZ	La Paz	37.01 141 eP	P	19 22 41.8 -0.4
ULM	Lac du Bonnet	37.40 355 LR	LR	19 39 09.2
J08A	Circle Bar Ran	38.28 328 eP	P	19 22 54.7 +2.6
BMO	Blue Mountains	38.76 330 eP	P	19 22 58.0 -1.9
F10A	Beach Ranch, E	39.55 331 eP	P	19 23 04.3 +1.6
L04D	Klamath Falls	39.65 323 P	P	19 23 04.2 +0.6
I03D	Drain, OR	41.17 324 P	P	19 23 16.9 +1.0
LON	Longmie	42.33 329 eP	P	19 23 27.8 +2.4
RPN	Rapa Nui	43.48 204 LR	LR	19 36 48.0
SCHO	Schefferville	46.00 19 P	P	19 23 53.1 -1.7
SCHO	Schefferville	46.00 19 LR	LR	19 44 36.5
SCHO	Schefferville	46.00 19 eP	P	19 23 52.7 -2.0
BDFB	Brasilia	51.42 122 P	P	19 24 36.8 -0.2
YKA	Yellowknife Ar	52.20 347 P	P	19 24 42.1 +0.1
DLBO	Dease Lake	53.80 306 P	P	19 24 56.4 +1.9
INK	Inuvik	61.63 344 P	P	19 25 49.4 +0.6
IL1	Eielson Array	64.06 337 eP	P	19 26 06.2 +1.2
ILAR	Eielson Array	64.06 337 P	P	19 26 06.2 +1.3
RND	Reindeer	64.26 335 eP	P	19 26 08.8 +2.4
SKT	Skuwina	64.85 333 eP	P	19 26 12.2 +2.0
PRRZ	Papeete	64.98 244 LR	LR	19 47 36.8
BPAW	Bear Paw Mtn.	65.40 335 eP	P	19 26 17.4 +3.6
MLY	Manley	65.67 336 eP	P	19 26 16.9 +1.5
BDRG	Borgarnes	69.89 25 LR	LR	19 57 06.2
M0T	Middlet	80.40 58 LR	LR	19 58 38.7
SPITS	Spitsbergen Ar	81.00 11 P	P	19 06 11.7
KOWA	Kowak	84.30 76 LR	LR	19 59 48.0
NOA	NORSAR Array B	84.77 28 LR	LR	19 03 47.5
DBIC	Dimboko	85.13 84 P	P	19 02 09.2 +1.1
HFS	Hagfors	86.22 29 LR	LR	19 04 20.9
DAVOX	Davos/Dischmat	88.22 42 LR	LR	19 03 58.4
NRIK	Noril'sk	97.94 0 LR	LR	19 20 15.1
AKSA	Malin Array Be	98.26 34 LR	LR	19 20 55.6
WRW	Warramunga Arr	135.74 255 PKP	PKPdf	19 34 53.0 +0.4
ASAR	Alice Springs	135.90 249 PKP	PKPdf	19 34 53.8 +0.9
CMAR	Comet Mar Arr	147.20 342 PKP	PKPbc	19 35 16.0 +0.7

Code	Station Name	A° AZ'	Phase ID	Time Res
KTMS	Ketmen	2.18 243 eP	Op	ISC h m s ISC
KTMS	Ketmen	4.0nm,0.3s	eS	Pn 19 30 33.3 +1.5
DJR	Jarkent	2.32 268 eP	eS	Pb 19 30 02.9 +0.9
DJR	Jarkent	1.9nm,0.2s	eS	Pb 19 30 37.1 -0.5
MK31	Makanchi Array	2.40 348 eP	Pg	Pg 19 31 09.2 -1.6
MK31	Makanchi	0.1nm,0.1s,baz=167,slow=16,SNR=1.4	ILg	Lg 19 31 13.6
MAKZ	Makanchi	2.47 343 ILg	Pg	Pb 19 30 40.6 +0.4
MAKZ	Makanchi	2.3nm,0.9s	ILg	Lg 19 31 12.5
KAPS	Kapalarasan	1.7nm,0.5s	eS	Pb 19 30 45.0 +0.3
KAPS	Kapalarasan	1.8nm,0.3s	eS	Pb 19 31 22.9 -1.3
PDGK	Podgomoye	2.79 248 ILg	ILg	Pb 19 30 45.0 -0.7
PDGK	Podgomoye	1.0nm,0.4s	ILg	Lg 19 31 23.0
SHLS	Shalkode	2.89 245 eP	eS	Pn 19 30 41.3 -0.2
SHLS	Shalkode	2.3nm,0.2s	eS	Pn 19 31 16.6 +0.7
ZSN	Zaisan	3.26 23 eP	eS	Pb 19 30 52.1 -1.6
ZSN	Zaisan	0.4nm,0.1s	eS	Sb 19 31 35.0 +1.9
ZSN	Zaisan	2.3nm,0.6s	eS	Sb 19 31 35.0 +1.9

IDC 09 19:31:23.0:0.9,37:47S:177:67E, h0km, mb4.4/8, mb1.4/8, mb1mx4.2/39, mbtmp4.3/8, MS3.5/5, Ms1.3.6/5, ms1mx3.0/41, Error ellipse: s-maj=30.0km s-min=18.4km az=90.0
 ISCJB 09 19:31:30.4:0.3,37:84S:0:02:177:61E, 0:03, h66km, 2km, mb4.3/13, Error ellipse: s-maj=4.3km s-min=3.8km az=163.6
 WEL 09 19:31:31.3:38:52:17:8E, h40km, 2km, ML4.6/19
 NEIC 09 19:31:31.6:0.0,37:76S:0:03:177:58E, h44km, mb4.5/6, ML4.7(WEL), Arr WEL.
 NEIC Felt in the Opotiki area.
 BUJ 09 19:31:31.0,38:00S:177:80E, h59km, mb4.9/1
 ISC 09 19:31:31.1:0.7,37:84S:0:03:177:55E, 0:03, h52km, 5km, n245, t158/260, mb4.4/13, MS3.6/3, TC-1D, Off east coast of North Island

Code	Station Name	A° AZ'	Phase ID	Time Res
RUGZ	Raukumara Rang	0.16 142 P	Op	ISC h m s ISC
HAZ	Te Kaha	0.20 66 P	P	Pn 19 31 38.5 -1.1
HAZ	Te Kaha	0.20 66 P	P	Pn 19 31 38.6 -1.1
PKGZ	Pakihoro	0.42 97 P	P	Pn 19 31 43.7 -1.5
PKGZ	Pakihoro	0.42 97 P	P	Pn 19 31 40.7 -0.9
WIZ	White Island	0.42 317 P*	P*	Pn 19 31 41.0 -0.6
WIZ	White Island	0.42 317 P	P	Pn 19 31 41.1 -0.5
WHRZ	Whale Island	0.46 267 P	P	Pn 19 31 42.6 +0.5
TWGT	Tauwhareparea	0.48 135 Pn	Pn	Pn 19 31 42.9 +0.6
TWGT	Tauwhareparea	0.48 135 Pn	Pn	Pn 19 31 43.1 +0.9
MWZ	Matawai	0.50 182 P*	P*	Pn 19 31 42.7 +0.2
MWZ	Matawai			

2012 AUG

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like WATZ, RATZ, MCHZ, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SYO, VNA3, KSR5, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CLL, BRG, DPC, etc.

9d 22h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GANJ, MAK, SEKA, SHEKI, SBZ, AKT, etc.

NNC 09 21:36:50.19, 1.39, 33N-75.51E, h0km, mb3.6, mpv3.3, 3C-2D, Error ellipse: s-maj=80.7km s-min=53.3km az=5.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SFK, MNAS, KK31, etc.

ISK 09 21:48:16.2, 38.71N-43.16E, h9km, ML2.1/5

ISCJB 09 21:48:18.3, 0.6, 38.72N-0.03-43.28E, 0.05, h9km, 5km, Error ellipse: s-maj=6.9km s-min=4.3km az=11.8

DDA 09 21:48:18.9, 38.70N-43.36E, h7km, ML2.6

ISC 09 21:48:17.1, 0.3, 38.72N-0.03-43.27E, 0.04, h11km, 9km, n12, c193/20, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, GEVAS, etc.

DDA 09 21:50:42.7, 38.73N-43.49E, h7km, ML2.6

ISCJB 09 21:50:43.7, 0.6, 38.76N-0.03-43.53E, 0.06, h1km, 10km, Error ellipse: s-maj=8.6km s-min=4.5km az=26.7

ISK 09 21:50:43.2, 38.76N-43.53E, h9km, ML2.2/4

ISC 09 21:50:43.6, 0.9, 38.78N-0.03-43.47E, 0.04, h14km, 6km, n12, c1915/21, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VANB, VMUR, TVAN, CLDR, etc.

IDC 09 21:51:43.6, 1.0, 28.85S-71.21W, h0km, mb4.6/2

mb1 4.1/4, mb1mx3.7/34, mbtmp4.1/4, ML3.7/2, MS3.3/3, Ms1 3.3/3, ms1mx2.9/31, Error ellipse: s-maj=41.9km s-min=29.3km az=5.0

NEIC 09 21:51:47.0, 0.0, 28.74S-71.42W, h42km, mb4.0/10, ML4.3(GUC), After GUC

NEIC Felt (III) at Copiapo, Freirina, Huasco and Tierra Amarilla; (II) at La Higuera and Vallenar.

GUC 09 21:51:47.5, 0.7, 28.74S-71.42W, h42km, 3km, ML4.3

SJA 09 21:51:51.7, 0.6, 28.91S-71.49W, h42km, ML3.3, MW4.3

ISC 09 21:51:43.9, 1.5, 28.70S-0.04-71.44W, 0.06, h10km, 9km, n46, c1946/46, mb4.3/13, 1C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VACH, LCO, GO03, TLL, etc.

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Main table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like VCA, AMOS, RTLL, etc.

NNC 09 21:37:30.6, 2.6, 34.64N-68.66E, h0km, mb3.9, mpv3.5, 4C-4D, Error ellipse: s-maj=34.8km s-min=20.7km az=111.0, Southeastern Afghanistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SFK, MNAS, KK31, etc.

ISCJB 09 22:18:05.8, 1.0, 30.41S-0.03-71.4W, 0.1, h57km, 12km, Error ellipse: s-maj=15.0km s-min=5.5km az=178.4

GUC 09 22:18:05.9, 0.6, 30.41S-70.94W, h73km, 2km, ML3.8

SJA 09 22:18:09.3, 1.0, 30.52S-71.08W, h41km, 13km, ML3.3, MW3.7

ISC 09 22:18:06.3, 6.6, 30.42S-0.04-71.47W, 0.08, h38km, 8km, n22, c192/26, 3D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TLL, GO04, LCO, AR0D, etc.

s-maj=27.3km s-min=19.0km az=154.0, ISCJB 09 22:18:56.9, 0.6, 36.76N-0.03-140.60E, 0.06, h6km, 5km, mb3.4/3, Error ellipse: s-maj=8.3km s-min=3.9km az=20.0

JMA 09 22:18:57.3, 36.76N-140.59E, h7km, 1km, ML3.2

Broadband fault plane solution: P waves. NP2: 0.319, 0.0000, 0.846, 0.0000, -1.95, 0.0000. NP2: 0.147, 0.0000, 0.844, 0.0000, -1.84, 0.0000. Principal axes: T P1g, 0.0000, Azm53.0000, N P1g, 0.0000, Azm323.0000; P P1g86.0000, Azm157.0000;

JMA Felt II J1, ISC 09 22:18:56.0, 0.9, 36.77N-0.04-140.57E, 0.05, h17km, 8km, n14, c1911/22, mb3.4/3, Near east coast of eastern Honshu

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

BEO 09 22:36:17.2, 1.2, 37.04N-20.71E, h0km, ML3.3/2

ISCJB 09 22:36:20.5, 0.8, 37.30N-0.02-20.84E, 0.03, h12km, 5km, mb3.5/7, Error ellipse: s-maj=4.9km s-min=3.1km az=140.4

THE 09 22:36:21.3, 37.35N-20.88E, h20km, 2km, ML3.6/6, Error ellipse: s-maj=2.3km s-min=0.5km az=3.0

ATH 09 22:36:21.4, 37.36N-20.95E, h18km, ML3.4/16, Error ellipse: s-maj=1.4km s-min=0.6km az=51.0

IDC 09 22:36:26.8, 1.7, 37.35N-20.91E, h62km, 23km, mb3.2/7, mb1 3.3/10, mb1mx3.1/60, mbtmp3.4/10, ML3.0/3, Error ellipse: s-maj=22.2km s-min=11.7km az=15.0

ISC 09 22:36:21.2, 1.1, 37.34N-0.03-20.92E, 0.03, h12km, 7km, n84, c1938/112, mb3.5/7, 5C, Ionian Sea

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WB2 Warramunga Arr, WRAB Tennant Creek, WRAB Tennant Creek, WRA Warramunga Arr, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PET Petropavlovsk, PEAO Petropavlovsk, PETK Petropavlovsk, UBPT Khong Chiam, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SHPR R11A Troy Canyon, G08A Pilot Rock, SYO Syowa Base, SYO Syowa Base, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like South Pole Qui, Yreka Blue Hor, HULL Mountain, etc.

MAN 10:01:53:20.4, 13:45N:121:28E, h17km, mb3.7, ML2.4, MS1.8, 1C, Mindoro

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Puerto Galera, Boac, Lubang, etc.

IDC 10:01:55:51.7-10.0, 10:28S:152:67E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.5/4.3, mbmtpp3.6/3, Error ellipse: s-maj=294.1km s-min=34.5km az=116.0, D'Entrecasteaux Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Warramunga Arr, ASAR Alice Springs, SONMI Songoing Array, etc.

MOS 10:01:58:34.9-1.3, 48:72N:155:40E, h146km, mb4.2/1, Error ellipse: s-maj=99.9km s-min=9.5km az=75.2, KRSC 10:01:58:34.9-1.7, 48:73N:155:40E, h146km, 36km, ML4.1, Kuril Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Severo-Kuril's, PAU Puzhetka, KDR Khodutka, etc.

MEX 10:02:16:27.3-0.7, 16:33N:98:47W, h3km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Pinotepa, Tlapa, Acapulco, Vista Hermosa, El Cayaco, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Platanillo, BUI 10:02:19:15.1, 0:93N:127:22E, h66km, mb5.1/5s, mb5.1/4.0, etc.

ISC 10:02:19:22.1-0.7, 1:38N:126:93E, h74km, 5km, mb4.5/26, mb1 4.5/29, mb1mx4.3/59, mbtmp4.8/29, MS3.8/35, MS1 3.8/35, ms1mx3.7/57, Error ellipse: s-maj=16.6km s-min=9.0km az=68.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Ternate, Labuha, Sangihe, Cibinong, Sanana, Namlea, Sorong, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Luwuk, Masohi, Marisa, Ampana, Fak Fak, etc.

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

JAY Jayapura 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, ISC 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

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

KSM Kuching 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Karang Pucung, Guam, Coen, etc.

WBO Warramunga Arr 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Tennant Creek, Warramunga Arr, etc.

WRA Warramunga Arr 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Karang Pucung, Guam, Coen, etc.

QIZ Qiongzong 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Qiongzong, Ta-pu, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Maura Aman, Be Guangzhou, Kunigami, etc.

CTA Charters Tower 10:02:19:21.9-0.5, 1:40N:0:03, 126:98E:0:04, h72km, 4km, mb4.9/121, Error ellipse: s-maj=4.4km s-min=3.3km az=145.6

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Charters Tower, Giralia, Sakolnator, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Phrae, Sukhothai, Wuhan, Nanjing, etc.

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

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

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

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

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

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

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

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

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

mb3.5/6, Error ellipse: s-maj=22.9km s-min=4.3km az=160.7 NEIC 10 02:22:48.1±0.0, 53.62N;170.77W, h217km, ML3.3(AEIC), After AEIC. IDC 10 02:22:58.8±10.0, 53.65N;170.97W, h289km;124km, mb3.1/6, mb1 3.4/8, mb1mx2.9/78, mbtmp3.7/78, MS3.5/1, Ms1 3.5/1, ms1mx2.5/22, Error ellipse: s-maj=50.3km s-min=24.6km az=152.0 ISC 10 02:22:48.3±1.3, 53.0N;0.3;170.9W;0.1, h207km;14km, n39, c086/43, mb3.4/6, Fox Islands

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

RSNC 10 02:43:09.2±0.8, 3.87N;76.17W, h154km;4km, ML3.0, Mw3.6, Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for Colombia and other regions.

IDC 10 02:55:34.2±1.0, 54.186S;129.89W, h0km, mb4.2/5, mb1 4.3/5, mb1mx4.0/35, mbtmp4.1/5, MS3.8/9, Ms1 3.8/9, ms1mx3.5/30, Error ellipse: s-maj=41.1km s-min=33.9km az=107.0 ISC 10 02:55:35.2±1.0, 55.15S;0.2;129.4W;0.3, h10km;33km, c238/9, mb4.2/5, MS3.9/9, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations for the Pacific-Antarctic Ridge and other areas.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including Cape Leeuwin, Fitzroy Crossi, TXAR, H1S12, H1S13, H1S14, H1S15, H1N13, H1N11, H1N12, NVAR, BOSHA, BOSB, BOSA, YBH, HDAR, PDRN, H02N, TORO, SONMI.

DDA 10 03:25:56.9, 37.10N;29.01E, h7km, Md2.5, Suspected Mining explosion. ISCJB 10 03:25:57.8±0.4, 37.12N;0.02;29.01E;0.03, h0km, Error ellipse: s-maj=3.7km s-min=3.0km az=155.3 ISC 10 03:25:58.1, 37.06N;29.01E, h9km, ML1.9/8 ISC 10 03:25:57.5±0.8, 37.13N;0.03;29.06E;0.03, h0km, n19, c0975/29, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including TAVA, GOLH, TURN, DALY, FETHI, YERK, ELL, BRDR, KORT, AYDN, AYDB, DAT, DAT, DAT, KHAL, KHAL, BOBT, MANT, KUL, SUTC.

ISCJB 10 03:31:27.6±0.4, 44.27N;0.02;17.98E;0.02, h0km;2km, Error ellipse: s-maj=3.3km s-min=1.8km az=41.9 PRU 10 03:31:28.5±0.0, 44.15N;17.88E, h0km PDG 10 03:31:28.5±0.0, 44.27N;17.96E, h10km;1km, ML3.0/10, Error ellipse: s-maj=0.7km s-min=1.3km az=0.0 BEO 10 03:31:28.9±0.3, 44.21N;17.92E, h5km;2km, ML2.7/15 ISC 10 03:31:29.3±1.1, 44.21N;0.02;17.94E;0.02, h4km;9km, n82, c1803/144, 11C-10D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including DOB, DOB, HAPS, HAPS, BLY, BLY, BLY, MRAK, BBLs, BBLs, BBLs, TEKS, TEKS, UPM, UPM, UPM, STON, STON, STON, PLE, PLE, BRY, BRY, DIVS, DIVS, DIVS, TREB, TREB, TREB, UDBI, UDBI, NKME, NKME, IVAS, IVAS, Sjenica, Sjes, KOME, KOME, TRUS, TRUS, HCY, HCY, HCY, CEME, CEME, IVA, IVA, PDG, PDG, PDG.

ISC 10 03:31:49.9±5.8, 5.66S;68.44E, h0km, mb3.6/3, mb1 3.7/3, mb1mx3.3/62, mbtmp3.6/3, MS3.4/4, Ms1 3.4/4, ms1mx2.8/58, Error ellipse: s-maj=166.9km s-min=31.1km az=60.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including H08N3, H08N3, H08N2, H08N2, H08N1, H08N1, H08S1, H08S1, H08S3, H08S3, H08S2, H08S2, GEYT, GEYT, H01W3, H01W3, H01W2, H01W2, H01W1, H01W1, MKAR, MKAR, FITZ, FITZ, SONMI, SONMI, ASAR, ASAR, NRIK, NRIK.

BEO 10 04:05:05.0±3.4, 44.20N;17.88E, h8km;2km, ML2.2/14 PDG 10 04:05:06.0±0.2, 44.19N;17.89E, h5km, ML2.5/9, Error ellipse: s-maj=0.6km s-min=1.0km az=0.0 ISC 10 04:05:05.0±1.1, 44.20N;0.02;17.90E;0.02, h2km;10km, n52, c084/92, 9C-9D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including DOB, DOB, DOB, DOB, BLY, BLY, BLY, HAPS, HAPS, HAPS, HAPS, MRKOV, MRKOV, BBLs, BBLs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including Podgorica, Podgorica, Brajci-Budva, Brajci-Budva, GRUZ, GRUZ, ZAG, ZAG, PLY, PLY, DRME, DRME, DRME, DRME, DRME, DRME, NVLJ, NVLJ, OZLJ, OZLJ, CRES, CRES, BEHE, BEHE, BEHE, BEHE, ULIC, ULIC, SELS, SELS, KUBS, KUBS, RIY, RIY, RIY, RIY, MDVR, MDVR, MDV, MDV, BOVS, BOVS, BOVS, BOVS, CEY, CEY, CEY, CEY, BZS, BZS, BZS, BZS, LJU, LJU, LJU, LJU, ZAJ, ZAJ, SOKA, SOKA, SOKA, SOKA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including HERR, HERR, OBKA, OBKA, ARSA, ARSA, ZAPS, ZAPS, PSZ, PSZ, CONA, CONA, MODS, MODS, MODS, MODS, SMOL, SMOL, LOTR, LOTR, VYHS, VYHS, VYHS, VYHS, MOA, MOA, MOA, MOA, KRUC, KRUC, WATA, WATA, MORC, MORC, MOTA, MOTA, KHC, KHC, KHC, KHC.

IDC 10 03:31:49.9±5.8, 5.66S;68.44E, h0km, mb3.6/3, mb1 3.7/3, mb1mx3.3/62, mbtmp3.6/3, MS3.4/4, Ms1 3.4/4, ms1mx2.8/58, Error ellipse: s-maj=166.9km s-min=31.1km az=60.0, Chagos Archipelago region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including H08N3, H08N3, H08N2, H08N2, H08N1, H08N1, H08S1, H08S1, H08S3, H08S3, H08S2, H08S2, GEYT, GEYT, H01W3, H01W3, H01W2, H01W2, H01W1, H01W1, MKAR, MKAR, FITZ, FITZ, SONMI, SONMI, ASAR, ASAR, NRIK, NRIK.

BEO 10 04:05:05.0±3.4, 44.20N;17.88E, h8km;2km, ML2.2/14 PDG 10 04:05:06.0±0.2, 44.19N;17.89E, h5km, ML2.5/9, Error ellipse: s-maj=0.6km s-min=1.0km az=0.0 ISC 10 04:05:05.0±1.1, 44.20N;0.02;17.90E;0.02, h2km;10km, n52, c084/92, 9C-9D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations including DOB, DOB, DOB, DOB, BLY, BLY, BLY, HAPS, HAPS, HAPS, HAPS, MRKOV, MRKOV, BBLs, BBLs.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like BBLs, Lazl#263j, TEKS, Tekeris, etc.

CASC 10:04:27.18.9.1.4, 11.31Nk:87.92W, h38km, 667km, ML4.3, mb4.9(NEIC)
GCMT 10:04:27.19.0.0.2, 11.18N:0.01:88.25W:0.02, h126km, MW5.1/102, Moment Tensor Solution...

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like COPN, CNGN, CRUN, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like CEDA, JTS, JCR, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like 450A, 557A, 444A, etc.

Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Elev, Az, AzG, AzM, AzS, AzT, AzR, AzL, AzB, AzC, AzD, AzE, AzF, AzG, AzH, AzI, AzJ, AzK, AzL, AzM, AzN, AzO, AzP, AzQ, AzR, AzS, AzT, AzU, AzV, AzW, AzX, AzY, AzZ. Rows include LEMN Lemitar, O44A Mansfield, P37A Lathrop, etc.

Table with columns: ID, Name, Address, City, State, Zip, Lat, Lon, Elev, Az, AzG, AzM, AzS, AzT, AzR, AzL, AzB, AzC, AzD, AzE, AzF, AzG, AzH, AzI, AzJ, AzK, AzL, AzM, AzN, AzO, AzP, AzQ, AzR, AzS, AzT, AzU, AzV, AzW, AzX, AzY, AzZ. Rows include PAL Palisades, OGNE Ogallala, OGNE Ogallala, etc.

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10d 4h

2012 AUG

450

Table with columns: ISA, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like Isabella, Lake, Grapevine Rang, South Promonto, etc.

Table with columns: BMO, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like Blue Mountains, Mt. Diablo Mer, Whiskeytown Da, etc.

Table with columns: RIDG, Name, Value, Unit, Status, Date, Value, Unit, Status, Date. Includes entries like Indepen'd Rid, Sheep Creek Mo, Sawmill, etc.

Table with columns: Station Name, Az, El, AzM, ElM, AzM2, ElM2, AzM3, ElM3, AzM4, ElM4, AzM5, ElM5, AzM6, ElM6, AzM7, ElM7, AzM8, ElM8, AzM9, ElM9, AzM10, ElM10, AzM11, ElM11, AzM12, ElM12, AzM13, ElM13, AzM14, ElM14, AzM15, ElM15, AzM16, ElM16, AzM17, ElM17, AzM18, ElM18, AzM19, ElM19, AzM20, ElM20, AzM21, ElM21, AzM22, ElM22, AzM23, ElM23, AzM24, ElM24, AzM25, ElM25, AzM26, ElM26, AzM27, ElM27, AzM28, ElM28, AzM29, ElM29, AzM30, ElM30, AzM31, ElM31, AzM32, ElM32, AzM33, ElM33, AzM34, ElM34, AzM35, ElM35, AzM36, ElM36, AzM37, ElM37, AzM38, ElM38, AzM39, ElM39, AzM40, ElM40, AzM41, ElM41, AzM42, ElM42, AzM43, ElM43, AzM44, ElM44, AzM45, ElM45, AzM46, ElM46, AzM47, ElM47, AzM48, ElM48, AzM49, ElM49, AzM50, ElM50, AzM51, ElM51, AzM52, ElM52, AzM53, ElM53, AzM54, ElM54, AzM55, ElM55, AzM56, ElM56, AzM57, ElM57, AzM58, ElM58, AzM59, ElM59, AzM60, ElM60, AzM61, ElM61, AzM62, ElM62, AzM63, ElM63, AzM64, ElM64, AzM65, ElM65, AzM66, ElM66, AzM67, ElM67, AzM68, ElM68, AzM69, ElM69, AzM70, ElM70, AzM71, ElM71, AzM72, ElM72, AzM73, ElM73, AzM74, ElM74, AzM75, ElM75, AzM76, ElM76, AzM77, ElM77, AzM78, ElM78, AzM79, ElM79, AzM80, ElM80, AzM81, ElM81, AzM82, ElM82, AzM83, ElM83, AzM84, ElM84, AzM85, ElM85, AzM86, ElM86, AzM87, ElM87, AzM88, ElM88, AzM89, ElM89, AzM90, ElM90, AzM91, ElM91, AzM92, ElM92, AzM93, ElM93, AzM94, ElM94, AzM95, ElM95, AzM96, ElM96, AzM97, ElM97, AzM98, ElM98, AzM99, ElM99, AzM100, ElM100.

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BUI 10:41:39.3, 1:77N:97:07E, h22km, mb5.4/70, mb5.2/50, Ms5.1/77, Ms7.0/69
NEIC 10:41:40.2, 0.1, 1:90N:96:97E, h8km, mb5.2/72, MS4.8/95, MW5.1, Error ellipse: s-maj=4.3km s-min=3.2km az=214.0, Moment Tensor Solution, s33 Moment tensor: Scale 10^19Nm; M1:2.73; M2:1.3; M3:-1.40; M4:2.98; M5:-0.04; M6:-3.51; Best double couple: Ms5.20000x1016 NP1:140.00000; s72.00000; s89.00000; NP2: 6:323.00000; s12.00000; s93.00000; Principal axes: T: 5.7300, P:157.0000, Azm49.0000; N: -1.3900, P:1g1.0000, Azm140.0000; P: -4.3400, P:1g3.0000, Azm231.0000;

ISCJB 10:41:41.5, 0.6, 1:90N:0:02:97:02E:0:02, h27km, 4km, mb5.2/181, MS4.7/148, Error ellipse: s-maj=4.2km s-min=2.8km az=137.7
GCMT 10:41:42.0, 0.4, 1:60N:0:02:96:75E:0:02, h24km, MW5.0/55, Moment Tensor Solution, s52:c71; s55:c64; Duration: 0 Moment tensor: Scale 10^19Nm; M1:2.71; M2:1.5; M3:-1.84; M4:10; M5:-0.97; M6:12.1; M7:18; M8:1.46; M9:17; M10:2.8; M11:20; Best double couple: Ms4.96000x1016 NP1:139.00000; s71.00000; s99.00000; NP2: 6:292.00000; s21.00000; s65.00000; Principal axes: T: 4.4840, P:1g63.0000, Azm64.0000; N: 0.0200, P:1g9.0000, Azm316.0000; P: -4.5080, P:1g26.0000, Azm222.0000; nsta1 refers to body waves, cutoff=400s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 10:41:42.6, 1.0, 1:99N:97:05E, h33km, mb5.5/72, MS4.8/24 Error ellipse: s-maj=7.8km s-min=4.2km az=112.6
DJA 10:41:43.3, 0.4, 2:2N:2:97E, h28km, 4km, M5.1/41, mb5.3/41, mb5.5/18, MLv5.5/17, Mw(mb)5.0/18
IDC 10:41:43.4, 2.4, 1:88N:96:99E, h30km, 16km, mb4.8/30, mb1.4/83, ml1mx4.6/62, mbtm4.9/33, ML4.1/3, MS4.3/36, Ms1.4/36, ms1mx4.2/61, Error ellipse: s-maj=14.2km s-min=10.3km az=49.0
KLM 10:41:44.0, 1:90N:96:76E, h48km, mb5.4
ISC 10:41:42.9, 0.4, 1:89N:0:03:96:97E:0:04, h27km, 2km, h27km; p-P, n984, s1936/964, mb5.2/182, MS4.8/150, 68C-13D, Off west coast of northern Sumatra

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NB04	NORSAR Array S	86.52 331	eP	P	04 54 23.8 +0.5
NC204	NORSAR Array S	86.52 331	eP	P	04 54 23.9 +0.5
VNDA	Vanda	86.54 169	LR	LR	05 27 17.0
VNDA	Vanda	86.54 169	eP	P	04 54 23.4 +0.4
VNDA	Vanda	86.54 169	eP	P	04 54 23.4 +0.4
DAVOX	Davos/Dischmat	86.64 317	LR	LR	05 38 34.8
DAVA	Damueli	86.64 317	eP	P	04 54 24.9 +0.5
KEST	Kesra	86.97 306	P	P	04 54 27.7 +1.5
KEST	Kesra	86.97 306	eP	P	04 54 28.1 +1.9
TUE	Stuetta	87.00 316	eP	P	04 54 28.6 +2.4
KBS	Kingsbay	87.20 349	eP	P	04 54 25.9 -0.4
KBS	Kingsbay	87.20 349	eP	P	04 54 25.9 -0.4
THNT	Thala	87.51 305	eP	P	04 54 31.4 +2.6
SBA	Scott Base	87.64 169	eP	P	04 54 30.9 +2.6
BFO	Black Forest	87.69 318	eP	P	04 54 29.4 +0.1
BFO	Black Forest	87.69 318	eP	P	04 54 29.4 +0.1
ECH	Echery	88.48 318	eP	P	04 54 33.7 +0.7
ECH	Echery	88.48 318	eP	P	04 54 33.7 +0.7
BNF	Baronecchia	88.88 315	eP	P	04 54 38.4 +3.3
WLF	Walferdange	89.10 319	eP	P	04 54 36.8 +1.0
WLF	Walferdange	89.10 319	eP	P	04 54 37.6 +1.7
WLF	Walferdange	89.10 319	eP	P	04 54 37.6 +1.7
BCLA	Bembach	89.17 320	eP	P	04 54 36.5 +0.4
DOU	Dourbes	90.08 320	eP	P	04 54 41.1 +0.6
NVL	Nizarevskaya	90.10 199	eS	SKSac	05 05 09.7 +0.4
SNF	Senefelle	90.27 320	eP	P	04 54 42.4 +1.1
TAM	Tamanrasset	90.61 293	eP	P	04 54 46.1 +2.4
TAM	Tamanrasset	90.61 293	eP	P	04 54 46.1 +2.4
QSPA	South Pole Qui	91.83 180	P	P	04 54 47.4 -0.9
QSPA	South Pole Qui	91.83 180	eP	P	04 54 49.0 +0.6
ESK	Esksdalemur	94.25 326	eP	P	04 54 59.6 0.0
ESK	Esksdalemur	94.25 326	eP	P	04 54 59.6 0.0
ESK	Esksdalemur	94.25 326	eP	P	04 54 59.6 0.0
TOAD	Torodi Ar. Sit	94.71 283	eP	P	04 55 03.6 +1.1
TORD	Torodi Ar. Bea	94.71 283	eP	P	04 55 03.3 +0.8
TORD	Torodi Ar. Bea	94.71 283	eP	P	04 55 03.3 +0.8
TOLK	Toolik Lake Re	96.62 20	P	P	04 55 10.1 -0.1
ESDC	Sonsecia Array	97.21 310	LR	LR	05 42 01.9
PAB	San Pablo	97.52 310	PFAKE	LR	04 55 30.0 +1.5
MLY	Manley	97.54 25	eP	P	04 55 14.5 +0.1
CAS	Castle Rocks	97.56 25	eP	P	04 55 15.0 +0.4
BPWA	Bear Paw Mtn.	97.78 24	eP	P	04 55 15.6 +0.1
MDT	Middelt	98.70 303	LR	LR	05 46 08.4
COLA	College	98.74 23	eP	P	04 55 19.7 0.0
COLA	College	98.74 23	eP	P	04 55 19.7 0.0
MCK	McKinley	98.75 24	eP	P	04 55 19.8 -0.1
MCK	McKinley	98.75 24	eP	P	04 55 19.8 -0.1
ILAR	Eitelson Array	99.18 23	P	P	04 59 24.3 +0.3
ILAR	Eitelson Array	99.18 23	P	P	04 59 24.3 +0.3
ILAR	Eitelson Array	99.18 23	P	P	04 59 24.3 +0.3
KDAK	Kodiak Island	99.17 31	PFAKE	LR	04 55 30.0 +8.2
EGAK	Eagle	101.33 22	PFAKE	LR	04 55 40.0 +8.7
SFJD	Kangerlussuaq	107.55 347	PFAKE	LR	05 00 20.0
WRAK	Wrangell Island	109.56 27	PFAKE	LR	05 00 20.0
TBI	Tubuai	112.35 114	eLR	LR	05 03 51.6
PPT2	Papeete	112.91 108	eLR	LR	05 04 08.0
NLWA	Neilton Lookou	119.32 31	PFAKE	LR	05 00 40.0 +1.0
B05A	Bryant	119.61 29	P	PKPdf	05 00 30.0 -0.5
D03D	Eldon	119.62 30	P	PKPdf	05 00 30.6 0.0
E04D	Cinebar	120.54 31	P	PKPdf	05 00 33.0 +0.7
FFC	Flin Flon	121.44 13	ePKPdf	MLR	05 00 33.2 -0.6
FFC	Flin Flon	121.44 13	ePKPdf	MLR	05 00 33.2 -0.6
H04D	Lebanon	121.81 33	P	PKPdf	05 00 35.1 +0.3
NEW	Newport	121.92 26	PFAKE	LR	05 00 50.0 +1.5
NEW	Newport	121.92 26	P	PKPdf	05 00 35.0 0.0
I03D	Drain, OR	122.02 34	P	PKPdf	05 00 35.4 +0.1
J01D	Myrtle Point	122.03 34	P	PKPdf	05 00 35.4 +0.1
HAWA	Hanford	122.17 29	PFAKE	LR	05 00 50.0 +1.5
TAOE	Nuku Hiva Isla	122.77 99	eLR	LR	05 38 48.6
J04D	Umpqua Nationa	123.00 33	P	PKPdf	05 00 37.5 +0.1
PINE	Pine Mountain	123.26 32	ePKPdf	MLR	05 00 39.0 +1.1
J05D	Fort Rock, OR	123.45 33	P	PKPdf	05 00 38.7 +0.5
L04D	Klamath Falls	123.56 34	P	PKPdf	05 00 38.6 +0.1
F10A	Beach Ranch, E	123.58 28	ePKPdf	PKPdf	05 00 38.6 +0.3
M02C	Callahan	123.78 35	P	PKPdf	05 00 39.0 +0.2
M04C	Macdoel	124.11 34	P	PKPdf	05 00 39.6 +0.1

N02D	Trinity Center	124.13 36	P	PKPdf	05 00 39.7 +0.2
J08A	Circle Bar Ran	124.85 31	ePKPdf	PKPdf	05 00 41.5 +0.7
MOD	Modoc Plateau	124.88 33	ePKPdf	PKPdf	05 00 41.4 +0.4
O03D	Paynes Creek	125.09 36	P	PKPdf	05 00 40.9 -0.5
EGMT	Eagleton	125.10 22	ePKPdf	LR	05 00 40.9 -0.2
EGMT	Eagleton	125.10 22	P	PKPdf	05 00 41.1 -0.1
WVOR	Wild Horse Val	125.42 32	PFAKE	LR	05 00 50.0 +8.0
RKT	Rika	125.45 117	eLR	LR	05 39 57.0
DLMT	Dillon	126.13 26	ePKPdf	PKPdf	05 00 43.1 -0.2
MFID	Camas Ranch	126.14 29	ePKPdf	PKPdf	05 00 44.2 +0.9
BEKR	Beckworth	126.21 35	ePKPdf	PKPdf	05 00 44.1 +0.4
BOZ	Bozeman (W)	126.35 25	ePKPdf	LR	05 00 43.0 -0.6
BOZ	Bozeman (W)	126.35 25	ePKIKP	MLR	05 00 43.1 -0.6
BOZ	Bozeman (W)	126.35 25	P	PKPdf	05 00 43.8 0.0
AFDM	Forest Hills D	126.45 37	ePKPdf	PKPdf	05 00 44.6 +0.7
DGMT	Dagmar	126.57 17	PFAKE	LR	05 01 00.0 +1.6
DGMT	Dagmar	126.57 17	P	PKPdf	05 00 44.0 +0.1
HLID	Hailey	126.71 28	ePKPdf	LR	05 00 45.5 +1.0
HLID	Hailey	126.71 28	P	PKPdf	05 00 45.2 +0.7
ULM	Lac du Bonnet	126.90 10	PKP	PKPdf	05 00 44.0 -0.4
VCNR	Virginia City	127.00 35	ePKPdf	PKPdf	05 00 44.9 -0.3
YHB	Horse Butte	127.22 25	ePKPdf	PKPdf	05 00 46.4 +0.9
YMR	Madison River	127.38 25	ePKPdf	PKPdf	05 00 47.1 +1.3
LAO	LASA Array	127.49 20	P	PKPdf	05 00 45.5 -0.2
LAO	LASA Array	127.49 20	P	PKPdf	05 00 46.4 +0.7
LKWY	Lake	127.70 25	PFAKE	LR	05 01 00.0 +1.4
RLMT	Red Lodge	127.70 23	PFAKE	LR	05 01 00.0 +1.4
RLMT	Red Lodge	127.70 23	P	PKPdf	05 00 46.8 +0.4
KVN	Kaiserville	128.05 35	ePKPdf	PKPdf	05 00 48.0 +0.8
KVN	Kaiserville	128.05 35	ePKIKP	PKPdf	05 00 48.0 +0.8
FXWY	Fox Creek	128.18 26	ePKPdf	PKPdf	05 00 48.2 +0.8
A33A	Warroad	128.25 10	P	PKPdf	05 00 46.9 -0.1
NV01	Mina Array Sit	128.36 35	ePKPdf	PKPdf	05 00 48.0 +0.1
NVAR	Mina Array Bea	128.36 35	ePKPdf	PKPdf	05 00 48.5 +0.7
LOHW	Long Hollow	128.39 25	ePKPdf	PKPdf	05 00 48.6 +0.9
SNOW	Snow King Mtn	128.44 26	ePKPdf	PKPdf	05 00 49.2 +1.3
NV11	Mina Array Sit	128.44 35	ePKPdf	PKPdf	05 00 49.1 +1.2
REDW	Red Top Meadow	128.48 26	ePKPdf	PKPdf	05 00 48.1 +0.2
AHID	Auburn Hatcher	128.85 26	PFAKE	LR	05 01 00.0 +1.1
HVU	Hansel Valley	128.85 28	ePKPdf	PKPdf	05 00 49.4 +0.8
HVU	Hansel Valley	128.85 28	ePKIKP	PKPdf	05 00 49.4 +0.8
BGJL	Big Gassy Mou	128.38 29	ePKPdf	PKPdf	05 00 51.2 +1.2
BW06	Boulder Array	129.52 25	ePKPdf	PKPdf	05 00 50.2 +0.3
BW06	Boulder Array	129.52 25	P	PKPdf	05 00 49.9 0.0
PD31	Pinedale Array	129.52 25	ePKPdf	PKPdf	05 00 50.2 +0.2
PDAR	Pinedale Array	129.52 25	PKP	PKPdf	05 00 49.1 -0.8
PDAR	Pinedale Array	129.52 25	PKP	PKPdf	05 02 56.3 -2.6
HWUT	Hardware Ranch	129.56 28	ePKPdf	LR	05 00 49.7 -0.3
HWUT	Hardware Ranch	129.56 28	ePKPdf	LR	05 00 49.7 -0.3
EYMN	Ely	129.82 7	PFAKE	LR	05 01 00.0 +1.0
R11A	Troy Canyon, C	129.95 33	ePKPdf	PKPdf	05 00 51.5 +0.7
R11A	Troy Canyon, C	129.95 33	P	PKPdf	05 00 51.9 +1.1
DUG	Dugway, Tooele	130.04 30	ePKPdf	LR	05 00 51.5 +0.7
DUG	Dugway, Tooele	130.04 30	ePKIKP	MLR	05 00 51.6 +0.7
DUG	Dugway, Tooele	130.04 30	P	PKPdf	05 00 51.9 +1.0
MPMC	Manual Prosac	130.47 37	P	PKPdf	05 00 52.0 +0.1
RSSD	Black Hills	130.49 20	P	PKPdf	05 00 51.6 -0.1
FURC	Furnace Creek	130.53 36	P	PKPdf	05 00 52.4 +0.7
PSUT	Pine Spring	130.75 32	ePKPdf	PKPdf	05 00 54.2 +1.8
K22A	Casper	130.85 23	P	PKPdf	05 00 52.5 +0.1
EDW2	Edwards Air Fo	130.90 39	P	PKPdf	05 00 53.3 +0.8
SHOC	Shoshone, Teco	131.26 36	P	PKPdf	05 00 54.3 +1.1
E39A	Mellen	131.48 7	P	PKPdf	05 00 53.5 +0.2
PKME	Peaks-Kenny Pk	131.49 347	PFAKE	LR	05 01 10.0 +1.7
EM04	Wakefield	131.49 6	P	PKPdf	05 00 53.6 +0.3
T40T	Tait Mountain	131.53 29	ePKPdf	PKPdf	05 00 55.0 +1.0
MSU	Marysville	131.64 31	ePKPdf	PKPdf	05 00 56.0 +1.9
F38A	Pierce - Schro	131.72 8	P	PKPdf	05 00 53.8 +0.1
P18A	Preson Nutter	131.73 28	ePKPdf	PKPdf	05 00 55.9 +1.5
COWI	Conover	131.91 6	PFAKE	LR	05 01 10.0 +1.6
F40A	Park Falls	131.98 7	P	PKPdf	05 00 53.6 -0.6
SRU	San Rafael Swe	132.00 29	ePKPdf	PKPdf	05 00 55.9 +1.2
SRU	San Rafael Swe	132.00 29	ePKIKP	PKPdf	05 00 55.9 +1.2
LCMT	Little Creek M	132.20 33	ePKPdf	PKPdf	05 00 56.9 +1.8
O20A	White River Ci	132.24 26	ePKPdf	PKPdf	05 00 55.0 -0.1
O20A	White River Ci	132.24 26	P	PKPdf	05 00 55.4 +0.3
PKCU	Pink Cliffs	132.38 32	ePKPdf	PKPdf	05 00 57.3 +1.7
G40A	Rib Lake	132.62 7	P	PKPdf	05 00 55.5 +0.1
PFO	Pinyon Flats O	132.69 39	PFAKE	LR	05 01 10.0 +1.4
PFO	Pinyon Flats O	132.69 39	P	PKPdf	05 00 56.4 +0.3
ECSD	EROS Data Cent	132.97 13	ePKPdf	LR	05 00 56.8 +0.6
ECSD	EROS Data Cent	132.97 13	P	PKPdf	05 00 56.5 +0.4
H39A	Augusta	133.05 8	P	PKPdf	05 00 56.4 +0.2
LONY	Lake Ozonia	133.08 352	PFAKE	LR	05 01 10.0 +1.4
LONY	Lake Ozonia	133.08 352	P	PKPdf	05 00 56.5 +0.2
U15A	North Rim	133.15 33	ePKPdf	PKPdf	05 00 58.4 +1.3
W13A	Paradox Valley	133.15 38	ePKPdf	PKPdf	05 00 58.9 +1.9
W13A	Paradox Valley	133.15 38	ePKPdf	PKPdf	05 00 58.9 +1.9
H40A	Hualapai Mount	133.23 7	P	PKPdf	05 00 56.7 +0.1
PV22	Blue Mesa, Par	133.28 28	ePKPdf	PKPdf	05 00 58.7 +1.6
PV12	Lion Creek, Pa	133.30 28	ePKPdf	PKPdf	05 00 58.1 +0.8
I07A	Lemond, Waseca	133.36 10	P	PKPdf	05 00 56.7 -0.2

baz=346	Nyswonger Mesa	133.40 28	ePKPdf	PKPdf	05 00 59.2 +1.8
PV17	East Wray Mesa	133.41 28	ePKPdf	PKPdf	05 00 59.2 +1.8
PV11	David Mesa, Pa	133.43 28	ePKPdf	PKPdf	05 00 59.7 +2.3
PV12	Saucer Basin,	133.45 28	ePKPdf	PKPdf	05 00 58.4 +0.9
GLMI	Graying	133.47 2	PFAKE	LR	05 01 10.0 +1.3
GLMI	Graying	133.47 2	P	PKPdf	05 00 58.6 -0.2
PV02	Paradox Valley	133.57 28	ePKPdf	PKPdf	05 00 58.9 +1.2
PV13	Radium Mtn., P	133.57 28	ePKPdf	PKPdf	05 00 58.5 +0.7
ISCO	Idaho Springs	133.63 24	PFAKE	LR	05 01 10.0 +1.2
PV01	Paradox Valley	133.71 28	ePKPdf	PKPdf	05 00 58.5 +0.4
I39A	Houston	133.83 9	ePKPdf	PKPdf	05 00 58.1 +0.3
I39A	Houston	133.83 9	P	PKPdf	05 00 57.2 -0.5
J36A	Seneca 1, Swea	133.85 11	P	PKPdf	05 00 57.8 0.0
OGNE	Ogallala	133.98 20	PFAKE	LR	05 01 10.0 +1.2
OGNE	Ogallala	133.98 20	P	PKPdf	05 00 58.3 +0.1
J39A	Decorah	134.31 9	P	PKPdf	05 00 58.

Table with columns: ID, Name, Az, El, Dist, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like 550A Richmond, 140.61 2 P, PKPdf, 05 01 11.5 +1.1, etc.

Table with columns: ID, Name, Az, El, Dist, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like LRAL Lakeview Retre, 145.06 6 P, PKPbc, 05 01 16.9 -0.9, etc.

Table with columns: ID, Name, Az, El, Dist, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like ZAIG Zacatecas, 148.96 37 ePKPbc, PKPbc, 05 01 29.8 +0.2, etc.

NIED 10 04:45:00.38, 40N:141.70E, h8km, Mw3.6 Best double couple: M2.64000x10^14 NP1.0e317.00000, 872.00000, 7.1.00000. NP2.0e223.00000, 879.00000, 1.161.00000.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like JIO Ouri, 0.25 276 Op, ISC, 04 45 18.1 +0.2, etc.

JMA 10 05:11:59.7, 0.1, 24.46N, 122.42E, h85km, 2km, M2.3 TAP 10 05:11:59.4, 24.55N, 122.44E, h90km, ML3.1, C

ISCJB 10 05:12:00.0, 0.5, 24.56N, 104.122, 45E, 0.02, h81km, 5km, Error ellipse: s-maj=5.8km s-min=2.9km az=179.2

ISC 10 05:12:00.4, 1.4, 24.54N, 105.122, 45E, 0.02, h81km, 9km, n51, c078/84, Taiwan region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes entries like EOS1 EOS1, 0.29 272 Op, ISC, 05 12 13.0 +0.3, etc.

10d 7h

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

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like TPNV, TPNV, TPNV, TPNV, TPNV, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like OBN, BRVK, HHC, HHC, HHC, etc.

MAN 10 07:17:40.5, 7.64N: 126.99E, h2km, mb5.3, ML4.3, MS4.5
ISCJB 10 07:17:44.0, 6.07: 7.58N: 0.03: 126.90E: 0.05, h52km, 7km,
mb4.5/44, MS3.2/3, Error ellipse: s-maj=9.1km
s-min=4.2km az=174.5

NEIC 10 07:17:48.0, 1.0, 7.56N: 126.82E, h70km, mb4.6/41,
Error ellipse: s-maj=9.5km s-min=5.1km az=75.0
IDC 10 07:17:49.6, 2.1, 7.57N: 126.62E, h90km, mb3.9/8,
mb1.4/1.8, mb1mx3.6/65, mbtmp4.3/8, MS3.3/5, Ms1.3/3.5,
ms1mx2.9/54, Error ellipse: s-maj=36.2km s-min=13.7km
az=86.0

ISC 10 07:17:46.1, 1.1, 7.60N: 0.03: 126.88E: 0.07, h52km, 10km,
n123, e155/130, mb4.5/44, MS3.2/3, 4C-3D, Mindanao

Table with columns: Code, Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BIPH, BIPH, MATI, MATI, etc.

TXAR Lajitas Array 54.03 87 P P 07 59 38.6+5.2
ASAR Air Springs 88.78 228 P P 08 03 02.5 -0.1

NEIC 10 08:05:35.0,0.0,37.33N;118.39W,h14km,
ML3.5(NCEDC),After NCEDC.
NEIC Felt (I) at Bishop. Also felt at Shaver Lake.
ISC 10 08:05:35.1±0.8,37.32N;0.01:118.38W;0.02,h14km;7km,

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like POCCA Poletas Canyon, MCDM Chidago Canyon, SCHCA Scheelite, etc.

Table with columns: BEKR Beckworth, SBC Santa Barbara, MWC Mount Wilson, BFSC Mount Baldy Ra, BMN Battle Mountai, etc.

DDA 10 08:07:33.6,38.62N;40.39E,h7km,Ml2.8
ISC 10 08:07:34.2±0.6,38.60N;0.03:40.49E;0.06,h10km;6km,
Error ellipse: s-maj=7.9km s-min=5.5km az=7.4

ISK 10 08:07:34.0,38.59N;40.52E,h10km;3km,Ml1.6/7
ISC 10 08:07:34.1±1.0,38.60N;0.03:40.48E;0.05,h14km;9km,

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like HANI Hanyarbakir_Han, BGOL Bingol, BNGB Bing'li, etc.

CASC 10 08:47:16.2±1.4,11.44N;84.07W,h23km;6km,MD4.0,
ML3.1,3C-1D,Nicaragua

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like ESPN Las Esperanzas, ARE1 Arenal 1, MESS Mesas, etc.

MOS 10 09:01:16.2±1.2,12.13N;88.07W,h10km,m5.1/40,Error
ellipse: s-maj=11.8km s-min=5.2km az=111.9

IDC 10 09:01:16.1±0.5,12.18N;88.07W,h0km,m4.7/25,
mb1.4,8/28,mb1mx4.6/58,mbtm4.7/28,Ml3.8,MS3.9/27,
Ms1.3,9/27,ms1mx3.8/43,Error ellipse: s-maj=20.8km
s-min=9.9km az=49.0

ISCJBJ 10 09:01:19.4±0.2,12.20N;0.02:88.13W;0.02,h32km,
mb4.9/292,MS4.0/29,Error ellipse: s-maj=3.1km
s-min=1.8km az=39.7

CASC 10 09:01:19.3±1.6,11.97N;88.32W,h26km;16km,MD4.5,
ML2.2,m5.0(NEIC)

NEIC 10 09:01:20.9±0.2,12.08N;88.17W,m5.0/299,Error
ellipse: s-maj=3.6km s-min=2.4km az=213.0

ISC 10 09:01:20.2±0.5,12.10N;0.04:88.15W;0.03,h27km;3km,
n1050,±1930/1071,m5.0/293,MS4.0/29,10C-4D,Off
coast of central America

Table with columns: Code, Station Name, Δ, AZ, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, LCND La Ca-ada, etc.

Large table with columns: MOMN Momotombo, SNVI San Vicente, CAHU Cacahuatque, LFRS El Faro, LBRAS Las Brisas, etc.

646A	Port Sulphur	17.47	355	P	Pn	09 05 21.4	-0.5
SDV	Santo Domingo	17.51	99	P	Pn	09 05 22.8	-0.1
SDV	Santo Domingo	17.51	99	ePn	Pn	09 05 22.8	-0.1
757A	Oxford	17.69	18	P	Pn	09 05 23.5	-1.2
KVXT	Kingsville	17.88	331	ePn	P	09 05 28.1	+0.6
655A	Horseshoe Boac	17.91	14	P	Pn	09 05 25.7	-1.7
656A	Williston	17.96	16	ePn	P	09 05 28.7	+0.3
656A	Williston	17.96	16	P	Pn	09 05 26.5	-1.5
758A	Lake Helen	17.99	20	P	Pn	09 05 26.9	-1.4
544A	White Castle	18.14	352	P	Pn	09 05 30.3	+0.1
543A	St. Martinville	18.23	350	P	P	09 05 31.6	+0.3
553A	Crawfordville	18.33	10	P	P	09 05 32.0	-0.4
657A	Interlachen	18.35	18	P	P	09 05 31.9	-0.8
554A	Perry	18.37	12	P	P	09 05 32.1	-0.8
658A	Bunnell	18.39	19	P	P	09 05 31.9	-1.3
541A	Lake Charles	18.48	346	P	Pn	09 05 34.5	+0.2
451A	Vernon	18.56	7	P	Pn	09 05 35.8	+0.4
555A	McAlpin	18.57	14	eP	Pn	09 05 36.1	+0.6
555A	McAlpin	18.57	14	P	P	09 05 35.2	+0.1
449A	Pace	18.59	3	P	P	09 05 35.4	+0.1
556A	Lake Butler	18.59	16	P	P	09 05 35.7	+0.3
447A	Lucedale	18.61	359	eP	Pn	09 05 39.4	+3.4
447A	Lucedale	18.61	359	P	P	09 05 35.2	-0.4
446A	Poplarville	18.64	357	P	P	09 05 34.5	-1.4
445A	Amite	18.65	354	P	P	09 05 35.5	-0.5
450A	Crestview	18.67	4	P	P	09 05 35.8	-0.4
444A	Pine Grove	18.68	353	P	P	09 05 35.7	-0.7
448A	Bay Minette	18.74	1	P	P	09 05 36.9	-0.1
452A	Marianna	18.86	8	P	P	09 05 37.8	-0.5
443A	Delano Plantat	18.88	350	P	P	09 05 37.4	-1.1
442A	Mamou	18.94	349	P	P	09 05 38.4	-0.8
454A	Quitman	18.99	12	P	P	09 05 38.4	-1.3
453A	Whigham	19.00	10	eP	Pn	09 05 43.7	+3.1
453A	Whigham	19.00	10	P	P	09 05 39.4	-0.4
441A	Brewton	19.00	3	P	P	09 05 39.7	-0.2
BRAL	Ridder	19.14	347	P	P	09 05 39.0	-2.3
HKT	Hockley	19.14	339	eP	Pn	09 05 42.6	+0.3
HKT	Hockley	19.14	339	eP	Pn	09 05 42.6	+0.3
455A	Stateville	19.15	14	P	P	09 05 40.7	-0.8
349A	Repton	19.18	2	P	P	09 05 40.6	-1.2
345A	Thompson Farm,	19.20	355	P	P	09 05 41.9	-0.1
347A	Saraland	19.21	359	P	P	09 05 41.0	-1.1
348A	Jackson	19.22	1	eP	Pn	09 05 43.7	+0.4
348A	Jackson	19.22	1	P	P	09 05 41.5	-0.8
351A	Pinckard	19.23	7	P	P	09 05 41.3	-1.0
346A	Big Creek Wild	19.23	357	eP	Pn	09 05 44.8	+1.3
346A	Big Creek Wild	19.23	357	P	P	09 05 42.3	-0.1
833A	Chaparral WMA,	19.26	329	eP	Pn	09 05 43.4	-0.4
833A	Chaparral WMA,	19.26	329	P	P	09 05 42.5	-0.3
350A	Dozier	19.30	5	P	P	09 05 42.7	-0.4
456A	Hilliard	19.38	16	P	P	09 05 44.6	+0.5
456A	Hilliard	19.38	16	P	P	09 05 42.8	-1.2
344A	Westbrook Farm	19.41	353	eP	Pn	09 05 47.6	+2.0
344A	Westbrook Farm	19.41	353	P	P	09 05 43.4	-0.9
457A	Yulee	19.42	17	P	P	09 05 43.1	-1.3
353A	Camilla	19.50	10	P	P	09 05 44.2	-1.1
352A	Blakely	19.52	8	eP	Pn	09 05 48.5	+1.7
352A	Blakely	19.52	8	P	P	09 05 44.6	-0.9
342A	Flagon Creek P	19.57	349	eP	Pn	09 05 48.9	+1.4
342A	Flagon Creek P	19.57	349	P	P	09 05 44.4	-1.6
341A	Kurthwood	19.70	347	eP	P	09 05 48.2	+0.8
341A	Kurthwood	19.70	347	P	P	09 05 46.8	-0.6
TIGA	Trifton	19.70	12	eP	Pn	09 05 50.2	+1.2
TIGA	Trifton	19.70	12	P	P	09 05 47.3	-0.2
555A	Pearson	19.77	14	P	P	09 05 48.3	+0.1
249A	Camden	19.80	3	P	P	09 05 47.9	-0.7
246A	Jackson Lee, B	19.84	358	P	P	09 05 49.6	+0.6
250A	Grady	19.86	5	eP	Pn	09 05 50.2	-0.7
250A	Grady	19.86	5	P	P	09 05 49.2	-0.1
247A	Quitman	19.86	359	P	P	09 05 50.0	+0.7
245A	Little A.P. Sta	19.90	356	P	Pn	09 05 50.8	-0.7
248A	Dixon Mills	19.90	1	P	P	09 05 50.0	+0.3
356A	Blackshear	19.93	15	P	P	09 05 50.6	+0.6
243A	Waterproof	19.93	352	P	Pn	09 05 51.6	-0.1
244A	Avery, Jackson	19.99	354	P	Pn	09 05 52.9	+0.5
252A	Lumpkin	20.05	8	P	Pn	09 05 53.0	-0.2
251A	Midway	20.06	7	P	P	09 05 53.0	-0.3
VBMS	Vicksburg	20.14	354	eP	Pn	09 05 55.1	+0.8
VBMS	Vicksburg	20.14	354	P	Pn	09 05 54.4	+0.1
357A	Townsend	20.19	17	P	P	09 05 53.0	+0.2
242A	Grayson	20.21	350	P	Pn	09 05 54.2	-0.8
253A	Americus	20.21	10	eP	P	09 05 53.9	+0.8
253A	Americus	20.21	10	P	P	09 05 53.7	+0.6

254A	Abbeville	20.25	12	eP	Pn	09 05 55.4	-0.2
241A	Mo Tay, Golden	20.31	348	eP	Pn	09 05 56.6	+0.4
241A	Mo Tay, Golden	20.31	348	P	Pn	09 05 55.8	-0.5
255A	Hazlehurst	20.41	14	eP	Pn	09 05 57.6	+0.1
255A	Hazlehurst	20.41	14	P	Pn	09 05 56.6	-0.8
149A	Jones	20.44	3	P	P	09 05 57.0	-0.8
146A	Union	20.46	358	eP	Pn	09 05 58.3	+0.3
146A	Union	20.46	358	P	P	09 05 56.9	+1.1
148A	Brensboro	20.46	1	P	Pn	09 05 57.0	-1.0
NATX	Nacogdoches	20.47	344	eP	Pn	09 05 57.5	-0.7
NATX	Nacogdoches	20.47	344	P	P	09 05 56.8	+0.9
145A	Houston Renfro	20.47	356	P	P	09 05 56.7	+0.8
147A	Livingston	20.48	360	eP	Pn	09 05 58.1	-0.1
147A	Livingston	20.48	360	P	Pn	09 05 57.5	-0.7
151A	Opelika	20.50	7	P	Pn	09 05 57.8	-0.7
150A	Geletic	20.50	5	P	P	09 05 57.8	-0.8
240A	Hunter Patters	20.51	346	eP	Pn	09 05 58.2	-0.3
240A	Hunter Patters	20.51	346	P	P	09 05 56.3	0.0
144A	Alexander Plac	20.54	355	P	P	09 05 57.4	+0.7
435B	Jarrell	20.54	336	eP	P	09 05 56.6	-0.1
435B	Jarrell	20.54	336	P	P	09 05 56.4	-0.3
256A	Glennville	20.61	15	P	P	09 05 58.1	+0.8
142A	Monroe	20.65	351	P	P	09 05 58.2	+0.4
152A	Waverly Hall	20.71	8	eP	Pn	09 06 00.9	-0.1
152A	Waverly Hall	20.71	8	P	P	09 05 58.6	+0.1
143A	Socs Landing,	20.72	352	eP	Pn	09 06 00.5	-0.6
143A	Socs Landing,	20.72	352	P	P	09 05 58.4	-0.2
153A	Fort Valley	20.84	10	P	P	09 05 60.0	+0.2
LRAL	Lakeview Retre	20.86	3	eP	Pn	09 06 02.1	-0.6
LRAL	Lakeview Retre	20.86	3	P	Pn	09 06 01.7	-1.0
141A	Papa Simpson,	20.87	349	P	P	09 06 01.5	+1.3
154A	Montrose	20.94	12	eP	Pn	09 06 03.0	-0.6
154A	Montrose	20.94	12	P	P	09 06 01.5	+0.7
Z47A	Carrollton	21.00	0	P	P	09 06 02.5	+0.9
Z46A	Louisville	21.01	358	P	P	09 06 02.4	+0.7
140A	Cam and Jess,	21.04	347	eP	P	09 06 04.2	+2.1
140A	Cam and Jess,	21.04	347	P	P	09 06 03.6	+1.5
Z49A	Columbiana	21.05	4	P	P	09 06 03.4	+1.3
155A	Kite	21.08	13	P	P	09 06 04.4	+0.9
Z50A	Ashland	21.16	5	eP	P	09 06 05.0	+1.7
Z50A	Ashland	21.16	5	P	P	09 06 04.2	+0.9
Z44A	Pea Ridge, Bel	21.18	355	P	P	09 06 04.1	+0.5
Z48A	Northport	21.19	1	P	P	09 06 03.8	+0.2
Z43A	Armstrong Fami	21.20	353	P	P	09 06 04.3	+0.5
Z45A	Winona	21.22	356	eP	P	09 06 05.9	+2.0
Z45A	Winona	21.22	356	P	P	09 06 04.6	+0.6
JCT	Junction City	21.24	331	eP	P	09 06 03.6	-0.7
JCT	Junction City	21.24	331	eP	P	09 06 03.6	-0.7
JCT	Junction City	21.24	331	eP	P	09 06 03.4	-0.8
Z52A	Williamson	21.27	9	P	P	09 06 04.2	-0.4
Z51A	Franklin	21.29	7	P	P	09 06 05.0	+0.2
156A	Sylvania	21.35	16	P	P	09 06 05.8	+0.4
Z42A	Norrel Spur, H	21.36	351	P	P	09 06 06.2	+0.8
Z41A	Richland Creek	21.49	349	eP	P	09 06 07.8	+1.0
Z53A	Moncello	21.50	11	P	P	09 06 07.9	+1.0
WHTX	Lake Whitney,	21.57	338	eP	P	09 06 07.6	-0.2
WHTX	Lake Whitney,	21.57	338	P	P	09 06 07.0	-0.8
Z54A	Sparta	21.59	12	P	P	09 06 07.8	-0.2
Z40A	Long Farm, Mag	21.60	348	P	P	09 06 09.2	+1.1
GOGA	Godfrey	21.64	11	eP	P	09 06 10.3	+1.8
GOGA	Godfrey	21.64	11	eP	P	09 06 10.3	+1.8
Y46A	Houston	21.69	358	P	P	09 06 09.8	+0.7
Y45A	Yeager Farm, C	21.70	357	P	P	09 06 09.7	+0.5
Y47A	UCPARC, Winfie	21.71	1	P	P	09 06 10.0	+0.8
Y49A	Blount Mountai	21.72	4	eP	P	09 06 10.7	+1.3
Y49A	Blount Mountai	21.72	4	P	P	09 06 09.2	-0.2
Y48A	Jasper	21.73	2	P	P	09 06 09.8	+0.3
255A	Blythe	21.73	14	P	P	09 06 10.5	+1.0
Y50A	Piedmont	21.80	5	P	P	09 06 09.7	-0.5
Y44A	Strider, Charl	21.84	355	P	P	09 06 09.6	-1.1
Y43A	Makayla and Ka	21.86	354	P	P	09 06 10.9	+0.1
Y51A	Rockmart	21.88	7	P	P	09 06 12.1	+1.0
Y42A	Garnett, Star	21.89	352	P	P	09 06 11.3	+0.2
CCAR	Cane Creek	21.97	352	eP	P	09 06 13.8	+1.8
Y52A	Liburn	21.98	9	eP	P	09 06 13.9	+1.7
Y52A	Liburn	21.98	9	P	P	09 06 12.6	+0.4
SJG	San Juan	22.05	72	P	P	09 06 14.3	+0.4
SJG	San Juan	22.05	72	eP	P	09 06 14.3	+1.3
SJG	San Juan	22.05	72	eP	P	09 06 14.3	+1.3
Y53A	Monroe	22.05	10	P	P	09 06 13.3	+0.4

Y41A	Eagletee Beard	22.06	350	P	P	09 05 13.6	+0.6
HPIG	New Hope	22.10	314	eP	P	09 06 14.2	+0.4
NHSC	New Hope	22.15	18	P	P	09 06 13.9	0.0
Y54A	Tignall	22.23	12	P	P	09 06 16.0	+1.1
X45A	UM Field Stati	22.25	357	P	P	09 06 15.6	+0.6
X48A	Hartselle	22.27	2	eP	P	09 06 15.9	+0.6
X48A	Hartselle	22.27	2	P	P	09 0	

TKL	comp=Z,155nm,20.2s Tuckaleechee C comp=Z,190nm,1.1s	23.79	9	eP	P	09 06 31.5	+0.8
GNAR	Gosnell comp=Z,34nm,1.2s	23.82	356	eP	P	09 06 31.5	+0.5
V51A	Loudon comp=Z,64nm,1.3s	23.85	8	eP	P	09 06 31.9	+0.6
V51A	Loudon baz=189,SNR=9.7	23.85	8	P	P	09 06 30.5	-0.8
V41A	Mountainview baz=170,SNR=44	23.86	352	P	P	09 06 30.9	-0.5
WVT	Waverly comp=Z,34nm,1.1s	23.93	1	eP	P	09 06 31.1	-0.9
WVT	Waverly comp=Z,34nm,1.1s	23.93	1	eP	P	09 06 31.1	-0.9
WVT	Waverly baz=181	23.93	1	P	P	09 06 30.8	-1.2
V53A	Saluda comp=Z,80nm,1.1s	23.96	11	eP	P	09 06 33.1	+0.7
V53A	Saluda baz=193,SNR=29	23.96	11	P	P	09 06 31.8	-0.6
V40A	Witts Springs comp=Z,94nm,0.8s	23.98	351	eP	P	09 06 32.4	-0.1
V40A	Witts Springs baz=169,SNR=71	23.98	351	P	P	09 06 32.2	-0.3
V52A	Sevierville comp=Z,116nm,1.1s	23.99	9	eP	P	09 06 33.3	+0.6
V52A	Sevierville baz=191,SNR=31	23.99	9	P	P	09 06 32.5	-0.2
U45A	Rockin P Farm, baz=179	24.15	359	P	P	09 06 33.0	-1.1
V39A	Pettigrew baz=167,SNR=88	24.15	349	P	P	09 06 33.7	-0.5
U46A	Springville baz=180,SNR=27	24.16	360	P	P	09 06 33.0	-1.1
U46A	Burton Farm, H baz=177	24.16	358	P	P	09 06 33.3	-0.8
LPIG	La Paz comp=Z,460nm,18.5s	24.17	303	LR	LR	09 16 51.5	
U47A	Clarksville baz=182,SNR=24	24.25	2	P	P	09 06 33.4	-1.6
U43A	Rector baz=175,SNR=13	24.25	356	P	P	09 06 33.8	-1.2
U42A	Reverend baz=173,SNR=20	24.31	354	P	P	09 06 34.7	-0.8
U44A	Portageville baz=176	24.34	357	P	P	09 06 35.2	-0.6
U48A	Cassie Pea, Po baz=184,SNR=8.6	24.35	3	P	P	09 06 34.8	-1.1
U41A	Viola baz=171,SNR=12	24.38	353	P	P	09 06 35.2	-1.0
U50A	Reddostown baz=183,SNR=18	24.39	6	P	P	09 06 36.0	-0.3
U49A	Rest Boiling Sp baz=186,SNR=27	24.40	5	P	P	09 06 35.4	-1.0
U51A	La Follette baz=190,SNR=0.8s	24.46	8	P	P	09 06 36.7	-0.2
PARMO	Parma comp=Z,90nm,0.16s	24.50	357	eP	P	09 06 37.8	+0.5
U40A	Yellville baz=169,SNR=158	24.52	351	P	P	09 06 37.0	-0.5
WMOK	Wichita Mounta comp=Z,109nm,1.2s	24.52	339	eP	P	09 06 37.1	-0.5
WMOK	Wichita Mounta comp=Z,109nm,1.2s	24.52	339	eP	P	09 06 37.1	-0.5
WMOK	Wichita Mounta comp=Z,109nm,1.2s	24.52	339	eP	P	09 06 36.5	-1.1
WMOK	Wichita Mounta baz=154,SNR=20	24.52	339	eP	P	09 06 36.5	-1.1
U52A	Thorn Hill baz=191,SNR=9.0	24.57	9	P	P	09 06 38.0	0.0
HHAR	Hobbs comp=Z,77nm,1.0s	24.64	349	eP	P	09 06 38.4	-0.2
U39A	Green Forest baz=168,SNR=78	24.65	350	P	P	09 06 38.2	-0.5
PBMO	Poplar Bluff comp=Z,45nm,0.9s	24.66	356	eP	P	09 06 37.9	-0.9
U53A	Fall Branch baz=193,SNR=21	24.68	11	P	P	09 06 39.0	+0.1
TZTN	Tazewell comp=Z,49nm,1.1s	24.69	9	eP	P	09 06 39.5	+0.4
TZTN	Tazewell baz=191	24.69	9	P	P	09 06 38.0	-1.0
TUL1	Leonard comp=Z,123nm,1.1s	24.69	345	eP	P	09 06 38.5	-0.5
TUL1	Leonard baz=162,SNR=32	24.69	345	P	P	09 06 37.9	-1.2
T47A	Sharon Grove comp=Z,80nm,0.9s	24.80	2	eP	P	09 06 39.5	-0.4
T47A	Sharon Grove baz=182,SNR=32	24.80	2	P	P	09 06 39.0	-1.0
T45A	Paducah comp=Z,71nm,0.7s	24.82	359	eP	P	09 06 40.0	-0.2
T45A	Paducah baz=179	24.82	359	P	P	09 06 39.1	-1.0
T46A	Princeton baz=181,SNR=28	24.84	20	eP	P	09 06 39.1	-1.2
CNNC	Cliffs of the comp=Z,36nm,0.8s	24.84	20	eP	P	09 06 39.4	-1.0
CNNC	Cliffs of the comp=Z,36nm,0.8s	24.84	20	eP	P	09 06 48.9	+0.6
T44A	Benton baz=177,SNR=14	24.91	357	P	P	09 06 39.9	-1.1
GDL2	Guadalupe Moun baz=172,SNR=26	24.95	326	eP	P	09 06 42.6	+1.0
T43A	Greenville baz=175,SNR=27	24.95	356	P	P	09 06 40.2	-1.1
T48A	Bowling Green baz=184,SNR=5.7	24.95	3	P	P	09 06 40.4	-1.0
T42A	Van Buren comp=Z,39nm,0.8s	24.96	354	eP	P	09 06 40.8	-0.7
T42A	Van Buren baz=173,SNR=24	24.96	354	P	P	09 06 40.1	-1.4
T50A	Nancy baz=188	24.99	6	P	P	09 06 40.7	-1.0
T49A	Edmonton comp=Z,41nm,1.0s	25.01	5	eP	P	09 06 41.8	-0.1
T49A	Edmonton baz=186,SNR=19	25.01	5	P	P	09 06 40.8	-1.1
NCAT	North Carolina comp=Z,50nm,1.2s	25.05	16	eP	P	09 06 43.0	+0.8
T51A	Gray baz=190,SNR=12	25.05	8	P	P	09 06 41.5	-0.7
T41A	Mountain View baz=172,SNR=26	25.05	353	P	P	09 06 41.3	-0.9
MNTX	Cornudas Mount comp=Z,46nm,1.3s	25.15	324	eP	P	09 06 42.7	-0.6
MNTX	Cornudas Mount baz=137,SNR=40	25.15	324	P	P	09 06 42.3	-1.0
T39A	Cleavel baz=168,SNR=50	25.26	350	P	P	09 06 43.7	-0.5
T52A	Hallie baz=192	25.33	10	P	P	09 06 43.7	-1.1
S47A	Hartford baz=183	25.41	2	P	P	09 06 44.1	-1.4
S43A	Fulton Ridge, baz=176,SNR=17	25.42	356	P	P	09 06 44.4	-1.2
T38A	Diamond baz=166,SNR=94	25.44	348	P	P	09 06 44.9	-0.9
S45A	Carrier Mills baz=179	25.47	359	P	P	09 06 44.4	-1.7
S46A	Don Dixon Farm baz=181,SNR=8.0	25.48	1	P	P	09 06 44.8	-1.4
S44A	Corbandale baz=178,SNR=11	25.51	358	P	P	09 06 44.8	-0.6
S48A	Wiedeman Farm, baz=185	25.52	4	P	P	09 06 45.2	-1.3
SIUC	Southern Illin comp=Z,82nm,1.1s	25.53	358	eP	P	09 06 46.3	-0.2
MSTX	Muleshoe comp=Z,246nm,1.5s	25.53	331	eP	P	09 06 46.2	-0.6
MSTX	Muleshoe baz=145,SNR=54	25.53	331	P	P	09 10 19.4	+1.4
MSTX	Muleshoe baz=145,SNR=54	25.53	331	P	P	09 06 45.7	-1.1
S41A	Jillico Farms, baz=172,SNR=29	25.59	353	P	P	09 06 46.2	-0.9
S42A	Caledonia baz=174,SNR=10	25.67	355	P	P	09 06 46.2	-1.7
S40A	Lebanon baz=170,SNR=40	25.69	352	P	P	09 06 46.8	-1.2
S50A	Richmond baz=188	25.69	7	P	P	09 06 47.4	-0.7
S49A	Springfield baz=186,SNR=5.4	25.71	5	P	P	09 06 47.4	-0.8
S51A	Beattyville comp=Z,43nm,1.3s	25.76	8	eP	P	09 06 48.9	+0.2
S51A	Beattyville baz=190,SNR=5.1	25.76	8	P	P	09 06 48.1	-0.6
USIN	University of comp=Z,41nm,0.9s	25.76	1	eP	P	09 06 48.3	-0.4
AMTX	Amarillo comp=Z,212nm,1.0s	25.80	334	eP	P	09 06 49.0	-0.2
AMTX	Amarillo baz=148	25.80	334	P	P	09 06 48.7	-0.5
FVM	French Village comp=Z,9.5nm,0.8s	25.86	356	eP	P	09 06 50.0	+0.4
FVM	French Village comp=Z,10.0nm,0.8s	25.86	356	eP	P	09 06 50.0	+0.4
S52A	Galvestone baz=191,SNR=5.8	25.87	9	P	P	09 06 49.0	-0.7
S39A	Bolivar comp=Z,133nm,0.8s	25.90	351	eP	P	09 06 49.5	-0.5
S39A	Bolivar baz=168,SNR=113	25.90	351	P	P	09 06 49.3	-0.7
S38A	Stockton comp=Z,2.9nm,1.4s	25.94	350	P	P	09 06 49.6	-0.8
BLA	Blacksburg comp=Z,120nm,1.4s	25.95	14	eP	P	09 06 51.4	+0.9
BLA	Blacksburg baz=197,SNR=9.3	25.95	14	P	P	09 06 50.4	-0.1
CCM	Cathedral Cave comp=Z,2.9nm,1.4s	26.00	354	eP	P	09 06 51.1	+0.2
CCM	Cathedral Cave baz=173	26.00	354	P	P	09 06 50.2	-0.7
R46A	Gibson Southern baz=182	26.01	1	P	P	09 06 49.9	-1.0
R44A	Waterville baz=178,SNR=12	26.05	358	P	P	09 06 50.4	-0.9
WCI	Wyandotte Cave comp=Z,45nm,0.8s	26.07	3	eP	P	09 06 51.0	-0.5
WCI	Wyandotte Cave comp=Z,45nm,0.8s	26.07	3	eP	P	09 06 51.0	-0.5
WCI	Wyandotte Cave baz=184	26.07	3	P	P	09 06 49.9	-1.6
R45A	Skyler Fairb baz=180,SNR=8.6	26.09	360	P	P	09 06 50.8	-0.8
R43A	Red Bud baz=176,SNR=12	26.12	357	P	P	09 06 51.1	-0.8
R47A	Wooly Knot Fa baz=184,SNR=7.7	26.13	3	P	P	09 06 50.8	-1.2
R42A	Luebbering baz=174	26.18	355	P	P	09 06 50.8	-1.7
R49A	Shelbyville baz=173,SNR=5.3	26.22	5	P	P	09 06 51.9	-1.0
R41A	Rosebud baz=173,SNR=36	26.25	354	P	P	09 06 52.0	-1.1
R48A	Northridge Ran baz=185	26.27	4	P	P	09 06 52.3	-1.0
R50A	Paris baz=188,SNR=5.7	26.30	7	P	P	09 06 52.5	-1.0
R40A	Maddies Statio comp=Z,59nm,0.9s	26.34	353	eP	P	09 06 53.1	-0.8
R40A	Maddies Statio baz=171,SNR=40	26.34	353	P	P	09 06 52.9	-1.0
R51A	Hillsboro baz=190,SNR=8.3	26.41	8	P	P	09 06 54.0	-0.6
NNA	Nana comp=Z,116nm,18.9s	26.43	154	LR	LR	09 15 49.1	
R39A	Chumby, Stover baz=169,SNR=69	26.47	351	P	P	09 06 54.1	-1.0
R38A	Fenwick Farm, baz=127,SNR=36	26.48	350	P	P	09 06 53.9	-1.3
OLIL	Olney comp=Z,38nm,0.8s	26.53	0	eP	P	09 06 55.3	-0.3
R52A	Cattlettsburg baz=182	26.59	10	P	P	09 06 54.7	-1.5
Q45A	Warren Harvey, baz=180,SNR=12	26.69	360	P	P	09 06 56.0	-1.0
Q44A	Meyer Farm, Va baz=176,SNR=13	26.71	358	P	P	09 06 56.2	-1.0
Q43A	New Douglas baz=177	26.77	357	P	P	09 06 56.1	-1.7
Q47A	Bedord North L baz=184,SNR=14	26.77	3	P	P	09 06 56.4	-1.4
Q48A	North Vernon baz=185,SNR=4	26.81	4	P	P	09 06 56.6	-1.5
Q46A	CEJHS Indians, baz=182	26.82	1	P	P	09 06 57.1	-1.1
Q41A	Truxton baz=173,SNR=8.3	26.89	355	P	P	09 06 58.0	-0.9
Q50A	Georgetown baz=189	26.89	7	P	P	09 06 57.7	-1.2
Q49A	Aurora baz=167,SNR=9.2	26.95	6	P	P	09 06 58.7	-0.8
BLO	Bloomington comp=Z,32nm,1.1s	27.00	3	eP	P	09 06 59.7	-0.2
BLO	Bloomington comp=Z,32nm,1.1s	27.00	3	eP	P	09 06 59.7	-0.2
Q40A	comp=Z,32nm,1.1s Laux Farm, Aux baz=172,SNR=16	27.01	353	P	P	09 06 58.7	-1.3

Table with columns: ID, Name, Azimuth, Elevation, Power, Status, Date, and other details. Rows include L49A Milan, L38A Oak Wood Farm, M54A Oil Creek Stat, etc.

Table with columns: ID, Name, Azimuth, Elevation, Power, Status, Date, and other details. Rows include I37A Lemond, Waseca, PV23 Carpenter Ridge, etc.

Table with columns: ID, Name, Azimuth, Elevation, Power, Status, Date, and other details. Rows include E41A Kenton, E40A Wakefield, FFD Franklin Falls, etc.

Table of station data for 10d 9h, including columns for call sign, name, frequency, and other parameters.

Table of station data for 2012 AUG, including columns for call sign, name, frequency, and other parameters.

Table of station data for the right side of the 2012 AUG section, including columns for call sign, name, frequency, and other parameters.

MEX 10 09:01:57.0.0.5, 17.57N<100.98W, h3km, MD3.6, 1C, Guerrero

Table of station data for MEX 10 09:01:57.0.0.5, including columns for code, station name, frequency, and other parameters.

LJU 10 09:12:11.2, 45.55N-15.39E, h6km, ML0.8, 1C, Northwestern Balkan Peninsula

Table of station data for LJU 10 09:12:11.2, including columns for code, station name, frequency, and other parameters.

HEL 10 09:26:59.1, 0.3, 67.69N, 34.14E, h0km, ML2.5, Explosion

Table of station data for HEL 10 09:26:59.1, including columns for code, station name, frequency, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSF Maaselka, SGF Sodankyl, RNF Rovaniemi, KEV Kevo, ARAO ARCESS Array S, etc.

ISCJB 10 09:31:59.6,0.5,37.26N,0.04,28.22E,0.04,h0km, Error ellipse: s-maj=6.2km s-min=3.5km az=44.2

DDA 10 09:31:59.6,37.23N,28.16E,h7km,Ml2.6,Suspected Mining explosion.

ISK 10 09:31:59.3,37.25N,28.21E,h12km,ML2.0/9

ISC 10 09:31:59.1,0.9,37.31N,0.05,28.25E,0.04,h0km,n14, #06120,Turkey

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

MEX 10 09:38:14.6,0.4,16.89N,100.28W,h17km,13km,MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAIG El Cayaco, ACAP Acapulco, etc.

ISCJB 10 09:52:10.5,1.0,67.79N,0.03,34.0E,0.1,h0km, Error ellipse: s-maj=7.8km s-min=4.8km az=7.9

HEL 10 09:52:11.2,0.3,67.73N,34.14E,h0km,ML2.5,Explosion

KOLA 10 09:52:12.5,67.66N,33.99E,h0km

NAO 10 09:52:14.8,1.9,67.61N,33.46E,ML2.9

ISC 10 09:52:12.0,1.8,67.67N,0.05,33.99E,0.09,h0km,n25, #130/43,Baltic States-Belarus-Northwestern Russia

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

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

IDC 10 10:32:56.9,2.0,1.41N,126.78E,h0km,mb4.1/4, mb1.4/1.4,mb1mx3.6/53,mbtmp4.1/4,Error ellipse: s-maj=227.2km s-min=23.8km az=69.0,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, SONM Songoing Array, etc.

ISCJB 10 10:34:51.7,0.8,50.00N,0.2,29.1W,0.2,h10km,mb3.8/6, MS3.2/9, Error ellipse: s-maj=24.2km s-min=14.0km

IDC 10 10:34:52.4,1.0,50.01N,29.07W,h0km,mb3.7/7, mb1.3/9,mb1mx3.5/76,mbtmp3.7/8,ML3.9/1,MS3.2/9, Ms1.3/2.9,ms1mx2.8/66, Error ellipse: s-maj=36.1km s-min=19.6km az=15.0

ISC 10 10:34:53.8,0.9,50.00N,0.2,29.1W,0.1,h10km,n16, #074/9,mb3.8/6,MS3.1/9,Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKA Eskdalemuir Ar, ESKA Sonseca Array, etc.

ISCJB 10 10:45:17.4,0.4,44.29N,0.02,17.98E,0.02,h3km,2km, Error ellipse: s-maj=3.2km s-min=1.8km az=41.6

LDG 10 10:45:18.6,0.1,44.28N,17.97E,h2km,ML3.2/7, Error ellipse: s-maj=5.0km s-min=2.9km az=20.0

PDG 10 10:45:18.6,0.4,44.30N,18.09E,h10km,ml,ML3.3/9, Error ellipse: s-maj=0.8km s-min=1.2km az=0.0

BE0 10 10:45:18.7,0.3,44.22N,17.90E,h11km,2km,ML3.1/6

PRU 10 10:45:18.7,0.3,44.27N,17.80E,h0km

ISC 10 10:45:18.1,1.0,44.24N,0.02,17.89E,0.02,h14km,8km, n97, #1943/165,13C-12D,Northern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DOB Doboj, BLY Banja Luka, etc.

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

NIED 10 11:07:00,35.80N,141.10E,h11km,Mw3.5 Best double couple: Ml1.89000x1014 NP1, #181.00000, #34.00000,

$\lambda=106.00000^\circ$, $NP2:q_2:0.00000^\circ$, $\delta=58.00000^\circ$,
 $\lambda=79.00000^\circ$
 ISCJB 10 11:07:51.1, 1.3, 35.80N, 0.05:141.14E:0.08, h1km, 7km,
 mb3.4/3, Error ellipse: s-maj=11.0km s-min=8.6km
 az=19.3
 JMA 10 11:07:53.0, 2.0, 35.76N, 140.98E, h15km, 1km, M3.6
 JMA Felt J1.
 IDC 10 11:08:05.1, 7.4, 36.61N, 140.25E, h34km, 44km, mb3.2/3,
 mb1.3/4, mb1mx3.1/69, mbtmp3.4/4, ML3.3/1, MS2.1/1,
 Ms1.2/1, ms1mx2.0/21, Error ellipse: s-maj=103.1km
 s-min=28.4km az=154.
 ISC 10 11:07:29.1, 6.3, 37.9N, 0.05:141.05E:0.08, h1km, 8km,
 n20, c1804/16, mb3.4/3, 2C-1D, Near east coast of
 eastern Honshu

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
				Op	h m s	ISC
CHOJ	Choshi	0.17	241	U	Pg	11 07 56.7 0.0
CHOU					Pg	11 07 59.1 -0.2
JHUH	Itakohorinouch	0.46	293	S	Pg	11 08 02.6 +0.7
JHYU	Hitachinakayam	0.67	326	S	Sg	11 08 15.6 +1.0
JCN	Nagara	0.78	242	U	Pb	11 08 08.5 0.0
JCN					Pb	11 08 19.5 +1.4
JYT	Yasato	0.82	303	U	Pg	11 08 07.9 -1.3
JYT					Sb	11 08 18.8 -1.4
JHO	Hitachi	0.91	335	P	Pb	11 08 09.9 -0.8
BSO3	Boso 3	1.07	204	P	Pb	11 08 12.5 -0.9
MJAR	Matsushiro Arr	2.42	289	Pn	Pn	11 08 31.1 -1.3
MAT	Matsushiro	2.42	289	P	Pn	4.4nm, 0.3s, baz=170.35, SNR=32
MAT					Sn	11 09 03.3 +1.2
ASAJ	Asahikawa	8.40	8	Pn	Pn	11 09 54.7 +0.1
ASAJ					Pn	0.5nm, 0.3s, baz=226, slow=12, SNR=4.7
KSR5	Korea Array	10.68	283	LR	LR	11 13 59.6
KSR5					LR	comp=Z, 13nm, 21.3s, baz=215, slow=36
H1N2	WAKE ISLAND Hy	27.79	118	T	T	11 42 38.7
H1N2					T	baz=311, slow=75, SNR=111
H1N1	WAKE ISLAND Hy	27.80	118	T	T	11 42 40.0
H1N1					T	baz=311, slow=75, SNR=87
H1N3	WAKE ISLAND Hy	27.81	118	T	T	11 42 39.5
H1N3					T	baz=311, slow=75, SNR=95
H1S1	WAKE ISLAND Hy	28.46	120	T	T	11 43 28.8
H1S1					T	baz=312, slow=75, SNR=72
H1S3	WAKE ISLAND Hy	28.46	120	T	T	11 43 28.7
H1S3					T	baz=312, slow=75, SNR=37
H1S2	WAKE ISLAND Hy	28.47	120	T	T	11 43 30.0
H1S2					T	baz=312, slow=75, SNR=41
MKAR	Makanchi Array	44.54	303	P	P	11 16 05.1 +0.5
MKAR					P	0.3nm, 0.6s, baz=97, slow=11, SNR=2.9
KURBB	Kurchatov Arra	46.54	309	P	P	11 16 21.1 +0.7
KURBB					P	0.2nm, 0.3s, baz=78, slow=7.4, SNR=3.2
ILAR	Elnor Array	50.71	32	P	P	11 16 58.1 +5.8
ILAR					P	0.3nm, 0.6s, baz=272, slow=6.5, SNR=4.6

IDC 10 11:09:20.9, 2.1, 43.31S, 83.34W, h0km, mb4.3/7,
 mb1.4/7, mb1mx4.1/31, mbtmp4.3/7, MS4.0/9, Ms1.4/0/9,
 ms1mx3.6/30, Error ellipse: s-maj=65.5km s-min=29.4km
 az=166.0
 ISCJB 10 11:09:23.0, 6.2, 42.67S, 0.09:83.4W:0.2, h10km,
 mb4.6/14, MS4.0/8, Error ellipse: s-maj=18.1km
 s-min=12.3km az=2.6
 NEIC 10 11:09:24.6, 0.7, 42.83S, 83.44W, h10km, mb4.8/8, Error
 ellipse: s-maj=2.1km s-min=1.5km az=132.0
 ISC 10 11:09:24.9, 0.8, 42.83S, 83.4W:0.2, h10km, n37,
 c1847/25, mb4.7/14, MS4.0/8, West Chile Rise

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
				Op	h m s	ISC
PLCA	Paso Flores	9.83	83	LR	LR	11 14 53.2
PLCA					LR	comp=Z, 638nm, 18.7s, baz=278, slow=34
PCO	Las Campanas	17.09	41	ePn	Pn	11 13 25.3 +1.2
PCO					Pn	78m, 1.4s
RPN	Rapa Nui	26.17	298	LR	LR	11 22 33.8
RPN					LR	comp=Z, 637nm, 19.1s, baz=111, slow=30
CPUP	Villa Florida	26.85	61	P	P	11 15 04.8 -0.8
CPUP					P	5.6nm, 1.1s, baz=225, slow=10.0, SNR=4.1
CPUP					LR	11 25 37.9
NNA	Nana	31.13	19	LR	LR	11 24 52.8
NNA					LR	comp=Z, 166nm, 21.1s, baz=180, slow=29
SIV	San Ignacio	32.78	43	ePn	Pn	11 15 58.5 +0.2
SIV					Pn	4.3nm, 1.0s, baz=241, slow=11, SNR=12
SAML	Samuel	38.02	34	eP	P	11 16 43.2 -0.1
SAML					P	24m, 1.4s
BDFB	Brasilia	40.55	59	P	P	11 17 05.1 +0.5
BDFB					P	6.9nm, 0.9s, baz=233, slow=5.8, SNR=6.1
BDFB					LR	11 34 19.8
OTAV	Otaivalo	42.97	7	eP	P	11 17 26.0 +1.2
OTAV					P	32m, 1.2s
VNA3	Neumayer Olymp	45.09	154	P	P	11 17 41.8 +1.1
VNA1	Neumayer-Stat	45.58	153	P	P	11 17 43.4 -1.1
PRAC	Prado	46.84	12	eP	P	11 17 53.8 -1.2
QSPA	South Pole Qui	47.54	180	LR	LR	11 35 36.5
QSPA					P	comp=Z, 120nm, 18.4s, baz=119, slow=34
QSPA	South Pole Qui	47.54	180	P	P	11 18 00.3 +0.1
CHIC	Chingaza	47.92	13	eP	P	11 18 00.5 -3.4
ROSC	El Rosal	48.03	12	eP	P	11 18 07.9 +3.1
ROSC					P	3.6nm, 0.4s, baz=132, slow=9.6, SNR=7.1
ROSC					LR	11 36 31.3
ROSC					LR	comp=Z, 119nm, 18.9s, baz=218, slow=32
ROSC	El Rosal	48.03	12	eP	P	11 18 03.5 -1.2
HEL3	Santa Helena	48.18	10	eP	P	11 18 11.1 -2.5
RUS3	La Rusia	48.27	14	eP	P	11 18 13.9 -0.6
ZARC	Zaragoza, Cauc	50.55	11	eP	P	11 18 21.1 -2.5
JTS	JuntasAbangare	52.74	358	LR	LR	11 37 13.1
VNDA	Vanda	53.67	194	LR	LR	11 37 56.9
VNDA					LR	comp=Z, 43nm, 19.0s, baz=200, slow=31
TAOE	Nuku Hiva Isla	59.79	287	eS	S	11 27 26.7 -1.5
TAOE					S	129nm, 30.2s
TAOE					eLR	11 36 56.9
PPT2	Papeete2	60.83	273	eLR	LR	11 37 19.3
PPT2					LR	72m, 27.2s
TXAR	Lajitas Array	74.06	342	P	P	11 21 01.6 +0.7
TXAR					P	6.6m, 1.2s, baz=162, slow=9.2, SNR=3.9
ANMO	Albuquerque	80.09	341	eP	P	11 21 35.0 +0.2
ANMO					P	11m, 1.4s
CCM	Cathedral Cave	80.69	354	eP	P	11 21 37.0 -0.7
CCM					P	45m, 1.1s
DUG	Dugway, Tocele	86.69	338	eP	P	11 22 10.0 +1.3
DUG					P	12m, 1.5s
NVAR	Mina Array Bea	86.74	333	P	P	11 22 09.9 +0.9
NVAR					P	1.6nm, 1.0s, baz=161, slow=4.5, SNR=8.6
HWUT	Hardware Ranch	87.67	339	eP	P	11 22 13.3 -0.2
HWUT					P	17m, 1.5s
PDAR	Pinedale Array	88.26	341	P	P	11 22 15.8 -0.4
PDAR					P	1.0nm, 0.5s, baz=197, slow=4.6, SNR=3.9
DZM	Mont Dzumac	89.02	241	eLR	LR	11 50 18.7
DZM					LR	136m, 25.9s
HLID	Hailey	90.26	338	eP	P	11 22 25.7 +0.2
HLID					P	6.3m, 1.5s
H1S2	WAKE ISLAND Hy	16.79	271	T	T	13 35 38.7
H1S2					T	baz=130, slow=74, SNR=11
H1S1	WAKE ISLAND Hy	16.80	271	T	T	13 35 37.3
H1S1					T	baz=130
H1S3	WAKE ISLAND Hy	16.80	271	T	T	13 35 27.5
H1S3					T	baz=130, slow=74, SNR=18
MJAR	Matsushiro Arr	147.59	273	PKPbc	PKPbc	11 29 06.5 0.0
MJAR					PKPbc	3.2nm, 1.0s, baz=201, slow=4.2, SNR=7.8

TAP 10 11:12:18.7, 22:15N, 121:41E, h80km, ML3.5, 1D, B,
 Taiwan region

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
				Op	h m s	ISC
LAY	Lan-yu	0.17	131	P	Pn	11 12 30.1 -0.3
LAY					S	11 12 38.9 -0.2
LAW		0.52	293	eP	Pn	11 12 32.4 -0.2
LAW					eS	11 12 43.0 0.0
TAW		0.54	242	eP	Pn	11 12 33.5 +0.7
TSEB	Hengchuen, Pin	0.54	242	eP	Pn	11 12 45.0 +1.7
TSEB					eS	11 12 45.0 +1.7
TWH	Lutao	0.56	6	P	Pn	11 12 33.0 0.0
TWH					S	11 12 44.0 +0.4

baz=7.0	EAST Anshuo	0.57	294	eP	Pn	11 12 33.5 +0.3
baz=293	EAST			eS	Sn	11 12 44.1 +0.2
baz=293	TWKBT Hengchun	0.60	250	eP	Pn	11 12 33.7 +0.4
baz=249	TWKBT			eS	Sn	11 12 45.5 +1.3
baz=249	TWK1 Hengchun	0.60	250	eP	Pn	11 12 34.2 +0.8
baz=249	TWK1			eS	Sn	11 12 45.3 +1.0
baz=249	ECL	0.61	316	P	Pn	11 12 33.4 -0.1
baz=316	ECL			S	Sn	11 12 44.0 -0.5
baz=316	HEN Hengchun	0.64	257	eP	Pn	11 12 34.1 +0.3
baz=256	HEN			eS	Sn	11 12 45.5 +0.5
baz=256	TTN Taitung	0.65	338	eP	Pn	11 12 34.3 +0.4
baz=338	TTN			eS	Sn	11 12 46.2 +1.1
baz=338	TWGBT Beinan	0.73	335	eP	Pn	11 12 34.8 0.0
baz=335	TWGBT			eS	Sn	11 12 47.1 +0.5
baz=335	TWG Pinlang	0.74	335	eP	Pn	11 12 34.8 0.0
baz=335	TWG			eS	Sn	11 12 46.8 0.0
baz=335	SCZT Fangliu	0.77	287	P	Pn	11 12 35.5 +0.4
baz=286	SCZT			S	Sn	11 12 47.1 -0.2
baz=286	MASBT Mashubuluo	0.86	303	iP	Pn	11 12 36.7 +0.6
baz=302	MASBT			S	Sn	11 12 49.2 +0.1
baz=302	SSD Sandimen	0.94	309	eP	Pn	11 12 37.6 +0.5
baz=309	SSD			eS	Sn	11 12 50.5 -0.2
baz=309	CHKT Chengkung	0.94	357	eP	Pn	11 12 37.8 +0.6
baz=357	CHKT			eS	Sn	11 12 51.2 +0.3
baz=357	WLCH Liujiu	0.98	282	eP	Pn	11 12 37.8 +1.2
baz=281	WLCH			eS	Sn	11 12 53.0 +1.4
baz=281	TWP Hsiao-chiu	0.99	281	eS	Sn	11 12 53.3 +1.4
baz=281	FULB Fuli	1.05	354	eP	Pn	11 12 39.0 +0.6
baz=353	FULB			eS	Sn	11 12 54.5 +1.4
baz=353	ELDTW Lidau	1.10	341	eP	Pn	11 12 39.3 +0.2
baz=340	ELDTW			eS	Sn	11 12 55.5 +1.2
baz=340	SLGT Liqiu	1.10	320	eP	Pn	11 12 39.8 +0.8
baz=319	SLGT			eS	Sn	11 12 55.0 +0.8
baz=319	STYT Taisyuan	1.18	329	eP	Pn	11 12 40.6 +0.6
baz=329	STYT			eS	Sn	11 12 57.3 +1.3
baz=329	TWF1 Yuli	1.20	355	eP	Pn	11 12 40.8 +0.5
baz=355	TWF1			eS	Sn	11 12 56.0 -0.4
baz=355	SGST Jiasian	1.20	321	eP	Pn	11 12 40.8 +0.5
baz=320	SGST			eS	Sn	11 12 57.2 +0.7
baz=320	YULB Yu-hi	1.24	355	eP	Pn	11 12 40.8 0.0
baz=355	YULB			eS	Sn	11 12 56.6 -0.7
baz=355	CHN1 Nanshi	1.31	322	eP	Pn	11 12 41.9 +0.2
baz=321	CHN1			eS	Sn	11 12 59.8 +0.8
baz=321	WTP Ta-pu	1.32	326	eP	Pn	11 12 42.3 +0.6
baz=326	WTP			eS	Sn	11 13 00.4 +1.3
baz=326	EHY Hungye	1.35	356	eP	Pn	11 12 41.6 -0.6
baz=356	EHY			eS	Sn	11 12 57.9 -0.1
baz=356	TPUB Ta-pu	1.35	328	eP	Pn	11 12 42.4 +0.2
baz=327	TPUB			eS	Sn	11 12 59.8 -0.1
baz=327	YUS Yu-Shan	1.40	342	eP	Pn	11 12 44.2 +0.9
baz=342	YUS			eS	Sn	11 13 03.1 +1.5
baz=342	YWK Hsiinying	1.40	323	eP	Pn	11 12 42.8 0.0
baz=322	TWK			eS	Sn	11 13 01.2 +0.2
baz=322	EGFH Guanqifu	1.51	0	eS	Sn	11 13 03.4 -0.1
baz=334	CHN5 Tsauling	1.59				

W39A	Magazine	78.00 351	eP	P	11 52 02.8 +1.1	R49A	Shelbyville	80.53 359	P	P	11 52 13.8 -1.7	O56A	Blue Knob Stat	82.61 4	P	P	11 52 25.4 -1.2
W39A	Magazine	78.00 351	P	P	11 52 01.6 -0.2	R47A	Wooly Knot Far	80.57 358	P	P	11 52 13.9 -1.8	BFCF	Mount Baldy Ra	82.62 332	P	P	11 52 26.9 +0.1
121A	Cookes Peak, D	78.02 339	P	P	11 52 01.8 -0.4	GLA	Glamis	80.58 334	eP	P	11 52 18.5 +2.5	MVCO	Mesa Verde	82.64 340	eP	P	11 52 28.3 +1.2
V49A	McMinnville	78.03 358	P	P	11 52 01.3 -0.6	GLA	Glamis	80.58 334	eP	Pmax	11 52 18.5 +2.5	MVCO	Mesa Verde	82.64 340	P	P	11 52 26.4 -0.6
V48A	Smith Brothers	78.03 357	eP	P	11 52 02.9 +0.9	GLA	Glamis	80.58 334	P	P	11 52 14.5 -1.5	O43A	Sugar Creek Fa	82.68 356	P	P	11 52 26.5 -0.3
V48A	Smith Brothers	78.03 357	P	sP	11 52 01.7 +1.5	GLA	Glamis	80.58 334	P	P	11 52 14.5 -1.5	O40A	La Belle	82.69 354	P	P	11 52 26.7 -0.6
V51A	Loudon	78.04 359	P	P	11 52 01.9 -0.1	CCM	Cathedral Cave	80.59 354	eP	P	11 52 16.6 +0.7	HEC	Hector Ludlow	82.71 333	P	P	11 52 26.7 -0.6
V46A	Holladay	78.15 356	P	P	11 52 01.9 -0.6	CCM	Cathedral Cave	80.59 354	eP	Pmax	11 52 16.6 +0.7	S22A	4UR Ranch, Cre	82.75 342	eP	P	11 52 29.5 +1.8
V47A	Nunnally	78.15 357	P	P	11 52 01.7 -0.9	CCM	Cathedral Cave	80.59 354	P	Pmax	11 52 14.9 -0.9	S22A	4UR Ranch, Cre	82.75 342	P	P	11 52 27.3 -0.4
MSTX	Muleshoe	78.22 344	eP	P	11 52 04.2 +1.0	R44A	Waltonville	80.64 356	P	P	11 52 13.7 -2.3	MWC	Mount Wilson	82.75 332	eP	P	11 52 28.6 +1.0
MSTX	Muleshoe	78.22 344	P	P	11 52 02.2 -1.0	R45A	Skyilar, Fairri	80.64 356	P	P	11 52 14.5 -1.6	MWC	Mount Wilson	82.75 332	eP	Pmax	11 52 28.6 +1.0
WMOK	Wichita Mounta	78.23 347	eP	P	11 52 02.6 -0.5	R43A	Red Bls	80.72 355	P	P	11 52 15.4 -1.2	O38A	Galt	82.84 352	P	P	11 52 27.6 -0.1
WMOK	Wichita Mounta	78.23 347	eP	Pmax	11 52 02.6 -0.5	R42A	Luebbering	80.78 354	P	P	11 52 15.9 -0.9	O39A	Kirksville	82.88 353	P	P	11 52 27.8 -0.1
WMOK	Wichita Mounta	78.23 347	eP	Pmax	11 52 02.8 -0.3	X16A	Lo Mia Camp, P	80.81 337	eP	P	11 52 19.4 +2.1	U15A	Not Rtm	82.93 337	eP	P	11 52 30.8 +2.1
V42A	Cord	78.37 353	P	P	11 52 03.3 -0.5	SWSC	Sam W. Stewart	80.81 333	P	P	11 52 16.1 -1.1	HDIL	Hopedale	82.95 356	P	P	11 52 27.7 -0.5
V41A	Mountainview	78.42 353	P	P	11 52 03.6 -0.5	Y14A	Wickenburg	80.83 336	eP	P	11 52 19.3 +1.9	O37A	Wolfen Farm, M	82.95 332	P	P	11 52 27.9 -0.4
WVT	Waverly	78.46 356	eP	P	11 52 04.4 +0.1	R41A	Rosebud	80.84 354	P	P	11 52 16.3 -0.9	RRX	Edison Barstow	82.97 353	P	P	11 52 28.0 -0.6
WVT	Waverly	78.46 356	eP	Pmax	11 52 04.4 +0.1	BAR	Barrett	80.86 332	eP	P	11 52 19.5 +2.0	N50A	Nevada	83.00 0	P	P	11 52 28.1 -0.4
WVT	Waverly	78.46 356	P	P	11 52 03.2 -1.1	R40A	Madies Statio	80.91 353	P	P	11 52 16.6 -0.9	BLG	Laguna Peak, P	83.00 331	P	P	11 52 28.9 +0.2
V40A	Witts Springs	78.50 352	eP	P	11 52 04.5 -0.1	R38A	Fenwick Farm,	80.97 352	P	P	11 52 17.1 -0.8	KSCO	Kaye Shedlock	83.07 345	eP	P	11 52 31.0 +1.9
V40A	Witts Springs	78.50 352	P	P	11 52 03.6 -0.9	MONP2	Monument Peak	80.97 332	P	P	11 52 18.0 -0.3	KSCO	Kaye Shedlock	83.07 345	P	P	11 52 29.0 +0.3
U51A	La Follette	78.61 360	P	P	11 52 04.4 -0.8	W18A	Petrified Fore	80.99 338	eP	P	11 52 20.1 +1.8	TUQ	Turquoise Moun	83.13 334	P	P	11 52 29.8 +0.3
V39A	Pettigrew	78.62 352	P	P	11 52 04.4 -0.9	W18A	Petrified Fore	80.99 338	P	P	11 52 18.1 -0.2	N46A	Montello	83.17 358	P	P	11 52 28.9 -0.5
TUC	Tucson	78.64 337	eP	P	11 52 07.0 +1.5	R39A	Chumby, Stover	81.01 352	P	P	11 52 17.8 -0.2	N54A	Moraine State	83.25 3	P	P	11 52 29.1 -0.7
TUC	Tucson	78.64 337	eP	Pmax	11 52 07.0 +1.5	Y12C	Blythe	81.13 334	eP	P	11 52 20.7 +1.9	N42A	Yates Farm, Fo	83.26 355	P	P	11 52 29.3 -0.5
U50A	Jamesstown	78.66 359	P	P	11 52 04.5 -1.0	Y12C	Blythe	81.13 334	P	P	11 52 18.9 0.0	GSC	Goldstone, Bar	83.30 333	eP	P	11 52 31.5 +1.2
U47A	Clarksville	78.75 357	P	P	11 52 05.1 -0.8	Q48A	North Vernon	81.18 358	P	P	11 52 19.1 +0.2	GSC	Goldstone, Bar	83.30 333	eP	Pmax	11 52 31.5 +1.2
U49A	Red Boiling Sp	78.77 358	P	P	11 52 05.2 -0.8	109C	Camp Elliot, M	81.20 332	P	P	11 52 19.0 -0.3	GSC	Goldstone, Bar	83.30 333	P	P	11 52 30.9 +0.6
TZTN	Tazewell	78.78 360	P	P	11 52 05.1 -1.0	Q47A	Bedord North L	81.21 358	P	P	11 52 18.4 -0.7	EDW2	Edwards Ar, Fo	83.32 332	P	P	11 52 31.0 +0.6
U43A	Cassie Pea, Po	78.79 358	P	P	11 52 05.3 -0.8	Q45A	Warren Harvey,	81.23 356	P	P	11 52 18.9 -0.4	N43A	Stutzman Famil	83.32 356	P	P	11 52 29.2 -0.9
U48A	Rector	78.85 354	P	P	11 52 05.6 -0.8	Q49A	Aurora	81.24 359	P	P	11 52 18.9 -0.5	N40A	Mertquake, Sal	83.43 354	P	P	11 52 29.7 -1.0
AMTX	Amarillo	78.89 345	eP	P	11 52 07.9 +1.1	Q51A	Peebles	81.25 0	P	P	11 52 18.9 -0.5	N59A	State Game Lan	83.44 6	P	P	11 52 29.9 -0.9
AMTX	Amarillo	78.89 345	P	P	11 52 07.1 +0.2	BC3	Big Chuckwall	81.34 333	P	P	11 52 20.4 +0.2	N38A	Joess South For	83.48 353	P	P	11 52 30.0 -1.0
214A	Organ Pipe Nat	78.93 335	P	P	11 52 06.6 -0.5	Q43A	New Douglas	81.36 355	P	P	11 52 20.1 +0.1	N39A	Derby Farms, D	83.50 353	eP	P	11 52 30.2 -0.9
TUL1	Leonard	78.94 350	eP	P	11 52 07.1 +0.1	Q41A	Truxton	81.48 354	P	P	11 52 20.6 0.0	N39A	Derby Farms, D	83.50 353	P	P	11 52 30.1 -0.9
TUL1	Leonard	78.94 350	P	P	11 52 06.6 -0.4	PDMO	Parker Dam, Lak	81.52 335	P	P	11 52 21.1 +0.2	Q24A	Divide	83.53 343	eP	P	11 52 30.7 +1.3
U41A	Viola	78.95 353	P	P	11 52 06.4 -0.6	FRD	Ford Ranch, An	81.58 333	P	P	11 52 21.9 +0.5	Q24A	Divide	83.53 343	P	P	11 52 30.7 -1.0
U40A	Yellville	79.05 352	P	P	11 52 07.0 -0.5	Q40A	Laux Farm, Aux	81.59 353	P	P	11 52 21.4 +0.2	BOSA	Bosho	83.54 123	P	P	11 52 30.6 -1.5
U39A	Green Forest	79.14 352	P	P	11 52 07.5 -0.5	T25A	Trinidad	81.62 343	eP	P	11 52 22.9 +1.2	BOSA	comp=Z,6.3nm,1.0s,baz=332,slow=1.6,SNR=3.7	LR	LR	12 23 25.4	
151A	Gran	79.20 360	P	P	11 52 07.4 -1.0	T25A	Trinidad	81.62 343	P	P	11 52 22.3 +0.6	N37A	Lee Faris, Mou	83.55 352	P	P	11 52 30.7 -0.6
BNM	Barren Site	79.27 341	eP	P	11 52 10.9 +1.7	XPFO	Piazon Flat	81.64 333	eP	P	11 52 24.0 +2.3	PV13	Radium Mtn., P	83.60 340	eP	P	11 52 33.5 +1.5
T47A	Sharon Grove	79.29 357	eP	P	11 52 09.5 +0.7	PFO	Pinyon Flats O	81.64 333	eP	P	11 52 23.7 +2.0	PV02	Paradox Valley	83.64 340	eP	P	11 52 33.4 +1.2
T47A	Sharon Grove	79.29 357	P	P	11 52 08.2 -0.6	PFO	Pinyon Flats O	81.64 333	eP	Pmax	11 52 23.7 +2.0	SHOC	Shoshone, Teco	83.67 334	P	P	11 52 32.2 +0.1
T49A	Edmonton	79.36 358	P	P	11 52 08.5 -0.7	PFO	Pinyon Flats O	81.64 333	P	P	11 52 21.6 -0.1	M44A	Midewin, Midew	83.71 357	P	P	11 52 31.2 -0.9
LENM	Lemitar	79.37 340	eP	P	11 52 11.4 +1.8	IRM	Iron Mountain	81.70 334	P	P	11 52 22.6 +0.6	PV03	Paradox Valley	83.72 340	eP	P	11 52 33.9 +1.4
T46A	Princeton	79.37 356	P	P	11 52 08.6 -0.7	P48A	Milroy	81.70 359	P	P	11 52 21.3 -0.5	PV18	Skein Mesa, Pa	83.72 340	eP	P	11 52 34.0 +1.4
T48A	Bowling Green	79.38 358	P	P	11 52 09.4 +0.1	Q38A	Cooks Store, C	81.70 352	P	P	11 52 21.3 -0.4	LCMT	Little Creek M	83.75 336	eP	P	11 52 34.4 +1.8
T43A	Greenville	79.55 354	P	P	11 52 09.5 -0.7	Q37A	Longview Farm,	81.71 351	P	P	11 52 22.2 +0.4	LRMC	Laurel Mtn Rad	83.75 333	P	P	11 52 32.8 +0.1
T42A	Van Buren	79.56 354	eP	P	11 52 09.4 -0.9	Q39A	Willow Grove F	81.72 353	P	P	11 52 21.6 -0.2	PV11	David Mesa, Pa	83.77 340	eP	P	11 52 34.3 +1.5
T42A	Van Buren	79.56 354	P	P	11 52 09.2 -1.1	P47A	Martinsville	81.75 358	P	P	11 52 21.4 -0.6	PV12	Saucer Basin, P	83.77 340	eP	P	11 52 34.4 +1.6
T41A	Mountain View	79.63 353	P	P	11 52 09.8 -0.9	P49A	Miami Univ. Ec	81.77 359	P	P	11 52 21.4 -0.7	PV17	East Wray Mesa	83.77 340	eP	P	11 52 33.7 +0.9
LAZ	Ladron	79.63 340	eP	P	11 52 13.1 +2.1	P49A	Miami Univ. Ec	81.77 359	P	P	11 52 21.4 -0.7	PV16	Nyswonger Mesa	83.79 340	eP	P	11 52 34.5 +1.5
T39A	Clever	79.76 352	P	P	11 52 10.7 -0.7	WUAZ	Wupatki	81.81 337	eP	P	11 52 24.1 +1.4	PV19	Morning Glory	83.80 340	eP	P	11 52 35.2 +2.2
S51A	Beattyville	79.87 360	P	P	11 52 11.3 -0.7	WUAZ	Wupatki	81.81 337	P	P	11 52 22.5 -0.2	M43A	Waltham Townsh	83.81 356	P	P	11 52 31.7 -0.9
T38A	Diamond	79.87 351	P	P	11 52 11.1 -0.9	P44A	Sand Creek, Wi	81.83 356	P	P	11 52 21.6 -0.8	PV20	West Nyswonger	83.83 340	eP	P	11 52 34.3 +1.2
S47A	Hartford	79.88 357	P	P	11 52 11.0 -1.1	P50A	Jamesstown	81.83 360	P	P	11 52 22.1 -0.3	M41A	Milan	83.84 355	P	P	11 52 31.9 -0.9
S50A	Richmond	79.91 359	P	P	11 52 11.3 -1.0	BEJC	Belle Mtn. Jos	81.84 333	P	P	11 52 22.2 -0.6	SHPR	Sheep Range	83.87 335	eP	P	11 52 35.3 +2.0
S48A	Wiedeman Farm,	79.92 358	P	P	11 52 11.3 -0.9	P45A	Graceland, Par	81.84 357	P	P	11 52 22.5 0.0	PV14	Lion Creek, Pa	83.87 340	eP	P	11 52 34.3 +0.9
ANMO	Albuquerque	79.98 341	eP	P	11 52 14.3 +1.3	MURC	Murieta	81.88 332	P	P	11 52 21.9 -1.0	PKCU	Comp=Z,24nm,1.2s	83.88 337	eP	P	11 52 35.5 +1.9
ANMO	Albuquerque	79.98 341	eP	LR	12 22 12.7	P46A	Rosedale	81.91 357	P	P	11 52 21.9 -0.9	PV23	Carpenter Ridge	83.94 340	eP	P	11 52 35.6 +1.8
ANMO	Albuquerque	79.98 341	eP	P													

BINY	baz=174 Binghamton baz=185	84.69	6	P	P	11 52 37.3	+0.1
CWC	Cottonwood Cre baz=151	84.76	333	P	P	11 52 38.6	+0.8
OGNE	Ogallala comp=Z,21nm,1.0s	84.84	346	eP	P	11 52 39.6	+1.6
OGNE	Ogallala baz=168	84.84	346	P	P	11 52 38.4	+0.4
MSU	Marysville comp=Z,5.1nm,1.5s	84.84	338	eP	P	11 52 40.3	+0.2
PAGB	Antelope Grade baz=88	84.88	331	eP	P	11 52 40.1	+1.8
SRU	San Rafael Swe comp=Z,1.9nm,1.4s	84.95	339	eP	P	11 52 39.2	+0.4
SRU	San Rafael Swe baz=156	84.95	339	eP	P	11 52 39.2	+0.4
GRAC	Grapevine Rang baz=156	85.03	333	P	P	11 52 39.9	+0.9
TSUM	Tsumeb comp=Z,125nm,19.8s	85.05	111	LR	LR	12 24 55.1	
TMUT	Trail Mountain comp=Z,14nm,1.1s	85.31	339	eP	P	11 52 41.8	+1.1
PSUT	Pine Spring comp=Z,15nm,1.4s	85.35	339	eP	P	11 52 42.4	+1.6
P17A	Butcher Ranch, comp=Z,14nm,1.2s	85.35	339	eP	P	11 52 42.1	+1.3
JFWS	Jewell Farm comp=Z,46nm,1.4s	85.35	355	eP	P	11 52 41.1	+0.7
JFWS	Jewell Farm baz=175	85.35	355	eP	P	11 52 41.1	+0.7
JFWS	Jewell Farm comp=Z,46nm,1.4s	85.35	355	P	P	11 52 41.4	+1.0
O20A	White River Ci comp=Z,44nm,1.5s	85.35	341	eP	P	11 52 42.2	+1.4
O20A	White River Ci baz=162	85.35	341	P	P	11 52 41.2	+0.5
K36A	Gilmore City baz=172	85.43	352	P	P	11 52 41.6	+0.8
N23A	Red Feather La comp=Z,25nm,1.3s	85.56	343	eP	P	11 52 43.5	+1.6
N23A	Red Feather La baz=164	85.56	343	P	P	11 52 42.0	+0.2
R11A	Troy Canyon, C comp=Z,29nm,1.5s	85.69	335	eP	P	11 52 44.2	+1.7
R11A	Troy Canyon, C baz=157,SNR=24	85.69	335	eP	P	11 52 44.1	+1.6
LIC	Lamto comp=Z,79nm,1.0s	85.76	78	eP	P	11 52 48.1	+4.9
J41A	Loganville baz=175	85.79	355	P	P	11 52 43.0	+0.4
PHWY	Pilot Hill comp=Z,29nm,1.5s	85.84	344	eP	P	11 52 44.6	+1.3
J40A	Soldiers Grove baz=174	85.86	355	P	P	11 52 42.6	-0.4
J39A	Decorah baz=174	85.87	354	P	P	11 52 42.2	-0.8
J38A	Wedel Dairy, R baz=173	85.92	353	P	P	11 52 43.3	0.0
J37A	Redenius Farm, baz=172	86.01	353	P	P	11 52 43.7	0.0
TIC	Toumodji Kosan Boka comp=Z,48nm,1.1s	86.06	77	eP	P	11 52 49.6	+4.9
TIC	Toumodji Kosan Boka baz=176	86.06	78	eP	P	11 52 49.5	+4.8
MPU	Maple Canyon comp=Z,19nm,1.4s	86.10	339	eP	P	11 52 45.4	+1.0
J36A	Seneca J, Swea comp=Z,20nm,1.4s	86.10	352	eP	P	11 52 45.0	+0.9
J36A	Seneca J, Swea baz=172	86.10	352	P	P	11 52 44.3	+0.1
OMMB	Old Mammoth Mi comp=Z,7.6nm,1.3s	86.13	332	eP	P	11 52 46.3	+1.4
NLU	North Lily Min comp=Z,26nm,1.5s	86.16	338	eP	P	11 52 46.3	+1.5
DBIC	Dimbokro comp=Z,3.9nm,1.0s,baz=14,slow=3.9,SNR=2.8	86.19	77	P	LR	11 52 44.8	-0.5
DBIC	Dimbokro baz=159	86.19	77	P	LR	12 26 32.0	
142A	Draeger Farm, baz=176	86.25	356	P	P	11 52 44.1	-0.7
140A	Norwalk baz=175	86.35	355	P	P	11 52 44.6	-0.7
I39A	Houston comp=Z,27nm,1.1s	86.38	354	eP	P	11 52 46.2	+0.7
I39A	Houston baz=174	86.38	354	P	P	11 52 44.9	-0.6
DUG	Dugway, Toeole comp=Z,39nm,1.4s	86.59	338	eP	P	11 52 47.9	+1.1
DUG	Dugway, Toeole baz=177	86.59	338	eP	P	11 52 47.9	+1.1
DUG	Dugway, Toeole comp=Z,39nm,1.4s	86.59	338	P	P	11 52 45.8	-1.0
NV11	Mina Array Sit comp=Z,1.4nm,1.4s	86.59	333	eP	P	11 52 48.7	+1.8
RWWY	Rawlins comp=Z,18nm,1.4s	86.59	342	eP	P	11 52 47.1	+0.2
JLU	Jordanelle comp=Z,8.9nm,1.4s	86.60	339	eP	P	11 52 48.0	+1.0
NV01	Mina Array Sit comp=Z,4.5nm,1.0s,baz=160,slow=6.0,SNR=27	86.64	333	eP	P	11 52 48.4	+1.2
NVAR	Mina Array Bea comp=Z,4.5nm,1.0s,baz=160,slow=6.0,SNR=27	86.64	333	eP	P	11 52 48.4	+1.0
I37A	Lemond, Waseca comp=Z,48nm,1.4s	86.69	353	eP	P	11 52 47.5	+0.4
I37A	Lemond, Waseca baz=173	86.69	353	P	P	11 52 47.2	+0.2
ECSD	EROS Data Cent comp=Z,15nm,1.3s	86.76	351	eP	P	11 52 47.0	-0.4
ECSD	EROS Data Cent baz=170	86.76	351	P	P	11 52 47.5	+0.1
H43A	Windswept, Lux baz=177	86.78	357	P	P	11 52 46.9	-0.5
RNB	Ryan comp=Z,26nm,1.5s	86.89	333	eP	P	11 52 49.8	+1.4
CMB	Columbia Colle comp=Z,84nm,1.6s	86.99	332	eP	P	11 52 50.2	+1.6
CMB	Columbia Colle baz=178	86.99	332	eP	P	11 52 50.3	+1.6
H40A	Chili baz=175	87.06	355	P	P	11 52 48.2	-0.6
TCUT	Toone Canyon comp=Z,50nm,1.4s	87.07	339	eP	P	11 52 50.3	+1.0
WAKR	Walker comp=Z,14nm,1.4s	87.08	333	eP	P	11 52 50.2	+0.8
KVN	Kaiserville comp=Z,25nm,1.5s	87.13	334	eP	P	11 52 51.1	+1.6
KVN	Kaiserville baz=183	87.13	334	eP	P	11 52 51.2	+1.6
KVN	Kaiserville comp=Z,25nm,1.5s	87.21	6	P	P	11 52 50.8	+1.3
LONY	Lake Ozonia comp=Z,19nm,1.5s	87.21	6	P	P	11 52 48.7	-0.8
BGU	Big Grassy Mou comp=Z,14nm,1.4s	87.33	338	eP	P	11 52 51.0	+0.6
K22A	Casper comp=Z,29nm,1.1s	87.36	343	eP	P	11 52 51.9	+1.3
K22A	Casper baz=183	87.36	343	P	P	11 52 51.2	+0.6
YERR	Yerington comp=Z,15nm,1.4s	87.45	333	eP	P	11 52 52.2	+1.1
H35A	Sunnyside Ranch baz=177	87.51	352	P	P	11 52 51.1	+0.2
SPUT	South Promonto comp=Z,22nm,1.1s	87.52	339	eP	P	11 52 52.5	+1.1
G43A	Wallace baz=177	87.56	357	P	P	11 52 51.1	-0.1
HWUT	Hardware Ranch comp=Z,46nm,1.4s	87.57	339	eP	P	11 52 52.6	+1.0
G42A	Mountain baz=176	87.57	357	P	P	11 52 51.9	+0.6
PNTR	Pine Nut comp=Z,13nm,1.3s	87.67	333	eP	P	11 52 54.5	+2.3
G40A	Rib Lake comp=Z,26nm,1.2s	87.69	355	eP	P	11 52 52.4	+0.5
G40A	Rib Lake baz=175	87.69	355	P	P	11 52 52.3	+0.4
G39A	Holcombe baz=174	87.78	355	P	P	11 52 50.6	-1.7
RUBR	Rubicon Trail comp=Z,21nm,1.3s	87.82	332	eP	P	11 52 53.6	+0.7
VCNR	Virginia City comp=Z,10nm,1.4s	87.87	333	eP	P	11 52 55.2	+2.1
AFDM	Forest Hills D comp=Z,12nm,1.5s	88.01	332	eP	P	11 52 55.7	+2.1
HVU	Hansel Valley comp=Z,25nm,1.1s	88.05	339	eP	P	11 52 54.5	+0.6
HVU	Hansel Valley baz=185	88.05	339	eP	P	11 52 54.5	+0.6
BMN	Battle Mountain comp=Z,25nm,1.1s	88.11	335	eP	P	11 52 55.4	+1.3
BMN	Battle Mountain baz=175	88.11	335	eP	P	11 52 55.4	+1.3
PAHR	Pah Rah Range comp=Z,22nm,1.5s	88.15	333	eP	P	11 52 55.5	+1.2
BW06	Boulder Array comp=Z,21nm,1.4s	88.16	341	P	P	11 52 55.0	+0.6
BW06	Boulder Array baz=161	88.16	341	P	P	11 52 54.4	0.0
PD31	Pinedale Array comp=Z,2.8nm,0.9s,baz=160,slow=4.7,SNR=27	88.16	341	eP	P	11 52 55.1	+0.6
PDAR	Pinedale Array comp=Z,2.8nm,0.9s,baz=160,slow=4.7,SNR=27	88.16	341	eP	P	11 52 54.5	+0.1
PDAR	Pinedale Array baz=161	88.16	341	eP	P	12 27 25.3	
RSSD	Black Hills comp=Z,63nm,18.1s,baz=180,slow=32	88.28	345	eP	P	11 52 55.5	+0.5
RSSD	Black Hills comp=Z,12nm,1.0s	88.28	345	eP	P	11 52 55.5	+0.5
RSSD	Black Hills baz=175	88.28	345	eP	P	11 52 54.6	-0.4
F40A	Par Falls comp=Z,16nm,1.4s	88.34	355	P	P	11 52 54.3	-0.6
F39A	Loretta baz=174	88.38	355	P	P	11 52 54.3	-0.8
AHID	Auburn Hatcher comp=Z,24nm,1.2s	88.54	340	eP	P	11 52 57.2	+1.1
BEKR	Beckworth comp=Z,21nm,1.4s	88.62	333	eP	P	11 52 57.8	+1.1
ORV	Oroville comp=Z,25nm,1.4s	88.74	332	eP	P	11 52 58.1	+1.1
ORV	Oroville baz=175	88.74	332	eP	P	11 52 58.1	+1.1
DZM	Mont Dzumac comp=Z,23nm,23.6s	89.01	241	eLR	LR	12 21 11.5	
REDW	Red Top Meadow comp=Z,43nm,1.5s	89.04	340	eP	P	11 52 59.6	+1.1
SNOW	Snow King Moun comp=Z,22nm,1.4s	89.11	341	eP	P	11 53 00.2	+1.3
TPAW	Teton Pass comp=Z,21nm,1.1s	89.21	340	eP	P	11 52 59.5	+0.2
LOHW	Long Hollow comp=Z,16nm,1.4s	89.34	340	eP	P	11 53 00.3	+1.0
FXWY	Fox Creek comp=Z,14nm,1.2s	89.34	340	eP	P	11 53 01.0	+1.0
MOOW	Moose Pond comp=Z,12nm,1.4s	89.37	341	eP	P	11 53 01.0	+0.9
O03D	Paynes Creek baz=153	89.50	332	P	P	11 53 01.5	+0.9
IMW	Indian Meadow comp=Z,25nm,1.3s	89.56	341	eP	P	11 53 01.8	+0.7
FLWY	Flagg Ranch comp=Z,17nm,1.2s	89.68	341	eP	P	11 53 02.6	+1.0
YPP	Pitchstone Pla comp=Z,7.5nm,1.3s	89.88	341	eP	P	11 53 04.3	+1.8
H17A	Grant Village comp=Z,17nm,1.4s	89.94	341	eP	P	11 53 05.8	+3.0
WDC	Whiskeytown Da comp=Z,32nm,1.3s	90.01	331	eP	P	11 53 03.8	+0.9
WDC	Whiskeytown Da baz=172	90.01	331	eP	P	11 53 03.8	+0.9
YFT	Old Faithful comp=Z,32nm,1.3s	90.06	341	eP	P	11 53 06.5	+3.2
LKWY	Lake comp=Z,42nm,1.5s	90.06	341	eP	P	11 53 04.2	+0.9
LKWY	Lake baz=176	90.06	341	eP	P	11 53 04.3	+0.9
HLID	Hailey comp=Z,9.8nm,1.0s	90.15	338	P	P	11 53 05.4	+1.8
HLID	Hailey baz=158	90.15	338	P	P	11 53 05.1	+1.3
YMR	Madison River comp=Z,53nm,1.4s	90.29	341	eP	P	11 53 06.4	+2.0
RLMT	Red Lodge comp=Z,10nm,1.1s	90.32	342	eP	P	11 53 05.5	+1.0
RLMT	Red Lodge baz=159	90.32	342	P	P	11 53 05.1	+0.6
WVOR	Wild Horse Val comp=Z,12nm,1.4s	90.37	335	eP	P	11 53 07.2	+2.5
WVOR	Wild Horse Val baz=174	90.37	335	eP	P	11 53 07.2	+2.5
MFID	Camas Ranch comp=Z,12nm,1.4s	90.42	337	eP	P	11 53 06.5	+1.6
N02D	Trinity Center comp=Z,12nm,1.4s	90.42	331	eP	P	11 53 05.7	+0.8
YHB	Horse Butte comp=Z,14nm,1.4s	90.42	341	eP	P	11 53 07.5	+2.5
MOD	Modoc Plateau comp=Z,18nm,1.4s	90.43	333	eP	P	11 53 06.9	+1.9
EYMN	Ely comp=Z,17nm,1.4s	90.44	355	P	P	11 53 07.4	0.0

10d 13h

Table with 4 columns: STA, comp, AZ, and other parameters. Includes stations like GTA, VJF, VJF, VJF, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like HEL 10:11:57.48.0.3,60.666.27.02E, etc.

ISC/JB 10:12:08.44.1.0.5, 10:20:25.0:0.05:161.88E:0.08, h54km, mb4.8/32, MS3.9/28. Error ellipse: s-maj=11.2km...

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like HNR, HNR, HNR, etc.

Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like PMG, PMG, PMG, etc.

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Main table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like WRKA, FITZ, FITZ, etc.

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Table with 4 columns: Code, Station Name, Az, Phase ID. Includes stations like MVO, POLO, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHO Hitachi, KSRS Korea Array, USRK Ussuriysk Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GEYT Alibek, BVAR Borovoye Array, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND Hy 27.85 124 T, SONM Songoing Array, etc.

BJI 10 15:19:23.0, 19.30S: 168.70E, h25km, mb4.7/6, mB5.0/4
IDC 10 15:19:27.1+4.1, 19.13S: 168.72E, h44km, 38km, mb4.0/13,
mb1.4/21/4, mb1mx3.1/40, mbmp4.3/14, ML3.7/1, MS3.5/13,
Ms1.3/1/3, ms1mx3.2/39, Error ellipse: s-maj=27.7km
s-min=18.1km az=68.0

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

ISK 10 13:49:03.0, 38.739N:43.49E, h5km, ML2.5/3
ISCJB 10 13:49:04.3+0.8, 38.739N:04.4364E:0.06, h20km, 8km,
Error ellipse: s-maj=9.1km s-min=4.9km az=26.1
DDA 10 13:49:04.7, 38.75N:43.55E, h7km, ML2.6
ISC 10 13:49:04.6+1.1, 38.76N:0.03:43.54E:0.04, h18km, 3km,
n12, c1522/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, VMUR Van-Muradiye, TVAN Van, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MA2 Magadan, HFS Hagfors, NOA NORARS Array B, etc.

THE 10 14:49:59.8, 34.792N:24.15E, h26km, 1km, ML2.6/4, Error
ellipse: s-maj=1.7km s-min=0.6km az=218.0
ISCJB 10 14:50:01.2+1.1, 34.78N:0.1:24.24E:0.04, h15km, 9km,
Error ellipse: s-maj=17.3km s-min=6.1km az=179.0
ATH 10 14:50:01.2, 34.78N:24.23E, h15km, 2km, ML2.4/4, Error
ellipse: s-maj=3.5km s-min=1.5km az=194.0
ISC 10 14:50:01.9+1.1, 34.89N:0.05:24.22E:0.04, h12km, 10km,
n13, c1527/23, Crete

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, AFI Afiamalu, URZ Urewera, etc.

THE 10 14:45:58.8, 34.792N:24.19E, h23km, 1km, ML3.1/4, Error
ellipse: s-maj=1.7km s-min=0.4km az=216.0
ATH 10 14:45:59.9, 34.86N:24.23E, h15km, 2km, ML3.0/4, Error
ellipse: s-maj=3.3km s-min=1.5km az=200.0
ISC 10 14:45:60.0+1.1, 34.86N:0.05:24.24E:0.03, h15km, 9km,
n13, c0568/23, Crete

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

NIED 10 15:07:00.37, 80N:142.70E, h23km, Mw3.4 Best double
couple: M1.640000, 1014 NP1.96220000, 823.00000,
L-2-108.00000. NP2.0191.00000, 875.00000.
IDC 10 15:07:46.6+2.5, 37.94N:142.77E, h0km, mb3.4/4,
mb1.3/4/6, ms1mx3.3/69, mbmp3.4/6, ML3.2/2, MS2.3/1,
Ms1.2/3/1, ms1mx2.0/42, Error ellipse: s-maj=58.7km
s-min=25.6km az=72.0
JMA 10 15:07:47.6+0.2, 37.85N:142.69E, h16km, 3km, M3.6
ISC 10 15:07:48.0+2.2, 37.91N:10.05:142.58E:0.08, h6km, 12km,
n25, c1052/29, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VYBA Yreka Blue Hor, VNA3 Neumayer Olymp, etc.

ISCJB 10 14:49:18.6+0.7, 34.59N:0.06:82.3E:0.1, h10km, mb3.5/5,
MS3.3/23, Error ellipse: s-maj=14.8km s-min=7.9km
Bz=23.5
IDC 10 14:49:18.5+1.1, 34.41N:82.30E, h0km, mb3.6/6,
mb1.3/8/11, mb1mx3.6/72, mbmp3.8/11, ML3.2/5, MS3.3/26,
Ms1.3/4/26, ms1mx3.2/67, Error ellipse: s-maj=27.3km
s-min=18.1km az=49.0
BJI 10 14:49:21.2, 34.31N:82.38E, h10km, mb3.8/2, ML4.0/3,
Ms3.9/2
ISC 10 14:49:20.4+0.7, 34.52N:0.08:82.46E:0.09, h10km, n33,
c180/14, mb3.4/5, MS3.3/23, 1D, Xizang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIO Ouri, OFJU Ofunato, JMM Marumori, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MOA Molln, SOKA Soboth, OBKA Obi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NDI New Delhi, WMQ Urumqi, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, JHJ Hachijo jima 2, H11N2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAN 10 15:21:39.8, 5.21N:127.44E, h124km, mb5.3, ML4.3, MS4.5, 1C, Philippine Islands region, etc.

Table with columns: OBKA, OBir, 0.74 177 ePg, Pg, 16 58 14.8 +0.2, etc. Lists various astronomical observations with station names, coordinates, and magnitudes.

Table with columns: DAVA, DAVa, 3.14 272 eSg, Sg, 16 59 41.8 +0.6, etc. Lists astronomical observations from the DAVA station.

NIED 10 17:10:00, 38.40N, 142.30E, h14km, Mw3.3 Best double couple: M1.12000, 1014 NP1.208, 00000, 831.00000, lambda-73.00000, NP2.346, 00000, 861.00000, lambda-100.00000.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists observations from the Honshu station.

STR 10 17:13:29.9, 0.4, 48.12, h5km, 3km, MLV1.6/LDG 10 17:13:30.7, 0.1, 48.37N, 7.30E, h2km, Md2.2/4, MI2.3/8, Error ellipse: s-maj=1.3km s-min=1.0km az=159.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists observations from the France station.

NIED 10 17:16:00, 37.00N, 142.40E, h8km, Mw3.6 Best double couple: M3.24000, 1014 NP1.208, 00000, 832.00000, lambda-138.00000, NP2.346, 00000, 869.00000, lambda-65.00000.

ISCJBJ 10 17:16:43.3, 0.6, 37.00N, 142.42E, 0.0, h9km, mb3.7/12, MS3.5/2, Error ellipse: s-maj=5.9km s-min=5.0km az=172.1.

JMA 10 17:16:43.5, 0.3, 37.00N, 142.43E, h14km, 4km, M3.9 IDC 10 17:16:43.9, 1.1, 37.03N, 142.40E, h0km, mb3.7/11, mb1.3/8/15, mb1mx3.6/7/1, mbmtpp3.7/15, ML3.6/4, MS2.9/4, Ms1.2.9/4, ms1mx2.4/7/3, Error ellipse: s-maj=2.7km s-min=1.92km az=131.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists observations from the Honshu station.

Table with columns: JAG, JYK, JOM, JBSO, MJAR, etc. Lists astronomical observations from various stations including JAG, JYK, JOM, JBSO, MJAR, etc.

IDC 10 17:36:57.6, 2.9, 34.31N, 22.90E, h0km, mb3.7/6, mb1.3/6/10, mb1mx3.4/6/8, mbmtpp3.6/10, ML3.9/3, MS2.9/4, Ms1.2.9/4, ms1mx2.5/6/3, Error ellipse: s-maj=51.7km s-min=24.7km az=20.0.

THE 10 17:37:05.3, 34.88N, 23.13E, h0km, 1km, ML3.4/5, Error ellipse: s-maj=1.7km s-min=0.5km az=213.0.

ATH 10 17:37:07.7, 35.03N, 23.29E, h26km, 2km, ML3.4/5, Error ellipse: s-maj=6.4km s-min=1.8km az=41.0.

ISC 10 17:37:04.6, 1.8, 34.84N, 23.10E, 0.0, h17km, 9km, n50, n128/55, mb3.7/6, CreP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists observations from various stations including GVD, GVD, GVD, etc.

JOHN JOHN	comp=Z,179nm,1.3s	35.70	183	PFAKE LR	LR	18 44 50.0 +9.0
HRV	comp=Z,2um,19.0s	35.72	77	eP	P	18 44 40.5 -0.6
WAKY Walker	Holler Research	35.74	94	eP	P	18 44 41.6 +0.2
RES Resolute Bay	comp=Z,271nm,1.0s	35.76	26	P	P	18 44 40.5 -0.5
RES Resolute Bay	comp=Z,20nm,0.9s,baz=281,slow=11,SNR=5.4	35.76	26	eP	P	18 44 40.5 -0.5
LRM HLID	comp=Z,103nm,1.4s	35.80	78	eP	P	18 44 41.3 -0.7
HLID	comp=Z,139nm,1.4s	35.83	83	eP	P	18 44 42.5 +0.3
HLID	comp=Z,39um,20.0s	35.83	83	P	P	18 44 42.1 0.0
BMN	Battle Mountai	35.91	89	eP	P	18 44 43.5 +0.6
BMN	Battle Mountai	35.91	89	eP	P	18 44 43.5 +0.6
BLMT	comp=Z,99nm,1.0s	35.96	79	eP	P	18 44 44.0 +0.8
DLON	Dillon	35.96	79	eP	P	18 44 44.0 +0.8
MCMT	McKenzie Canyo	36.09	80	eP	P	18 44 44.3 -0.1
KVN	Kaisererville	36.21	92	eP	P	18 44 45.8 +0.3
KVN	Kaisererville	36.21	92	eP	P	18 44 46.6 +1.1
RYN	Ryan	36.22	93	eP	P	18 44 46.5 +1.0
EGMT	Eagleton	36.30	73	eP	P	18 44 45.8 -0.3
EGMT	Eagleton	36.30	73	P	P	18 44 46.0 0.0
PMPB	Monarch Peak	36.38	98	eP	P	18 44 47.7 +0.9
BOZ	Bozeman (W)	36.41	78	eP	P	18 44 47.1 -0.1
BOZ	Bozeman (W)	36.41	78	eP	P	18 44 47.5 +0.4
BOZ	Bozeman (W)	36.41	78	P	P	18 44 46.5 -0.6
NV01	Mina Array Sit	36.48	93	eP	P	18 44 48.6 +0.8
NV01	Mina Array Sit	36.48	93	eP	P	18 47 11.4 -0.1
NVAR	Mina Array Bea	36.48	93	eP	P	18 44 48.9 +1.1
NVAR	comp=Z,8.2nm,0.7s,baz=304,slow=2.1,SNR=4.3	36.50	89	eP	P	18 47 11.6 +0.1
NVAR	comp=Z,1.7nm,0.8s,baz=326,slow=4.7,SNR=3.6	36.50	89	eP	P	18 50 59.9 +2.3
NVAR	comp=Z,13um,20.9s,baz=60,slow=31	36.50	89	eP	P	18 56 49.6
NV11	Mina Array Sit	36.56	93	eP	P	18 44 49.6 +1.2
OMMB	Old Mammoth M	36.57	94	eP	P	18 44 49.9 +1.2
MLAC	Mammoth (W)	36.66	94	P	P	18 44 50.8 +1.5
TEY	Ternei	36.82	281	eP	P	18 44 49.7 -0.6
TEY	Ternei	36.82	281	eP	P	18 46 39.7
TEY	Ternei	36.82	281	eP	P	18 50 34.8 +0.7
TEY	comp=Z,170nm,0.9s	36.82	281	eP	P	18 44 52.5 +0.8
TEY	comp=Z,2um,8.0s	36.82	281	eP	P	18 44 54.1 +1.7
QLMT	Earthquake Lak	36.94	79	eP	P	18 44 53.9 +0.7
PAGB	Antelope Grade	37.12	79	eP	P	18 44 55.6 +0.8
YHB	Horse Butte	37.12	79	eP	P	18 44 56.8 +1.3
YHB	comp=Z,221nm,1.3s	37.12	79	eP	P	18 44 56.8 +1.3
YHB	Madison River	37.30	79	eP	P	18 44 56.8 +1.3
TMR	Tinemaha, Big	37.40	94	P	P	18 44 55.0 +0.4
SMMC	Simmler	37.47	98	P	P	18 44 56.9 +0.7
GCMT	Greycliff	37.48	77	eP	P	18 44 57.8 +1.3
YFT	Old Faithful	37.50	79	eP	P	18 44 55.0 -1.5
KLR	Kul'dur	37.55	290	P	P	18 44 55.3 -1.2
KLR	Kul'dur	37.55	290	P	P	18 44 58.7 +1.1
YPP	Pitchstone Pla	37.62	79	eP	P	18 44 57.3 0.0
FFC	Flin Flon	37.64	60	eP	P	18 44 57.3 0.0
FFC	Flin Flon	37.64	60	eP	P	18 44 57.3 0.0
FFC	Flin Flon	37.64	60	eP	P	18 44 58.7 +1.0
YES	Vestal, Richgr	37.67	97	P	P	18 44 58.9 +0.8
H17A	Grant Village	37.69	79	eP	P	18 44 58.7 +0.6
H17A	Grant Village	37.69	79	eP	P	18 44 59.2 +1.0
LKWY	Lake	37.70	79	eP	P	18 45 01.0 +2.8
LKWY	Lake	37.70	79	eP	P	18 44 59.5 +0.9
IMW	Indian Meadow	37.74	80	eP	P	18 44 59.3 +0.4
FLWY	Flagg Ranch	37.78	80	eP	P	18 45 00.1 +0.9
HVU	Hansel Valley	37.83	84	eP	P	18 45 00.1 +0.9
HVU	Hansel Valley	37.83	84	eP	P	18 44 59.6 +0.3
FXWY	Fox Creek	37.83	80	eP	P	18 45 00.6 +1.0
PKM	Mchpherson Peak	37.86	98	P	P	18 45 00.1 +0.3
CWC	Cottonwood Cre	37.89	95	P	P	18 45 01.3 +1.1
MOOW	Moose Ponds	37.94	80	eP	P	18 45 01.2 +1.0
GRAC	Grapevine Rang	37.96	94	P	P	18 45 01.2 +0.8
TPAW	Teton Pass	37.96	81	eP	P	18 44 58.9 -1.4
ZEA	Zeya	38.00	299	eP	P	18 50 48.0 -3.8
ZEA	comp=E,130nm,1.8s	38.00	299	eP	P	18 44 52.0 +0.8
ZEA	comp=Z,260nm,1.8s	38.00	299	eP	P	18 44 53.0 +0.7
ZEA	comp=Z,3um,11.0s	38.00	299	eP	P	18 44 55.0 +0.8
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,7um,20.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,1um,13.0s	38.00	299	eP	P	18 44 56.8 +1.3
ZEA	comp=N,3um,16.0s	38.00	299	eP	P	1

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like SUMG Summit, F43A Flat Rock, O38A Galt, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like SFJD Kangerlussuaq, S38A Stockton, L43A Garden Prairie, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like W39A Magazine, W39A Magazine, S42A Caledonia, etc.

10d 18h

L49A	Milan	54.63	65	P	P	18 47 09.2	-1.9
Q46A	CEJHS Indians	54.67	70	P	P	18 47 09.9	-1.5
T44A	Bentley	54.68	73	P	P	18 47 10.0	-1.5
U43A	Rector	54.69	75	P	P	18 47 09.4	-2.2
X41A	Kadeni, Bauxite	54.72	78	P	P	18 47 10.3	-1.5
W42A	Bald Knob	54.78	76	P	P	18 47 10.0	-2.3
SCO	Scoresbysund	54.85	13	eP	P	18 47 11.6	-0.7
SCO	Scoresbysund	54.85	13	iP	P	18 47 12.5	+0.3
SCO	Scoresbysund	54.85	13	iP	P	18 47 12.5	+0.3
SCO	Carrier Mills				MLR	MLR	
S45A	Parma	54.87	72	P	P	18 47 11.7	-1.2
PARMO	Parma	54.88	74	eP	P	18 47 12.1	-0.8
833A	Chaparral WMA	54.89	88	eP	P	18 47 13.2	+0.1
833A	Chaparral WMA	54.89	88	eP	P	18 47 13.7	+0.6
M49A	Liberty Center	54.94	66	P	P	18 47 11.3	-2.0
SSE	Sheshan	54.97	277	P	P	18 47 14.9	+1.3
SSE				sP	pP	18 47 18.1	+0.5
SSE				S	S	18 54 48.8	-6.3
SSE				ScS	ScS	18 56 58.1	-4.4
SSE				pmx	pmx		
SSE				pmx	pmx		
SSE				LR	LR		
P47A	Martinsville	54.98	69	P	P	18 47 11.6	-2.1
V43A	Jonesboro	55.01	75	P	P	18 47 11.8	-2.1
U44A	Portageville	55.02	74	P	P	18 47 12.0	-1.9
BTO	Batou	55.03	293	eP	P	18 47 14.2	+0.1
Z40A	Long Farm, Mag	55.05	79	P	P	18 47 12.9	-1.3
BLO	Bloomington	55.05	69	eP	P	18 47 12.7	-1.4
BLO	Bloomington	55.05	69	eP	P	18 47 13.4	-0.7
PVMO	Portageville	55.08	74	eP	P	18 47 13.7	-0.7
Y41A	Eaglette Beard	55.09	78	P	P	18 47 13.4	-1.0
O48A	Farmland	55.10	68	P	P	18 47 12.1	-2.3
HBAR	Harrisburg	55.10	75	eP	P	18 47 13.8	-0.8
R46A	Gibson Southern	55.13	71	P	P	18 47 13.1	-1.6
KNTN	Kanton	55.16	185	eP	P	18 47 15.7	+0.7
USIN	University of 1.5	55.21	71	eP	P	18 47 14.3	-1.0
X42A	Stuttgart	55.21	77	P	P	18 47 14.6	-0.8
Q47A	Bedord North L	55.26	70	P	P	18 47 13.5	-2.1
T45A	Paducah	55.28	73	eP	P	18 47 15.3	-0.5
T45A	Paducah	55.28	73	eP	P	18 47 14.7	-1.1
U44B	Burton Farm, H	55.33	74	P	P	18 47 15.4	-0.8
NATX	Nacogdoches	55.33	82	eP	P	18 47 15.8	-0.5
NATX	Nacogdoches	55.33	82	P	P	18 47 15.2	-1.1
V44A	Blytheville	55.36	75	P	P	18 47 15.9	-0.5
SADO	Sadowa	55.37	60	LR	LR	19 12 02.4	
SADO	Sadowa	55.37	60	eP	P	18 47 15.9	-0.5
S46A	Don Dixon Farm	55.37	72	P	P	18 47 15.4	-1.0
140A	Cam and Jess	55.37	80	eP	P	18 47 16.0	-0.6
140A	Cam and Jess	55.37	80	P	P	18 47 15.9	-0.6
W43A	Forest City	55.39	76	P	P	18 47 15.0	-1.7
Z41A	Richland Creek	55.41	79	eP	P	18 47 15.7	-1.1
Z41A	Richland Creek	55.41	79	P	P	18 47 15.6	-1.1
GLAT	Glass	55.42	74	eP	P	18 47 17.1	+0.3
P48A	Milroy	55.48	69	P	P	18 47 15.7	-1.5
M50A	Fremont	55.51	65	P	P	18 47 15.9	-1.5
CCAR	Cane Creek	55.57	78	eP	P	18 47 17.8	-0.1
TIV	Tatuyuan	55.60	289	eP	P	18 47 19.7	+1.5
TIV				S	S	18 55 07.0	+3.3
TIY				pmx	pmx		
TIY				LR	LR		
TIY				LR	LR		
TIY				LR	LR		
O49A	Covington	55.61	67	P	P	18 47 17.0	-1.1
Y42A	Garnett, Star	55.61	78	P	P	18 47 17.3	-1.0
UTMT	University of	55.62	74	eP	P	18 47 17.4	-0.8
HALT	Halls	55.63	74	eP	P	18 47 18.8	+0.4
R47A	Wooly Knot Farm	55.64	70	P	P	18 47 17.5	-0.9
Q48A	North Vernon	55.67	69	P	P	18 47 17.2	-1.4
U45A	Rockin P Farm,	55.67	73	P	P	18 47 16.7	-2.0
240A	Hunter Patters	55.68	81	eP	P	18 47 17.8	-1.0
240A	Hunter Patters	55.68	81	P	P	18 47 17.2	-1.5
X43A	Marvell	55.68	76	eP	P	18 47 18.9	+0.2
X43A	Marvell	55.68	76	P	P	18 47 17.7	-1.0
T46A	Princeton	55.70	72	P	P	18 47 17.3	-1.6
NJ2	Nanjing	55.71	279	eP	P	18 47 19.3	+0.3
NJ2				pP	pP	18 47 21.7	-1.2
NJ2				sP	sP	18 47 23.5	-0.9
NJ2				S	S	18 55 06.3	+1.3
NJ2				sS	pS	18 55 10.4	+0.6
NJ2				pmx	pmx		
NJ2				LR	LR		
NJ2				LR	LR		
NJ2				LR	LR		
141A	Papa Simpson	55.80	80	P	P	18 47 18.6	-1.1
WCI	Wyandotte Cave	55.82	70	eP	P	18 47 18.7	-1.0
WCI	Wyandotte Cave	55.82	70	eP	P	18 47 19.6	-0.1
WCI				pmx	pmx		

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WCI	Wyandotte Cave	55.82	70	P	P	18 47 17.4	-2.3
MET	Memphis-Engin	55.83	75	eP	P	18 47 20.1	+0.3
P49A	Milroy Univ. Ec	55.83	68	P	P	18 47 17.0	-2.7
N50A	Nevada	55.88	66	P	P	18 47 18.1	-2.0
W44A	Shelby Farms P	55.88	75	P	P	18 47 18.9	-1.3
HKT	Hockley	55.90	84	eP	P	18 47 20.8	+0.5
HKT	Hockley	55.90	84	eP	P	18 47 21.9	+1.6
Z42A	Norrel Spur, H	55.91	78	P	P	18 47 19.1	-1.3
S47A	Hartford	55.92	71	P	P	18 47 18.5	-1.9
JMIC	Jan Mayen	55.92	8	LR	LR	19 13 45.8	
JMIC	Jan Mayen	55.92	8	eP	P	18 47 19.7	-0.2
R48A	Northridge Ran	55.95	70	P	P	18 47 19.0	-1.6
V45A	Humboldt	55.98	74	P	P	18 47 19.2	-1.7
U46A	Springville	56.01	73	P	P	18 47 19.2	-1.8
O50A	Cable	56.04	67	P	P	18 47 19.2	-2.0
Y43A	Makayla and Ka	56.07	77	P	P	18 47 20.5	-1.0
Q49A	Aurora	56.09	69	P	P	18 47 20.0	-1.6
X44A	Greshaw	56.13	76	P	P	18 47 21.2	-0.7
ANGG	Ammassalik, Gr	56.14	23	eP	P	18 47 19.9	-1.7
T47A	Sharon Grove	56.20	72	eP	P	18 47 20.8	-1.7
T47A	Sharon Grove	56.20	72	P	P	18 47 21.1	-1.4
241A	Mo Tay, Golden	56.20	80	eP	P	18 47 21.2	-1.3
241A	Mo Tay, Golden	56.20	80	P	P	18 47 21.8	-0.7
W45A	Hickory Valley	56.24	75	P	P	18 47 21.8	-0.9
HVS	Khovu-Aksy	56.30	312	dP	P	18 47 23.6	+0.5
HVS				MLR	MLR		
P50A	Jamestown	56.30	67	P	P	18 47 21.7	-1.5
S48A	Wiedeman Farm	56.35	70	P	P	18 47 22.2	-1.3
KVTX	Kingsville	56.37	88	eP	P	18 47 24.3	+0.6
KVTX				LR	LR		
WVT	Waverly	56.37	73	eP	P	18 47 22.4	-1.3
WVT	Waverly	56.37	73	eP	P	18 47 22.9	-0.7
WVT				pmx	pmx		
WVT				pmx	pmx		
Z43A	Armstrong Fami	56.38	78	P	P	18 47 22.3	-1.4
142A	Moose	56.42	79	P	P	18 47 24.1	+0.1
R49A	Shelbyville	56.42	69	P	P	18 47 23.1	-0.9
V46A	Holladay	56.43	73	P	P	18 47 23.1	-0.9
Y44A	Strider, Charl	56.47	76	P	P	18 47 23.8	-0.6
U47A	Clarksville	56.47	72	P	P	18 47 23.7	-0.6
T48A	Bowling Green	56.53	71	P	P	18 47 24.0	-0.8
341A	Kurthwood	56.54	81	eP	P	18 47 25.4	+0.5
341A	Kurthwood	56.54	81	P	P	18 47 24.2	-0.6
OXF	Oxford	56.56	75	eP	P	18 47 23.6	-1.4
OXF	Oxford	56.56	75	eP	P	18 47 24.4	-0.6
OXF				pmx	pmx		
OXF				pmx	pmx		
X45A	UM Field Stati	56.63	76	P	P	18 47 24.4	-1.1
143A	Socs Landing,	56.63	78	eP	P	18 47 25.2	-0.3
143A	Socs Landing,	56.63	78	P	P	18 47 24.8	-0.7
242A	Grayson	56.64	79	P	P	18 47 25.4	-0.2
S49A	Springfield	56.70	70	P	P	18 47 25.1	-0.9
ERPA	Erie	56.70	63	eP	P	18 47 25.1	-0.8
ERPA	Erie	56.70	63	P	P	18 47 24.9	-1.0
Q50A	Georgetown	56.72	68	P	P	18 47 25.5	-0.6
W46A	Michie	56.74	74	P	P	18 47 25.6	-0.6
V47A	Nunally	56.76	73	P	P	18 47 25.8	-0.6
IVI	Ivigtut	56.81	30	eP	P	18 47 25.8	-0.6
Z44A	Pea Ridge, Bel	56.81	77	P	P	18 47 26.6	-0.2
U48A	Cassie Pea, Po	56.86	72	P	P	18 47 26.6	-0.6
R50A	Paris	56.91	69	P	P	18 47 26.7	-0.8
Y45A	Yeager Farm, C	56.93	76	P	P	18 47 27.1	-0.5
HAMF	Hammerfest	56.93	356	eP	P	18 47 25.4	-1.7
HAMF				IAMs_20	IAMs_20	19 13 12.8	
441A	DeRidder	56.94	81	P	P	18 47 27.2	-0.5
ALLY	Alegheny Colle	56.94	63	eP	P	18 47 26.8	-0.8
Q51A	Peebles	56.96	68	P	P	18 47 26.9	-0.9
342A	Flagon Creek P	57.02	80	eP	P	18 47 27.4	-0.9
342A	Flagon Creek P	57.02	80	P	P	18 47 26.9	-1.3
X46A	Booneville	57.02	75	P	P	18 47 26.5	-1.8
PLAL	Pickwick Lake	57.02	74	eP	P	18 47 27.0	-1.2
ZAIQ							

10d 18h

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like KKM Kota Kinabalu, GRTK Grand Turk, BEBN Eben Enmael, etc.

2012 AUG

Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like PRU PRU, KWP KWP, CHAI JSA, etc.

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Table with columns for station call letters, name, frequency, power, and signal strength. Includes stations like SMLA Simla, UMPA Umpang Tak, ECH Echerly, etc.

comp=Z,5um,20.0s					
ODBI Odobesti	81.36 350 <i>f</i> P	P	18 50 01.5 +2.6		
BEHE Becesely	81.37 357 <i>f</i> P	P	18 50 00.9 +1.9		
BEHE Becesely	81.37 357 <i>f</i> P	P	18 50 00.7 +1.7		
PETRI Petrosi	81.38 350 <i>f</i> P	P	18 50 00.6 +1.6		
OBKA Obkai	81.38 359 <i>f</i> P	P	18 50 00.5 +1.3		
TUE Stuetta	81.40 2 eP	P	18 49 59.8 +0.4		
comp=Z,195nm,1.3s					
comp=Z,182nm,1.8s					
SENIN Lac Senin/Sane	81.44 4 eP	P	18 50 00.1 +0.4		
SOC Sochi	81.50 340 <i>f</i> P	P	18 50 00.8 +1.1		
SOC iPPP		PPP	18 53 07.5		
SOC iS		S	18 54 58.8		
SOC pmax		S	19 00 13.8 +3.0		
comp=Z,192nm,1.2s					
SOC pmax					
ASHT Ashkhabad	81.53 325 P	P	18 50 01.4 +1.4		
comp=Z,705nm,1.8s					
AKT Akhty	81.59 334 eP	P	18 50 00.8 +0.4		
AKT e		e	18 53 10.5		
AKT ePPP		PPP	18 54 55.7		
AKT eS		S	19 00 16.8 +4.6		
AKT pmax					
comp=Z,256nm,1.2s					
GEYT Alibeck	81.64 325 P	P	18 50 00.9 +0.3		
comp=Z,67nm,1.1s,baz=27.12,SNR=110					
ALY0AB ALIBECK ARRAY	81.64 325 eP	P	18 50 00.6 0.0		
PHET Kaeng Krachan	81.67 280 P	P	18 50 04.8 +3.8		
AGP Aguadilla	81.68 71 eP	P	18 50 00.8 -0.3		
comp=Z,632nm,1.5s					
TLCR 81.72 348 <i>f</i> P	P	18 50 02.2 +1.4			
MLR Muntele Rosu	81.74 351 P	P	18 50 01.6 +0.5		
comp=Z,20nm,1.0s,baz=318,slow=3.8,SNR=26					
MLR LR			19 29 31.1		
comp=Z,220nm,18.8s,baz=20,slow=3.8					
MLR Muntele Rosu	81.74 353 P	P	18 50 03.3 +2.1		
MLR Muntele Rosu	81.74 351 eP	P	18 50 01.0 -0.2		
comp=Z,114nm,1.5s					
MLR Muntele Rosu	81.74 351 eP	P	18 50 01.0 -0.2		
comp=Z,114nm,1.5s					
GRER 81.74 350 <i>f</i> P	P	18 50 02.7 +1.7			
CFR Carcaliu	81.81 349 <i>f</i> P	P	18 50 02.2 +0.4		
LOT Ljubljana	81.85 359 <i>f</i> P	P	18 50 02.2 +0.7		
VOIR 81.88 351 <i>f</i> P	P	18 50 02.7 +0.9			
AOPR Areobio Observ	81.96 71 eP	P	18 50 02.5 0.0		
comp=Z,127nm,1.2s					
BZS Buzias	81.98 354 <i>f</i> P	P	18 50 03.2 +1.0		
LOT 81.98 352 <i>f</i> P	P	18 50 03.2 +1.0			
ARR Arges	81.99 351 <i>f</i> P	P	18 50 04.0 +1.6		
JAVS Javornik	82.00 359 eP	P	18 50 01.0 -1.5		
JAVS eS		S	19 00 15.8 -0.4		
CRPR Cabo Rojo, PR	82.02 71 eP	P	18 50 02.7 -0.1		
comp=Z,452nm,1.7s					
ZAG Zagreb	82.04 358 <i>f</i> P	P	18 50 03.8 +1.3		
ISR Istrita	82.05 350 <i>f</i> P	P	18 50 03.6 +0.9		
CRES Cresnjevo	82.05 358 <i>f</i> P	P	18 50 03.3 +0.7		
TBLG Delisi	82.13 336 eP	P	18 50 02.8 -0.3		
comp=Z,560nm,1.6s					
TBLG Delisi	82.13 336 eP	P	18 50 02.8 -0.3		
comp=Z,560nm,1.6s					
CEY Cerknica	82.16 359 <i>f</i> P	P	18 50 03.9 +0.7		
SBUM Sibiu	82.19 264 eP	P	18 50 03.7 0.0		
comp=Z,68nm,1.4s					
SBUM Sibiu	82.19 264 P	P	18 50 05.0 +1.3		
PGOR Pogoanele	82.21 350 <i>f</i> P	P	18 50 05.0 +1.6		
OZLJ Ozalj	82.26 358 P	P	18 50 04.1 +0.5		
OBIP Obisposado Ponce	82.28 71 eP	P	18 50 03.6 -0.6		
comp=Z,163nm,1.3s					
PGRA Graciosa	82.29 31 eP	P	18 50 04.6 +0.6		
comp=Z,172nm,1.3s					
HARR Harsova	82.32 349 <i>f</i> P	P	18 50 04.9 +0.9		
BOJS Bojanci	82.38 358 eP	P	18 50 02.7 +0.6		
BOUS eS		S	19 00 19.7 -0.1		
TLB Topalu	82.41 349 <i>f</i> P	P	18 50 05.2 +0.8		
PCED Cedros	82.43 31 eP	P	18 50 05.2 +0.5		
TIRR Tirusor	82.49 349 <i>f</i> P	P	18 50 05.8 +0.9		
TIRR Tirusor	82.49 349 eP	P	18 50 04.4 -0.5		
TIRR Tirusor	82.49 349 eP	P	18 50 05.4 +0.5		
SJJ San Juan	82.49 70 eP	P	18 50 05.7 +0.5		
comp=Z,62nm,1.1s					
SJG LR					
comp=Z,14um,19.0s					
SJG San Juan	82.49 70 eP	P	18 50 05.6 +1.2		
ROSA Rosais	82.49 31 eP	P	18 50 05.5 +0.5		
comp=Z,181nm,1.5s					
SUR Rijeka	82.51 350 <i>f</i> P	P	18 50 05.6 +0.6		
PMAN Manadas	82.52 31 eP	P	18 50 05.3 0.0		
PICO Pico	82.63 31 eP	P	18 50 06.2 +0.5		
comp=Z,195nm,1.2s					
HUMP Col San Antoni	82.64 70 eP	P	18 50 06.0 -0.1		
comp=Z,236nm,1.9s					
PCAN Candelaria	82.65 31 eP	P	18 50 06.6 +0.9		
comp=Z,45nm,0.5s					
HERR Hercule	82.66 353 <i>f</i> P	P	18 50 06.6 +0.8		
CTA Charters Tower	82.71 223 P	P	18 50 07.4 +1.3		
comp=Z,40nm,1.1s,baz=6.3,slow=5.6,SNR=11					
CTAO Charters Tower	82.71 223 eP	P	18 50 06.5 +0.3		
comp=Z,194nm,1.8s					
CTAO LR					
comp=Z,6um,20.0s					
CTAO Charters Tower	82.71 223 eP	P	18 50 07.2 +1.0		
PAYG Puerto Ayora	82.71 101 PFAKE	LR	18 50 20.0 +1.4		
comp=Z,6um,20.0s					
BNI Bardonecchia	82.72 4 eP	P	18 50 06.3 0.0		
comp=Z,273nm,1.4s					
BNI Bardonecchia	82.72 4 eP	P	18 50 06.9 +0.6		
AKH Akhalkalaki	82.73 337 <i>f</i> P	P	18 50 07.7 +2.2		
AKH Akhalkalaki	82.73 337 eP	P	18 50 07.1 +0.6		
comp=Z,312nm,1.7s					
AKH Akhalkalaki	82.73 337 eP	P	18 50 07.9 +1.4		
HUMR Humele	82.79 351 <i>f</i> P	P	18 50 06.4 -0.1		
MDVR Moldovita	82.81 359 <i>f</i> P	P	18 50 07.7 +1.1		
MTP Monte Pirata	82.84 70 eP	P	18 50 07.4 +0.3		
comp=Z,233nm,1.2s					
ICOR Ion Corvin	82.90 349 <i>f</i> P	P	18 50 08.7 +1.7		
STVI Saint Thomas	82.99 69 eP	P	18 50 08.1 +0.3		
SGRR Singureni	82.99 350 <i>f</i> P	P	18 50 08.3 +0.8		
BLY Banja Luka	83.08 357 <i>f</i> P	P	18 50 09.3 +1.3		
BLY Banja Luka	83.08 357 eP	P	18 50 08.2 +0.3		
comp=Z,64nm,1.3s					
BLY Banja Luka	83.08 357 <i>f</i> P	P	18 50 08.8 +0.8		
BCA Borcka	83.13 338 eP	P	18 50 08.8 +0.5		
NVLJ Novalja	83.32 358 P	P	18 50 09.6 +0.4		
UDBI Udbina	83.34 358 P	P	18 50 09.9 +0.5		
KARS Kars	83.57 337 eP	P	18 50 12.8 +2.0		
DIVS Divibare	83.60 355 eP	P	18 50 10.4 -0.4		
comp=Z,168nm,1.8s					
DIVS Divibare	83.60 355 <i>f</i> P	P	18 50 11.4 +0.6		
ZIMR Zimri	83.61 351 <i>f</i> P	P	18 50 11.8 +1.1		
GNI Gani	83.62 336 P	P	18 50 12.0 +0.9		
comp=Z,41nm,0.8s,baz=214,slow=1.6,SNR=24					
GNI LR			19 34 46.1		
comp=Z,20um,18.4s,baz=8.0,slow=4.1					
GNI Gani	83.62 336 eP	P	18 50 12.0 +0.9		
GNI LR					
comp=Z,33um,19.0s					
GNI Gani	83.62 336 P	P	18 50 12.7 +1.6		
SNR=20					
GNI Gani	83.62 336 <i>f</i> P	P	18 50 13.6 +2.5		
comp=Z,797nm,2.5s					
CHOM Cayelli-Reiz	83.66 339 eP	P	18 50 11.4 +0.4		
MTN Manton Dam	83.66 240 eP	P	18 50 11.0 -0.2		
comp=Z,92nm,1.0s					
HAPS Han Pijesak, BI	83.66 355 eP	P	18 50 10.3 -0.8		
VLC Villacolumbano	83.73 2 eP	P	18 50 11.3 0.0		
comp=Z,236nm,1.4s					
SENK Senkaya-Erzuru	83.81 338 eP	P	18 50 13.5 +1.4		
PRD Provadia	83.85 349 P	P	18 50 12.0 +0.1		
BWNR Bhuvaneshwar	83.85 295 eP	P	18 50 12.1 -0.2		
comp=Z,6um,5.7s					
BWNR IAMB		IAMB	18 50 14.9		

BWNR comp=Z,8um,16.8s					
BBSL Laziz#263;i	83.86 355 <i>f</i> P	P	18 50 13.3 +1.2		
SNOP Sinop	83.87 343 eP	P	18 50 12.2 +0.1		
TASB TABSURUN-IGDIR	83.90 336 eP	P	18 50 13.4 +1.0		
KV Trabzon	83.90 340 eP	P	18 50 13.7 +1.2		
PSET Sete Cidades	84.09 30 eP	P	18 50 14.3 +1.0		
comp=Z,269nm,1.3s					
KSM Kuching	84.12 265 eP	P	18 50 13.7 0.0		
comp=Z,333nm,1.2s					
CMLA Cha da Macela	84.21 29 eP	P	18 50 14.3 +0.4		
comp=Z,210nm,1.2s					
CMLA Cha da Macela	84.21 29 PFAKE	LR	18 50 20.0 +6.1		
comp=Z,20um,19.0s					
DIKM Dikmen	84.22 343 eP	P	18 50 15.6 +1.7		
PGAV Gavieira, Arco	84.22 15 <i>f</i> eP	P	18 50 15.4 +1.4		
comp=Z,196nm,1.6s					
PGAV Gavieira, Arco	84.22 15 eS	S	19 00 41.0 +2.1		
PGAV Gavieira, Arco	84.22 15 eLR	LR	19 10 24.7		
ESPY Espiye-Giresun	84.26 340 eP	P	18 50 14.9 +0.8		
SMRT St. Maarten	84.30 68 eP	P	18 50 07.6 -7.0		
BART Pils Bartolomeo	84.30 29 eP	P	18 50 14.8 +0.3		
comp=Z,191nm,1.1s					
SAMS Samsun-Alacam	84.33 342 P	P	18 50 08.6 -5.8		
GRSN Giresun-GRSN	84.35 341 P	P	18 50 11.2 -3.3		
ORDU Ordu-Boztepe	84.37 341 P	P	18 50 15.1 +0.5		
PLE Pilejeva	84.39 355 <i>f</i> P	P	18 50 15.8 +0.9		
BAVT Bantepe-Bay	84.41 15 <i>f</i> eP	P	18 50 17.7 +0.2		
PCAB Cabril	84.41 15 <i>f</i> eP	P	18 50 16.7 +1.3		
comp=Z,123nm,1.5s					
SABA Saba	84.54 68 eP	P	18 50 16.0 +0.1		
comp=Z,296nm,1.5s					
SABA UPM Unac-Piva	84.54 68 eP	P	18 50 17.5 +1.7		
AGRBR Hanur-Agry	84.59 337 eP	P	18 50 18.2 +2.1		
PBRG Braganca	84.62 14 <i>f</i> eP	P	18 50 17.1 +1.1		
comp=Z,146nm,1.9s					
PBRG Braganca	84.62 14 ePPP	PP	18 53 33.7 -3.0		
KVT Kavak	84.63 342 eP	P	18 50 16.9 +0.9		
JMB Yambol	84.67 350 P	P	18 50 16.0 -0.1		
HAVZ Havaza	84.69 343 P	P	18 50 15.1 -1.2		
CLDR Caldera	84.78 336 eP	P	18 50 17.4 +0.4		
FEUS Eustatius	84.78 342 P	P	18 50 17.6 -1.7		
IVS Ivas	84.82 355 <i>f</i> P	P	18 50 17.6 +0.6		
PGB Panagyurishte	84.83 351 P	P	18 50 17.0 0.0		
SOEI Soe	84.85 247 eP	P	18 50 16.7 -0.8		
comp=Z,284nm,1.4s					
BRY Bratogost	84.86 356 eP	P	18 50 15.6 -1.7		
KOME Kolesin	84.87 355 <i>f</i> P	P	18 50 17.8 +0.3		
VTS Vitosha	84.87 352 <i>f</i> P	P	18 50 17.8 +0.5		
VTS Vitosha	84.87 352 eP	P	18 50 16.2 -1.2		
comp=Z,84nm,1.5s					
VTS Vitosha	84.87 352 P	P	18 50 13.0 -4.3		
VTS Vitosha	84.87 352 P	P	18 50 17.1 -0.2		
VTS Vitosha	84.87 352 eP	P	18 50 16.6 -0.7		
POLO Lamas de Olo	84.88 15 <i>f</i> eP	P	18 50 18.3 +1.0		
comp=Z,63nm,1.8s					
POLO Lamas de Olo	84.88 15 ePPP	PP	18 53 36.7 +3.9		
ERBA Erbaa	84.89 342 P	P	18 50 18.9 +1.6		
STON Ston	84.93 356 P	P	18 50 17.1 -0.3		
STON Ston	84.93 356 <i>f</i> P	P	18 50 17.2 -0.2		
PTO Porto	84.97 16 eP	P	18 50 19.7 +2.0		
comp=Z,179nm,1.5s					
NKME Nikisja	84.98 355 <i>f</i> P	P	18 50 18.1 +0.3		
PVRL Vila Real	84.98 15 <i>f</i> eP	P	18 50 18.7 +0.9		
comp=Z,201nm,1.9					

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like Sanana, Don Marcelino, General Santos, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like SIMA, Gediz, Kula-Manisa, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like YSS, Uglegorak, Tymoosko, etc.

Table with columns: ILAR, ILAR, MKAR, MKAR, MKAR, KURK, KURK, KURK, KURK, KURB, KURBB, INK, BVAR, BVAR, CMAR, CMAR, CMAR, CMAR, SPITS, YKA, ARCES, FINES, OBN, OBN, OBN, GEYT, NOA, HFS, NVAR, KIV, KIV, PDAR, FITZ, ASAR, MMAI, TXAR, NWAO. Includes station names, codes, and coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like SFK, MNAS, KK31, AAK, TKM2, AB31 and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like SIMA, GDZ, KULA, DURS, MANT, KHAL, BALB, KZIL, STEP, IGD, CAVI, BORA, MNTY, KDNV, VHO, YLV, SBTS, EDC, GULT and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like OXAX, OXBJ, VHO, PNIG, PCIG and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like PSI, PSI, CMAR, SONMI, KURBB, ZALV and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like ARIG, ZIIG, MEIG, CAIG, MMIG and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like BARC, GIRC, GIRC, BRRC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like PAMC, RUSC, RUSC, PTBC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like TAMC, TAMC, OCAC, YOPC, YOPC, ZARC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like NORC, NORC, CHIC, ROSC, HELC, UREC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like UREC, GUYC, GUYC, WILC, WILC, DBBC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like TOLC, CODC, ANIL, ANIL, SDV, PRAC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like HORQ, SB9, SB9, SB9, SB9, SB9 and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like PB08, PB08, BS02, PB03, PB03, PB06, PB06, PB06, PB07, PB07, PB02, PB02, PB11, PB11, PB11, PB11, PB11 and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like PB11, BS06, PB04, PB04, PB04, PB05, PB05, MNMC, MNMC, MNMC, PSGC, PSGC, PSGC and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like PSGC, PSGC, BS08, BS10, PB10, PB10, PB14, LP4Z, LP4Z, AHML, GO03, VCA, VCA and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like SIV, SIV, AGUA, LCO, APPL, APPL, ACDV, ACDV, GO04, AMOG, CPUP, CPUP, RTLS and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like MRA, MRA, ARCO, ARCO, ROCI, PAM, PAM, NNA, NNA and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like NNA, NNA, GO05, TRQA, GO06, BDFB, BDFB, PLCA, PLCA, PTGA, PTGA and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like RUSC, RUSC, PCRV, CRPR, SJG, SJG, 833A, 833A, V48A, WWT and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like WHTX, TXAR, TX31, CCM, MNTX, MNTX, MNTX, MNTX, 319A, DBIC, ANMO, ANMO, TUC, QSPA, X16A, WUAZ and their details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station codes like KOWA, PV22, O20A, LCMT, P18A, CCUT, MSU, PSUT and their details.

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

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

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

ISK 10:22:54:55.1, 35:43N:27:08E, h5km, ML3.2/15
DDA 10:22:54:57.0, 35:49N:27:24E, h14km, ML3.6
ATH 10:22:54:57.6, 35:48N:27:29E, h22km, 1km, ML3.4/8, Error ellipse: s-maj=2.5km s-min=1.0km az=147.0

ISCJL 10:22:54:58.1, 0.7, 35:44N:0:03:27:29E, 0:03, h10km, 4km, mb3.4/7, Error ellipse: s-maj=5.6km s-min=3.1km az=154.7

ISC 10:22:54:58.6, 1.0, 35:46N:0:04:27:25E, 0:03, h14km, 6km, n65, +1942/92, mb3.6/7, Dodecanese Islands

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like VNA1, Neumayer-Stat, etc.

MLV4, 1/6
NEIC 11 03:33.1.7.0.6.3.82S.130.30E.h35km.mb4.0/1, Error ellipse: s-maj=27.6km s-min=8.0km az=82.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FAKI, BNDI, MSAI, SUII, etc.

IDC 11 03:37.31.5.1.0.0.22S.92.01E.h0km.mb4.0/15, m1.4/11.7, mb1.mnx3.9/65, mbtmp4.0/17, ML2.3.71, MS3.8/46, M1.3.8/46, ms1.mnx3.7/57, Error ellipse: s-maj=24.8km s-min=22.8km az=180.0

NEIC 11 03:37.32.6.0.0.20S.91.99E.h10km.mb4.3/3, Error ellipse: s-maj=14.8km s-min=11.0km az=11.0

ISCJBA 11 03:37.34.8.0.5.0.12S.0.07E.92.13E.0.05.h33km, mb4.2/18, MS3.8/44, Error ellipse: s-maj=10.7km s-min=6.6km az=10.1

GCMT 11 03:37.35.6.0.5.0.03S.0.03E.92.08E.0.03.h21km.2km, MV4.9/70, Moment Tensor Solution, s9,c9; s70,c91; Duration: 0 Moment Tensor: Scale 10^19Nm; M10.29E+14; Mw=0.57E+10; Mw0.27E+12; Mw0.34E+18; Mw1.16E+10; M1=1.72E+31; Best double couple: M2:466000x1016 N1:1.59,190,000000; s86,000000; j,47.000000; N1:2-q9,96,000000; s44,000000; j,174,000000. Principal axes: T 2.3710, Plg34.000000; Azm64.000000; N 0.1900, Plg43.000000; Azm194.000000; P -2.5610, Plg28.000000; Azm314.000000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DJA 11 03:37.49.8.1.1.0.0N.7.9.3E.1.1.h46km.60km.M4.7/8, mb5.9/2, mb4.9/8, MLV4.9/67, Mw(mb)5.5/2

ISC 11 03:37.36.5.0.7.0.11S.0.09E.82.13E.0.06.h35km.n80, z=17/46, mb4.3/18, MS3.8/44, Southwest of Sumatra

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

comp=Z,1.5nm,0.6s,baz=170,slow=10.0,SNR=10
MKAR comp=Z,1.5nm,0.6s,baz=170,slow=10.0,SNR=10

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

SGS 11 04:00:46.5, 30.01N, 34.98E, h10km
HLW 11 04:00:46.9, 30.05N, 35.29E, h8km, 15km, MD3.2

ISCJBA 11 04:00:47.6, 0.3, 29.94N, 0.02, 35.10E, 0.05, h21km, 3km, Error ellipse: s-maj=6.8km s-min=2.7km az=1.9

GII 11 04:00:47.0, 1.29, 36N, 35.13E, h9km, MD3.6/3
ISC 11 04:00:45.7, 0.1, 30.11N, 0.02, 35.21E, 0.04, h17km, 7km, n36, z=18/52, Dead Sea region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HMDT, HMDT, SH2, etc.

NEIC 11 04:21:52.4, 0.0, 19.11N, 67.86W, h149km, MD3.6(RSPR), After RSPR

RSPR 11 04:21:52.4, 19.11N, 67.86W, h149km, 13km, MD3.6/8, 14C-2D, Mona Passage

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

MOS 11 05:08:40.0, 1.3, 50.45N, 157.04E, h120km, mb4.5/1, Error ellipse: s-maj=15.1km s-min=4.4km az=74.4

KRSC 11 05:08:40.6, 2.3, 50.50N, 157.44E, h100km, 19km, ML4.5
IDC 11 05:08:44.0, 2.1, 50.82N, 156.68E, h134km, 25km, mb3.2/9, mb1.3/513, mb1.mnx3.2/74, mbtmp3.7/13, Error ellipse: s-maj=24.5km s-min=12.3km az=150.0

ISC 11 05:08:40.6, 0.9, 50.46N, 0.08, 157.90E, 0.07, h113km, 7km, n78, z=165/96, mb3.5/9, 3C-2D, Kuril Islands

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MK01 Makanchi Array, ZALV Zalesovo Beam, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KIV comp=Z,10.0nm,1.0s, LPSR Galich'ya Gora, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MANT Manisa, BIPH Bislig, and many others.

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WHF	Hehuan Shan	0.66	334	P	09 21 01.1 -0.9	
WHF	baz=335			S	09 21 10.7 -0.7	
TYC	Yuch	0.76	298	P	09 21 02.8 -0.1	
TYC	baz=298			S	09 21 13.7 +0.5	
DPDB	Guoxing	0.77	309	P	09 21 03.2 0.0	
DPDB	baz=316			eS	09 21 14.9 +0.9	
TDCB	Techi	0.81	331	IP	09 21 03.5 -0.2	
TDCB	baz=333			S	09 21 13.4 -1.2	
WJS	Zhushan	0.83	289	eP	09 21 04.2 +0.3	
WJS	baz=289			eS	09 21 16.4 +0.9	
CHNS	Tsauling	0.83	274	P	09 21 04.2 +0.2	
CHNS	baz=272			eS	09 21 16.2 +1.0	
TWH	Lutao	0.84	187	P	09 21 03.4 -0.6	
TWH	baz=180			eS	09 21 15.7 +0.5	
STYT	Tauyuan	0.85	244	P	09 21 04.2 -0.1	
STYT	baz=241			eS	09 21 15.9 +0.3	
TWGBT	Beinan	0.86	213	eP	09 21 02.6 -1.7	
TWGBT	baz=204			eS	09 21 13.7 -2.1	
TWG	Pinglang	0.86	213	P	09 21 02.6 -1.7	
TWG	baz=204			eS	09 21 13.7 -2.2	
TTN	Taitung	0.89	207	eP	09 21 04.2 -0.5	
TTN	baz=207			eS	09 21 16.7 +0.4	
ENA	Nanau	0.89	9	eP	09 21 03.8 -0.9	
NANS	Nano	0.89	10	eP	09 21 03.8 -1.0	
WNT	Mingjian	0.89	292	P	09 21 05.1 +0.4	
NNS	Nan Shan	0.91	348	P	09 21 04.5 -0.6	
NNS	baz=355			eS	09 21 16.7 -0.4	
TPUB	Ta-pu	0.91	255	eP	09 21 05.4 +0.4	
TPUB	baz=253			eS	09 21 17.9 +0.9	
WTP	Ta-pu	0.94	252	P	09 21 05.8 +0.3	
WTP	baz=257			S	09 21 19.0 +1.1	
WGK	Gukeng	0.95	279	eP	09 21 05.0 -0.5	
WGK	baz=278			eS	09 21 16.6 +0.8	
WDLH	Douliu	0.97	279	P	09 21 06.6 +0.8	
WDLH	baz=277			eS	09 21 19.8 +1.3	
SLGT	Liugui	1.02	238	P	09 21 07.1 +0.5	
SLGT	baz=226			eS	09 21 20.9 +1.1	
SGST	Jiashian	1.03	244	P	09 21 07.7 +1.0	
SGST	baz=253			eS	09 21 21.5 +0.3	
CHN1	Nanshi	1.04	250	P	09 21 07.1 +0.3	
CHN1	baz=248			S	09 21 21.4 +1.2	
TKW	Hsinying	1.05	255	P	09 21 07.0 +0.1	
TKW	baz=252			eS	09 21 21.4 +0.9	
CHY	Chiayi	1.07	268	eP	09 21 07.5 +0.3	
CHY	baz=266			eS	09 21 22.5 +1.4	
WCHH	Zhanghua	1.08	300	eP	09 21 07.7 +0.4	
WCHH	baz=299			eS	09 21 22.5 +1.4	
TWC	Suao	1.08	13	P	09 21 07.4 0.0	
TWC	baz=21			eS	09 21 22.5 +1.2	
ENTT	Nioudou	1.09	359	P	09 21 06.7 -0.8	
ENTT	baz=359			eS	09 21 21.1 -0.3	
EOS1	EOS1	1.11	26	P	09 21 08.3 +0.5	
EOS1	baz=38			eS	09 21 23.7 +0.2	
YHNB	Yeheng	1.13	350	IP	09 21 07.9 -0.3	
YHNB	baz=350			eS	09 21 21.8 -0.8	
NSK	Sanguang	1.14	350	P	09 21 08.1 -0.2	
NSK	baz=350			eS	09 21 22.0 -0.8	
NSY	Sanyi	1.15	319	P	09 21 09.1 +0.8	
NSY	baz=319			eS	09 21 24.9 +0.4	
TWE	Neicheng	1.17	4	P	09 21 07.8 -0.8	
TWE	baz=4.0			eS	09 21 08.9 +0.2	
RLNB	Erlin	1.18	287	eP	09 21 08.9 +0.2	
RLNB	baz=286			eS	09 21 24.9 +1.4	
SSD	Sandimen	1.19	228	P	09 21 09.1 +0.3	
SSD	baz=226			eS	09 21 25.5 -0.1	
NSTT	Nanjuang	1.20	334	eP	09 21 10.2 +1.1	
NSTT	baz=334			eS	09 21 24.8 +0.5	
PTSB	Yuanli	1.21	318	eP	09 21 10.3 +1.2	
PTSB	baz=318			eS	09 21 25.4 +1.1	
LIQB	Emei	1.21	335	P	09 21 09.6 +0.5	
LIQB	baz=323			eS	09 21 25.4 +0.9	
NMLH	Miaoli	1.23	324	eP	09 21 09.5 +0.2	
NMLH	baz=323			eS	09 21 25.6 +0.8	
NWL1	Wulai	1.23	356	P	09 21 09.0 -0.4	
NWL1	baz=356			eS	09 21 24.2 -0.6	
WTCT	Ta-ch'eng	1.24	285	eP	09 21 09.8 +0.3	
WTCT	baz=274			eS	09 21 26.5 +1.4	
WSF	Szhu	1.25	274	eP	09 21 09.5 -0.2	
WSF	baz=274			eP	09 21 10.2 +0.1	
CHN8	Yiju	1.28	261	eP	09 21 10.2 +0.1	
CHN8	baz=259			eS	09 21 26.9 +0.9	
MASBT	Mashbuluo	1.28	224	eP	09 21 09.7 -0.3	
MASBT	baz=222			eS	09 21 27.6 +1.5	
SGLT	Jiouru	1.30	231	eS	09 21 27.4 +0.9	
SGLT	baz=218			eP	09 21 11.6 +1.0	
NTC	Toucheng	1.32	10	eP	09 21 28.5 +1.4	
NTC	baz=360			eS	09 21 10.9 +0.1	
SCLT	Jiali	1.33	254	eP	09 21 10.9 +0.1	
SCLT	baz=253			eP	09 21 12.2 +1.3	
WLTB	Daxi	1.33	347	eP	09 21 29.6 -0.2	
WLTB	baz=353			eS		

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
EAST	Anshuo	1.34	211	eP	09 21 09.7 -1.3	
EAST	baz=205			Pn	09 21 12.1 0.0	
TATO	Taipei	1.43	356	eP	09 21 12.1 0.0	
TATO	baz=3.0			eS	09 21 30.0 +0.3	
TWA	Mucha	1.43	360	P	09 21 12.1 0.0	
TWA	baz=6.0			eS	09 21 29.9 +0.1	
TIPB	Shuangxi	1.44	9	P	09 21 12.3 0.0	
TIPB	baz=6.0			eP	09 21 12.4 -0.2	
NCUH	Zhongli	1.46	346	eP	09 21 12.4 -0.2	
NCUH	baz=357			eP	09 21 13.2 +0.5	
SCZT	Fangliu	1.47	217	eP	09 21 13.2 +0.5	
SCZT	baz=218			eP	09 21 13.7 +0.5	
TWB1	Santiao Chiao	1.50	14	eP	09 21 14.0 +0.8	
TWB1	baz=3.0			eP	09 21 13.6 0.0	
LAY	Lan-yu	1.50	181	eP	09 21 13.6 0.0	
LAY	baz=176			P	09 21 13.6 +0.1	
NWF	Wu-fen Shan	1.53	7	P	09 21 13.6 +0.1	
NWF	baz=5.0			P	09 21 14.1 +0.5	
WFSP	Wu-fen Shan	1.53	7	P	09 21 13.6 +0.1	
WFSP	baz=5.0			eS	09 21 33.2 +0.8	
JYNG	Yonagunijimaku	1.54	54	P	09 21 14.0 +0.1	
JYNG	baz=5.0			eS	09 21 14.9 +0.6	
TWS1	Kuangyinshan	1.55	354	eP	09 21 14.9 +0.6	
TWS1	baz=5.0			eS	09 21 34.6 +0.9	
YOJ	Yonaguni jima	1.59	55	P	09 21 14.9 +0.6	
YOJ	baz=5.2			S	09 21 34.6 +0.9	
YOJ	Yonaguni jima	1.59	55	P	09 21 14.9 +0.6	
YOJ	baz=5.2			S	09 21 34.6 +0.9	
YMO4	YMO4	1.60	358	eP	09 21 14.3 -0.3	
YMO4	baz=357			eP	09 21 14.2 -0.5	
YMO5	YMO5	1.61	359	eP	09 21 14.3 -0.3	
YMO5	baz=358			eP	09 21 15.9 +1.0	
YMO7	YMO7	1.62	1	eP	09 21 15.9 +1.0	
YMO7	baz=360			eP	09 21 16.4 -0.8	
YMO3	YMO3	1.62	359	eP	09 21 16.4 -0.8	
YMO3	baz=357			eS	09 21 37.6 -1.1	
WDGT	Dungli	1.79	261	eP	09 21 37.6 -1.1	
WDGT	baz=258			eS	09 21 17.3 -0.6	
PHUB	P'eng-hu	1.85	269	eP	09 21 17.3 -0.6	
PHUB	baz=267			eS	09 21 38.7 -1.4	
PHUB	P'eng-hu	1.85	269	eP	09 21 17.3 -0.6	
PHUB	baz=267			eS	09 21 38.7 -1.4	
PNG	Penghu	1.86	271	eP	09 21 17.5 -0.6	
PNG	baz=269			eS	09 21 39.1 -1.4	
HATJ	Hateruma jima	2.10	76	P	09 21 21.5 +0.2	
HATJ	baz=76			eS	09 21 46.5 +0.3	
IRIF	Irimote-Funau	2.11	68	P	09 21 22.2 +0.7	
IRIF	baz=68			eS	09 21 47.2 +0.6	
JKRS	Kuro-shima	2.32	72	P	09 21 25.0 +0.6	
JKRS	baz=72			eS	09 21 53.3 +1.5	
JKRS	Kuro-shima	2.32	72	P	09 21 25.0 +0.6	
JKRS	baz=72			eS	09 21 53.3 +1.5	
YWUC	YWUC	2.42	307	eP	09 21 24.9 -0.9	
YWUC	baz=307			eS	09 21 51.4 -2.9	
JJJ	Ishigaki jima	2.48	70	P	09 21 26.4 -0.1	
JJJ	baz=70			S	09 21 54.8 -0.8	
JJJ	Ishigaki jima	2.48	70	P	09 21 26.4 -0.1	
JJJ	baz=70			S	09 21 54.8 -0.8	
JISG	Ishigakijimahi	2.70	67	P	09 21 29.4 -0.2	
JISG	baz=67			S	09 22 00.1 -1.0	
MATB	Ma-tsu	2.99	330	eP	09 21 32.1 -1.6	
MATB	baz=329			eS	09 22 05.6 -2.7	
MTB	Tarama	3.05	68	P	09 21 35.1 +0.7	
MTB	baz=68			S	09 22 09.1 -0.7	
JTJ	JIRB	3.52	68	P	09 21 39.0 -1.8	
JTJ	baz=68			eS	09 22 19.8 -1.5	

MAN 11 09:26:28.4, 13.87N:120.43E, h80km, mb4.6, ML3.4, MS3.3, 1C, Mindoro

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
LUBP	Lubang	0.22	233	eP	09 26 41.3 +0.9	
LUBP	baz=233			eS	09 26 52.0 +2.9	
TGY	Tagaytay City	0.55	65	IP	09 26 44.4 +1.7	
TGY	baz=65			S	09 26 55.7 +2.4	
BOAC	Boac	1.44	106	eP	09 26 41.8 -1.1	
BOAC	baz=106			eS	09 27 13.2 +1.8	
SJMP	San Jose	1.55	154	eP	09 26 56.0 +1.5	
SJMP	baz=154			eS	09 27 16.0 +1.8	
BUSP	Coron	1.87	187	eP	09 26 59.4 +0.8	
BUSP	baz=187			eS	09 27 23.0 +1.5	
BOLP	Bolinao	2.55	349	eP	09 27 09.0 +1.3	
BOLP	baz=349			eS	09 27 39.3 +1.5	
ENPP	EI Nido	2.82	200	eP	09 27 11.7 +0.3	
ENPP	baz=200			eS	09 27 44.7 +0.3	

NNC 11 09:31:51.3:3.3, 37.05N:70.45E, h0km, mb3.6, mpv3.2, 2C-4D, Error ellipse: s-maj=25.0km s-min=20.9km

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SFK	Sufi-Kurgan	3.81	38	IP	09 32 51.3 -0.1	
SFK	baz=38			SN	09 33 38.4 +1.3	
MNAS	Manas	5.66	16	IP	09 33 16.6 -0.2	
MNAS	baz=16			SN	09 34 24.3 +1.7	
KK31	Karayat Array	6.05	0	IP	09 33 22.6 +0.6	
KK31	baz=0			SN	09 34 32.5 +0.5	

IDC 11 09:34:19.0:0.4, 39.92N:78.21E, h0km, mb4.9/4.9, mb1 5.0/5.5, mb1mx4.9/7.4, mbtmp4.9/5.5, ML4.1/6, MS4.9/6.2, MS1 4.9/6.2, ms1mx4.9/7.1, Error ellipse: s-maj=9.7km s-min=7.5km az=5.0

SOME 11 09:34:20.8, 39.98N:78.20E, h10km, MS5.4, BU1 11 09:34:20.6, 39.99N:78.18E, h16km, mb5.0/6.3, mb5.3/4.7, ML5.4/7, MS5.2/7.7, MS7.5/0.69
KRNET 11 09:34:20.5:0.1, 39.91N:78.67E, mb5.8, MOS 11 09:34:21.2, 1.0, 39.96N:78.22E, h23km, mb5.4/9.7, MS5.2/5.2, Error ellipse: s-maj=4.8km s-min=3.1km az=126.0
GCMT 11 09:34:21.8:0.1, 39.96N:0.01:78.15E:0.01:1, h12km, MW5.3/126, Moment Tensor Solution. s92.c143, s126.c269; Duration: t11 Moment tensor: Scale 1017 Nm; Mr:1.11e+01; M0:1.17e+01; M00:0.06e+01; M01:0.08e+04; M02:0.26e+01; M03:0.05e+04; Best double couple: M0:1.700

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like AAK Ala-Archa, CHMS Chumysh, and many others.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like PYUN Piuthan, KOLN Koldanda, and many others.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like TLY TLY, BOM Bombay, and many others.

KBZ	comp=Z,3um,20.2s,baz=93,slow=39	LR	LR	09 51 20.5					
KVAR	Kislovodsk Arr 26.48 290 P	P	P	09 39 58.7 +0.3					
KVAR	comp=Z,7.5nm,0.6s,baz=72,slow=3.2,SNR=6.5	LR	LR	09 51 25.5					
KIV	comp=Z,2um,20.6s,baz=76,slow=39	LR	LR	09 51 25.5					
Kislovodsk	26.48 290 eP	P	P	09 39 59.0 +0.6					
Kislovodsk	comp=Z,44nm,0.7s	LR	LR	09 51 25.5					
KIV	Kislovodsk 26.48 290 P	P	P	09 39 59.2 +0.7					
KIV	SNR=7.0	LR	LR	09 51 25.5					
Kislovodsk	26.48 290 eP	P	P	09 39 59.3 +0.9					
KIV	eS	S	S	09 40 38.5					
KIV	iS	S	S	09 44 39.1 +7.7					
KIV	comp=Z,5.0nm,0.7s	Pmax	Pmax						
KIV	MLR	MLR	MLR						
NEY	comp=Z,2um,15.0s	LR	LR	09 51 25.5					
Neytrino	26.51 289 iP	P	P	09 40 01.0 +2.2					
NEY	iP	Pmax	Pmax						
TIY	comp=Z,3.0nm,0.8s	eP	eP	09 40 17.7 +1.0					
TIY	S	S	S	09 44 35.9 +0.4					
TIY	sS	S	S	09 44 48.5 +3.4					
TIY	comp=Z,330nm,1.8s	Pmax	Pmax						
TIY	comp=Z,290nm,4.0s	Pmax	Pmax						
TIY	comp=Z,2um,8.8s	LR	LR						
TIY	comp=Z,3um,16.0s	LR	LR						
TIY	comp=Z,4um,22.2s	LR	LR						
MZR	Muzera 26.86 238 iP	P	P	09 40 01.0 -0.8					
MZR	SNR=12	LR	LR						
MDRS	Chennai 26.92 175 eP	P	P	09 39 57.7 -4.7					
GVA	Guiyang 27.32 111 iP	P	P	09 40 07.0 +0.9					
GVA	pP	P	P	09 40 14.6 +0.3					
GVA	PnPn	P	P	09 40 54.0 +3.8					
GVA	PcP	P	P	09 43 27.2 +1.9					
GVA	S	S	S	09 44 44.7 -0.3					
GVA	sS	S	S	09 44 55.0 +0.4					
GVA	SnSn	S	S	09 45 58.9 +5.0					
GVA	ScP	S	S	09 47 04.2 -0.4					
GVA	ScS	S	S	09 50 54.0 -2.4					
GVA	Pmax	Pmax	Pmax						
GVA	comp=Z,40nm,1.0s	Pmax	Pmax						
GVA	comp=Z,170nm,5.3s	LR	LR						
GVA	comp=Z,2um,15.2s	LR	LR						
GVA	comp=Z,1um,14.6s	LR	LR						
GVA	comp=Z,3um,15.2s	LR	LR						
ENH	Enshi 27.33 101 eP	P	P	09 40 06.7 +0.7					
VRH	Novokhoporsky 27.51 306 eS	S	S	09 40 07.7 +0.2					
VRH	eS	S	S	09 44 43.8 -3.5					
VRH	Pmax	Pmax	Pmax						
VRH	comp=Z,30nm,0.6s	Smax	Smax						
VRH	comp=N,420nm,3.3s	MLR	MLR						
CHTO	Chiang Mai 27.74 134 eP	P	P	09 40 09.2 -0.6					
CHTO	comp=Z,32nm,1.0s	P	P	09 40 12.3 +2.5					
CHTO	SNR=11	LR	LR						
CHTO	Chiang Mai 27.74 134 eP	P	P	09 40 09.2 -0.6					
CHTO	Pmax	Pmax	Pmax						
CHTO	comp=Z,32nm,1.0s	P	P	09 40 10.2 +0.4					
CHTO	comp=Z,169nm,1.1s	P	P	09 40 10.1 +0.3					
CMMT	Chiang Mai 27.74 134 P	P	P	09 40 10.1 +0.3					
CM31	Chiang Mai Arr 28.03 133 eP	P	P	09 40 10.9 -1.4					
CMAR	Chiang Mai Arr 28.03 134 P	P	P	09 40 11.9 -0.4					
CMAR	comp=Z,15nm,0.8s,baz=319,slow=9.3,SNR=28	LR	LR	09 53 00.4					
CMAR	comp=Z,1um,19.2s,baz=276,slow=40	P	P	09 40 12.0 -0.4					
CMAR	Chiang Mai Arr 28.03 134 P	Pmax	Pmax						
CMAR	comp=Z,15nm,0.8s	MLR	MLR						
CMAR	comp=Z,1um,19.2s	MLR	MLR						
CM01	Chiang Mai Arr 28.07 134 eP	P	P	09 40 12.5 -0.2					
LAMP	Lampang 28.36 133 P	P	P	09 40 16.5 +1.2					
SOC	comp=Z,9.8nm,0.8s,comp=Z,198nm	P	P	09 40 18.2 +0.4					
SOC	Sochi 28.66 290 iP	eS	eS	09 45 04.4 -1.1					
SOC	eS	SnSn	SnSn	09 46 34.9 +8.9					
SOC	iSS	Pmax	Pmax						
SOC	comp=Z,16nm,0.5s	MLR	MLR						
SOC	comp=Z,1um,11.0s	MLR	MLR						
PHRA	Phrae 28.71 132 P	P	P	09 40 19.0 +0.5					
BJI	Beijing 29.01 78 P	P	P	09 40 20.5 -0.4					
BJI	S	S	S	09 45 08.1 -2.9					
BJI	LR	LR	LR						
BJI	comp=Z,4um,12.3s	LR	LR						
BJI	comp=Z,5um,19.4s	LR	LR						
BJI	comp=Z,3um,20.8s	LR	LR						
BOD	Bodaibo 29.07 40 eP	P	P	09 40 21.2 -0.1					
BOD	comp=Z,20nm,1.5s	Pmax	Pmax						
VSR	Storozhevoye 29.11 306 eP	P	P	09 40 21.8 +0.2					
VSR	eP	S	S	09 41 12.7					
VSR	eS	S	S	09 45 09.1 -3.3					
VSR	Pmax	Pmax	Pmax						
VSR	comp=Z,20nm,0.6s	Smax	Smax						
VSR	comp=N,440nm,3.8s	MLR	MLR						
VORR	comp=Z,10um,20.0s	MLR	MLR						
VORR	Voronezh 29.14 307 eP	P	P	09 40 22.0 +0.1					
VORR	Pmax	Pmax	Pmax						
SUKH	Sukhothai 29.20 134 P	P	P	09 40 24.1 +1.4					
PRGR	Permogore 29.28 328 eP	Pmax	Pmax	09 40 24.2 +1.1					
PRGR	Pmax	Pmax	Pmax						
LPSR	Galich'ya Gora 29.45 308 eP	P	P	09 40 25.0 +0.3					
LPSR	comp=Z,40nm,0.9s	Pmax	Pmax						
LPSR	comp=Z,15um,20.0s	MLR	MLR						
GZH	Noril'sk 29.80 7 P	P	P	09 40 27.7 +0.1					
NRIK	comp=Z,5.3nm,0.8s,baz=151,slow=24,SNR=4.3	LR	LR	09 53 47.6					
NRIK	comp=Z,5um,18.5s,baz=252,slow=39	P	P	09 40 27.7 +0.1					
NRIK	Noril'sk 29.80 7 P	Pmax	Pmax						
NRIK	comp=Z,4.0nm,0.6s	MLR	MLR						
NRIK	comp=Z,5um,18.5s	MLR	MLR						
PHIT	Phitsanulok 29.87 133 eP	P	P	09 40 36.9 +8.2					
ANN	Anapa 30.17 293 eP	P	P	09 40 31.0 -0.1					
ANN	e	P	P	09 41 29.3					
ANN	ePPP	PPP	PPP	09 41 40.9					
ANN	eS	S	S	09 45 29.0 -0.2					
ANN	eSSS	S	S	09 47 29.7					
ANN	Pmax	Pmax	Pmax						
ANN	comp=Z,52nm,1.1s	MLR	MLR						
UTHA	Uthaitani 30.68 137 P	P	P	09 40 37.9 +2.1					
UTHA	comp=Z,5.7nm,1.1s	P	P	09 40 36.3 +0.5					
PBK1	Sadao Pong 30.68 133 eP	P	P	09 40 37.2 +1.4					
PBK1	comp=Z,25nm,1.2s	P	P	09 40 35.2 -0.6					
HIA	Hailar 30.69 59 eP	P	P	09 40 35.2 -0.6					
HIA	comp=Z,14nm,1.1s	Pmax	Pmax						
HIA	comp=Z,14nm,1.1s	Pmax	Pmax						
TIA	Tai'an 30.77 84 P	P	P	09 40 37.1 +0.5					
TIA	S	S	S	09 45 42.1 +3.3					
TIA	Pmax	Pmax	Pmax						
TIA	comp=Z,19nm,1.4s	Pmax	Pmax						

TIA	comp=Z,2um,15.2s	LR	LR						
TIA	comp=Z,3um,19.9s	LR	LR						
TIA	comp=Z,4um,17.7s	LR	LR						
NONG	Nongkai 30.77 128 P	P	P	09 40 38.1 +1.4					
MOS	comp=Z,0.4nm,1.4s,comp=Z,42nm	P	P	09 40 36.7 -0.1					
MOS	Moscow 30.83 314 e	S	S	09 45 38.8 -0.5					
MOS	eS	S	S	09 51 07.9					
MOS	Pmax	Pmax	Pmax						
MOS	comp=Z,112nm,1.2s	MLR	MLR						
MOS	comp=E,4um,16.0s	MLR	MLR						
MOS	comp=Z,6um,16.0s	MLR	MLR						
WHN	Whan 30.89 96 P	P	P	09 40 37.9 +0.3					
WHN	S	S	S	09 45 35.6 -5.1					
WHN	LR	LR	LR						
WHN	comp=Z,4um,12.7s	LR	LR						
WHN	comp=Z,4um,13.3s	LR	LR						
WHN	comp=Z,8um,14.2s	LR	LR						
PBA	Port Blair 31.09 151 eP	P	P	09 40 40.1 +0.7					
OBN	Obninsk 31.28 313 eP	P	P	09 40 41.1 +0.3					
OBN	comp=Z,307nm,1.5s	P	P	09 40 41.1 +0.3					
OBN	comp=Z,147nm,1.3s	P	P	09 40 41.5 +0.7					
OBN	Obninsk 31.28 313 eP	P	P	09 41 46.8					
OBN	iS	S	S	09 45 51.6 +5.2					
OBN	Pmax	Pmax	Pmax						
OBN	comp=Z,34nm,0.9s	MLR	MLR						
OBN	comp=Z,5um,19.0s	MLR	MLR						
KLMR	Klimovskoe 31.52 324 eP	P	P	09 40 41.7 -1.1					
KLMR	KLMR	Pmax	Pmax	09 41 45.2					
KLMR	KLMR	Pmax	Pmax						
KLMR	comp=Z,187nm,1.0s	MLR	MLR						
KLMR	comp=Z,7um,12.0s	MLR	MLR						
KLMR	Klimovskoe 31.52 324 eP	P	P	09 40 41.7 -1.1					
KLMR	KLMR	AMP	AMP	09 40 46.1					
KLMR	comp=Z,187nm,1.0s	LO	LO	09 41 45.3 -0.7					
KLMR	KLMR	LO	LO	09 49 46.8					
KLMR	KLMR	LO	LO	09 49 46.8					
KLMR	KLMR	LR	LR	09 52 32.7					
KLMR	KLMR	AMP	AMP	09 53 36.1					
SRDT	comp=Z,7um,11.5s	P	P	09 40 46.1 +2.8					
SRDT	SRDT 31.52 138 P	P	P	09 40 46.1 +2.8					
SRDT	comp=Z,18nm,1.8s,comp=Z,3um	P	P	09 40 51.8 +5.0					
KHON	Khonkaen 31.93 131 P	P	P	09 40 51.8 +5.0					
KHON	comp=Z,8.7nm,0.7s	P	P	09 40 47.6 0.0					
RAYN	Ar Rayn 32.00 249 eP	P	P	09 40 47.6 0.0					
RAYN	comp=Z,61nm,1.2s	Pmax	Pmax						
RAYN	Ar Rayn 32.00 249 eP	Pmax	Pmax						
RAYN	RAYN	Pmax	Pmax						
SKNT	Sakonnakorn 32.12 128 P	P	P	09 40 49.3 +0.8					
SKNT	comp=Z,29nm,1.4s	P	P	09 40 52.7 +1.0					
SIM	Simferopol 32.50 293 eP	S	S	09 46 11.0 +5.4					
SIM	SIM	Pmax	Pmax						
SIM	comp=Z,154nm,1.8s	MLR	MLR						
PALK	Pallekele 32.70 175 LR	LR	LR	09 54 57.4					

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Karatay Array, Inuvik, Arti, ABKAR, AKTYBINSK, etc.

MEX 11 10:36:39.1-0.4, 16:13N:97:22W, h19km, 75km, MD3.9, Oaxaca

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RIZ, Raoul Island, RIZ, Matakaoa Point, WNGZ, Waiomatatini S, etc.

THR 11 11:14:21.7-0.3, 28:07N:57:71E, h30km, 4km, ML3.8

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NIAN, GENO, BNDS, KHSK, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IPAR, Pars, WSAR, Wadi Sarin, etc.

MOS 11 11:19:28.0, 2.2, 49:89N:157:20E, h50km, mb4.2/1, Error ellipse: s-maj=33.7km, s-min=5.3km, az=82.3

KRSC 11 11:19:28.0, 2.0, 49:89N:157:20E, h50km, 32km, ML4.0, East of Kuril Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SKR, Severo-Kuril's, SKR, Severo-Kuril's, etc.

SRNC 11 11:41:50.8, 0.9, 5:79N:76:85W, h4km, 6km, ML3.5, Mw3.6

DC 11 11:41:52.0, 0.9, 5:93N:76:92W, h4km, 6km, mb3.7/3, mb1.3, 8/10, mb1mx3.5/45, mbtm3.9/10, ML3.0/3, MS3.2/7, Ms1.3, 2/3, ms1mx2.7/44, Error ellipse: s-maj=29.5km

ISC 11 11:41:49.4, 0.8, 5:84N:0:04, 76:89W, 0:05, h23km, 5km, n23, c146/30, mb3.7/7, Colombia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SOLC, Bahia Solano, SOLC, San Jos' del, PLMC, Santa Helena, etc.

11d 12h

2012 AUG

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Table with columns: Station, Frequency, Mode, Power, SNR, etc. Includes stations like San Fernando, Viseu, Barrancos, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, etc. Includes stations like Ulanbaatar, Kondoa, Lanzhou, etc.

Table with columns: Station, Frequency, Mode, Power, SNR, etc. Includes stations like Xi'an, Payao, Lampang, etc.

TIA	S	S	12 40 31.1	+3.8
TIA	pmax	pmax		
TIA	comp=Z,3µm,5.9s	LR	LR	
TIA	comp=Z,35µm,18.6s	LR	LR	
TIA	comp=Z,31µm,21.1s	LR	LR	
TIA	comp=Z,42µm,20.1s	LR	LR	
ZEA	Zeya	54.87 46	eP	P
ZEA			12 32 48.2	0.0
ZEA			12 33 44.0	
ZEA			12 34 57.0	
ZEA			12 36 00.5	
ZEA			12 40 27.5	-2.0
ZEA			12 46 17.0	
ZEA	comp=E,100nm,1.2s	pmax	pmax	
ZEA	comp=Z,140nm,1.0s	pmax	pmax	
ZEA	comp=E,2µm,6.0s	pmax	pmax	
ZEA	comp=Z,5µm,6.0s	smax	smax	
ZEA	comp=N,5µm,16.0s	smax	smax	
ZEA	comp=E,10µm,16.0s	smax	smax	
WHN	Wuhan	55.10 76	IP	P
WHN			12 32 50.7	+0.5
WHN	comp=E,84µm,25.6s	LR	LR	
WHN	comp=E,129µm,45.3s	LR	LR	
WHN	comp=E,43µm,28.3s	LR	LR	
BART	Pico Bartolome	55.27 294	eP	P
BART			12 32 50.8	-0.7
PKDT	Phuket	55.32 109	P	P
PKDT			12 32 52.0	0.0
PCALD	Caldeiras da R	55.49 294	eP	P
PCALD			12 32 54.4	+0.4
PSMN	Pico do Norte,	55.52 293	eP	P
PSMN			12 32 52.8	-0.4
CMLA	Cha da Macela	55.53 294	eP	P
CMLA			12 32 54.5	+1.2
CMLA	Cha da Macela	55.53 294	eP	P
CMLA			12 32 53.4	+0.1
CMLA	comp=E,2µm,2.0s	eS	LR	
CMLA	comp=Z,30µm,19.0s	LR	LR	
CMLA	Cha da Macela	55.53 294	eP	P
CMLA			12 32 53.4	+0.1
CMLA			12 40 39.5	+0.7
CMLA	comp=Z,2µm,2.0s	MLR	MLR	
GRON	Grota Negra	55.54 294	eP	P
GRON			12 32 55.7	+2.4
PSMA	Santa Maria	55.57 293	eP	P
PSMA			12 32 54.1	+0.6
PDA	Ponta Delgada	55.64 294	A	A
PDA			12 33 01.5	
PSET	Sete Cidades	55.65 294	eP	P
PSET			12 32 54.1	0.0
LHMI	Lhok Samawe	56.09 113	PFAKE	LR
LHMI			12 33 10.0	+1.2
LSZ	Lusaka	56.19 202	P	P
LSZ			12 32 58.7	+0.5
LSZ	comp=Z,47nm,1.1s,baz=28,slo=8.3,SNR=15	LR	LR	
LSZ	comp=Z,50µm,19.6s,baz=32,slo=38	LR	LR	
LSZ	Lusaka	56.19 202	eP	P
LSZ			12 32 59.4	+1.3
LSZ	Lusaka	56.19 202	P	P
LSZ			12 32 59.9	+1.7
LSZ	Lusaka	56.19 202	eP	P
LSZ			12 32 59.4	+1.3
DBIC	Dimbokro	56.28 250	P	P
DBIC			12 32 56.6	-2.2
DBIC	comp=Z,43nm,0.8s,baz=29,slo=6.2,SNR=52	LR	LR	
DBIC	comp=Z,30µm,19.9s,baz=24,slo=41	LR	LR	
DBIC	Dimbokro	56.28 250	eP	P
DBIC			12 32 56.6	-2.2
DBIC	Dimbokro	56.28 250	eP	P
DBIC			12 32 56.6	-2.2
PSCM	Serra do Cume	56.28 295	eP	P
PSCM			12 32 58.4	-0.2
TRIT	Trang	56.37 108	P	P
TRIT			12 32 57.9	-1.6
KIC	Kosan Boka	56.40 249	eP	P
KIC			12 32 56.6	-3.1
TIC	Toumodi	56.42 250	eP	P
TIC			12 32 56.7	-3.1
OPO	Ambohitratompo	56.67 180	P	P
OPO			12 32 59.4	-2.2
OPO	comp=Z,21nm,1.0s,baz=11,slo=7.7,SNR=9.1	LR	LR	
OPO	comp=Z,70µm,20.8s,baz=358,slo=36	LR	LR	
LIC	Lamto	56.70 249	eP	P
LIC			12 32 59.0	-2.9
PGRA	Graciosa	56.76 296	eP	P
PGRA			12 33 04.8	+2.8
DL2	Dalian	56.79 64	IP	S
DL2			12 33 02.9	+0.7
DL2	comp=Z,500nm,1.2s	pmax	pmax	
DL2	comp=Z,3µm,3.5s	pmax	pmax	
DL2	comp=Z,32µm,17.7s	LR	LR	
DL2	comp=Z,23µm,15.7s	LR	LR	
DL2	comp=Z,30µm,17.3s	LR	LR	
SNY	Shenyang	56.93 60	IP	P
SNY			12 33 05.0	+1.9
SNY			12 35 11.8	+2.4
SNY			12 40 55.2	-1.9
SNY	comp=Z,70nm,2.4s	pmax	pmax	
SNY	comp=Z,3µm,6.7s	LR	LR	
SNY	comp=Z,84µm,15.4s	LR	LR	
SNY	comp=Z,32µm,16.7s	LR	LR	
SNY	comp=Z,84µm,19.3s	LR	LR	
KULLO	Kullorsuaq	56.98 342	iP	P
KULLO			12 33 05.4	+2.4
KULLO	comp=Z,56µm,18.0s	MLR	MLR	
PMAN	Manadas	57.00 296	eP	P
PMAN			12 33 07.5	+3.8
ROSA	Rosais	57.07 296	eP	P
ROSA			12 33 07.5	+3.3
ROSA	comp=Z,246nm,2.8s	LR	LR	
ROSA	comp=Z,333nm,1.5s	LR	LR	
ROSA	comp=Z,17µm,19.0s	LR	LR	
ABPO	Ambohimanpon	57.12 180	eP	P
ABPO			12 33 04.4	-0.3
ABPO	comp=Z,78µm,21.0s	LR	LR	
ABPO	Ambohimanpon	57.12 180	eP	P
ABPO			12 33 04.4	-0.3
ABPO	comp=Z,340nm,1.6s	pmax	pmax	
PICO	Pico	57.29 296	eP	P
PICO			12 33 07.5	+1.6
PCAN	Candelaria	57.35 296	eP	P
PCAN			12 33 06.6	+0.4
ILULI	Ilulissat	57.38 335	eP	P
ILULI			12 33 05.9	0.0
ILULI	comp=Z,85nm,1.0s	LR	LR	
ILULI	comp=Z,62µm,19.0s	LR	LR	
ILULI	Ilulissat	57.38 335	iP	P
ILULI			12 33 08.1	+2.2
ILULI	Ilulissat	57.38 335	eP	P
ILULI			12 33 05.9	0.0
PCED	Cedros	57.43 296	eP	P
PCED			12 33 08.9	+2.1
QIZ	Qiongzong	57.46 91	P	P
QIZ			12 33 08.0	+0.0
QIZ			12 41 06.3	+1.6
QIZ			12 42 56.3	-0.9
QIZ	comp=Z,18µm,16.2s	LR	LR	

QIZ	comp=Z,36µm,21.6s	LR	LR	
QIZ	comp=Z,18µm,19.1s	LR	LR	
QIZ	Giongzong	57.46 91	eP	P
QIZ			12 33 08.7	+1.5
SKLT	Songkhla	57.50 108	P	P
SKLT			12 33 07.2	-0.3
TPTI	Nanjing	57.62 114	P	P
TPTI			12 33 01.3	-7.0
NJ2		57.81 73	eP	P
NJ2			12 33 10.4	+0.5
NJ2	comp=Z,34nm,0.8s	pmax	pmax	
NJ2	comp=Z,3µm,7.0s	pmax	pmax	
NJ2	comp=Z,12µm,22.2s	LR	LR	
NJ2	comp=Z,11µm,13.0s	LR	LR	
NJ2	comp=Z,4µm,16.3s	LR	LR	
KCSI	Kotacane, Aceh	57.86 114	P	P
KCSI			12 33 05.2	-4.9
GZH	Guangzhou	58.02 85	P	P
GZH			12 33 11.5	+0.4
GZH	comp=Z,140nm,1.0s	PcP	PcP	
GZH	comp=Z,117nm,2.1s,comp=Z,3µm,5.9s	PcP	PcP	
GZH	comp=Z,7µm,15.3s	S	S	
GZH	comp=Z,3µm,7.0s	SS	SS	
GZH	comp=Z,41µm,21.2s	LR	LR	
GZH	comp=Z,40µm,21.2s	LR	LR	
SFJD	Kangerlussuaq	58.08 333	P	P
SFJD			12 33 11.8	+1.0
SFJD	comp=Z,7.2nm,0.8s,baz=76,slo=11,SNR=8.6	LR	LR	
SFJD	comp=Z,7.5µm,19.6s,baz=62,slo=36	LR	LR	
SFJD	Kangerlussuaq	58.08 333	eP	P
SFJD			12 33 12.9	+2.1
SFJD	comp=Z,214nm,1.7s	IP	IP	
SFJD	Kangerlussuaq	58.08 333	IP	P
SFJD			12 33 12.3	+1.5
SFJD	comp=Z,7.9µm,1.0s	pmax	pmax	
SFJD	Kangerlussuaq	58.08 333	eP	P
SFJD			12 33 12.9	+2.1
NRS	Narsarsuaq	58.26 325	PFAKE	LR
NRS			12 33 30.0	+1.8
NRS	comp=Z,23µm,20.0s	MLR	MLR	
NRS	Narsarsuaq	58.26 325	IP	P
NRS			12 33 14.6	+2.4
NRS	comp=Z,23µm,20.0s	MLR	MLR	
NRS	Narsarsuaq	58.26 325	IP	P
NRS			12 33 14.6	+2.4
NRS	comp=Z,96nm,0.9s	MLR	MLR	
NRS	comp=Z,32µm,18.0s	MLR	MLR	
TULEG	Thule	58.55 346	eP	P
TULEG			12 33 18.0	+3.9
TULEG	comp=Z,510nm,1.7s	LR	LR	
TULEG	comp=Z,78µm,22.0s	LR	LR	
MCO	Taipa Grande	58.70 85	P	P
MCO			12 33 20.0	+4.2
KULM	Kulim	58.76 110	P	P
KULM			12 33 15.0	-1.3
H07S1	FLORES T-PHASE	58.87 298	eP	P
H07S1			12 33 17.4	+0.6
KLR	Klor	59.15 50	LR	LR
KLR			13 01 49.1	
KLR	Kul'dur	59.15 50	eP	P
KLR			12 33 18.7	+0.1
PSI	Prapat	59.19 113	P	P
PSI			12 33 16.9	-2.6
PSI	comp=Z,42nm,1.0s,baz=359,slo=2.0,SNR=30	LR	LR	
PSI	comp=Z,22µm,21.6s,baz=271,slo=38	LR	LR	
PSI	Prapat	59.19 113	eP	P
PSI			12 33 16.6	-2.8
PSI	comp=Z,218nm,1.2s	MLR	MLR	
PSI	Prapat	59.19 113	eP	P
PSI			12 33 16.6	-2.8
MRIV	Mauritius Mete	59.24 168	eP	P
MRIV			12 33 18.8	-0.6
MRIV	comp=Z,220nm,1.2s	LR	LR	
MRIV	comp=Z,174nm,1.2s	LR	LR	
GSI	Gunungsitoli	59.26 116	P	P
GSI			12 33 16.6	-3.2
GSI	Gunungsitoli	59.26 116	eP	P
GSI			12 33 18.4	-1.4
IVI	Ivigtut	59.47 326	eP	P
IVI			12 33 22.3	+1.8
IVI	comp=Z,38µm,21.0s	LR	LR	
IVI	comp=Z,299nm,1.5s	LR	LR	
MDJ	Mudanjiang	59.75 55	P	P
MDJ			12 33 21.3	-1.5
MDJ	comp=Z,3µm,5.0s	LR	LR	
MDJ	comp=Z,64µm,18.3s	LR	LR	
MDJ	comp=Z,57µm,17.9s	LR	LR	
MDJ	comp=Z,115µm,19.5s	LR	LR	
MDJ	Mudanjiang	59.75 55	eP	P
MDJ			12 33 24.6	+1.8
MDJ	comp=Z,219nm,1.5s	LR	LR	
RER	Riviere de l'E	59.83 170	eP	P
RER			12 33 23.7	+0.1
RER	comp=Z,176nm,0.9s	LR	LR	
RER	comp=Z,34µm,19.0s	LR	LR	
SSE	Sheshan	60.02 72	P	P
SSE			12 33 25.2	+0.4
SSE	comp=Z,51nm,0.7s	eP	S	
SSE	comp=Z,1µm,3.2s	pmax	pmax	
SSE	comp=Z,2µm,3.2s	pmax	pmax	
SSE	comp=Z,9µm,17.3s	LR	LR	
PBSI	Pulau Batu	60.72 116	P	P
PBSI			12 33 28.1	-1.7
INCN	Inchon	60.95 64	eP	P
INCN			12 33 30.9	-0.3
INCN	comp=Z,262nm,1.4s	LR	LR	
INCN	comp=Z,40µm,20.0s	LR	LR	
INCN	SNR=23	LR	LR	
INCN	Inchon	60.95 64	eP	P
INCN			12 33 30.9	-0.3
INCN	comp=Z,262nm,1.4s	MLR	MLR	
INCN	comp=Z,40µm,20.0s	MLR	MLR	
MNSI	Mandailing Nat	61.04 115	P	P
MNSI			12 33 30.1	-1.9
OZH	Qanzhou	61.13 80	IP	S
OZH			12 33 32.8	+0.3
OZH	comp=Z,12µm,15.1s	S	LR	
OZH	comp=Z,7µm,15.3s	LR	LR	
OZH	comp=Z,9µm,15.1s	LR	LR	
GRNR	Gornyy	61.22 46	eP	P
GRNR			12 33 36.0	+3.2
GRNR	comp=Z,26nm,1.0s	pmax	pmax	
USA0B	Ussuriysk Arra	61.47 55	eP	P
USA0B			12 33 33.7	-0.9
USA0B	comp=Z,384nm,1.4s	LR	LR	
USA0B	comp=Z,62µm,19.0s	LR	LR	
USRK	Ussuriysk Ar.	61.47 55	P	P
USRK			12 33 33.5	-1.1
USRK	comp=Z,70nm,0.8s,baz=293,slo=4.3,SNR=59	LR	LR	
USRK	comp=Z,1.4nm,0.7s,baz=320,slo=8.5,SNR=5.0	LR	LR	
USRK	comp=Z,59µm,18.4s,baz=286,slo=40	LR	LR	
MSHR	Mlysh Shuitsa	61.67 57	IP	P
MSHR			13 02 54.0	
KS01				

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Table with columns: ID, Name, Comp, Az, El, AzEl, P, AzEl, P, AzEl, P. Includes entries like MJ99 Matsu-Tunnel, MAJO Matusushiro, MAT Matusushiro, etc.

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Table with columns: ANM, Nome, Comp, Az, El, AzEl, P, AzEl, P, AzEl, P. Includes entries like ANM Nome, ANM Nome, ANM Nome, etc.

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Table with columns: HARP, HAARP, SVW2, Sparvevoh, SVW2, Glory Hole Cre, etc. Includes entries like HARP HAARP, SVW2 Sparvevoh, SVW2 Sparvevoh, etc.

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Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like K39A Oelwein, SFIN Lafayette, SFIN comp=Z,35um,20.0s, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like N40A Merguake, R47A Wooly Knot Far, TZTN Tazewell, etc.

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like V51A Loudon, MTN Manton Dam, MTN Golden Eagle, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like KDMR Kurdemir, ZANJK Zanjan, and many others.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like DUS Dusheti, SENK Senkaya-Erzuru, and many others.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like IZEF Zefreh, GOF Golitskoje, and many others.

BNI	Bardonecchia	30.44 296	eP	P	12 40 47.1	-0.9
BNI	comp=Z,770nm,1.2s			pmax		
POO	Poona	30.75 122	eP	pP	12 40 52.3	+1.5
POO	comp=Z,536nm,1.5s			lJP/N	12 40 55.0	-1.6
POO	comp=Z,302nm,1.5s			lAmb	12 40 59.2	
WTSB	Winterswijk	30.88 309	eP	P	12 40 53.1	+1.5
WTSB	comp=Z,814nm,1.4s					
DGZ	Jazzator, Alka	30.96 55	iP	P	12 40 54.3	+1.7
DGZ	comp=Z,95nm,0.9s			pmax		
WLF	Walferdange	30.96 305	lP	P	12 40 51.7	-0.7
WLF	comp=Z,85nm,0.3s					
WLF	Walferdange	30.96 305	eP	P	12 40 51.7	-0.7
WLF	comp=Z,164nm,1.2s					
WLF	Walferdange	30.96 305	eP	pmax	12 40 51.7	-0.7
WMQ	Urumqi	31.06 67	P	P	12 40 55.6	+2.2
WMQ	comp=Z,160nm,1.2s			pP	12 41 00.2	-1.4
WMQ	comp=Z,160nm,1.2s			sP	12 41 02.8	+3.6
WMQ	comp=Z,430nm,1.5s			pmax		
WMQ	comp=Z,25um,7.9s			LR	LR	
WMQ	comp=Z,53um,20.3s			LR	LR	
WMQ	comp=Z,46um,20.3s			LR	LR	
CMAH	Djebel Manchou	31.13 279	P	P	12 40 55.1	+1.0
MEM	Membach	31.16 306	lP	P	12 40 54.7	+0.6
MEM	comp=Z,188nm,1.4s					
ABSA	Djebel Ababisa	31.18 278	P	P	12 40 55.5	+1.0
HGN	Heimansgroeve	31.23 307	eP	P	12 40 55.2	+0.5
HGN	comp=Z,95nm,2.2s			eL	12 42 13.4	
OSL	Oslo	31.34 325	eP	P	12 40 55.0	-0.5
NC602	NORSAR Array S	31.36 328	eP	P	12 40 58.9	+3.0
NC602	NORSAR Array S	31.36 327	eP	P	12 40 57.5	+1.7
NC601	NORSAR Array S	31.38 327	eP	P	12 40 57.5	+1.6
NC600	NORSAR Array S	31.41 327	eP	P	12 41 01.4	+5.2
NC604	NORSAR Array S	31.42 327	eP	P	12 41 05.0	+4.1
NC402	NORSAR Array S	31.43 328	eP	P	12 40 55.0	-1.3
NC401	NORSAR Array S	31.43 328	eP	P	12 40 55.2	-1.2
NC400	NORSAR Array S	31.46 328	eP	P	12 40 55.4	-1.3
NC403	NORSAR Array S	31.47 328	eP	P	12 40 55.5	-1.2
NC405	NORSAR Array S	31.48 328	eP	P	12 40 56.0	-0.8
NC404	NORSAR Array S	31.50 328	eP	P	12 40 55.7	-1.3
CAEH	Ain El Ouahch	31.52 280	P	P	12 40 58.2	+0.7
ECLA	Clavier	31.59 306	lP	P	12 40 58.6	+0.7
EBN1	NORSAR Array S	31.61 327	eP	P	12 40 58.1	+0.1
NB201	NORSAR Array S	31.63 327	eP	P	12 41 00.0	+1.9
NC302	NORSAR Array S	31.64 328	eP	P	12 40 59.7	+1.5
NB2	NORSAR Subarra	31.65 327	P	P	12 40 56.3	-2.1
NB2	NORSAR Subarra	31.65 327	P	P	12 40 56.3	-2.1
NB2	NORSAR Subarra	31.65 327	P	P	12 40 56.3	-2.1
NB200	NORSAR Array S	31.65 327	eP	P	12 40 59.9	+1.5
NOA	NORSAR Array S	31.65 327	P	P	12 40 56.5	-1.9
NOA	comp=Z,29nm,1.1s,baz=123,slow=8.6,SNR=18			LR	12 54 36.3	
NC301	NORSAR Array S	31.66 328	eP	P	12 40 57.1	-1.3
NB203	NORSAR Array S	31.66 327	eP	P	12 40 58.4	0.0
NA002	NORSAR Array S	31.68 327	eP	P	12 40 59.8	+1.2
NB205	NORSAR Array S	31.68 327	eP	P	12 40 57.9	-0.7
NC300	NORSAR Array S	31.68 328	eP	P	12 41 00.4	+1.8
NC303	NORSAR Array S	31.71 327	eP	P	12 41 02.5	+3.9
NB204	NORSAR Array S	31.68 327	eP	P	12 40 57.0	-1.6
HOMB	Homborsund	31.69 321	eP	P	12 40 58.0	-0.6
NA001	NORSAR Array S	31.70 327	eP	P	12 41 02.0	+3.3
NC305	NORSAR Array S	31.70 328	eP	P	12 41 01.1	+2.4
NA003	NORSAR Array S	31.71 327	eP	P	12 41 01.8	+3.1
NA00	NORSAR Array S	31.71 327	eP	P	12 41 02.2	+3.4
NC304	NORSAR Array S	31.72 328	eP	P	12 41 02.5	+3.5
KONO	Kongsberg	31.73 324	eP	P	12 40 58.2	-0.8
KONO	comp=Z,118nm,1.0s					
KONO	Kongsberg	31.73 324	eP	pmax	12 41 00.7	+1.7
KONO	comp=Z,187nm,1.7s			MLR	MLR	
KONO	comp=Z,53um,17.0s					
KONO	Kongsberg	31.73 324	eP	P	12 40 57.3	-1.7
NA005	NORSAR Array S	31.73 327	eP	P	12 41 02.7	+3.7
CKFL	Kef-Lekhel	31.73 279	P	P	12 40 59.6	+0.2
NA004	NORSAR Array S	31.74 327	eP	P	12 40 58.1	-0.9
PYUN	Piuthan	31.78 98	eP	P	12 41 00.6	+0.5
NB003	NORSAR Array S	31.80 327	eP	P	12 41 00.1	+0.5
NB002	NORSAR Array S	31.81 327	eP	P	12 40 58.2	-1.5
NB000	NORSAR Array S	31.84 327	eP	P	12 41 00.0	+0.1
NB004	NORSAR Array S	31.84 327	eP	P	12 41 01.0	+1.0
NC202	NORSAR Array S	31.89 328	eP	P	12 41 04.2	+3.6
NC201	NORSAR Array S	31.91 328	eP	P	12 41 04.0	+3.4
NC203	NORSAR Array S	31.92 328	eP	P	12 41 02.1	+1.5
NC200	NORSAR Array S	31.93 328	eP	P	12 41 01.0	+0.1
CASM	Ain Smara	31.95 279	P	P	12 41 01.5	+0.2
NC205	NORSAR Array S	31.96 328	eP	P	12 41 02.6	+1.5
NC204	NORSAR Array S	31.96 328	eP	P	12 41 02.6	+1.5
DOU	Dourbes	32.01 305	lP	P	12 41 02.2	+0.6
CTEI	Djebel Teioual	32.07 279	P	P	12 41 02.8	+0.4
UCC	Uccle	32.23 307	lP	P	12 41 04.4	+0.9
UCC	Uccle	32.23 307	eP	P	12 41 04.2	+0.8
UCC	comp=Z,168nm,1.2s					
UCC	Uccle	32.23 307	eP	pmax	12 41 04.2	+0.8
SNF	Seneffe	32.24 306	lP	P	12 41 04.0	+0.3
DANN	Dangsing	32.27 97	eP	P	12 41 06.3	+1.9
DANN	comp=Z,98nm,0.8s					
DFRA	Djebel Bou Aff	32.35 280	P	P	12 41 05.7	+0.9
SNART	Shartemo	32.35 321	eP	P	12 41 04.2	-0.2
KOLN	Koldanda	32.41 98	eP	P	12 41 07.2	+1.6
SSF	Saint Saulege	32.41 300	eP	pmax	12 41 05.9	-1.0
SSF	comp=Z,404nm,1.4s					
NGP	Nagpur	32.62 112	eP	P	12 41 08.5	+1.2
NGP	comp=Z,78nm,0.7s			lAmb	lAmb	
CKHR	Kef el Ahmar	32.78 279	P	P	12 41 09.8	+1.2
SET	Setif	32.81 127	P	P	12 41 12.0	+1.1
GOA	Goa	32.95 126	eP	lAmb	12 41 12.7	+2.5
GOA	comp=Z,2um,2.9s					
DOMB	Dombas	33.04 328	eP	P	12 41 14.8	+4.2
BLSS	Blasj	33.11 323	eP	P	12 41 11.0	0.0
GKN	Gorkha	33.11 97	eP	P	12 41 12.9	+1.2
TBLU	Trondheim	33.16 330	eP	P	12 41 11.5	0.0
KEV	Kevo	33.17 348	eP	P	12 41 11.7	+0.2
KEV	comp=Z,682nm,1.6s					
KEV	Kevo	33.17 348	eP	pmax	12 41 11.7	+0.2
KEV	comp=Z,680nm,1.6s					
ODDI	Odda	33.21 324	eP	P	12 41 12.1	+0.1
ODDI	comp=Z,174nm,1.1s,baz=151,slow=8.7,SNR=38					
NSS	Namsos	33.23 333	eP	P	12 41 12.3	+1.1
ARCES	ARCCESS Array B	33.24 347	P	P	12 41 10.8	-1.4
ARCES	ARCCESS Array B	33.24 347	P	P	12 41 12.2	0.0
AREO	ARCCESS Array S	33.24 347	eP	P	12 41 12.7	+0.5
AREO	comp=Z,20nm,1.5s					
AREO	ARCCESS Array S	33.24 347	eP	P	12 41 12.2	+0.1
KTK1	Kautokkei	33.24 345	eP	P	12 41 12.1	-0.1
MORB	Moi Rana	33.41 337	eP	P	12 41 13.2	-0.5
KMY	Karmoy	33.61 322	eP	P	12 41 16.5	+1.9
DMN	Damnam	33.66 97	eP	P	12 41 18.4	+1.8
CAF	Calviac	33.72 296	eP	pmax	12 41 14.9	-1.7
CAF	comp=Z,210nm,1.2s					
KKN	Kakani	33.72 97	eP	P	12 41 18.3	+1.3
KKN	comp=Z,1um,1.7s					
HYA	Hoyanger	33.90 326	eP	P	12 41 18.3	+0.4
PKIN	Phulchoki	33.91 97	eP	P	12 41 19.8	+1.1

MOL	Molde	33.91 328	eP	P	12 41 22.1	+4.1
AKN	Aaknes	33.97 327	eP	P	12 41 19.2	+0.6
BER	Bergen	33.98 324	eP	P	12 41 18.0	+0.3
KON	Konvik	34.03 337	eP	P	12 41 19.3	-0.2
ASK	Askoy	34.09 324	eP	P	12 41 19.8	+0.3
GUN	Gumba	34.13 96	eP	P	12 41 21.9	+1.2
STEI	Steigen	34.35 339	eP	P	12 41 21.4	-0.4
JIRN	Jiri	34.49 96	eP	P	12 41 25.3	+1.4
SUE	Sulen	34.49 325	eP	P	12 41 21.5	-1.6
HAMF	Hammerfest	34.52 347	eP	P	12 41 24.4	+1.3
TRO	Tromso	34.67 343	eP	P	12 41 24.0	-0.5
EMH	Djebel Mahouad	34.71 280	eP	P	12 41 24.9	-0.5
HYB	Hyderabad	34.72 118	eP	lAmb	12 41 33.0	
HYB	comp=Z,599nm,1.6s					
WACR	West Ace	34.73 310	eP	P	12 41 23.5	-1.7
WACR	comp=Z,571nm,1.0s			lAmb	12 41 34.1	
HVS	Khovu-Aksy	35.07 53	iP	pmax	12 41 30.1	+1.8
HVS	comp=Z,164nm,0.9s			MLR	MLR	
MFF	Saint Martin d	35.13 299	eP	pmax	12 41 27.4	-1.4
MFF	comp=Z,547nm,1.4s					
RAMM	Ramit	35.15 97	eP	P	12 41 30.6	+1.2
RAMM	comp=Z,572nm,0.8s					
WOL	Wolverton	35.78 307	eP	P	12 41 32.8	-1.4
WOL	comp=Z,2um,1.8s			lAmb	lAmb	
EBN1	Beni Rached	35.78 281	P	P	12 41 35.0	+0.5
ODAN	Odare	35.81 96	eP	P	12 41 36.6	+1.5
TAPN	Taplejuj	35.82 96	eP	P	12 41 36.6	+1.3
TAPN	comp=Z,2um,1.4s					
CWF	Charwood Fore	35.90 309	eP	P	12 41 33.6	-1.7
ECHA	Ech Chief	35.95 281	P	P	12 41 35.6	-0.3
SWN1	Swindon	36.15 307	eP	P	12 41 37.3	-0.1
SWN1	comp=Z,1um,1.4s			lAmb	lAmb	
HPK	Haverah Park	36.19 312	eP	P	12 41 36.5	-1.3
SSW	Stow on the Wo	36.19 308	eP	P	12 41 37.5	+0.3
LBWR	Ladybowler, Pea	36.20 311	eP	P	12 41 36.2	-1.7
LBWR	comp=Z,352nm,1.3s			lAmb	lAmb	
BOK	Bokaro	36.21 102	eP	P	12 41 38.6	+0.3
BOK	comp=Z,284nm,1.2s			lAmb	lAmb	
EANR	'Ain N'Sour	36.21 281	P	P	12 41 37.9	-0.4
ETRT	Tiaret	36.23 280	P	P	12 41 38.5	0.0
STRD	Stroud	36.38 308	eP	P	12 41 38.7	+0.7
STRD	comp=Z,775nm,1.2s			lAmb	lAmb	
BATH	Bath	36.47 307	eP	P	12 41 39.6	-0.6
EDMD	Edmundsbury	36.48 313	eP	P	12 41 38.9	-1.3
EDMD	comp=Z,200nm,0.8s			lAmb	lAmb	
OKGL	Djebel Kef Gue	36.54 281	P	P	12 41 54.0	+1.3
OLDB	Oldbury-Upon-S	36.62 308	eP	P	12 41 40.6	-0.8
OLDB	comp=Z,549nm,1.0s			lAmb	lAmb	
OJGS	Djebel Guires	36.62 280	P	P	12 41 53.0	+1.1
HGH	Gray Hill	36.78 308	eP	P	12 41 40.8	-2.0
MONM	Monmouth	36.78 308	eP	P	12 41 41.1	-1.8
MONM	comp=Z,402nm,1.2s			lAmb	lAmb	
HLM1	Long Mynd	36.85 309	eP	P	12 41 42.4	-1.1
HLM1	comp=Z,206nm,1.2s			lAmb	lAmb	
MCH1	Michaelschur	36.90 308	eP	P	12 41 42.3	-1.5
MCH1	comp=Z,387nm,1.0s			lAmb	lAmb	
ESY	Stoneypath	36.98 315	eP	P	12 41 42.9	-1.5
LRW	Lerwick	37.00 322	eP	P	12 41 43.4	-1.2
DR						

11d 12h

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., dBm, SNR, BER). Includes stations like MORF Marneleto, MORF Marmoete, MORF Vila Bisbo, etc.

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Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like XAN comp=Z,25um,15.7s, XAN comp=Z,21um,18.1s, XAN comp=Z,21um,16.7s, etc.

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Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like PCALD Caldeiras da R, PSMN Pico do Norte, CMLA Cha da Macela, etc.

N59A	State Game Lan	85.25 320	eP	P	12 47 12.0	0.0
N59A	State Game Lan	85.25 320	P	P	12 47 11.8	-0.3
E45A	Wood Hills	85.30 329	P	P	12 47 12.6	+0.4
E44A	Grand Marais A	85.38 329	eP	P	12 47 14.8	+2.2
E44A	Grand Marais A	85.38 329	P	P	12 47 13.3	+0.8
C40A	Isle Royale Na	85.55 332	eP	P	12 47 13.4	0.0
C40A	Isle Royale Na	85.55 332	P	P	12 47 13.5	+0.2
WRAK	Wrangell Islan	85.56 360	eP	P	12 47 14.4	+1.2
F46A	Macnaw City C	85.60 328	P	P	12 47 13.8	+0.2
ULM	Lac du Bonnet	85.82 337	P	P	12 47 14.3	-0.4
ULM	Lac du Bonnet	85.82 337	PP	PP	12 50 33.2	-0.1
ULM	Lac du Bonnet	85.82 337	PKKPbc	PKKPbc	13 05 15.6	+0.4
ULM	Lac du Bonnet	85.82 337	PKKPbc	PKKPbc	13 13 18.1	-1.0
ULM	Lac du Bonnet	85.82 337	PP	PP	12 47 13.9	-0.7
ULM	Lac du Bonnet	85.82 337	PP	PP	12 50 33.2	-0.1
ULM	Lac du Bonnet	85.82 337	PKKPbc	PKKPbc	13 05 15.6	+0.4
F45A	CMU Biological	85.98 329	P	P	12 47 15.6	+0.1
E43A	Lone Tree Farm	86.01 330	eP	P	12 47 15.6	-0.1
E43A	Lone Tree Farm	86.01 330	P	P	12 47 15.5	-0.1
D41A	Chassel	86.05 331	eP	P	12 47 16.2	+0.3
D41A	Chassel	86.05 331	P	P	12 47 16.1	+0.3
F44A	Big Bay de Noc	86.11 329	P	P	12 47 16.4	+0.2
BATI	Baumata	86.16 106	P	P	12 47 17.1	+0.3
MVL	Millersville	86.23 320	eP	P	12 47 16.8	-0.1
PAGS	Pennsylvania G	86.25 320	eP	P	12 47 17.3	+0.3
GLMI	Grayling	86.31 328	eP	P	12 47 17.9	+0.8
GLMI	Grayling	86.31 328	P	P	12 47 17.3	+0.1
E42A	Champion	86.32 330	P	P	12 47 17.2	-0.1
SOEI	Soe	86.33 105	eP	P	12 47 17.3	-0.5
EYMN	Ely	86.37 333	eP	P	12 47 17.4	0.0
EYMN	Ely	86.37 333	P	P	12 47 17.5	0.0
ERPA	Erie	86.39 323	eP	P	12 47 20.8	+3.2
ERPA	Erie	86.39 323	P	P	12 47 16.7	-1.0
C38A	Sawbill Land	86.49 333	P	P	12 47 17.3	-0.7
SSPA	Standing Stone	86.52 321	eP	P	12 47 17.8	-0.5
SSPA	Standing Stone	86.52 321	P	P	12 47 18.1	-0.1
CRAG	Craig	86.52 360	eP	P	12 47 20.7	+2.7
F43A	Flat Rock, Esc	86.53 330	P	P	12 47 18.4	+0.1
E41A	Kenton	86.70 331	P	P	12 47 19.0	-0.1
M54A	Oil Creek Stat	86.71 323	eP	P	12 47 19.2	-0.1
M54A	Oil Creek Stat	86.71 323	P	P	12 47 18.7	-0.6
C37A	Embarrass	86.80 334	P	P	12 47 19.5	-0.1
A33A	Warroad	86.82 336	P	P	12 47 19.5	-0.1
ALLY	Alegheny Colle	86.83 323	eP	P	12 47 20.1	+0.3
SDMD	Soldier's Dell	86.92 320	eP	P	12 47 20.5	+0.2
F42A	Maple Grove Fa	86.97 330	P	P	12 47 20.1	-0.2
E40A	Wakefield	87.07 332	P	P	12 47 21.0	+0.1
COWI	Conover	87.07 331	eP	P	12 47 20.7	-0.2
O56A	Blue Knob Stat	87.13 321	eP	P	12 47 20.9	-0.5
O56A	Blue Knob Stat	87.13 321	P	P	12 47 20.9	-0.5
G43A	Wallace	87.21 330	eP	P	12 47 23.1	+1.6
G43A	Wallace	87.21 330	P	P	12 47 21.3	-0.2
N54A	Moraine State	87.28 323	eP	P	12 47 22.2	+0.2
N54A	Moraine State	87.28 323	P	P	12 47 21.8	-0.3
F41A	Three Lakes	87.36 331	eP	P	12 47 22.0	-0.3
F41A	Three Lakes	87.36 331	P	P	12 47 22.2	-0.1
E39A	Mellen	87.37 332	P	P	12 47 22.2	-0.2
D37A	Cotton	87.38 334	P	P	12 47 22.1	-0.3
G42A	Mountain	87.51 330	eP	P	12 47 23.0	0.0
G42A	Mountain	87.51 330	P	P	12 47 23.2	+0.1
G42A	Mountain	87.51 330	S	S	12 58 02.3	-0.8
E38A	The Farm, Brul	87.54 333	eP	P	12 47 22.8	-0.3
E38A	The Farm, Brul	87.54 333	P	P	12 47 22.9	-0.3
F40A	Park Falls	87.59 331	P	P	12 47 23.3	-0.4
G41A	Antigo	87.59 331	P	P	12 47 24.2	-0.4
RCBR	Riachuelo	87.89 261	eP	P	12 47 26.5	+1.2
H43A	Windswept, Lux	87.89 329	eP	P	12 47 24.8	-0.1
F39A	Loretta	87.89 332	P	P	12 47 24.7	-0.2
AAM	Ann Arbor	87.92 326	eP	P	12 47 25.9	+0.9
AAM	Ann Arbor	87.92 326	P	P	12 47 25.9	+0.9
AAM	Ann Arbor	87.92 326	P	P	12 47 24.5	-0.1
C33A	Traill	87.98 336	P	P	12 47 25.1	-0.2
CBN	Corbin Frederi	88.11 319	eP	P	12 47 26.8	+0.8
CBN	Corbin Frederi	88.11 319	P	P	12 47 25.3	-0.7
L49A	Milan	88.12 326	P	P	12 47 25.3	-0.7
H42A	Shiocton	88.16 330	P	P	12 47 26.2	0.0
G40A	Rib Lake	88.17 331	eP	P	12 47 26.1	-0.1
G40A	Rib Lake	88.17 331	P	P	12 47 26.1	-0.1
F38A	Pierce - Schro	88.21 333	P	P	12 47 26.6	+0.3
FAKI	Fak Fak	88.23 95	eP	P	12 47 28.2	+1.3
MCWV	Mont Chateau	88.23 322	eP	P	12 47 26.7	+0.2
MCWV	Mont Chateau	88.23 322	P	P	12 47 26.2	-0.3
PTRD	Partlow Road	88.30 319	eP	P	12 47 27.7	+0.8
M50A	Fremont	88.36 325	P	P	12 47 26.2	-1.0
CVRD	Centerville Ro	88.43 319	eP	P	12 47 26.9	-0.6
H41A	Junction City	88.51 331	eP	P	12 47 28.0	+0.2
H41A	Junction City	88.51 331	P	P	12 47 27.5	-0.3
G39A	Holcombe	88.52 332	P	P	12 47 27.7	-0.2
I43A	Langenfeld Bro	88.53 329	P	P	12 47 27.5	-0.4
L48A	N Adams	88.55 326	P	P	12 47 27.4	-0.6
URVA	University of	88.66 319	eP	P	12 47 28.5	-0.1
F37A	Hinrichs Farm,	88.67 333	P	P	12 47 28.7	+0.1
M49A	Liberty Center	88.72 325	P	P	12 47 28.1	-0.8
H40A	Chili	88.79 331	P	P	12 47 28.9	-0.3
I42A	Draeger Farm,	88.83 330	eP	P	12 47 29.5	+0.2
I42A	Draeger Farm,	88.83 330	P	P	12 47 29.0	-0.3
L47A	Sherwood	88.86 326	P	P	12 47 28.6	-0.9
G38A	Ridgeland	88.87 332	P	P	12 47 29.1	-0.5
N50A	Nevada	88.91 324	P	P	12 47 28.9	-0.9
M48A	Edgerton	89.05 326	P	P	12 47 29.5	-0.9
J43A	Natural Harves	89.06 329	P	P	12 47 29.9	-0.4
I41A	Arkdale	89.06 330	eP	P	12 47 30.3	-0.1
I41A	Arkdale	89.06 330	P	P	12 47 30.2	-0.1
H39A	Augusta	89.08 332	P	P	12 47 30.7	+0.2
MNDN	Maddock	89.08 338	eP	P	12 47 30.1	-0.3
MNDN	Maddock	89.08 338	P	P	12 47 30.3	-0.1
SPMN	Marine on St.	89.17 333	eP	P	12 47 30.4	-0.5
SPMN	Marine on St.	89.17 333	P	P	12 47 30.8	-0.1
J42A	Columbus	89.39 329	P	P	12 47 31.5	-0.5
H38A	Maiden Rock	89.45 332	P	P	12 47 32.0	-0.3
I40A	Norwalk	89.49 331	P	P	12 47 32.4	0.0
K43A	Burlington	89.58 329	eP	P	12 47 34.8	+1.9
K43A	Burlington	89.58 329	P	P	12 47 32.4	-0.4
O50A	Cable	89.63 324	P	P	12 47 32.5	-0.7
BBB	Bella Bella	89.70 357	P	P	12 47 32.2	-0.9
BBB	Bella Bella	89.70 357	P	P	12 47 33.3	+0.1
J11A	Loganville	89.70 330	eP	P	12 47 33.0	-0.5
DGMT	Dagmar	89.77 341	eP	P	12 47 34.3	+0.7
DGMT	Dagmar	89.77 341	P	P	12 47 34.5	+0.8
H37A	Dierks Farm, C	89.77 332	P	P	12 47 34.0	+0.3
M46A	Old House Fiel	89.82 327	eP	P	12 47 34.7	+0.7
M46A	Old House Fiel	89.82 327	P	P	12 47 33.5	-0.5
L44A	Lakeland Funty	89.85 328	P	P	12 47 33.9	-0.3
I39A	Houston	89.87 331	eP	P	12 47 33.3	-0.5
I39A	Houston	89.87 331	P	P	12 47 33.8	-0.4
O49A	Govington	89.92 325	P	P	12 47 33.6	-0.9
K42A	Prairie Point	89.93 329	P	P	12 47 33.9	-0.6
J40A	Sellers Grove	89.96 331	P	P	12 47 34.3	-0.4
I38A	Scanlan Farm	90.02 332	P	P	12 47 34.6	-0.3
H36A	Jessenland, He	90.13 333	P	P	12 47 35.6	+0.2
P50A	Jamestown	90.14 324	P	P	12 47 34.6	-0.9
JFWS	Jewell Farm	90.18 330	eP	P	12 47 35.1	-0.6
JFWS	Jewell Farm	90.18 330	eP	P	12 47 35.1	-0.6
JFWS	Jewell Farm	90.18 330	P	P	12 47 35.1	-0.6
L43A	Garden Prairie	90.19 329	P	P	12 47 35.5	-0.2
M45A	Boilermakers S	90.22 327	P	P	12 47 35.3	-0.5
O48A	Farmland	90.23 325	P	P	12 47 35.0	-1.0
H35A	Sunnyside Ranc	90.34 334	P	P	12 47 36.6	+0.2
MBWA	Marble Bar	90.38 117	eP	P	12 47 36.7	0.0
J39A	Decorah	90.38 331	P	P	12 47 35.9	-0.8
Q51A	Pees Creek	90.40 323	P	P	12 47 36.1	-0.7
N46A	Monticello	90.41 327	P	P	12 47 36.0	-0.7
BLA	Blacksburg	90.41 321	eP	P	12 47 36.3	-0.6
BLA	Blacksburg	90.41 321	eP	P	12 47 36.3	-0.6
BLA	Blacksburg	90.41 321	P	P	12 47 36.3	-0.6
I37A	Lemond, Waseca	90.43 332	eP	P	12 47 36.9	+0.1
I37A	Lemond, Waseca	90.43 332	P	P	12 47 37.0	+0.1
K41A	Shullsburg	90.46 330	P	P	12 47 36.2	-0.7
M44A	Midewin, Midew	90.56 328	eP	P	12 47 36.2	+0.8
M44A	Midewin, Midew	90.56 328	P	P	12 47 36.9	-0.5
R52A	Catlettsburg	90.61 323	P	P	12 47 37.3	-0.5
P49A	Miami Univ, Ec	90.62 325	P	P	12 47 36.7	-1.1
I36A	Fitzsimons Fa	90.65 333	P	P	12 47 37.7	-0.1
J38A	Wedel Dairy, R	90.69 332	P	P	12 47 37.3	-0.8
O47A	Sheridan	90.70 326	P	P	12 47 37.0	-1.1
K40A	Colesburg	90.71 330	P	P	12 47 37.7	-0.4
L42A	Oliver, Polo	90.71 329	eP	P	12 47 37.6	-0.6
L42A	Oliver, Polo	90.71 329	P	P	12 47 37.7	-0.5
N45A	Kentland	90.78 327	P	P	12 47 37.7	-0.7

MTN	Manton Dam	93.49 104	eP	P	12 47 51.4 +0.1	GOGA	Godfrey	94.93 320	eP	P	12 47 57.6 -0.2	X46A	Booneville	96.47 324	P	P	12 48 03.0 -1.7
N37A	Lee Faris, Mou	93.55 331	eP	P	12 47 49.6 -1.7	GOGA	Godfrey	94.93 320	P	P	12 47 57.6 -0.2	NW40	Narrogin (SRO)	96.50 127	P	P	12 48 04.2 -0.5
N37A	Lee Faris, Mou	93.55 331	eP	P	12 47 50.8 -0.5	baz=37,SNR=33						NW40	Narrogin (SRO)	96.50 127	eP	P	12 48 04.2 -0.5
U49A	Red Boiling Sp	93.56 324	P	P	12 47 50.4 -1.1	E03A	Lebam	95.01 353	eP	P	12 47 58.9 +1.0	NW40	Narrogin (SRO)	96.50 127	eP	P	12 48 04.2 -0.5
GCMT	Greycliff	93.58 344	eP	P	12 47 52.6 +1.1	155A	Kite	95.05 319	P	P	12 47 58.4 +0.1	NW44	Shelby Farms P	96.53 325	P	P	12 48 04.3 -0.8
R44A	Waltonville	93.61 327	P	P	12 47 50.8 -0.8	baz=33,SNR=12						TIGA	Tifton	96.56 319	eP	P	12 48 05.9 +0.7
SMRT	St. Maarten	93.65 296	e	P	12 47 47.8 -4.4	U45A	Rockin P Farm,	95.06 325	P	P	12 47 57.6 -0.7	TIGA	Tifton	96.56 319	eP	P	12 48 04.7 -0.6
Q42A	Golden Eagle	93.67 328	P	P	12 47 47.5 -0.7	Z53A	Monticello	95.09 320	P	P	12 47 58.1 -0.4	151A	Opekila	96.57 321	P	P	12 48 04.6 -0.7
RSSD	Black Hills	93.73 339	eP	P	12 47 52.9 +0.5	H17A	Grant Village	95.10 344	eP	P	12 48 01.4 +2.7	Z49A	Columbiana	96.62 322	P	P	12 48 04.6 -0.9
RSSD	Black Hills	93.74 339	eP	P	12 47 52.9 +0.5	H17A	Grant Village	95.10 344	P	P	12 48 01.0 +2.3	V42A	Cord	96.66 327	P	P	12 48 04.9 -0.7
P40A	Paris	93.77 329	eP	P	12 47 51.8 -0.5	MCMT	McKenzie Canyo	95.16 346	eP	P	12 48 00.2 +1.3	Y47A	UCPARC, Winfie	96.67 323	P	P	12 48 04.1 -1.5
P40A	Paris	93.77 329	eP	P	12 47 51.7 -0.6	X50B	Fort Payne	95.16 322	P	P	12 47 58.1 -0.8	HLID	Hailey	96.68 346	eP	P	12 48 07.0 +1.2
N36A	Muff Farm, Cla	93.78 332	P	P	12 47 51.7 -0.6	R39A	Chumby, Stover	95.20 329	P	P	12 47 58.4 -0.5	HLID	Hailey	96.68 346	eP	P	12 48 05.1 -0.7
SLM	Saint Louis	93.78 328	eP	P	12 47 53.4 +1.0	W48A	Pulaski	95.22 324	P	P	12 47 57.4 -1.7	252A	Lumpkin	96.70 320	P	P	12 48 05.4 -0.5
SLM	Saint Louis	93.78 328	eP	P	12 47 53.4 +1.0	V46A	Holladay	95.22 325	P	P	12 47 57.4 -1.7	557A	Orange Park	96.71 317	P	P	12 48 05.0 -0.9
T47A	Sharon Grove	93.78 325	eP	P	12 47 51.2 -1.2	256A	Glennville	95.25 318	P	P	12 47 58.9 -0.3	H04A	Detroit Lake	96.72 353	eP	P	12 48 07.2 +1.5
T47A	Sharon Grove	93.78 325	eP	P	12 47 51.2 -1.2	F07A	Philly Hill Vi	95.26 351	eP	P	12 48 01.1 +2.1	P1WY	Ray	96.75 339	eP	P	12 48 06.3 -0.9
W52A	Murphy	93.82 321	eP	P	12 47 52.9 +0.2	YPP	Pitchstone Pla	95.27 344	eP	P	12 48 02.4 +2.9	AHID	Auburn Hatcher	96.77 330	eP	P	12 48 08.1 +1.9
W52A	Murphy	93.82 321	eP	P	12 47 52.1 -0.6	Q37A	Longview Farm,	95.27 331	P	P	12 47 58.6 -0.7	T38A	Diamond	96.81 330	P	P	12 48 05.3 -0.9
O38A	Galt	93.82 331	P	P	12 47 51.9 -0.6	S41A	Jillco Farms,	95.30 328	P	P	12 47 58.8 -0.6	U40A	Yellville	96.81 328	P	P	12 48 05.2 -1.1
CPCT	Cooper Cave	93.82 322	eP	P	12 47 52.9 +0.3	U44B	Burton Farm, H	95.33 326	P	P	12 47 59.0 -0.6	455A	Stateville	96.83 318	P	P	12 48 05.5 +0.1
S45A	Carrier Mills	93.87 326	P	P	12 47 52.0 -0.8	Y51A	Rockmart	95.33 322	P	P	12 47 59.1 -0.6	150A	Eclectic	96.85 321	P	P	12 48 05.7 -0.8
GDHS	Morne Mazeau,	93.90 294	eP	P	12 47 55.3 +1.9	U44A	Portageville	95.33 326	P	P	12 47 58.9 -0.6	RWWY	Lumsden	96.86 341	eP	P	12 48 07.1 +0.4
MLYT	Lee's Yard	93.91 295	e	P	12 47 50.4 -2.9	154A	Montrose	95.39 319	eP	P	12 48 00.3 +0.4	OXF	Oxford	96.88 325	eP	P	12 48 06.5 -0.1
U48A	Cassie Pea, Po	93.91 324	P	P	12 47 52.1 -1.0	154A	Montrose	95.39 319	P	P	12 47 59.3 -0.5	OXF	Oxford	96.88 325	eP	P	12 48 06.5 -0.1
V50A	Pikeville	93.92 323	P	P	12 47 52.3 -0.8	F04D	Rainier, OR	95.42 353	P	P	12 48 00.7 +1.0	OXF	Oxford	96.88 325	eP	P	12 48 05.1 -1.5
Q41A	Truxton	93.92 328	P	P	12 47 52.5 -0.5	PBMO	Poplar Bluff	95.43 327	eP	P	12 48 00.8 +0.8	658A	Bunnell	96.92 316	P	P	12 48 05.5 -1.4
R43A	Red Bud	93.95 327	P	P	12 47 52.7 -0.5	FLWY	Flagg Ranch	95.43 344	eP	P	12 48 02.5 +2.4	COR	Corvallis	96.93 353	eP	P	12 48 06.6 0.0
X53A	Estanollee	93.98 321	P	P	12 47 53.2 -0.2	W47A	Weicourt	95.44 344	eP	P	12 47 58.5 -1.6	COR	Corvallis	96.93 353	eP	P	12 48 06.6 0.0
D08A	Wollman Farm,	93.99 350	eP	P	12 47 54.9 +1.7	X49A	Woodville	95.45 323	P	P	12 47 58.9 -1.2	H04D	Lebanon	96.94 352	P	P	12 48 06.0 -0.6
D03D	Eldon	93.99 353	P	P	12 47 53.8 +0.7	F05D	White Salmon	95.45 352	P	P	12 47 59.5 -0.4	X45A	UM Hill Stati	96.94 325	P	P	12 48 05.5 -1.4
LTY	Liberty	94.01 351	eP	P	12 47 54.0 +0.6	357A	Townsend	95.48 318	P	P	12 47 59.4 -0.8	484A	Camilla	96.96 319	P	P	12 48 06.3 -0.8
Q37A	Wolven Farm, M	94.04 331	P	P	12 47 52.6 -0.9	T42A	Van Buren	95.50 327	eP	P	12 47 59.6 -0.6	Z48A	Northport	96.96 323	P	P	12 48 05.7 -1.3
SABA	Saba	94.06 296	e	P	12 47 58.4 +4.4	T42A	Van Buren	95.50 327	P	P	12 47 59.4 -0.8	251A	Midway	96.96 321	P	P	12 48 06.6 -0.4
P39B	Salisbury	94.08 330	P	P	12 47 52.3 -1.5	HUMP	Col San Antoni	95.53 298	eP	P	12 48 01.9 +1.2	I05D	Terrebonne, OR	96.97 351	P	P	12 48 07.9 +1.0
T46A	Princeton	94.09 325	P	P	12 47 53.0 -0.9	Z52A	Williamson	95.59 321	P	P	12 48 00.5 -0.3	W43A	Forest City	96.97 326	P	P	12 48 07.0 -0.1
SIUC	Southern Millr	94.12 326	eP	P	12 47 53.6 -0.4	S40A	Lebanon	95.60 329	P	P	12 47 60.0 -0.8	LRAL	Lakeview Retre	96.97 322	eP	P	12 48 06.9 -0.1
RLMT	Red Lodge	94.12 343	eP	P	12 47 55.6 +1.5	255A	Hazlehurst	95.60 319	eP	P	12 48 01.8 +0.9	LRAL	Lakeview Retre	96.97 322	eP	P	12 48 06.2 -0.9
RLMT	Red Lodge	94.12 343	eP	P	12 47 54.2 +0.1	255A	Hazlehurst	95.60 319	P	P	12 48 00.3 -0.5	V41A	Mountainview	96.97 322	eP	P	12 48 05.9 -1.3
LRM	Limekiln Ridge	94.13 346	eP	P	12 47 54.8 +0.7	IMW	Humboldt	95.65 325	P	P	12 47 59.8 -1.2	U39A	Green Forest	97.05 329	P	P	12 48 06.3 -1.0
DPL	La Plaine	94.15 293	e	P	12 47 51.9 -2.7	R38A	Fenwick Farm,	95.66 344	eP	P	12 48 04.0 +2.7	MFID	Camas Ranch	97.07 347	eP	P	12 48 06.6 +1.0
S44A	Carbondale	94.15 326	P	P	12 47 53.5 -0.6	Y50A	Piedmont	95.67 322	P	P	12 48 00.5 -0.7	556A	Lake Butler	97.08 317	eP	P	12 48 06.6 -1.0
W51A	Cleveland	94.17 322	P	P	12 47 53.8 -0.4	HALT	Halls	95.68 326	eP	P	12 48 02.7 +1.5	657A	Interlachen	97.12 317	P	P	12 48 07.1 -0.7
BOZ	Bozeman (W)	94.18 345	eP	P	12 47 54.8 +0.5	153A	Fort Valley	95.72 320	P	P	12 48 00.7 -0.7	Y46A	Houston	97.15 324	P	P	12 48 06.5 -1.3
BOZ	Bozeman (W)	94.18 345	eP	P	12 47 54.8 +0.5	G08A	Pilot Rock	95.73 350	eP	P	12 48 02.5 +1.2	442A	Quitman	97.16 319	P	P	12 48 05.5 -2.4
BOZ	Bozeman (W)	94.18 345	eP	P	12 47 54.3 0.0	MOOW	Moose Ponds	95.76 344	eP	P	12 48 03.3 +1.6	W54A	Bald Knob	97.17 327	P	P	12 48 07.1 -0.8
Y54A	Tignal	94.18 320	P	P	12 47 54.3 -0.1	U43A	Rector	95.76 327	P	P	12 48 00.8 -0.7	352A	Blakely	97.22 320	eP	P	12 48 08.3 0.0
X52A	Dahlonega	94.19 321	P	P	12 47 54.2 -0.2	T41A	Mountain View	95.77 328	P	P	12 48 00.9 -0.6	352A	Blakely	97.22 320	eP	P	12 48 07.8 -0.4
NLWA	Neilton Lookou	94.20 354	eP	P	12 47 56.5 +2.3	K22A	Casper	95.78 341	eP	P	12 48 01.1 -0.7	X44A	Crenshaw	97.22 325	P	P	12 48 07.3 -0.8
D05A	Enumclaw	94.22 352	eP	P	12 47 56.3 +2.0	K22A	Casper	95.78 341	P	P	12 48 01.1 -0.6	149A	Jones	97.23 322	P	P	12 48 07.3 -0.9
V49A	McMinnville	94.22 330	P	P	12 47 53.0 -1.5	X48A	Hartselle	95.84 323	eP	P	12 48 00.7 -1.2	758A	Lake Helen	97.25 316	P	P	12 48 07.3 -1.0
Q40A	Laux Farm, Aux	94.23 329	P	P	12 47 54.0 -0.5	X48A	Hartselle	95.84 323	eP	P	12 48 00.5 -0.9	CBK3	Cedar Bluff	97.25 334	eP	P	12 48 09.4 +1.0
P38A	Dawn	94.27 330	eP	P	12 47 55.5 +0.9	X48A	Hartselle	95.84 323	P	P	12 48 00.5 -1.4	CBK3	Cedar Bluff	97.25 334	eP	P	12 48 09.4 +1.0
P38A	Dawn	94.27 330	eP	P	12 47 53.6 -1.0	S39A	Bolivar	95.85 329	eP	P	12 48 03.3 +1.2	CBK3	Cedar Bluff	97.25 334	eP	P	12 48 07.7 -0.6
R42A	Luebbing	94.31 328	P	P	12 47 54.1 -0.7	S39A	Bolivar	95.85 329	P	P	12 48 01.4 -0.6	N23A	Red Feather La	97.26 340	eP	P	12 48 10.3 +1.6
U47A	Clarksville	94.31 324	P	P	12 47 53.3 -1.6	PLAL	Picklick Lake	95.88 324	eP	P	12 48 00.5 -1.5	W40A	Whits Springs	97.26 340	eP	P	12 48 08.7 0.0
BBGH	Gun Hill	94.35 290	e	P	12 47 47.8 -7.6	KSU1	Kansas State U	95.89 332	P	P	12 48 02.0 -0.1	V40A	Whits Springs	97.27 328	P	P	12 48 08.5 0.0
BBGH	Gun Hill	94.35 290	e	P	12 49 02.2	KSU1	Kansas State U	95.89 332	P	P	12 48 01.4 -0.6	555A	McAlpin	97.28 318	eP	P	12 48 07.3 -1.1
BGNE	Belgrade	94.39 334	eP	P	12 47 57.0 +1.8	W46A	Michie	95.89 324	P	P	12 48 00.7 -1.4	555A	McAlpin	97.28 318	eP	P	12 48 09.8 +1.0
BGNE	Belgrade	94.39 334	eP	P	12 47 54.9 -0.2	356A	Blackshear	95.89 318	P	P	12 48 01.8 -0.3	HHAR	Hobbs	97.32 329	eP	P	12 48 07.6 -1.2
W50A	Signal Mountai	94.40 322	eP	P	12 47 54.6 -0.8	BMO	Blue Mountains	95.91 349	eP	P	12 48 02.3 +0.1	Z47A	Carrollton	97.35 323	eP	P	12 48 08.5 -0.1
W50A	Signal Mountai	94.40 322	eP	P	12 47 54.5 -0.8	BMO	Blue Mountains	95.91 349	eP	P	12 48 02.3 +0.1	453A	Whigham	97.41 319	P	P	12 48 08.9 -0.1
Z55A	Glyth	94.41 319	P	P	12 47 55.2 -0.1	FXWY	Fox Creek	95.92 344	eP	P	12 48 04.3 +1.9	PINE	Pine Mountain	97.46 351	eP	P	12 48 12.0 +2.7
FVM	French Village	94.41 327	eP	P	12 47 55.5 +0.3	V44A	Blytheville	95.99 326	P	P	12 48 01.9 -0.7	I02D	Swissmore	97.46 351	eP	P	12 48 07.5 -1.5
FVM	French Village	94.41 327	eP	P	12 47 55.6 +0.3	254A	Abbeville	96.01 319	P	P	12 48 02.1 -0.6	Y45A	Yeager Farm, C	97.48 325	P	P	12 48 09.2 -0.1
E09A	Wood Farm, Sta	94.41 329	eP	P	12 47 55.9 +0.3	Y49A	Blount Mountai	96.02 322	eP	P	12 48 02.0 -0.7	250A	Grady	97.48 321	eP	P	12 48 10.3 +0.9
T45A	Paducah	94.45 326	P	P	12 47 54.8 -0.7	Y49A	Blount Mountai	96.02 322	P	P	12 48 01.9 -0.9	250A	Grady	97.48 321	eP	P	12 48 08.8 -0.5
156A																	

Table with columns: GRMI, comp, IAML, Time, Res, and various station identifiers. Includes entries for stations like Heris, Tabriz, Gilan, and others.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, and various station identifiers. Includes entries for stations like Heris, Tabriz, Gilan, and others.

Table with columns: DIGO, Kars, Time, Res, and various station identifiers. Includes entries for stations like Kars, Ghazvin, and others.

THR 11 12:49:07.6, 0.3, 38.47N, 46.84E, h14km, 10km, ML4.7
AZER 11 12:49:12.6, 0.0, 38.30N, 46.61E, h11km, 1km, m15.0/27,
Error ellipse: s-maj=6.3km s-min=1.9km az=29.0
IDC 11 12:49:14.5, 0.6, 38.28N, 46.68E, h0km, mb4.3/28,
mb1.4/39, mb1mx4.3/79, mb1mp4.3/39, ML3.9/2,
Error ellipse: s-maj=12.7km s-min=8.2km az=13.0
NEIC 11 12:49:14.9, 0.0, 38.43N, 46.70E, h8km, mb4.8/24,
ML4.7(THR), MN4.7(TEH), After TEH.
BUJ 11 12:49:15.9, 38.40N, 46.70E, h8km, mb4.8/23, MB4.9/3,
Ms4.9/2, Ms7.4/2
MOS 11 12:49:15.0, 1.5, 38.16N, 46.74E, h13km, mb4.7/32, Error
ellipse: s-maj=6.7km s-min=3.7km az=110.8
TEH 11 12:49:15.4, 38.40N, 46.69E, h4km, ML4.6
ISCJB 11 12:49:15.0, 0.5, 38.26N, 0.02, 46.69E, 0.02, h4km, 3km,
mb4.5/66, MS4.7/1, Error ellipse: s-maj=3.4km
s-min=2.3km az=10.1
NMC 11 12:49:22.3, 10.0, 38.87N, 47.20E, h0km, mb5.4, mpv5.3,
Error ellipse: s-maj=9.7km s-min=4.9km az=54.0
ISC 11 12:49:16.2, 1.0, 38.42N, 0.02, 46.68E, 0.02, h3km, 6km,
n334, c195/357, mb4.7/71, 45C-43D,
Iran-Armenia-Azerbaijan border region

11d 12h

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various radio stations.

2012 AUG

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various radio stations.

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Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details for various radio stations.

AZER 11 12:57:08.9-1.38*21N-46.48E, h34km-18km, m3/6.10, Error ellipse: s-maj=12.6km s-min=4.5km az=16.0

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

AZER 11 12:57:07.9-1.38*28N-48.58E, h34km-13km, n13, r190/25, 10C-10D, Iran-Armenia-Azerbaijan border region

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

IRAM	Rameshah	8.11 943 ePn	Pn	13 16 06.2 +1.4
GEYT	Alibeck	9.02 90 ePn	Pn	13 16 16.2 -0.8
GEYT	comp=E,2.4nm,0.3s,baz=204,slow=32,SNR=1.5			13 17 58.9 -0.1
GYA0B	ALIBECK ARRAY	9.02 90 fPn	Pn	13 16 16.6 -0.4
GYA0B	comp=E,39nm,0.9s			13 17 57.2 -1.8
GYA0B	ALIBECK ARRAY	9.02 90 ePn	Pn	13 16 17.1 +0.1
ISFR	Sfrayin	9.07 95 ePn	Pn	13 16 19.3 +1.3
ASHT	Ashkhabad	9.23 90 fPn	Pn	13 16 17.7 -2.2
ASHT	comp=E,46nm,0.3s			13 18 01.3 -2.8
ASHT	Ashkhabad	9.23 90 P	Pn	13 16 17.6 -2.2
ASHT	comp=E,85nm,0.6s			13 18 01.3 -2.8
IAKL	Akhmedal	9.77 97 ePn	Pn	13 16 28.7 +1.2
ASF	Jabal al Asfar	10.16 235 Pn	Pn	13 16 33.1 +0.3
BR131	Keskin Array S	10.22 281 ePn	Pn	13 16 36.2 +2.6
BR131	Keskin Array B	10.22 281 Pn	Pn	13 16 37.5 +3.9
BR131	comp=E,0.2nm,0.3s,baz=103,slow=1.3,SNR=17			13 16 44.5 +9.5
ILGA	Ilgaz	10.31 289 ePn	Pn	13 16 37.5 +3.9
IMOG	Moghan	10.35 99 ePn	Pn	13 16 44.5 +9.5
MMAI	Mount Meron Ar	10.65 243 Pn	Pn	13 16 38.3 -1.3
IMYA	Miami	10.68 97 ePn	Pn	13 16 43.8 +1.1
EMLA	Elat	13.09 231 Pn	Pn	13 17 11.0 -1.7
VRH	Novokopyorsky	13.21 346 eP	Pn	13 17 14.6 +0.3
VRH	comp=Z,20nm,1.2s			13 17 22.0 -0.5
VSR	Storzhevoeye	13.81 340 eP	Pn	13 17 27.5 -3.0
VSR	comp=Z,6.0nm,0.5s			13 20 03.4 -7.0
AB31	Akbulak array	14.39 37 fP	Pn	13 17 27.5 -3.0
AB31	comp=Z,8.9nm,0.6s,baz=227,slow=1.4,SNR=4.7			13 17 27.5 -3.0
AB31	Akbulak array	14.39 37 Pn	Pn	13 17 27.5 -3.0
AB31	comp=Z,5.2nm,0.6s,baz=234,slow=2.9,SNR=4.9			13 17 27.5 -3.0
AB31	Akbulak array	14.39 37 ePn	Pn	13 17 27.3 -3.2
AKTO	Aktyubinsk	14.43 30 Pn	Pn	13 17 28.3 -2.6
AKTO	comp=Z,3.2nm,0.3s,baz=220,slow=1.2,SNR=18			13 17 27.9 -3.1
AKTO	Aktyubinsk	14.43 30 fP	Pn	13 20 03.4 -7.8
AKTO	comp=Z,2.1nm,0.9s			13 17 27.8 -3.1
AKTO	Aktyubinsk	14.43 30 P	Pn	13 17 44.5 +1.2
TLCR	TLCR	14.91 302 fP	P	13 17 44.5 +1.2
RAYN	Ar Rayn	14.93 184 ePn	Pn	13 17 35.4 -2.5
RAYN	comp=Z,9.0nm,1.0s			13 17 35.4 -2.5
RAYN	Ar Rayn	14.93 184 eP	Pn	13 17 35.4 -2.5
RAYN	comp=Z,9.0nm,1.0s			13 17 40.5 +0.1
LPSR	Galich'ya Gora	15.13 342 eP	Pmax	13 17 48.1 +1.2
LPSR	comp=Z,30nm,1.0s			13 17 48.1 +1.2
TLB	Topalu	15.23 300 fP	P	13 17 48.1 +1.2
TLB	Topalu	15.23 300 fP	P	13 17 48.1 +1.2
CFR	Carcaliu	15.35 302 fP	P	13 17 49.4 +1.2
CFR	Carcaliu	15.35 302 fP	P	13 17 49.4 +1.2
KARP	Karpathos	15.87 265 eP	P	13 17 53.5 -0.6
ODBI	Odobesti	16.27 303 fP	P	13 18 01.3 +2.9
ISR	Istrita	16.41 300 fP	P	13 18 02.6 +2.6
ISR	Istrita	16.41 300 fP	P	13 18 02.6 +2.6
SORM	Soroca	16.44 312 fP	P	13 18 00.5 +0.2
SORM	Soroca	16.44 312 fP	P	13 18 03.0 +1.8
VRI	Vrincioia	16.52 303 fP	P	13 18 03.0 +1.8
PLOR	Plostina	16.56 303 fP	P	13 18 03.7 +2.0
PLOR	Plostina	16.56 303 fP	P	13 18 03.7 +2.0
TESR	Tescani	16.79 305 fP	P	13 18 05.9 +1.7
MLR	Muntele Rosu	16.92 301 Pn	P	13 18 06.8 +1.1
MLR	comp=Z,0.4nm,0.3s,baz=153,slow=1.3,SNR=9.2			13 18 08.0 +3.0
MLR	Muntele Rosu	16.92 301 fP	P	13 18 08.0 +3.0
AKASG	Malin Array Be	17.39 320 P	P	13 18 10.6 -0.2
AKASG	comp=Z,0.9nm,0.3s,baz=120,slow=1.1,SNR=7.6			13 18 06.3 -3.2
KIEV	Kiev	17.40 320 Pn	Pn	13 18 06.3 -3.2
KIEV	comp=Z,8.5nm,1.0s			13 18 06.3 -3.2
KIEV	Kiev	17.40 320 P	Pn	13 18 14.1 +2.7
KIEV	comp=Z,9.0nm,1.0s			13 18 15.0 +2.8
DOPR	Dopca	17.43 302 fP	P	13 18 15.0 +2.8
VOIR	VOIR	17.51 300 fP	P	13 18 15.0 +2.8
VOIR	VOIR	17.51 300 fP	P	13 18 15.0 +2.8
VOIR	Anoyia	17.72 266 P	P	13 18 14.5 -0.1
IDI	Anoyia	17.72 266 fP	P	13 18 18.1 +3.5
ARR	Arges	17.77 300 fP	P	13 18 19.5 +0.7
OBN	Obninsk	18.01 341 fP	Pmax	13 18 17.8 +0.3
OBN	comp=Z,1.1nm,1.1s			13 18 20.3 +1.4
OBN	Bucovina Array	18.11 307 fP	P	13 18 20.3 +1.4
BURAR	Bucovina Array	18.11 307 fP	P	13 18 20.3 +1.4
BURAR	Bucovina Ar. S	18.12 307 eP	P	13 18 19.7 +0.7
BUR04	Bucovina Ar. S	18.12 307 ePn	P	13 18 19.5 +0.7
WSAR	Wadi Sarin	18.29 143 P	P	13 18 22.3 +1.4
VTS	Vitosha	18.30 290 fP	P	13 18 24.9 +3.8
VTS	Vitosha	18.30 290 fP	P	13 18 24.9 +3.8
MOS	Moscow	18.32 344 eP	P	13 18 22.3 +1.3
LOT	Lotru	18.38 300 fP	P	13 18 22.8 +1.9
KK31	Karatay Array	18.61 68 eP	P	13 18 22.9 -1.4
KK31	Karatay Array	18.61 68 eP	P	13 18 22.9 -1.4
KKAR	Karatay Array	18.61 68 eP	P	13 18 23.0 -1.3
KKAR	Karatay Array	18.61 68 eP	P	13 18 23.0 -1.3
CJR	Ciu-Napoca	18.84 303 fP	Pn	13 18 29.6 +2.2
CJR	Ciu-Napoca	18.84 303 fP	Pn	13 18 29.6 +2.2
HERR	Herculane	19.19 297 fP	Pn	13 18 32.1 +0.6
DRGR	DRGR	19.45 303 fP	Pn	13 18 35.0 +0.3
DRGR	DRGR	19.45 303 fP	Pn	13 18 35.0 +0.3
MoldVR	Moldovita	19.67 297 fP	Pn	13 18 38.0 +0.7
LVI	L'vov	19.75 312 eP	Pn	13 18 38.0 +0.7
BZS	Buzias	19.89 299 fP	Pn	13 18 39.7 -0.2
BZS	Buzias	19.89 299 fP	Pn	13 18 39.7 -0.2
TRPA	TRPA	19.98 307 fP	P	13 18 40.3 +0.6
TRPA	TRPA	19.98 307 fP	P	13 18 40.3 +0.6
UZH	Uzhgorod	20.31 308 eP	P	13 18 43.0 +0.2
DIVS	Divibare	20.79 294 eP	P	13 18 49.1 +0.9
OTUK	Ortayu	20.97 54 P	P	13 18 51.3 +1.2
OTUK	comp=Z,2.1nm,1.0s			13 18 51.3 +1.2
NACGM	Naroch	21.25 327 eP	P	13 18 51.0 -1.9
KECS	Kecovo	21.39 306 eP	P	13 18 55.7 +1.1
KECS	Kecovo	21.39 306 eP	P	13 18 55.7 +1.1
AAK	Ala-Archa	21.50 70 P	P	13 18 60.0 +4.0
AAK	comp=Z,8.0nm,0.7s,baz=27.4,slow=1.0,SNR=9.6			13 18 60.0 +4.0
AAK	Ala-Archa	21.50 70 P	P	13 18 60.0 +4.0
AAK	Ala-Archa	21.50 70 P	Pmax	13 18 56.3 +0.4
IDID	Didziasalis	21.55 328 eP	P	13 18 56.1 0.0
IDID	comp=Z,12nm,1.1s			13 19 01.7
FRU	Bishkek	21.59 69 eP	Pmax	13 18 58.5 +1.7
FRU	comp=Z,16nm,0.9s			13 18 58.5 +1.7
PSZ	Piszkesteto	21.61 305 fP	P	13 18 58.6 +1.7
PSZ	Piszkesteto	21.61 305 fP	P	13 18 58.7 +1.8
PSZ	Piszkesteto	21.61 305 eP	P	13 18 57.6 +0.7
PSZ	comp=Z,22nm,1.0s			13 18 57.6 +0.7
PSZ	Piszkesteto	21.61 305 eP	Pmax	13 18 57.6 +0.7
IGN	ignalina	21.79 327 eP	P	13 18 58.7 0.0
IGN	comp=Z,10nm,1.0s			13 19 04.4
NIE	Niedzica	21.82 309 eP	P	13 19 00.9 +1.7
NIE	Niedzica	21.82 309 eP	P	13 19 00.9 +1.7
BRVK	Borovoye	21.86 40 eP	P	13 19 00.3 +0.8
BRVK	comp=Z,8.0nm,0.8s			13 19 00.3 +0.8
BRVK	Borovoye	21.86 40 eP	Pmax	13 19 00.3 +0.8
BRVK	comp=Z,22nm,0.8s			13 19 00.3 +0.8

BVAR	Borovoye Array	21.90 41 P	P	13 19 01.0 +1.1
BVAR	comp=Z,2.9nm,0.4s,baz=237,slow=7.2,SNR=16			13 22 59.5 -2.7
ISAL	Salakas	21.93 328 eP	P	13 19 00.9 +0.1
ISAL	comp=Z,8.9nm,0.9s			13 19 05.2
MORH	M'r'ig'y, Hugs	22.05 300 fP	P	13 19 02.9 +1.3
SUW	Suwaki	22.34 322 eP	P	13 19 06.1 +1.4
OJC	Ojcow	22.40 310 eP	P	13 19 05.5 +0.1
OJC	Ojcow	22.40 310 eP	P	13 19 05.2 -0.2
OJC	comp=Z,1.3nm,0.9s			13 19 05.2 -0.2
OJC	Ojcow	22.40 310 eP	Pmax	13 19 06.8 +0.9
VYHS	Vyhne	22.45 306 eP	P	13 19 06.8 +0.9
VYHS	comp=Z,12nm,1.3s			13 19 06.8 +0.9
VYHS	Vyhne	22.45 306 eP	P	13 19 06.8 +0.9
KSH	Kashi	22.75 78 eP	P	13 19 06.0 -3.3
BLM	Banja Luka	22.86 295 fP	P	13 19 12.3 +2.0
KLMR	Klimovskoe	22.86 351 eP	P	13 19 09.3 -0.8
KLMR	comp=Z,3.1nm,1.2s			13 19 09.3 -0.8
KLMR	Klimovskoe	22.86 351 eP	AMP	13 19 19.1
KLMR	comp=Z,3.1nm,1.2s			13 19 11.9 -1.8
PRGR	Permogore	23.21 359 eP	P	13 23 26.1 +0.2
PRGR	comp=Z,2.2nm,0.7s			13 19 15.0 +0.2
TIP	Timpagrade	23.28 281 fP	P	13 19 17.7 +1.7
JAVC	Velka Javorina	23.29 305 eP	P	13 19 17.7 +1.7
MODS	Modra-Piesok	23.42 305 eP	P	13 19 17.7 +1.7
MODS	comp=Z,1.5nm,1.0s			13 19 18.8 +0.7
MODS	Modra-Piesok	23.42 305 eP	P	13 19 20.6 +0.9
MODS	Modra-Piesok	23.42 305 eP	Pmax	13 19 20.6 +0.9
MODS	Modra-Piesok	23.42 305 eP	P	13 19 23.4 +0.9
VRAC	Vranov	24.09 306 fP	P	13 19 23.4 +0.9
VRAC	comp=Z,4.4nm,0.6s			13 19 23.5 +1.0
VRAC	Vranov	24.09 306 fP	P	13 19 23.4 +0.9
VRAC	Vranov	24.09 306 P	Pmax	13 19 23.4 +0.9
VRAC	comp=Z,1.3nm,1.0s			13 19 23.4 +0.9
KRUC	Moravsky	24.15 306 eP	P	13 19 24.0 +0.9
KRUC	Moravsky	24.15 306 eP	P	13 19 26.0 +2.0
CONA	Conrad Observa	24.24 303 P	P	13 19 26.0 +2.0
BOJA	Bojanci	24.29 297 P	P	13 19 26.0 +1.6
ARSA	Arzbes	24.34 301 fP	P	13 19 26.1 +1.2
ARSA	comp=Z,2.2nm,1.1s,SNR=12			13 19 27.2 +0.4
DPC	Dobruska-Polom	24.55 309 eP	P	13 19 27.2 +0.4
DPC	Dobruska-Polom	24.55 309 eP	P	13 19 27.7 +0.6
SOKA	Sotho	24.59 300 eP	P	13 19 27.7 +0.6
SOKA	comp=Z,2.0nm,0.9s,SNR=15			13 19 28.2 +0.9
VISS	Vishnje	24.61 298 eP	P	13 19 30.2 +2.0
KSP	Ksiaz	24.72 310 eP	P	13 19 30.2 +2.0
KSP	Ksiaz	24.72 310 eP	P	13 19 31.7 +0.4
OBKA	Obr	24.89 299 eP	P	13 19 31.7 +0.4
JAVS	Javornik	25.16 298 P	P	13 19 33.9 +1.6
PDGK	Podgornoye	25.17 68 P	P	13 19 34.2 +1.7
PDGK	comp=Z,8.0nm,0.8s			13 19 33.8 +0.5
MOA	Mol	25.28 302 eP	P	13 19 36.2 +2.0
MOA	comp=Z,6.5nm,0.8s			13 19 36.2 +2.0
GOPC	GO Pecny, Ondr	25.38 307 eP	P	13 19 36.0 +1.5
GOPC	GO Pecny, Ondr	25.38 307 eP	P	13 19 36.0 +1.5
VAE	Vaiguarnera	25.39 278 eP	P	13 19 36.0 +1.5
VAE	comp=Z,5.0nm,0.3s,baz=27.4,slow=1.2,SNR=1.8			13 19 37.2 +1.6
MYKA	Terra Mystica	25.53 299 eP	P	13 19 37.2 +1.6
KURBB	Kurchatov Arra	25.54 51 P	P	13 23 06.4 -0.4
KURBB	comp=Z,1.7nm,0.8s,baz=262,slow=9.4,SNR=7.9			13 19 36.1 +0.3
PRU	Pruhonice	25.55 307 eP	P	13 19 36.1 +0.3
PRU	Pruhonice	25.55 307 eP	P	13 19 36.9 +0.6
KURK	Kurchatov	25.62 51 eP	P	13 19 36.9 +0.6
KURK	comp=Z,2.1nm,0.8s			13 23 06.4
KURK	Kurchatov	25.62 51 eP	PcP	13 19 36.9 +0.6
KURK	Kurchatov	25.62 51 eP	P	13 19 39.7 +1.6
KURK	Kurchatov	25.62 51 eP	Pmax	13 19 39.7 +1.6
KBA	Koelnbreinsper	25.79 300 P	P	13 19 38.5 +0.1
KBA	comp=Z,3.4nm,0.9s,SNR=6.8			13 19 38.8 +0.4
GEAO	GERESS Array S	25.83 304 eP	P	13 19 38.8 +0.4
GEAO	GERESS Array S	25.84 304 eP	P	13 19 38.8 +0.4
GEAO	comp=Z,2.2nm,0.8s			13 19 39.1 +0.7
GERES	GERESS Array S	25.84 304 eP	Pmax	13 19 39.1 +0.7
GERES	comp=Z,2.2nm,0.8s			13 23 07.1 -0.5
GERES	GERESS Array S	25.84 304 P	PcP	13 19 40.0 +0.4
KHC	Kasperske Hory	25.97 305 eP	P	13 19 39.8 +0.2
KHC	Kasperske Hory	25.97 305 eP	P	13 19 39.8 +0.2
KHC	comp=Z,7.4nm,1.0s			13 19 41.5 +0.3
KHC	Kasperske Hory			

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like MLV3.5/7, Banda Sea, BNDI, MSAI, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like IDC 11:14:25:14.0, 10.0, 17.28S, 178.82W, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like ISN 11:14:25:11.7, 1.3, 38.62N, 46.95E, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like Heris, Tabriz, Bostanabad, Ordubad, Marand, Shabestar, Sarab, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like TASB, TASBURUN-IGDIR, IML, QBL, CUKT, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res. Includes stations like MAK, MAK, MAK, MAK, ARTV, BNGB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BUCAR Bucovina Array, KARATY Karatay Array, ARTI Arti, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BARDONECCHIA Bardonecchia, JAZZATOR Alta, URUMQI Urumqi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HERIS Heris, TABRIZ Tabriz, GERMİ Germi, etc.

IDC 11 14:33:24.9:3.5,59,23N;28:35E, h0km, mb1 2.4/1, mb1mx2.4/60, mbtmp2.4/1, ML1.3/1, Error ellipse: s-maj=39.8km s-min=24.2km az=65.0, Baltic States-Belarus-Northwestern Russia

AZER 11 14:38:17.8:0.0,38:07N;46:54E, h9km, m4.3/27, Error ellipse: s-maj=5.3km s-min=1.6km az=28.0, ISC 11 14:38:19.5:0.8,38:52N;46:78E, h0km, mb3.0, ML4.1, THR 11 14:38:22.9:0.8,38:44N;46:75E, h14km, ML3.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IMRD Marand, IMRD comp=Z,56um,0.2s, IMRD comp=N,80nm,0.1s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB16 IPOC Station P, BB04 Tambo Quemado, PB12 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like U39A Green Forest, S42A Caledonia, S41A Jilco Farms, etc.

IDC 11 14:58:32.51,0.37,51N;141.37E,h0km,mb3.7/11, mb1 3.8/15,mb1mx3.6/69,mbtmp3.7/15,ML4.6/3, Error ellipse: s-maj=22.1km s-min=18.7km az=113.0

ISCJB 11 14:58:34.0,0.8,37.43N;0.03,141.47E;0.0,h22km,5km, mb3.7/11, Error ellipse: s-maj=7.7km s-min=4.5km az=18.1

JMA 11 14:58:36.3,0.1,37.46N;141.30E,h30km;1km, M4.0 JMA Felt 1/1

ISC 11 14:58:34.2,1.7,37.46N;0.04,141.35E;0.0,h12km,10km, n33, c1909/40, mb3.8/11, Near east coast of eastern Honshu

Patallaiga 4.20 107 P Pn 15 10 23.5 -0.7

Patallaiga 4.45 109 ePn Pn 15 10 27.5 +0.1

Patallaiga 4.45 190 P Pn 15 10 26.5 -0.9

Patallaiga 4.76 183 P Pn 15 10 31.0 -0.5

Patallaiga 4.98 97 P Pn 15 10 34.7 +0.1

Patallaiga 5.67 92 ePn Pn 15 10 42.1 -1.5

Patallaiga 5.87 192 P Pn 15 10 42.1 +1.5

Patallaiga 5.71 91 P Pn 15 10 42.9 -1.2

Patallaiga 6.53 127 P Pn 15 10 55.1 -0.1

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

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Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

Patallaiga 8.12 77 P Pn 15 11 14.7 -1.9

ISCJB 11 15:09:20.7,0.2,17.98S;0.03,69.33W;0.0,h152km,2km, mb4.2/18, Error ellipse: s-maj=5.3km s-min=4.1km az=23.8

SCB 11 15:09:20.6,1.5,17.97S;69.30W,h143km,6km, ML4.5/2, Error ellipse: s-maj=5.3km s-min=2.1km az=10

ISCJB 11 15:09:22.4,0.6,17.96S;69.45W,h135km,4km, ML4.4

ISCJB 11 15:09:21.4,0.6,17.93S;69.13W,h18km,20km,mb4.0/13, mb1 4.2/17,mb1mx4.0/41,mbtmp4.4/17, Error ellipse: s-maj=18.4km s-min=13.2km az=31.0

ISCJB 11 15:09:21.4,0.6,17.93S;69.13W,h18km,20km,mb4.0/13, mb1 4.3/36,mb1mx3.6/33,mbtmp4.3/36,ML4.0/6,MS4.8/1, Ms1 4.8/1,ms1mx3.4/75, Error ellipse: s-maj=11.9km s-min=9.3km az=12.0

BJI 11 15:21:14.3,38.30N;46.80E,h10km,mb4.7/32,mb4.9/14, MS4.6/13,MS7.4/12

MOS 11 15:21:14.0,1.5,38.33N;46.88E,h12km,mb4.8/45, Error ellipse: s-maj=5.2km s-min=3.4km az=113.8

TEH 11 15:21:14.5,38.43N;46.80E,h4km,ML4.7

NEIC 11 15:21:14.6,0.0,38.43N;46.80E,h4km,mb4.7/12, MN4.5(TEH), After TEH

THR 11 15:21:14.5,0.7,38.49N;46.76E,h14km,10km,ML4.6

DSN 11 15:21:16.0,0.5,38.43N;47.08E,h10km,mb5.0/6, Error ellipse: s-maj=9.4km s-min=4.0km az=32.0

NNC 11 15:21:17.5,4.0,38.91N;47.13E,h0km,mb5.5,mpv5.4, Error ellipse: s-maj=35.1km s-min=17.8km az=56.0

ISCJB 11 15:21:18.7,0.5,38.36N;0.02,46.86E;0.0,h33km,4km, s-maj=1.7km az=23.9

NSCC 11 15:21:26.1,1.7,38.98N;46.15E,h37km,999km,ML3.4

ISC 11 15:21:15.9,0.7,38.46N;0.02,46.80E;0.0,h12km,4km, n467, a2511/500, mb4.6/86, 74C-2D, Iran-Azerbaijan border region

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

Table with columns for station name, frequency, polarization, and other parameters. Includes stations like MLR, AKASG, AKBB, AKKB, KIEV, etc.

Table with columns for station name, frequency, polarization, and other parameters. Includes stations like JAVC, MODS, MODS, MORC, MORC, VSU, VRAC, etc.

Table with columns for station name, frequency, polarization, and other parameters. Includes stations like MOY, GTA, ZAK, ZAK, ZAK, ZAK, etc.

ISCJB 11 15:31:59.0;0.4,23.66N;0.02:122.41E;0.02, h25km,3km, Error ellipse: s-maj=3.6km s-min=2.2km az=148.7 JMA 11 15:31:59.6,23.66N;122.40E,h40km,M2.2 TAP 11 15:32:00.3,23.72N;122.39E,h45km,1km,ML2.9,D ISC 11 15:31:56.5;1.1,23.65N;0.02:122.43E;0.02,h133km,9gkm, n51,06:59/97,Taiwan region Code Station Name Az El Phase ID Time Res

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like EGHF, EGPH, ESL, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like JISG, JISJ, JISJ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like GRMI, GRMI, NAX, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like AKH Alkhaklakai, IVIS Veis, DUS Dusheti, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like GYA0B ALIBECK ARRAY, ASHT Ashkhabad, IEMG Emgohil, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like SECR Apeiranthos, APE Apeiranthos, MLR Muntele Rosu, etc.

Table with columns: NOA, NORSAR Array B, ASAR Alice Springs, ASAR. Includes station names, frequencies, and coordinates.

Table with columns: SOKA Soboth, ABTA Abfallersbach, OBKA Obir, ESDC Sonseca Array. Includes station names, frequencies, and coordinates.

Table with columns: SEKA QZXX, QZXX Qazax, QZXX Qazax, QZXX. Includes station names, frequencies, and coordinates.

Table with columns: AZER 11 15:46:43.0, 38:61N-46:78E, 6C-12D, Error ellipse: s-maj=18.8km. Includes station names, frequencies, and coordinates.

ISN 11 16:00:45.4, 1.1, 38:56N-46:76E, h0km, 52km, ML4.0. Error ellipse: s-maj=2.4km s-min=1.1km az=17.0. Includes station names, frequencies, and coordinates.

Table with columns: XNQ ATGJ, ATGJ Alttagaj, ATGJ Alttagaj, ATGJ. Includes station names, frequencies, and coordinates.

IDC 11 15:51:17.4, 0.9, 52:50N-170:63W, h0km, mb4.1/21, mb1 4.3/23, mb1mx4.0/85, mbtmp4.1/23, ML3.6/2. Includes station names, frequencies, and coordinates.

ISN 11 16:00:50.0, 0.6, 38:43N-46:77E, h14km, gkm, ML3.9. Error ellipse: s-maj=4.2km s-min=2.0km az=59.0. Includes station names, frequencies, and coordinates.

Table with columns: XNQ QUB, QUB Quba, QUB Quba, QUB. Includes station names, frequencies, and coordinates.

ISC 11 15:51:21.8, 0.0, 52:19N-170:51W, h26km, mb4.0/2, ML3.6(AEIC), After AEIC. Includes station names, frequencies, and coordinates.

ISN 11 16:00:50.9, 1.0, 38:48N-46:79E, h0km, 7km, n128, n1973/160, mb38/21, 20C-25D. Includes station names, frequencies, and coordinates.

Table with columns: XNQ DZKA, DZKA David-gareji, DZKA David-gareji, DZKA. Includes station names, frequencies, and coordinates.

Main table listing stations: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nikolski High, Okmok Cone E, Okmok, etc.

Main table listing stations: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Heris, Tabriz, Bostanabad, etc.

Main table listing stations: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Qazax, Azerbaj, Qazax, etc.

550A	Nancy	39.93 269	P	P	17 55 05.6 +0.3
I39A	Houston	39.94 283	eP	P	17 55 05.7 +0.4
I39A	Houston	39.94 283	P	P	17 55 07.3 +2.0
H38A	Maiden Rock	39.94 284	P	P	17 55 05.7 +0.4
SPMM	Marine on St.	39.95 285	eP	P	17 55 05.5 +0.1
SPMM	Marine on St.	39.95 285	P	P	17 55 05.7 +0.4
LTK	Loutraki	40.03 89	eP	P	17 55 05.6 -0.5
LTK	Loutraki	40.03 89	P	P	17 55 05.6 +0.5
WCI	Wyandotte Cave	40.06 272	eP	P	17 55 07.1 +0.8
BG3	Lake Jocassee	40.07 265	eP	P	17 55 07.5 +1.0
W53A	Cullowhee	40.10 266	P	P	17 55 08.6 +1.7
TKL	Tuckaleechee C	40.15 267	P	P	17 55 05.9 -1.2
TKL	Tuckaleechee C	40.15 267	LR	LR	18 11 15.9
TKL	Tuckaleechee C	40.15 267	eP	P	17 55 06.7 -0.5
P45A	Graceland, Par	40.16 275	eP	P	17 55 07.3 +0.2
P45A	Graceland, Par	40.16 275	P	P	17 55 07.6 +0.5
R47A	Wooly Knot Far	40.16 272	P	P	17 55 07.6 +0.4
ALN	Alexandroupoli	40.17 83	eP	P	17 55 06.2 -1.0
ALN	Alexandroupoli	40.17 83	eP	pmax	17 55 06.2 -1.0
HODGE	Hodges	40.17 264	eP	P	17 55 07.3 +0.1
S48A	Wiedeman Farm,	40.27 271	P	P	17 55 09.5 +1.4
T49A	Edmonton	40.30 270	eP	P	17 55 08.3 -0.1
T49A	Edmonton	40.30 270	P	P	17 55 09.1 +0.8
I38A	Scanlan Farm,	40.32 283	P	P	17 55 09.0 +0.5
U50A	Jamestown	40.32 269	P	P	17 55 09.7 +1.1
L41A	Preston	40.33 280	P	P	17 55 09.1 +0.6
C33A	Trail	40.35 290	P	P	17 55 08.7 +0.1
K40A	Colesburg	40.35 281	P	P	17 55 10.3 +1.6
V51A	Loudon	40.41 267	eP	P	17 55 08.4 -0.9
FFC	Flin Flon	40.42 303	eP	P	17 55 08.2 -0.9
FFC	Flin Flon	40.42 303	eP	pmax	17 55 08.2 -0.9
DYR	Agios Nikonas	40.44 91	P	P	17 55 08.6 -0.9
HDIL	Hopedale	40.48 277	eP	P	17 55 10.2 +0.4
HDIL	Hopedale	40.48 277	P	P	17 55 10.9 +1.0
DID	Didima	40.52 89	eP	P	17 55 07.7 -2.5
DID	Didima	40.52 89	P	P	17 55 11.1 0.0
W52A	Murphy	40.62 266	eP	P	17 55 11.1 0.0
X53A	Estanolee	40.63 265	P	P	17 55 12.4 +1.3
P44A	Sand Creek, Wi	40.73 275	P	P	17 55 12.7 +0.9
PRGR	Permogore	40.74 46	eP	pmax	17 55 11.7 0.0
CPCT	Cooper Cave	40.75 267	eP	P	17 55 12.0 -0.1
L40A	Anamosa	40.77 280	eP	P	17 55 13.3 +1.1
L40A	Anamosa	40.77 280	P	P	17 55 13.6 +1.4
Q45A	Warren Harvey,	40.80 274	P	P	17 55 13.8 +1.3
TAM	Tamanrasset	40.80 122	eP	P	17 55 12.8 +0.1
TAM	Tamanrasset	40.80 122	eP	pmax	17 55 12.9 +0.1
K39A	Delwein	40.80 281	P	P	17 55 12.9 +0.5
J38A	Wedel Dairy, R	40.81 283	P	P	17 55 13.2 +0.7
R46A	Gibson Southern	40.82 273	P	P	17 55 13.1 +0.4
T48A	Bowling Green	40.83 271	P	P	17 55 13.7 +1.0
U49A	Red Boiling Sp	40.83 269	P	P	17 55 14.4 +1.6
OLIL	Olney	40.86 274	eP	P	17 55 13.6 +0.7
X52A	Dahlonega	40.92 266	P	P	17 55 13.4 -0.2
V50A	Pikeville	40.96 268	P	P	17 55 14.1 +0.3
I37A	Lemond, Waseca	40.97 284	eP	P	17 55 13.1 -0.7
USIN	University of	41.07 273	eP	P	17 55 14.2 -0.4
W51A	Cleveland	41.09 267	P	P	17 55 14.7 -0.2
P43A	Skaggs, Pawnee	41.18 276	P	P	17 55 14.5 -1.0
Z54A	Sparta	41.20 263	P	P	17 55 16.7 +0.9
L39A	Vinton	41.21 281	P	P	17 55 17.1 +1.3
Y53A	Monroe	41.23 265	P	P	17 55 18.4 +2.3
R45A	Skylar, Fairfi	41.24 273	P	P	17 55 16.2 +0.1
U48A	Cassie Pea, Po	41.30 270	P	P	17 55 17.3 +0.7
Q44A	Meyer Farm, Va	41.32 275	P	P	17 55 16.6 -0.2
M40A	Post Highland	41.33 280	P	P	17 55 17.2 +0.4
T47A	Sharon Grove	41.34 271	eP	P	17 55 17.4 +0.5
T47A	Sharon Grove	41.34 271	P	P	17 55 17.7 +0.7
N41A	Harden Midland	41.35 278	eP	P	17 55 16.0 -1.0
N41A	Harden Midland	41.35 278	P	P	17 55 17.1 +0.2
K38A	Parkersburg	41.37 282	eP	P	17 55 16.4 -0.7
K38A	Parkersburg	41.37 282	P	P	17 55 17.7 +0.6
155A	Kite	41.39 262	P	P	17 55 18.6 +1.2
V49A	McMinnville	41.39 269	P	P	17 55 18.2 +0.8
W50A	Signal Mountain	41.40 268	eP	P	17 55 16.9 -0.5
W50A	Signal Mountain	41.40 268	P	P	17 55 17.8 +0.3
LPSR	Galich'ya Gora	41.41 60	eP	pmax	17 55 17.7 +0.5
H35A	Sunnyside Ranc	41.44 286	P	P	17 55 18.1 +0.4
J37A	Redenius Farm,	41.46 283	P	P	17 55 18.6 +0.8
G07A	Godfrey	41.46 264	eP	P	17 55 18.3 +0.3
G0GA	Godfrey	41.46 264	eP	pmax	17 55 18.3 +0.3
G0GA	Godfrey	41.46 264	P	pmax	17 55 20.0 +2.0
Y52A	Libburn	41.52 265	eP	P	17 55 18.4 -0.1
Y52A	Libburn	41.52 265	P	P	17 55 18.6 +0.1
X51A	Cathoun	41.54 266	eP	P	17 55 18.6 +0.1

Z53A	Monticello	41.62 264	P	P	17 55 18.7 -0.5
M39A	Webster	41.69 280	P	P	17 55 19.7 -0.1
P42A	Winchester	41.71 277	eP	P	17 55 20.1 +0.1
P42A	Winchester	41.71 277	P	P	17 55 19.7 -0.2
O41A	Passleys Farm,	41.72 278	P	P	17 55 19.7 -0.3
R44A	Waltonville	41.77 274	P	P	17 55 21.0 +0.6
SWET	Swet	41.77 268	eP	P	17 55 21.6 +1.1
L38A	Oak Wood Farm,	41.78 281	P	P	17 55 20.9 +0.4
154A	Mintrose	41.79 263	eP	P	17 55 20.3 -0.4
T46A	Princeton	41.80 272	P	P	17 55 21.2 +0.5
U47A	Clarksville	41.81 271	P	P	17 55 21.0 +0.2
S45A	Clarke Mills	41.81 273	P	P	17 55 20.5 -0.3
K37A	Belmond	41.82 283	P	P	17 55 21.6 +0.8
ANWB	Willy Bob	41.86 226	eP	P	17 55 20.2 -1.1
255A	Hazlehurst	41.88 262	eP	P	17 55 21.0 -0.4
255A	Hazlehurst	41.88 262	P	P	17 55 21.0 -0.4
J36A	Seneca 1, Swea	41.92 284	eP	P	17 55 22.1 +0.5
J36A	Seneca 1, Swea	41.92 284	P	P	17 55 21.9 +0.3
V48A	Smith Brothers	41.98 269	eP	P	17 55 22.5 +0.4
V48A	Smith Brothers	41.98 269	P	P	17 55 22.8 +0.7
VORR	Voronetz	42.01 61	eP	pmax	17 55 21.0 -1.2
VORR	Voronetz	42.01 61	pmax	pmax	17 55 23.0 +0.3
W49A	Belzere	42.04 268	P	P	17 55 23.1 +0.2
SCIA	State Center	42.07 281	eP	P	17 55 23.1 +0.2
SCIA	State Center	42.07 281	P	P	17 55 23.3 +0.5
P41A	Barry, Barry	42.10 277	P	P	17 55 23.3 +0.2
X50B	Fort Payne	42.10 267	P	P	17 55 23.4 +0.2
Y51A	Rockmart	42.11 266	P	P	17 55 23.6 +0.3
SIUC	Southern Ilin	42.18 274	eP	P	17 55 23.7 -0.1
Z52A	Williamson	42.20 265	P	P	17 55 24.3 +0.4
VSR	Storzhevoje	42.22 62	eS	P	17 55 23.8 -0.1
VSR	Storzhevoje	42.22 62	pmax	pmax	18 01 43.1 -0.5
VSR	Storzhevoje	42.22 62	smax	smax	17 55 23.0 +0.3
VSR	Storzhevoje	42.22 62	MLR	MLR	17 55 23.1 +0.2
S44A	Carbondale	42.22 274	P	P	17 55 24.3 +0.2
SLM	Saint Louis	42.23 275	eP	P	17 55 23.1 -1.1
SLM	Saint Louis	42.23 275	P	pmax	17 55 23.1 -1.1
Q42A	Golden Eagle	42.24 276	P	P	17 55 25.2 +0.9
N39A	Derby Farms, D	42.25 280	eP	P	17 55 24.4 0.0
N39A	Derby Farms, D	42.25 280	P	P	17 55 24.3 0.0
L37A	Phoenix Point,	42.27 282	P	P	17 55 25.4 +0.9
R43A	Red Bud	42.27 275	P	P	17 55 25.3 +0.8
T45A	Paducah	42.27 272	eP	P	17 55 26.0 +1.5
IMMV	lera Mon,0.8s	42.29 91	P	P	17 55 24.7 0.0
O40A	La Belle	42.32 278	P	P	17 55 25.8 +0.9
VWT	Waverly	42.34 271	eP	P	17 55 25.0 -0.1
VWT	Waverly	42.34 271	eP	pmax	17 55 25.0 -0.1
VWT	Waverly	42.34 271	pmax	pmax	17 55 24.9 -0.3
M38A	Pleasantville	42.35 281	P	P	17 55 25.6 +0.5
V47A	Nunnely	42.35 270	P	P	17 55 25.8 +0.6
K36A	Gilmore City	42.39 283	P	P	17 55 27.0 +1.6
U46A	Springville	42.41 271	P	P	17 55 25.6 -0.1
VORD	Divnogorie	42.41 62	eP	pmax	17 55 25.7 +0.2
VORD	Divnogorie	42.41 62	pmax	pmax	17 55 26.1 +0.2
W48A	Pulaski	42.44 269	P	P	17 55 26.1 +0.2
X49A	Woodville	42.48 268	P	P	17 55 26.5 +0.3
MDND	Maddock	42.50 292	eP	P	17 55 25.4 -0.9
Y50A	Piedmont	42.53 266	P	P	17 55 27.0 +0.3
SABA	Saba	42.56 228	eP	P	17 55 26.0 -1.0
Z51A	Franklin	42.58 265	P	P	17 55 27.4 +0.3
SANT	Santorini	42.61 89	eP	P	17 55 26.9 -0.5
Q41A	Truxton	42.64 276	P	P	17 55 27.7 +0.2
O39A	Kirkville	42.65 279	P	P	17 55 27.6 +0.1
SIM	Simferopol'	42.68 73	eP	P	17 55 28.9 +1.1
SIM	Simferopol'	42.68 73	eS	pmax	18 01 52.0 +1.3
SIM	Simferopol'	42.68 73	pmax	pmax	17 55 28.0 -0.6
STVI	Saint Thomas	42.72 230	eP	P	17 55 28.7 +0.4
V46A	Holladay	42.73 270	P	P	17 55 28.0 -0.3
152A	Waverly Hall	42.74 264	eP	P	17 55 28.0 -0.4
N38A	Joess South For	42.74 280	P	P	17 55 29.4 +1.1
FVM	French Village	42.76 275	eP	P	17 55 28.9 +0.4
FVM	French Village	42.76 275	eP	pmax	17 55 28.9 +0.4
W47A	Westpoint	42.77 269	P	P	17 55 28.0 -0.6
U45A	Rockin P Farm,	42.78 272	P	P	17 55 28.8 +0.2
P40A	Paris	42.79 278	eP	P	17 55 29.2 +0.5
P40A	Paris	42.79 278	P	P	17 55 28.8 +0.1
253A	Americus	42.80 263	eP	P	17 55 28.6 -0.3
R42A	Luebering	42.80 275	P	P	17 55 29.4 +0.6
S43A	Fulton Ridge,	42.80 274	P	P	17 55 29.1 +0.2
L36A	Harris Buss Farm	42.83 282	P	P	17 55 29.1 0.0
M37A	Trindle Farm,	42.88 281	P	P	17 55 30.9 +1.4
YK3W	Yellowknife Ar	42.89 317	eP	P	17 55 28.6 -0.6
CUPR	Culebra, Puert	42.91 231	eP	P	17 55 28.9 -1.0
658A	Bunnell	42.92 258	eP	P	17 55 28.4 -1.4

YKA	
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PV19	Morning Glory comp=Z,38nm,1.0s	53.73 288 eP	P	17 56 52.7 -0.7	BRVK Borovoye comp=Z,77nm,1.7s	56.48 45cP pmax	P	17 57 13.9 +1.0	Y12C Blythe comp=Z,79nm,1.0s	60.11 287 eP	P	17 57 39.1 +0.6
PV13	Radium Mtn., P comp=Z,47nm,1.0s	53.73 287 eP	P	17 56 54.0 +0.5	BVA0 Borovoye Arry 56.55 45 i P pmax	P	17 57 13.9 +0.5	Y12C Blythe bazz=45,SNR=9.7	60.11 287 P	P	17 57 39.6 +1.2	
PV17	East W. Mesa comp=Z,102nm,0.9s	53.73 288 eP	P	17 56 53.7 +0.2	BVA0 Borovoye Arry comp=Z,48nm,1.0s	56.55 45 P pmax	P	17 57 15.1 +1.8	AFDM Forest Hills D comp=Z,26nm,1.5s	60.13 296 eP	P	17 57 38.4 -0.3
SPUT	South Promonto comp=Z,24nm,0.9s	53.74 293 eP	P	17 56 51.8 -1.7	BVAR Borovoye Arry comp=Z,23nm,0.7s,baz=308,slow=7.2,SNR=86	56.55 45 P LR	P	17 57 15.1 +1.8	PRAC Prado 60.17 232 eP	P	17 57 37.4 -1.7	
WRH	Wood River Hill comp=Z,29nm,1.1s	53.78 31 eP	P	17 56 53.0 -0.2	BVAR Borovoye Arry comp=Z,23nm,0.7s,baz=308,slow=7.2,SNR=86	56.55 45 P LR	P	17 57 15.1 +1.8	PRAC Prado 60.17 232 eP	P	17 57 36.8 -2.5	
P17A	Butcher Ranch, comp=Z,31nm,1.3s	53.78 290 eP	P	17 56 54.4 -0.8	SZCU Shurtz Canyon comp=Z,52nm,1.5s	56.60 290 eP	P	17 57 13.8 -0.4	IRM Iron Mountain bazz=45,SNR=9.5	60.19 288 P	P	17 57 39.9 +0.8
PAX	Paxson comp=Z,26nm,0.9s	54.07 329 eP	P	17 56 56.5 +1.0	SKT Skwentna comp=Z,39nm,0.8s	56.69 331 eP	P	17 57 14.2 0.0	MPMC Manual Prospec bazz=45,SNR=25	60.20 291 P	P	17 57 40.0 +0.6
PAX	Paxson comp=Z,26nm,0.9s	54.07 329 P	P	17 56 56.8 +1.3	LTX Lajitas 56.70 276 eP	P	17 57 16.3 +1.4	CWC Cottonwood Cre bazz=45,SNR=25	60.27 292 P	P	17 57 40.9 +1.1	
SRU	San Rafael Hill comp=Z,29nm,1.0s	54.09 289 eP	P	17 56 55.3 -0.8	LTX Lajitas 56.70 276 eP	P	17 57 16.3 +1.4	GSC Goldstone, Bar comp=Z,24nm,1.1s	60.34 290 eP	P	17 57 39.0 -1.2	
BMO	Blue Mountains comp=Z,8.6nm,0.7s	54.12 299 eP	P	17 56 54.3 -1.8	TX31 Lajitas Ar. Si 56.70 276 eP	P	17 57 14.5 -0.4	GSC Goldstone, Bar comp=Z,24nm,1.1s	60.34 290 eP	P	17 57 39.0 -1.2	
BMO	Blue Mountains comp=Z,8.6nm,0.7s	54.12 299 eP	P	17 56 54.3 -1.8	TXAR Lajitas Ar. comp=Z,3.4nm,0.7s,baz=56,slow=7.3,SNR=30	56.70 276 eP LR	P	17 57 16.3 +1.4	GSC Goldstone, Bar bazz=45,SNR=8.7	60.34 290 P	P	17 57 40.7 +0.5
BMO	Blue Mountains comp=Z,9.0nm,0.7s	54.12 299 eP	P	17 56 54.3 -1.8	PINE Pine Mountain 56.77 300 eP	P	17 57 15.2 -0.1	113A Mohawk Valley, comp=Z,30nm,1.0s	60.36 286 eP	P	17 57 39.1 -1.1	
MPU	Maple Canyon comp=Z,22nm,1.1s	54.13 291 eP	P	17 56 55.3 -1.1	CUU Cedar City comp=Z,33nm,1.1s	56.79 290 eP	P	17 57 15.4 -0.2	214C Organ Pipe Nat bazz=44,SNR=17	60.37 285 P	P	17 57 40.9 +0.6
MLY	Manley comp=Z,30nm,1.6s	54.13 333 eP	P	17 56 55.8 0.0	SUA Susitna One comp=Z,34nm,1.0s	56.85 290 eP	P	17 57 16.1 +0.6	HEC Hector,Ludlow bazz=45,SNR=8	60.41 290 P	P	17 57 40.8 +0.2
MVCO	Mesa Verde comp=Z,33nm,1.0s	54.17 286 eP	P	17 56 56.1 -0.6	X18A Snowflake comp=Z,7nm,0.9s	56.86 285 eP	P	17 57 16.3 +0.2	NVS Novosibirsk 60.42 37 i P pmax	P	17 57 42.5 +2.2	
MVCO	Mesa Verde bazz=48,SNR=7.1	54.17 286 P	P	17 56 58.0 +1.2	ZARC Zaragoza, Cauc 56.89 234 eP	P	17 57 14.8 -1.4	NVS Novosibirsk comp=Z,93nm,1.2s	60.42 37 i P pmax	P	17 58 23.6	
AB31	Akbulak array comp=Z,52nm,1.1s	54.20 54cP pmax	P	17 56 56.8 +0.3	U15A North Rim comp=Z,20nm,0.8s	56.94 288 eP	P	17 57 16.4 -0.3	NVS Novosibirsk comp=N,14nm,0.9s	60.42 37 i P pmax	P	17 58 23.6
AB31	Akbulak array comp=Z,52nm,1.1s	54.20 54 eP	P	17 56 56.5 0.0	121A Cookes Peak, D bazz=49	56.95 282 P	P	17 57 16.1 -0.6	NVS Novosibirsk comp=N,14nm,0.9s	60.42 37 i P pmax	P	17 58 23.6
ABKAR	Akbulak array comp=Z,52nm,1.1s	54.20 54 eP	P	17 56 56.5 0.0	BMN Battle Mountai 57.02 295 eP	P	17 57 17.0 -0.1	NVS Novosibirsk comp=N,14nm,0.9s	60.42 37 i P pmax	P	17 58 23.6	
MFID	Carnas Ranch comp=Z,33nm,1.5s	54.25 297 eP	P	17 56 56.9 -0.2	BMN Battle Mountai 57.02 295 eP	P	17 57 17.0 -0.1	LRMC Laurel Mtn Rad bazz=45,SNR=7.6	60.72 291 P	P	17 57 42.9 0.0	
BGU	Big Grassy Mou comp=Z,16nm,1.0s	54.33 293 eP	P	17 56 57.0 -0.7	BMN Battle Mountai 57.02 295 eP	P	17 57 17.0 -0.1	BC3 Big Chuckwall bazz=44,SNR=8.8	60.73 288 P	P	17 57 43.5 +0.6	
TMUT	Trail Mountain comp=Z,16nm,1.0s	54.36 290 eP	P	17 56 58.1 -0.1	WUAZ Wupatki comp=Z,52nm,1.4s	57.02 287 eP	P	17 57 16.7 -0.4	GLA Glamis comp=E,34nm,1.1s	60.79 287 eP	P	17 57 42.0 -1.2
HARP	HAARP comp=Z,75nm,1.0s	54.38 328 eP	P	17 56 58.5 +0.9	WUAZ Wupatki comp=Z,52nm,1.4s	57.02 287 eP	P	17 57 17.0 -0.2	GLA Glamis comp=E,34nm,1.1s	60.79 287 eP	P	17 57 42.0 -1.2
BWN	Browne comp=Z,81nm,0.8s	54.41 331 eP	P	17 56 58.3 +0.5	LCMT Little Creek M comp=Z,9.3nm,1.0s	57.09 289 eP	P	17 57 17.5 -0.1	GLA Glamis comp=Z,34nm,1.1s	60.79 287 P	P	17 57 43.9 +0.7
NLU	North Lily Min comp=Z,20nm,1.2s	54.43 292 eP	P	17 56 58.8 +0.3	H04D Lebanon bazz=47	57.23 302 P	P	17 57 18.3 +0.1	GLA Glamis bazz=44,SNR=5.6	60.79 287 P	P	17 57 44.5 +1.1
TASL	Snake Pit, Alb bazz=47,SNR=16	54.49 283 P	P	17 56 60.0 +1.0	J05D Fort Rock, OR bazz=47,SNR=12	57.27 300 P	P	17 57 18.8 0.0	BELC Belle Mtn, Jos comp=Z,15nm,1.1s	60.80 289 P	P	17 57 44.5 +1.1
ANMO	Albuquerque comp=Z,4.1nm,0.8s,baz=92,slow=8.8,SNR=12	54.49 283 P	P	17 56 59.9 +0.9	RUSC La Rusia comp=Z,9nm,1.4s	57.40 232 eP	P	17 57 19.4 -1.0	ZAIG Zacatecas comp=Z,84nm,1.9s	60.80 270 eP	P	17 57 42.4 -1.3
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	SPU Mount Spurr comp=Z,136nm,1.5s	57.47 299 eP	P	17 57 20.3 +0.5	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	K05A Summer Lake comp=Z,136nm,1.5s	57.47 299 eP	P	17 57 20.4 +0.1	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR	P	17 57 45.2 +0.9
ANMO	Albuquerque comp=Z,684nm,18.8s,baz=52,slow=35	54.49 283 eP	P	17 56 59.2 +0.2	R11A Troy Canyon, C comp=Z,24nm,1.4s	57.52 292 eP	P	17 57 20.0 -0.6	GEYT Alibek comp=Z,13nm,0.9s,baz=279,slow=15,SNR=17	60.97 65 P LR</		

comp=Z,200nm,0.4s ePn Pb 18 14 06.9 -2.4

MAN 11 18:19:14.7,9.25N:124.36E,h14km,mb4.4,ML3.2,MS3.0

IC, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
CGP	Cagayan de Oro	0.86	157	eP	Pg		18 19 30.5	-0.8
CGP				eS	Pb		18 19 36.3	-6.3
MSP	Maasin	1.01	29	eP	Pb		18 19 32.6	-1.4
MSP				eS	Pb		18 19 41.3	-5.8
BUKP	Buguan	1.53	153	eP	Pn		18 19 40.4	-1.2
BUKP				eS	Pb		18 20 02.4	+0.3
PAGZ	Pagadian	1.69	215	eP	Sb		18 19 43.6	-0.3
PAGZ				eS	Sn		18 20 01.6	-3.8

THR 11 18:30:18.2,0.6,38.48N:46.81E,h46km,52km,ML3.5
 AZER 11 18:30:18.7,0.1,38.38N:46.66E,h9km,m13,9.28, Error
 ellipse: s-maj=3.1km s-min=0.6km az=21.0
 TEH 11 18:30:19.3,38.43N:46.86E,h4km,ML3.7
 IDC 11 18:30:20.9,2.3,38.52N:46.96E,h0km,mb3.4/4,
 mb1 3.7/7,mb1mx3.4/57,mbtmp3.6/7,ML3.9/2, Error
 ellipse: s-maj=40.3km s-min=13.9km az=16.0
 NNC 11 18:30:23.9,4.3,38.91N:47.27E,h0km,mb4.2,mpv4.2,
 Error ellipse: s-maj=38.3km s-min=18.7km az=59.0
 NEIC 11 18:30:23.4,1.1,38.68N:47.14E,h10km,mb4.1/9,
 MN3.6(TEH), Error ellipse: s-maj=25.0km s-min=6.4km
 az=190.0

ISC 11 18:30:20.5,1.0,38.47N:0.02,46.87E,0.02,h10km,7km,
 n103,az=11/123,mb4.0/1.1,31C-23D,
 Iran-Armenia-Azerbaijan border region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
IHRH	Heris	0.21	138	eP	Pg		18 30 23.4	-1.5
IHRH				e	Pb		18 30 26.8	
IHRH	comp=E,2335μm,0.4s			e			18 30 26.8	
IHRH	comp=N,3117μm,0.3s			e			18 30 26.9	
IHRH	comp=Z,76μm,0.2s			e			18 30 26.9	
ITBZ	Tabriz	0.61	247	eP	Pg		18 30 30.8	-1.6
ITBZ				e	Pb		18 30 40.5	
ITBZ	comp=N,40μm,0.2s			e			18 30 40.6	
ITBZ	comp=E,86μm,0.1s			e			18 30 41.6	
ITBZ	comp=Z,68μm,0.2s			e			18 30 41.6	
IBST	Bostanabad	0.77	178	eP	Pg		18 30 32.8	-2.6
IBST				e	Pb		18 30 33.7	
IBST	comp=Z,36μm,0.2s			e			18 30 45.1	
IBST	comp=E,34μm,0.2s			e			18 30 48.4	
IBST	comp=N,32μm,0.2s			e			18 30 48.4	
ORD	Ordubad	0.82	304	↑P	Pg		18 30 35.6	-0.7
ORD				↑S	Pb		18 30 46.9	-0.1
GRMI	Germi	0.87	67	eP	Pg		18 30 36.5	-0.8
GRMI				eS	Pb		18 30 49.0	-0.7
GRMI	comp=N,2μm,0.4s			IAML			18 30 55.1	
GRMI	Germi	0.87	67	eP	Pg		18 30 36.5	-0.8
ISRB	Sarab	0.90	135	eP	Pg		18 30 35.8	-2.1
ISRB				e	Pb		18 30 50.6	
ISRB	comp=N,96μm,0.3s			e			18 30 50.7	
ISRB	comp=Z,33μm,0.2s			e			18 30 53.4	
ISRB	comp=E,68μm,0.3s			e			18 30 53.4	
IMRD	Marand	0.94	285	eP	Pg		18 30 37.7	-1.0
IMRD				e	Pb		18 30 53.3	
IMRD	comp=N,191nm,0.1s			e			18 30 53.6	
IMRD	comp=Z,19μm,0.2s			e			18 30 54.5	
IMRD	comp=E,50μm,0.5s			e			18 30 54.5	
ISHB	Shabestar	1.00	260	eP	Pg		18 30 38.1	-1.6
ISHB				e	Pb		18 30 53.8	
ISHB	comp=E,2μm,0.4s			e			18 30 54.0	
ISHB	comp=Z,97μm,0.3s			e			18 30 54.5	
LRK	comp=N,12μm,0.3s			e			18 30 54.5	
LRK	Lerik	1.17	81	↑P	Pg		18 30 41.8	-1.2
LRK	SNR=27			↑S	Pb		18 30 59.0	-0.2
NAX	Nakhchivan	1.28	304	↑S	Pn		18 30 45.7	+0.6
NAX				↑S	Pb		18 30 42.4	+0.5
NAX				↑S	Pb		18 30 45.7	+0.3
SBZ	Shahbuz	1.38	312	↑P	Pn		18 31 05.0	+0.2
SBZ				↑S	Pb		18 30 48.4	+0.7
GLBA	Cililabad	1.42	57	↑P	Pg		18 30 48.4	+0.7
GLBA	SNR=14			↑S	Pb		18 31 11.0	+4.8
GLBA	Astara	1.51	86	↑P	Pg		18 30 48.1	-0.6
GLBA	SNR=16			↑S	Pb		18 31 11.6	+2.5
ASTR	Lenkeran, Azer	1.52	80	↑S	Pg		18 30 48.2	-0.5
ASTR	SNR=30			↑S	Pb		18 30 55.8	+0.6
BRDA	Brda	1.81	8	P	Pg		18 30 22.4	+3.8
BRDA	SNR=12			↑S	Pb		18 30 55.5	0.0
ZRD	Zardab	1.91	19	↑P	Pb		18 31 25.3	+3.6
ZRD				↑S	Pb		18 30 49.0	-4.4
MAKU	Maku	1.92	298	eP	Pn		18 31 28.2	
MAKU	comp=E,362nm,0.4s			IAML			18 30 49.0	-4.4
MAKU	Heyderabad	2.00	309	↑P	Pn		18 30 55.7	+1.2
HYR	Hyderabad	2.01	309	↑P	Pb		18 31 22.8	+0.7
GANJ	Ganja	2.21	349	↑P	Sb		18 30 58.4	+1.1
GANJ				↑S	Pb		18 31 28.6	+0.5
ALIB	Alibayli	2.23	48	↑P	Sb		18 30 59.7	-1.2
ALIB				↑S	Pb		18 31 35.9	+3.8
MNGR	Mingechevir, A	2.30	4	↑P	Sb		18 31 00.5	-1.6
MNGR				↑S	Pb		18 31 35.0	+0.5
ZNJK	Zanjan	2.31	141	eP	Pn		18 31 00.0	+1.1
ZNJK				eP	Pn		18 31 00.0	+1.1
GNI	Garni	2.35	316	eP	Pn		18 31 03.4	+0.4
GNI	comp=E,33nm,0.3s,baz=120,slow=1.0,SNR=28			Lg			18 31 36.2	
GNI	comp=E,33nm,0.3s,baz=242,slow=1.8,SNR=5.7			Lg			18 31 05.0	-0.6
GNI	Garni	2.35	316	eP	Pg		18 31 02.4	-0.7
GNI				eP	Pb		18 31 02.4	-0.7
GNI				eP	Pb		18 31 36.2	
CEDR	Caldiran	2.40	387	eP	Pb		18 31 04.2	+0.2
CEDR	GEDABAY	2.41	339	↑P	Pb		18 31 01.1	+0.9
GDB	Gardabey	2.42	387	↑P	Pb		18 31 35.1	+1.3
GDB				↑S	Pb		18 31 05.0	-1.1
IML	Ismayilli	2.53	23	↑P	Pg		18 31 41.4	-0.4
IML				↑S	Pb		18 31 05.2	-1.1
TASB	TASBRUN-IGDIR	2.54	307	↑P	Pb		18 31 05.9	+1.1
GBL	Gabala	2.58	17	↑P	Sb		18 31 02.6	-0.9
GBL				↑S	Pb		18 31 06.5	-1.0
GBS	Gobustan	2.61	37	↑P	Sb		18 31 05.1	+0.6
GBS				↑S	Pb		18 31 07.6	-0.9
PQL	Pirkuli	2.67	29	↑P	Sg		18 31 44.1	-2.2
PQL				↑S	Pb		18 31 09.0	+1.1
VANB	Van	2.73	274	↑P	Sb		18 31 08.3	-1.4
SEKA	Sheki	2.75	5	↑P	Pb		18 31 43.3	-0.2
SEKA				↑S	Pb		18 31 07.9	+2.1
OZX	Ozaxa, Azerbai	2.83	336	↑P	Pb		18 31 45.0	-0.8
OZX				↑S	Pb		18 31 11.1	-0.5
CUKT	Cukurca	2.85	246	↑P	Sb		18 31 10.4	-1.3
CUKT	Khinaliq	2.87	20	↑P	Sb		18 31 47.7	+0.5
XNO	Xinaliq	2.87	20	↑P	Sb		18 31 10.7	-1.2
ATGJ	Altighaj	2.87	33	↑P	Pb		18 31 47.3	+0.1
ATGJ				↑S	Pb		18 31 12.2	-0.8
GOBA	Gobu	2.94	48	↑P	Pb		18 31 15.3	+1.0
DDFL	Defolistskaro	3.02	349	↑P	Pb		18 31 54.2	+2.2
SIZA	Siyazan	3.04	23	↑P	Sb		18 31 54.4	+2.5
SIZA				↑S	Pb		18 31 14.7	-1.8
QUBA	Quba, Azerbaij	3.17	357	↑P	Pb		18 31 15.2	-1.7
ZKTA	Zakatala	3.17	357	↑P	Pb		18 31 55.7	+0.1
ZKTA				↑S	Pb		18 31 16.6	-0.8
GALA	Gala	3.20	52	↑P	Pb		18 31 17.0	-0.5
NDR	Nardaran	3.20	48	↑P	Pb		18 31 19.1	+1.3
AGRB	Hanur-Agry	3.21	291	eP	Pb		18 31 15.3	-2.6
QASAR	Qusar	3.22	19	P	Pb		18 31 15.3	-2.6
QASAR	SNR=9.0							

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
IGZV	Ghazvin	3.38	127	ePn	Pn		18 31 15.2	+1.5
IGZV	comp=E,4μm,0.5s			e			18 32 07.8	
IGZV	comp=Z,3μm,0.7s			e			18 32 09.2	
IGZV	comp=N,4μm,0.5s			e			18 32 18.1	
QABG	Abgarm-Gazvin	3.51	141	ePn	Pn		18 31 16.6	+1.2
QABG	comp=N,0.0nm,0.2s			e			18 32 16.0	
QABG	comp=N,0.0nm,0.8s			e			18 32 20.9	
QABG	comp=Z,0.0nm,0.6s			e			18 32 20.9	
ILIN	Lien	3.55	179	ePn	Pn		18 31 18.2	+2.3
ILIN	comp=E,539nm,0.5s			e			18 32 18.4	
ILIN	comp=E,938nm,0.6s			e			18 32 21.0	
SIRT	Sirnak	3.63	256	eP	Pb		18 31 23.9	-0.9
TBLG	Delisi	3.64	334	P	Pb		18 31 26.8	+1.8
TBLG	Delisi	3.64	334	ePn	Pb		18 31 24.8	-0.2
TBLG	Delisi	3.64	334	ePn	Pb		18 31 21.2	-3.7
RGD	Bogdanovka	3.75	319	P	Pb		18 31 29.4	+2.3
AKH	Akhalkalaki	3.92	320	P	Pb		18 31 42.4	+2.4
AKH	Akhalkalaki	3.92	320	ePn	Pb		18 31 25.1	+4.1
IRAZ	Razeghan	3.92	140	ePn	Pn		18 31 22.0	+0.9
IRAZ	comp=E,2μm,0.4s			e			18 32 26.6	

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like HFS, ZALV, ZALV, ZAA1, WMQ, etc.

KRSC 11 19:18:03.2-0.7, 53.93N-160.87E, h60km, 19km, ML3.6, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Lists stations like KII, SPN, NLC, etc.

JMA 11 19:31:12.2, 24:04N, 121:69E, h33km, M2.8
TAP 11 19:31:12.7, 24:08N, 121:70E, h40km, ML3.7, B
ISCJBJ 11 19:31:13.2-0.2, 24:08N, 01:121:74E, 0:01, h39km, 4km, Error ellipse: s-maj=2.6km s-min=1.9km az=136.9

ISC 11 19:31:13.5-1.0, 24:09N, 0:02-121:72E, 0:02, h33km, 3km, n100, e088/158, 2C-19D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Lists stations like TWD, HWA, ENLB, etc.

Main table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Lists stations like ENLB, ENA, ENA, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Lists stations like YMO8, ELDTW, WGW, etc.

GUC 11 19:35:55.1-0.6, 23:78S-67:53W, h253km, 10km, ML4.0, 9C, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Lists stations like PB15, PB06, PB05, etc.

ISCJBJ 11 19:44:32.1-0.5, 18:8S, 0:1x177:72W, 0:10, h600km,

11d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUJ, VWUC, KNM, KNNB, etc.

JMA 11 20:36:58 4.0, 2.2, 2.2, 2.2, 121.37E, h0km, M3.1
TAB 11 20:36:59.5, 22.99N, 120.92E, h3km, ML3.7, C
ISCBJ 11 20:37:00.3, 0.3, 2.2, 2.2, 98N, 0.01, 120.95E, 0.01, h1km, 2km,
Error ellipse: s-maj=2.3km s-min=2.1km az=31.9
ISC 11 20:36:59.8-0.9, 22.98N, 0.02, 120.99E, 0.02, h1km, 6km,
n96, r1515/136, 18C-4D, Taiwan

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

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Table with columns: TAW, CHNS, SCZT, etc. Includes stations like Tawu, Tsalung, Fanchau, etc.

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Table with columns: JLU, MATB, JISG, etc. Includes stations like Ma-tsu, Ishigakijimahi, Tarama, etc.

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

ISC 11 20:44:57.9,0.5,67N:158.47W,h0km,mb3.9/22, mb1.4/1.24,mb1mx3.9/78,mbtmp3.9/24,MLA.0/2,MS3.0/2, Ms1.3/0.2,ms1mx2.5/107,Error ellipse: s-maj=25.3km, s-min=15.6km az=177.0

ISCJB 11 20:45:01.2,0.4,55.63N:105.158W,0.06,h33km, mb4.0/23,MS3.5/1,Error ellipse: s-maj=7.8km, s-min=2.7km az=150.8

NEIC 11 20:45:03.0,0.0,55.60N:158.30W,h26km,ML3.8(AEIC), After AEGIC

ISC 11 20:45:03.0,0.0,55.62N:107.158W,0.04,h33km, n113,r1948/120,mb4.1/323,Alaska Peninsula

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

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

ISCJB 11 21:01:10.7,0.4,18.64N:104.145E,0.09,h200km, mb4.0/30,Error ellipse: s-maj=11.9km s-min=5.9km az=177.5

NEIC 11 21:01:11.6,1.0,18.65N:145.71E,h192km,10km, mb4.4/10,Error ellipse: s-maj=11.1km s-min=6.1km az=84.0

ISC 11 21:01:11.0,0.7,18.68N:145.63E,h184km,6km,mb3.8/21, mb1.3/0.24,mb1mx3.6/67,mbtmp4.3/24,MS3.0/1, Ms1.3/0.1,ms1mx2.8/266,Error ellipse: s-maj=16.8km s-min=9.2km az=86.7

ISC 11 21:01:11.8,0.5,18.69N:105.145E,0.1,h200km,n49, r194/51,mb4.1/30,Mariana Islands

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

ISC 11 21:41:39.3,0.7,53.69N:165.23W,h0km,mb4.0/26, mb1.4/1.28,mb1mx3.9/88,mbtmp4.0/26,ML3.3/2,MS3.3/12, Ms1.3/0.12,ms1mx3.0/82,Error ellipse: s-maj=19.3km s-min=10.5km az=177.0

ISCJB 11 21:41:42.1,0.2,53.48N:165.02W,0.03,h27km, mb4.3/84,MS3.4/13,Error ellipse: s-maj=3.9km s-min=2.1km az=12.1

BUI 11 21:41:42.8,0.5,69N:164.98W,h44km,mb4.7/9,mb4.8/6, Ms4.7/2,Ms7.4/5/3

NEIC 11 21:41:43.7,0.5,53.50N:165.10W,h22km,mb4.5/27, ML4.1(AEIC),After AEGIC

ISC 11 21:41:43.3,0.0,53.52N:165.06E,0.165,0.03,h35km, n277,r1953/278,mb4.4/84,MS3.3/13,Fox Islands

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

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

TEH 11 21:06:34.2,38.40N:46.82E,h14km,ML3.3 DDA 11 21:06:35.4,38.23N:46.99E,h4km,ML3.2 ISC 11 21:06:34.6,37.33N:46.83E,0.03,h2km,15km, n21,r1943/1,Iran-Armenia-Azerbaijan border region

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

ISC 11 21:41:43.3,0.0,53.52N:165.06E,0.165,0.03,h35km, n277,r1953/278,mb4.4/84,MS3.3/13,Fox Islands

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

SUA	Susitna One	11.05	38	ePn	Pn	21 44 20.4 +0.8
SKT	Skwentna	11.12	35	ePn	Pn	21 44 23.2 +2.9
PPLA	Purkeyville	11.57	31	ePn	Pn	21 44 20.0 +2.4
CAST	Castle Rocks	12.00	29	ePn	Pn	21 44 30.4 +1.7
SCM	Sheep Creek Mo	12.59	42	ePn	Pn	21 44 39.9 +0.5
BPAN	Bear River Mtn.	12.59	29	ePn	Pn	21 44 46.4 +2.6
RND	Reindeer	13.00	34	ePn	Pn	21 44 47.4 +1.4
RAGM	Ragged Mountai	13.04	50	ePn	Pn	21 44 48.5 +1.9
BMRM	Bremner River	13.31	48	ePn	Pn	21 44 55.2 +2.4
MLY	Manley	13.62	26	ePn	Pn	21 44 55.9 +1.5
HARP	HAARP	13.76	42	ePn	Pn	21 44 56.5 +0.2
WRH	Wood River Hill	13.82	29	ePn	Pn	21 44 57.2 +3.0
CCB	Clear Creek Bu	14.18	31	ePn	Pn	21 45 04.4 +2.3
IL1	Eielson Array	14.56	32	ePn	Pn	21 45 09.4 +2.2
ILAR	Eielson Array	14.56	32	ePn	Pn	21 45 04.3 -2.9
ILAR	comp-Z,127nm,18.6s,baz=195,slow=39				LR	21 51 05.4
RIDG	Independ'nd Rid	14.61	38	ePn	Pn	21 45 08.4 +0.5
SCRK	Sand Creek	15.06	38	ePn	Pn	21 45 16.1 +2.1
EGAK	Eagle	16.52	38	ePn	Pn	21 45 33.6 +0.8
DAWY	Dawson	16.84	41	ePn	Pn	21 45 37.7 +0.8
WHY	Whitehorse	17.76	54	ePn	Pn	21 45 50.5 +1.4
DLBC	Dease Lake	20.05	62	P	P	21 46 14.9 +0.8
INK	Inuvik	20.96	33	P	P	21 46 21.8 -1.9
INK	comp-Z,1.15nm,18.3s,baz=262,slow=13,SNR=7.9				LR	21 55 16.3
PETK	Petrovovsk	22.09	284	P	P	21 46 34.9 -1.2
PETK	Bella Bella	22.20	78	LR	LR	21 54 15.3
PETK	comp-Z,62nm,21.0s,baz=79,slow=34				LR	21 46 36.0 0.0
SEY	Seymchan	23.86	310	P	P	21 46 53.3 -0.7
MA2	Magadan	24.70	302	LR	LR	21 56 15.8
YKA	Yellowknife Ar	27.51	51	P	P	21 47 27.0 -0.1
H04D	Lebanon	28.80	91	P	P	21 47 41.2 +2.5
H04A	Detroit Lake	29.04	90	eP	P	21 47 42.1 +1.2
I04A	Tendick Farm,	29.40	92	P	P	21 47 46.6 +2.5
G06A	Carlson Farm,	29.67	88	eP	P	21 47 47.8 +1.3
HAWA	Hanford	29.72	85	eP	P	21 47 48.5 +1.7
NEW	Newport	30.22	80	P	P	21 47 52.6 +1.2
J05D	Fort Rock, OR	30.39	92	P	P	21 47 55.9 +2.8
YBH	Yreka Blue Hor	30.43	95	P	P	21 47 52.9 -0.5
YBH	comp-Z,88nm,20.1s,baz=313,slow=30				LR	21 56 59.0
M02C	Callahan	30.55	96	P	P	21 47 56.4 +1.9
M04C	Macedoi	30.92	95	P	P	21 48 00.1 +2.4
K05A	Summer Lake	30.92	92	eP	P	21 47 59.6 +1.8
O02D	Mt. Diablo Mer	31.35	98	P	P	21 48 04.4 +3.0
MOD	Modoc Plateau	31.76	93	eP	P	21 48 07.1 +2.0
O03D	Paynes Creek	31.86	97	P	P	21 48 07.5 +1.6
J08A	Circle Bar Ran	32.00	89	eP	P	21 48 08.7 +1.6
WVOR	Wild Horse Val	32.44	91	eP	P	21 48 12.9 +1.9
AFDM	Forest Hills D	32.22	98	eP	P	21 48 19.6 +1.8
MFID	Camas Ranch	33.55	87	eP	P	21 48 22.2 +1.5
PAHR	Pat Rah Range	33.67	95	eP	P	21 48 23.7 +1.9
VCNR	Virginia City	33.77	96	eP	P	21 48 24.9 +2.0
PNTR	Pine Nut	33.94	96	eP	P	21 48 27.2 +2.9
YERR	Yerington	34.22	96	eP	P	21 48 29.5 +2.8
HLID	Halley	34.30	86	P	P	21 48 28.8 +1.5
WAKR	Walker	34.41	97	eP	P	21 48 30.2 +1.9
BMN	Battle Mountai	34.50	93	eP	P	21 48 31.5 +2.4
MCMT	McKenzie Canyo	34.52	83	eP	P	21 48 30.7 +1.4
BOZ	Bozeman (W)	34.82	81	P	P	21 48 32.2 +0.4
KVN	Kaiserville	34.85	95	eP	P	21 48 34.7 +2.6
RYN	Ryan	34.88	96	eP	P	21 48 35.0 +2.7
ASAJ	Asahikawa	34.99	276	LR	LR	22 02 53.6
NV01	Mina Array Sit	35.14	96	eP	P	21 48 36.7 +2.1
NVAR	Mina Array Bea	35.14	96	eP	P	21 48 36.4 +1.8
NVAR	comp-Z,2.0nm,19.2s,baz=142,slow=36				PcP	21 51 05.1 -0.4
NV11	Mina Array Sit	35.22	96	eP	P	21 48 37.4 +2.1
OMMB	Old Mammoth Mi	35.26	98	eP	P	21 48 38.8 +3.0
HVU	Hansel Valley	36.33	87	eP	P	21 48 46.8 +2.0
RLMT	Red Lodge	36.47	80	eP	P	21 48 47.7 +1.7
RLMT	Red Lodge	36.47	80	eP	P	21 48 47.2 +1.2
CWC	Cottonwood Cre	36.59	99	P	P	21 48 49.3 +2.2
GRAC	Grapevine Rang	36.64	97	P	P	21 48 49.6 +2.2
R11A	Troy Canyon, C	36.80	94	eP	P	21 48 50.9 +2.0
R11A	Troy Canyon, C	36.80	94	eP	P	21 48 50.4 +1.5
DAC	Darwin (Calif)	36.99	98	eP	P	21 48 52.1 +1.6
MPMC	Manual Prospec	37.20	98	P	P	21 48 54.3 +2.0
DUG	Dugway, Tooele	37.28	89	eP	P	21 48 54.8 +2.0
DUG	Dugway, Tooele	37.28	89	eP	P	21 48 54.3 +1.5
FURC	Furnace Creek,	37.30	97	P	P	21 48 55.0 +2.3
TPNV	Topopah Spring	37.34	96	eP	P	21 48 55.3 +1.9
TPNV	Topopah Spring	37.34	96	eP	P	21 48 57.4 +1.3
PD31	Pinedale Array	37.65	83	eP	P	21 48 57.4 +1.3
PDAR	Pinedale Array	37.65	83	eP	P	21 48 57.4 +1.3
PSUT	Pine Spring	37.72	92	eP	P	21 48 58.6 +1.9
SHOC	Shoshone, Teco	38.03	98	P	P	21 49 00.6 +1.5
GSC	Goldstone, Bar	38.13	99	eP	P	21 49 02.2 +2.2
GSC	Goldstone, Bar	38.13	99	eP	P	21 49 01.2 +1.9
KLR	Kul'dur	38.52	290	P	P	21 49 01.2 -1.8
MSU	Marysville	38.73	91	eP	P	21 49 06.8 +1.6
TMUT	Trail Mountain	38.81	89	eP	P	21 49 08.0 +2.1
LCMT	Little Creek M	39.70	94	eP	P	21 49 10.4 +2.4
GMRC	Granite Mounta	39.16	98	eP	P	21 49 10.1 +1.4
P18A	Preston Nutter	39.17	88	eP	P	21 49 11.2 +2.3
SRU	San Rafael Swe	39.33	89	eP	P	21 49 12.3 +2.1

4.3nm,1.0s						
BELC	Belle Mtn. Jos	39.51	99	P	P	21 49 12.8 +1.2
FRD	Ford Ranch, An	39.51	101	P	P	21 49 13.3 +1.7
PFO	Pinyon Flats O	39.51	100	P	P	21 49 13.2 +1.5
IRM	Iron Mountain	39.90	98	P	P	21 49 16.4 +1.6
H1N2	WAKE ISLAND Hy	40.03	224	T	T	22 31 58.3
H1N3	WAKE ISLAND Hy	40.03	224	T	T	22 32 00.9
U15A	North Rim	40.04	93	eP	P	21 49 18.4 +2.2
O20A	White River Ci	40.05	86	eP	P	21 49 17.2 +1.1
O20A	White River Ci	40.05	86	eP	P	21 49 16.8 +0.7
MONP2	Monument Peak	40.05	101	P	P	21 49 18.2 +2.0
H1N11	WAKE ISLAND Hy	40.05	223	T	T	22 31 59.6
RSSD	Black Hills	40.11	78	eP	P	21 49 17.1 +0.5
RSSD	Black Hills	40.11	78	eP	P	21 49 16.9 +0.3
Y12C	Blythe	40.56	98	eP	P	21 49 21.3 +1.2
PV22	Blue Mesa, Par	40.74	88	eP	P	21 49 23.4 +1.6
PV18	Okechessa, Pa	40.86	89	eP	P	21 49 24.1 +1.2
N23A	Red Feather La	40.94	83	P	P	21 49 24.6 +1.1
PV13	Radium Mtn., P	40.97	89	eP	P	21 49 25.1 +1.4
USRK	Ussuriysk Ar.	41.18	283	P	P	21 49 22.8 -2.3
H11S1	WAKE ISLAND Hy	41.21	223	T	T	22 33 30.2
H11S2	WAKE ISLAND Hy	41.23	223	T	T	22 33 31.3
H11S3	WAKE ISLAND Hy	41.23	223	T	T	22 33 29.4
MAT	Matsushiro	42.32	270	P	P	21 49 34.6 0.0
MJAR	Matsushiro Arr	42.32	270	P	P	21 49 33.6 -1.0
MJAR	comp-Z,24nm,21.7s,baz=10.0,slow=33				LR	22 04 51.1
S22A	4UR Ranch, Cre	42.42	88	eP	P	21 49 38.6 +2.8
S22A	4UR Ranch, Cre	42.42	88	eP	P	21 49 38.0 +2.2
214A	Organ Pipe Nat	42.84	99	P	P	21 49 40.1 +1.2
SDCO	Great Sand Dun	43.22	86	eP	P	21 49 43.7 +1.5
SDCO	Great Sand Dun	43.22	86	eP	P	21 49 43.2 +1.0
T25A	Trinidad	44.27	86	eP	P	21 49 52.1 +1.6
T25A	Trinidad	44.27	86	eP	P	21 49 51.6 +1.0
TASM	ASL Pad, Albuq	44.53	90	P	P	21 49 53.4 +0.8
ANMO	Albuquerque	44.53	90	P	P	21 49 53.3 +0.7
TASL	Snake Pit, Alb	44.53	90	P	P	21 49 53.4 +0.8
ECDSD	EROS Data Cent	44.64	74	P	P	21 49 52.1 -1.0
BNM	Barren Site	44.97	91	eP	P	21 49 58.2 +2.0
BGNE	Belgrade	45.20	77	P	P	21 49 58.3 +0.6
J12A	Cookes Peak, D	45.41	94	P	P	21 50 01.1 +1.4
126A	Seneca 1, Swea	46.19	73	P	P	21 50 05.5 +0.1
J37A	Redenius Farm,	46.65	72	P	P	21 50 08.4 -0.6
K37A	Edmond	46.94	73	P	P	21 50 11.3 -0.1
MSTX	Muleshoe	47.40	88	P	P	21 50 15.2 0.0
N36A	Mut Farm, Cla	47.43	76	P	P	21 50 14.9 -0.3
MNTX	Cornudas Mount	47.44	93	eP	P	21 50 17.1 +1.7
MNTX	Cornudas Mount	47.44	93	eP	P	21 50 16.7 +1.3
KSR5	Korea Array	47.83	279	P	P	21 50 18.5 +0.2
KSR5	comp-Z,22nm,20.5s,baz=230,slow=36				LR	22 10 14.8
KSAR	Wonju Array Be	47.86	279	P	P	21 50 18.5 -0.1
N37A	Lee Faris, Mou	47.90	75	P	P	21 50 18.8 0.0
M39A	Webster	48.32	73	P	P	21 50 23.6 -0.6
P38A	Dawn	49.03	76	eP	P	21 50 27.3 -0.3
JNU	Nakatsue	49.05	272	P	P	21 50 27.1 -0.7
JNU	comp-Z,40nm,21.0s,baz=302,slow=35				LR	22 09 50.6
WMOK	Wichita Mounta	49.25	84	eP	P	21 50 29.9 +0.6
WMOK	Wichita Mounta	49.25	84	eP	P	21 50 29.4 +0.1
Q38A	Cookes Store, C	49.42	77	P	P	21 50 29.4 -1.2
P39B	Salisbury	49.57	76	P	P	21 50 31.2 -0.5
Q04A	La Belle	49.66	74	P	P	21 50 31.7 -0.7
Q39A	Willow Grove F	49.74	76	P	P	21 50 31.9 -1.0
R38A	Fenwick Farm,	49.77	78	P	P	21 50 31.6 -1.6
P40A	Paris	49.95	75	eP	P	21 50 34.3 -0.3
P40A	Paris	49.95	75	eP	P	21 50 33.9 -0.7
S38A	Stockton	50.15	78	P	P	21 50 34.5 -1.6
TX31	Lajitas Ar, SNR=5.8	50.16	93	eP	P	21 50 37.5 +1.1
TXAR	Lajitas Array	50.17	93	eP	P	21 50 37.4 +1.0
TXAR	comp-Z,3.2nm,18.2s,baz=0.0,slow=96				LR	22 11 43.5
ABTX	Ablene, Hawle	50.21	87	eP	P	21 50 38.0 +1.3
ABTX	Ablene, Hawle	50.21	87	eP	P	21 50 37.0 +0.3
Q01A	Passleys Farm,	50.23	74	P	P	21 50 36.2 -0.5
Q40A	Lau Farm, Aux	50.30	76	P	P	21 50 36.3 -0.8
T38A	Diamond	50.33	79	P	P	21 50 36.6 -0.8
S39A	Bolivar	50.45	78	eP	P	21 50 36.9 -1.5
S39A	Bolivar	50.45	78	eP	P	21 50 36.4 -2.0
R40A	Maddies Statio	50.66	76	eP	P	21 50 38.6 -1.3
R40A	Maddies Statio	50.66	76	eP	P	21 50 38.1 -1.8
Q41A	Truxton	50.81	75	P	P	21 50 40.4 -1.0
T39A	Cleaver	50.87	78	P	P	21 50 40.2 -1.4
S40A	Lebanon	50.99	77	P	P	21 50 41.5 -1.0
Q42A	Golden Eagle	51.24	75	P	P	21 50 44.1 -0.2
T40A	Mansfield	51.28	78	P	P	21 50 43.3 -1.4
S41A	Jilco Farms,	51.44	77	P	P	21 50 44.1 -1.7
R42A	Luebering	51.52	75	P	P	21 50 45.1 -1.3
V39A	Pettigrew	51.52	80	P	P	21 50 45.7 -0.8
U40A	Yellville	51.63	79	P	P	21 50 45.8 -1.5

baz=314,SNR=5.4						
JCT						

Table of astronomical observations for 11 days in August 2012, including station names (KHC, MAAI, SLTI, etc.), object names (AMS, MLCR, etc.), and coordinates.

Table of astronomical observations for 21 days in August 2012, including station names (NC202, AKTO, GEYT, etc.), object names (NORSAR Array, etc.), and coordinates.

Table of astronomical observations for 21 days in August 2012, including station names (ITBZ, IBST, IMRD, etc.), object names (Bostanabad, etc.), and coordinates.

ADC 11 21:56:24.9, 2.6, 38.12N, 46.38E, h0km, mb3.4/4, mb1 3.6/6, mb1mx3.3/65, mbtpr3.5/6, ML2.9/2, MS3.3/1, MS1 3.3/1, mb1mx2.3/67, Error ellipse: s-maj=45.7km s-min=15.6km az=27.0, THR 11 21:56:24.9, 2.6, 38.12N, 46.38E, h14km, gm, ML3.5, TEH 11 21:56:25.5, 38.44N, 46.68E, h11km, ML3.7, ISCJB 11 21:58:49.4, 34.41N, 7.22W, h10km, ML2.6, ISCJB 11 21:58:51.4, 0.5, 34.37N, 0.03, 6.96W, 0.05, h10km, Error ellipse: s-maj=6.0km s-min=3.6km az=170.2, MDD 11 21:58:51.4, 0.7, 34.27N, 7.13W, h0km, mb4.1/5, Error ellipse: s-maj=9.1km s-min=4.7km az=80.0, PRXIM 11 21:58:52.7, 0.7, 34.31N, 6.90W, h5km, ML1.9, Error ellipse: s-maj=4.4km s-min=2.4km az=70.0, ISC 11 21:58:52.0, 9.345SN, 0.04, 6.91W, 0.04, h10km, n45, c1944/56, Morocco

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUD, EALK, Alkuruntz.

ISCJB 11 22:00:17.4-0.5, 17.43S; 0'05:69.62W; 0'07, h157km, 5km, mb4.2/12, Error ellipse: s-maj=11.4km s-min=7.2km az=22.0

GUC 11 22:00:18.4-0.8, 17.48S; 69.60W, h145km, 7km, ML3.9 NEIC 11 22:00:18.9-0.7, 17.36S; 69.58W, h152km, 7km, mb4.0/3, Error ellipse: s-maj=9.4km s-min=8.7km az=75.0

IDC 11 22:00:19.2-1.5, 17.37S; 69.55W, h156km, 11km, mb4.0/8, mb1 4.0/11, mb1mx3.6/47, mbtmp4.4/11, Error ellipse: s-maj=19.8km s-min=19.2km az=60.0

ISC 11 22:00:17.9-0.7, 17.40S; 0'05:69.62W; 0'06, h146km, 7km, n28, r=151/35, mb4.2/12, 1C-6D, Peru-Bolivia border region

Main table for station data on the left side, including stations like PB12, PB17, LPAZ, etc.

TEH 11 22:04:31.9, 38.42N-46.69E, h4km, ML3.7, Iran-Armenia-Azerbaijan border region

Table for station data under the TEH 11 22:04:31.9 section, including stations like IHRs Heris, ITBZ Tabriz, etc.

TEH 11 22:05:52.3, 38.38N-46.80E, h17km, ML3.6, Iran-Armenia-Azerbaijan border region

Table for station data under the TEH 11 22:05:52.3 section, including stations like IHRs Heris, ITBZ Tabriz, etc.

Table for station data on the right side, including stations like ISRB, IMRD, ISHB, etc.

DJA 11 22:22:38.7-0.9, 1'S; 8'12'3"E, h16km, 11km, M3.8/3, MLV3.8/3, Minahasa Peninsula, Sulawesi

Table for station data under the DJA 11 22:22:38.7 section, including stations like LUWI, KMSI, APSI, etc.

ISN 11 22:23:56.7-1.1, 38.77N; 46.75E, h0km, 43km, ML5.0 BUI 11 22:24:01.5, 38.40N; 46.70E, h5km, mb4.9/60, mb5.0/40, Ms4.8/47, Ms7.4/647

AZER 11 22:24:01.5, 38.49N; 46.73E, h9km, ml5.6/28, Error ellipse: s-maj=2.4km s-min=0.3km az=15.0 MOS 11 22:24:01.7, 38.29N; 46.69E, h11km, mb5.2/78, Ms4.4/48, Error ellipse: s-maj=4.5km s-min=2.7km az=127.8

IDC 11 22:24:01.6, 38.33N; 46.65E, h0km, mb4.8/4, mb1 4.9/51, mb1mx4.8/76, mbtmp4.8/51, ML4.2/8, MS4.5/59, Ms1 4.5/59, ms1mx4.4/73, Error ellipse: s-maj=8.4km s-min=7.7km az=32.0

GII 11 22:24:01.1, 38.53N; 46.81E, h5km THR 11 22:24:02.8, 38.46N; 46.72E, h17km, 5km, ML4.9 NEIC 11 22:24:02.0, 38.48N; 46.76E, h4km, mb5.1/85, ML4.9(THR), MN4.8(TEH), After TEH.

NEIC Felt at Tabriz. Also felt at Tbilisi, Georgia. TEH 11 22:24:02.5, 38.43N; 46.75E, h4km, ML4.9 DSN 11 22:24:03.0, 38.34N; 46.78E, h10km, mb5.3/9, Error ellipse: s-maj=11.1km s-min=4.5km az=46.0

ISCJB 11 22:24:04.0, 38.33N; 0'01:46.64E; 0'01, h28km, 2km, mb4.9/201, MS4.3/82, Error ellipse: s-maj=2.1km s-min=1.4km az=15.7

NNC 11 22:24:05.2, 38.87N; 47.00E, h0km, mb5.9, mpv5.7, Error ellipse: s-maj=61.8km s-min=31.5km az=55.0 GCMT 11 22:24:06.0, 38.35N; 0'01:46.73E; 0'01, h27km, MW5.2/12, Moment Tensor Solution. s69,c91; s112,c200; Duration: 1s0 Moment tensor: Scale 1016 Nm; Mn:0.39e; 14; Mm:3.74e; 13; Ms:4.13e; 11; Mo:4.36e; 29; Mw:6.61e; 11; Mr:1.36e; 23; Best double couple: Ms:94700; 1016 NP:254.00000; 889.00000; 1.149.00000; NP2:345.00000; 859.00000; 1.1.00000; Principal axes: T 8.7610; P 22.0000; Azm205.0000; N 0.3768; P169.0000; Azm72.0000; P -9.1330; P1g2.0000; Azm304.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 11 22:24:02.5, 38.46N; 0'02:46.72E; 0'01, h4km, 3km, n1109, r=190/1202, mb5.0/218, MS4.5/97, 83C-64D, Iran-Armenia-Azerbaijan border region

Table for station data under the ISC 11 22:24:02.5 section, including stations like IHRs Heris, ITBZ Tabriz, etc.

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Table for station data under the ISC 11 22:24:02.5 section, including stations like IHRs Heris, ITBZ Tabriz, etc.

Table for station data on the right side, including stations like ALIB, MNGR, ZANJ, etc.

Table for station data on the right side, including stations like QAZX, AZER, GEVA, etc.

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Table for station data on the right side, including stations like QAZX, AZER, GEVA, etc.

BRG	comp=Z,1um,18.1s	26.18 309	i P	P	22 29 38.1	+0.1
BRG	Berggiesshubel				22 29 41.1	
BRG			s	S	22 34 04.0	-6.4
BRG			pmax	Pmax		
BRG	comp=Z,15nm,1.2s		MLR	MLR		
BRG	comp=N,1um,16.7s		MLR	MLR		
BRG	comp=E,713nm,20.3s		MLR	MLR		
BRG			MLR	MLR		
CLTB	comp=Z,1um,18.1s	26.33 279	eP	P	22 29 39.6	0.0
	Callabellotta					
	comp=Z,70nm,1.4s					
FIAT	FINESS Array S	26.33 338	eP	P	22 29 39.2	-0.1
FINES	FINESS Array B	26.33 338	eP	P	22 29 39.7	+0.5
	comp=Z,14nm,0.9s,baz=134,slow=11,SNR=23					
FINES			LR	LR	22 41 09.9	
ABTA	Abfaltersbach	26.34 299	eP	P	22 29 40.1	+0.5
	comp=Z,34nm,1.0s,SNR=12					
SEM	Semipalatinsk	26.52 52	eP	P	22 29 43.1	+1.7
	comp=Z,6.5nm,0.9s					
CLL	Colim	26.86 310	eP	P	22 29 44.5	+0.2
	comp=Z,58nm,1.1s					
CLL	Colim	26.86 310	iP	P	22 29 44.4	+0.2
	comp=Z,61nm,1.0s					
CLL			e(S)	sP	22 29 48.0	+2.3
CLL			eP	Pn	22 30 21.0	-4.6
CLL			e	S	22 31 48.0	
CLL			eS	S	22 34 20.0	-1.2
CLL	comp=N,200nm,20.6s		eS	S	22 34 20.0	-1.2
CLL	comp=E,500nm,21.1s		eS	S	22 34 20.0	-1.2
CLL	comp=Z,500nm,23.5s		eSSS	SSS	22 35 42.0	
CLL			e	Lm	22 36 12.0	
CLL			e	Lm	22 41 00.0	
CLL	comp=Z,700nm,20.4s	26.86 310	iP	P	22 29 44.4	+0.2
CLL			e	S	22 29 48.0	
CLL			e	S	22 34 20.0	-1.2
CLL	comp=Z,61nm,1.0s		MLR	MLR		
NKC	comp=Z,700nm,20.4s	26.95 307	eP	P	22 29 45.1	+0.1
NKC	Novy Kostel	26.95 307	eP	P	22 29 45.1	+0.1
WTTA	Wattenberg	26.99 300	eP	P	22 29 45.9	+0.3
	comp=Z,67nm,1.1s,SNR=18					
DDI	Dehra Dun	27.01 98	eP	P	22 29 44.9	-0.8
WATA	Walderalm	27.04 301	eP	P	22 29 45.5	-0.5
	comp=Z,65nm,1.1s,SNR=36					
ATD	Arta Tunnel	27.04 188	LR	LR	22 40 02.7	
MAKZ	Makanchi	27.06 61	eP	P	22 29 47.7	+1.6
	comp=Z,55nm,1.1s					
MAKZ	Makanchi	27.06 61	eP	P	22 29 47.7	+1.6
	comp=Z,55nm,1.1s					
BSD	Bornholm Skovb	27.09 318	iP	P	22 29 44.7	-1.4
	comp=Z,49nm,1.1s					
BSD	Bornholm Skovb	27.09 318	iP	P	22 29 44.7	-1.4
	comp=Z,49nm,1.1s					
MK31	Makanchi Array	27.28 61	eP	P	22 29 49.3	+1.3
MK31	Makanchi Array	27.28 61	iP	P	22 29 52.8	+4.8
MK31			pmax	Pmax		
MKAR	Makanchi Array	27.28 61	eP	P	22 29 49.6	+1.6
	comp=Z,7.0nm,0.9s,baz=281,slow=7.3,SNR=22					
MKAR			LR	LR	22 42 46.8	
MKAR	Makanchi Array	27.28 61	eP	P	22 29 49.6	+1.6
	comp=Z,817nm,18.0s,baz=252,slow=41					
MKAR	Makanchi Array	27.28 61	eP	P	22 29 49.6	+1.6
	comp=Z,65nm,0.9s					
MKAR	Makanchi Array	27.28 61	eP	P	22 29 49.7	+1.7
	comp=Z,205nm,0.9s					
MK01	Makanchi Array	27.28 61	eP	P	22 29 49.0	+1.0
MOTA	Mosonmagyaróvár	27.36 300	eP	P	22 29 48.1	-0.7
	comp=Z,60nm,1.2s,SNR=46					
FETA	Feichten	27.58 300	eP	P	22 29 50.7	-0.2
	comp=Z,53nm,1.1s,SNR=34					
RETA	Reutte	27.60 301	eP	P	22 29 50.4	-0.5
	comp=Z,24nm,0.8s,SNR=14					
GRFO	Grabenberg	27.61 306	eP	P	22 29 51.8	+0.8
	comp=Z,33nm,1.1s					
GRFO	Grabenberg	27.61 306	eP	P	22 29 51.8	+0.8
	comp=Z,33nm,1.1s					
RGN	Rugen	27.71 316	eP	P	22 29 52.9	+1.2
	comp=Z,66nm,1.0s					
VLC	Villacoledand	27.72 294	eP	P	22 29 51.9	-0.1
	comp=Z,37nm,1.2s					
FUORN	Ofenpass-Fuorn	27.87 299	eP	P	22 29 54.1	+0.5
	comp=Z,29nm,0.9s					
DAVOX	Davos/Dischmat	28.15 299	eP	P	22 29 55.8	-0.2
	comp=Z,16nm,0.7s,baz=107,slow=7.3,SNR=28					
DAVOX			LR	LR	22 42 55.7	
DAVA	Damuels	28.18 300	eP	P	22 29 55.8	-0.5
	comp=Z,53nm,0.8s,SNR=24					
TUE	Tuetzia	28.20 298	eP	P	22 29 59.1	0.0
	comp=Z,22nm,1.0s					
COP	Copenhagen	28.62 318	iP	P	22 30 00.1	+0.3
	comp=Z,28nm,1.0s					
COP	Copenhagen	28.62 318	iP	P	22 30 00.1	+0.3
	comp=Z,28nm,1.0s					
STU	Stuttgart	28.79 303	eP	P	22 30 00.8	-0.6
	comp=Z,24nm,0.9s					
STU	Stuttgart	28.79 303	eP	P	22 30 00.8	-0.6
	comp=Z,24nm,0.9s					
ZSN	Zaisan	28.80 60	eP	P	22 30 06.0	+2.0
	comp=Z,0.6nm,1.2s					
ZSN			LR	LR	22 43 14.4	
BFO	Black Forest	29.32 302	eP	P	22 30 07.8	+1.6
	comp=Z,48nm,10.5s					
BFO	Black Forest	29.32 302	eP	P	22 30 07.8	+1.6
	comp=Z,28nm,1.4s					
NVS	Novosibirsk	29.51 44	iP	P	22 30 10.0	+2.2
	comp=Z,28nm,1.4s					
NVS			i	P	22 30 59.4	
NVS			pmax	Pmax		
NVS	comp=Z,29nm,1.0s		pmax	Pmax		
NVS	comp=N,11nm,1.2s		pmax	Pmax		
TAMR	Tamra	29.64 279	eP	P	22 30 09.4	+0.3
	comp=E,10.0nm,0.9s					
KEST	Kesra	29.80 276	eP	P	22 30 09.6	-1.1
	comp=Z,22nm,0.9s					
KEST			LR	LR	22 44 53.6	
KEST	Kesra	29.80 276	eP	P	22 30 11.2	+0.5
	comp=E,778nm,18.9s,baz=14,slow=42					
SENI	Lac Sené	29.91 298	eP	P	22 30 11.1	-0.5
	comp=E,19nm,1.0s					
HFS	Hagfors	30.04 327	eP	P	22 30 12.1	-0.3
	comp=E,17nm,0.9s,baz=116,slow=6.9,SNR=24					
HFS			LR	LR	22 42 55.6	
ECH	Echery	30.09 302	eP	P	22 30 12.4	-0.6
	comp=E,26nm,1.3s					
ECH	Echery	30.09 302	eP	P	22 30 12.4	-0.6
	comp=Z,26nm,1.3s					
APA	Apapity	30.10 350	iP	P	22 30 12.8	0.0
	comp=Z,26nm,1.1s					
ZAAO	Zalesovo Array	30.14 47	eP	P	22 30 14.4	+1.0
	comp=Z,29nm,1.0s					
ZALV	Zalesovo Beam	30.14 47	eP	P	22 30 14.2	+0.9
	comp=Z,15nm,1.0s,baz=270,slow=10,SNR=23					
ZALV			LR	LR	22 44 35.2	
ZALV	Zalesovo Beam	30.14 47	eP	P	22 30 13.8	+0.5
	comp=Z,810nm,18.4s,baz=251,slow=41					
BHPL	Bhopal	30.24 111	eP	P	22 30 13.2	-1.4
LPL	La Plagne	30.20 296	eP	P	22 30 14.1	-1.0
	comp=Z,25nm,1.0s					
BNI	Bardonecchia	30.35 296	eP	P	22 30 15.1	-0.4

BNI	Bardonecchia	30.35 296	eP	P	22 30 15.1	-0.4
BNI			pmax	Pmax		
THTN	Thala	30.37 276	eP	P	22 30 17.7	+2.0
	comp=Z,31nm,1.5s					
MUD	Monsted U'grnd	30.60 318	iP	P	22 30 18.0	+0.7
	comp=Z,49nm,1.3s					
MUD	Monsted U'grnd	30.60 318	iP	P	22 30 18.0	+0.7
	comp=Z,49nm,1.3s					
WTSB	Winterswijk	30.78 309	eP	P	22 30 20.1	+1.1
	comp=Z,64nm,1.1s					
POO	Poona	30.84 122	eP	P	22 30 19.6	-0.3
WLF	Walferdange	30.87 305	iP	P	22 30 20.2	+0.4
	comp=Z,5nm,1.3s					
WLF	Walferdange	30.87 305	eP	P	22 30 20.1	+0.2
	comp=Z,29nm,1.3s					
WLF	Walferdange	30.87 305	eP	P	22 30 20.1	+0.2
	comp=Z,29nm,1.3s					
DGZ	Jazzart, Alta	30.97 55	iP	P	22 30 22.5	+1.6
	comp=Z,29nm,1.3s					
MEZ	Membach	31.07 306	iP	P	22 30 23.1	+1.6
	comp=Z,8.0nm,0.9s					
WMQ	Urumqi	31.09 67	P	P	22 30 23.8	+1.9
	comp=Z,5nm,1.3s					
WMQ			pP	pP	22 30 27.3	+3.8
WMQ			sP	sP	22 30 29.7	+6.7
WMQ			pPn	pPn	22 31 20.9	-2.0
WMQ			S	S	22 35 35.9	+8.1
WMQ			pmax	Pmax		
WMQ	comp=Z,40nm,0.9s		pmax	Pmax		
WMQ	comp=Z,390nm,6.7s		LR	LR		
WMQ	comp=Z,1um,20.7s		LR	LR		
WMQ	comp=Z,770nm,22.1s		LR	LR		
WMQ	comp=Z,910nm,23.7s		LR	LR		
HGN	Heimangroewe	31.14 307	eP	P	22 30 23.0	+0.8
	comp=Z,76nm,1.2s					
HGN			eS	S	22 35 35.0	+6.7
HGN			eL	L	22 44 07.8	
NC602	NORSAR Array S	31.27 327	eP	P	22 30 22.3	-0.9
NC603	NORSAR Array S	31.28 327	eP	P	22 30 22.1	-1.2
NC601	NORSAR Array S	31.29 327	eP	P	22 30 21.8	-1.5
EBEN	Eben Emael	31.30 307	iP	P	22 30 25.2	+1.6
NC600	NORSAR Array S	31.31 327	eP	P	22 30 22.9	-0.7
NC604	NORSAR Array S	31.32 327	eP	P	22 30 23.2	-0.5
NC401	NORSAR Array S	31.33 328	eP	P	22 30 23.3	-0.5
NC402	NORSAR Array S	31.33 328	eP	P	22 30 23.3	-0.5
NC400	NORSAR Array S	31.36 328	eP	P	22 30 22.9	-1.1
NC403	NORSAR Array S	31.37 328	eP	P	22 30 23.6	-0.5
NC405	NORSAR Array S	31.38 328	eP	P	22 30 23.7	-0.5
NC404	NORSAR Array S	31.40 328	eP	P	22 30 23.7	-0.7
BCLA	Clavier	31.49 306	iP	P	22 30 26.6	+1.3
NB202	NORSAR Array S	31.51 327	eP	P	22 30 24.7	-0.7
NB201	NORSAR Array S	31.53 327	eP	P	22 30 25.3	-0.3
NC302	NORSAR Array S	31.54 328	eP	P	22 30 25.1	-0.5
NB2	NORSAR Subarra	31.55 327	P	P	22 30 24.4	-1.4
	comp=Z,20nm,1.1s,baz=122,slow=9.3					
NB200	NORSAR Array S	31.55 327	eP	P	22 30 25.2	-0.6
NOA	NORSAR Array S	31.55 327	eP	P	22 30 24.6	-1.2
	comp=Z,7.1nm,1.0s,baz=130,slow=7.6,SNR=21					
NOA			LR	LR	22 44 02.2	
NC301	NORSAR Array S	31.56 328	eP	P	22 30 25.2	-0.6
NB203	NORSAR Array S	31.56 327	eP	P	22 30 25.2	-0.7
NA002	NORSAR Array S	31.57 327	eP	P	22 30 25.4	-0.5
NB205	NORSAR Array S	31.58 327	eP	P	22 30 25.7	-0.3
NC300	NORSAR Array S	31.58 328	eP	P	22 30 25.4	-0.5
NC303	NORSAR Array S	31.58 328	eP	P	22 30 25.4	-0.5
NB204	NORSAR Array S	31.58 327	eP	P	22 30 25.4	-0.7
NA001	NORSAR Array S	31.60 327	eP	P	22 30 26.0	-0.7
NC305	NORSAR Array S	31.60 328	eP	P	2	

Table with columns for station name, frequency, power, and other technical details. Includes stations like KOLN, SFK, SFK, PYUN, HNR, KK31, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIV, KIV, KIV, KIV, KIV, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KHC, KHC, KHC, KHC, KHC, etc.

VIE 11 23:56:35.4 0.7 49:39N: 18:59E, hOkm, mb2.6/12, mD 9/11, ms3 3/2, sMaj=6.6km, s-min=5.0km az=59.0 27 km ENE of Ostrava Suspected Mining

Table of astronomical observations for 12d Oh, including station names, coordinates, and observation times. Includes sub-sections for 'Included' and 'AZER 12 00:20:20.70.1.38.38N.46.67E, h9km, m13.4/26, Error'.

Main table of astronomical observations for 2012 AUG, listing station names, coordinates, and observation times. Includes sub-sections for 'WERN Wernitzgruen', 'THR 11 23:58:12.6.0.3.38.45N.46.68E, h6km,9km, ML3.5', and 'AZER 12 00:15:18.2.0.1.38.33N.46.71E, h2km, m13.2/25, Error'.

Table of astronomical observations for Iran-Armenia-Azerbaijan border region, listing station names, coordinates, and observation times. Includes sub-sections for 'n39., r172/66, 24C-22D, Iran-Armenia-Azerbaijan border region' and 'AZER 12 00:20:20.70.1.38.38N.46.67E, h9km, m13.4/26, Error'.

12d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MUX Muleshoe, WMOK Wichita Mounta, T25A Trinidad, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, UZR Urewera, PPT Papeete, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACX Acapulco, CAIG El Cayaco, MEIG Mezcala, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ITBZ Tabriz, ORD Ordubad, ORD Sarab, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LRK Lerik, NAX Nakhchivan, SBZ Shahbuz, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IHR Heris, ITBZ Tabriz, IHR Heris, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HYR Heyderabad, ZRD Zardab, ZNJK Zanjan, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IHR Heris, ITBZ Tabriz, IHR Heris, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IHR Heris, ITBZ Tabriz, IHR Heris, etc.

ISCJB 12 01:14:32.0:0.5,39;07N:0:03:26:80E:0.04,h10km,4km, Error ellipse: s-maj=5.3km s-min=5.1km az=17.8

DDA 12 01:14:34.3, 39°21'N, 26°85'E, h7km, ML2.6
ISC 12 01:14:31.7, 1.1, 39°11'N, 03°26.83'E, 0.04, h14km, 5km,
n12, c0543/18, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res. Rows include stations like DKL Dikili, AYVA Ayvalik, BAYC CANAKKALE, etc.

KRSC 12 01:15:40.6, 0.8, 49°31'N, 156°95'E, h19km, 17km, ML3.7,
Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res. Rows include stations like SKR Suvoro-Kuril's, PAU Pavuzhetka, etc.

BEQ 12 01:21:29.4, 0.7, 41°36'N, 15°83'E, h0km, ML4.2/10
ROM 12 01:21:36.8, 0.2, 41°72'N, 0°10', 16°25'E, 0.01,
h29km, 1km, ML4.2/93

NEIC 12 01:21:36.0, 0.0, 41°77'N, 16°27'E, h8km, ML4.1 (ROM),
After ROM.

NEIC Felt at Santeramo in Colle.
LDG 12 01:21:36.9, 0.1, 41°68'N, 16°15'E, h20km, ML4.1/21, Error
ellipse: s-maj=3.4km s-min=2.1km az=53.0

PDG 12 01:21:37.1, 0.7, 41°70'N, 16°20'E, h29km, 1km, MD3.9/1,
ML3.8/10, Error ellipse: s-maj=0.5km s-min=0.6km az=0.0

PRU 12 01:21:37.8, 0.0, 41°39'N, 16°07'E, h1km,
ML2.1/1, 1.1, 39°11'N, 03°26.83'E, 0.04, h14km, 5km,
n12, c0543/18, Turkey

IDC 12 01:21:37.3, 0.8, 41°77'N, 0°03', 16°14'E, 0.02, h34km, 2km,
n1097, c2529/450, mb3.4/5, 21C-17D, Southern Italy

Main table for the left column containing station data for various stations like MSAG, MRVN, MELA, PALZ, MOCO, etc.

Main table for the middle column containing station data for various stations like MOCO, SGTA, AMUR, GATE, ACER, CAFE, etc.

Main table for the right column containing station data for various stations like MRB1, MRB2, MRB3, FRES, MRLC, PSB1, etc.

AZER 12 01:46:37.0,0.1,38.746N,46.72E,h10km,m3.1/16,Error ellipse: s-maj=3.5km s-min=1.1km az=17.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like Heris, Tabriz, Ordubad, Shabestar, etc.

IDC 12 02:18:51.3,1.5,19.56N,109.33W,h0km,m3.3/76, mb1 4.0/10, mb1mx3.8/57, mbtmp3.7/10, ML3.2/3, MS3.4/16, s-min=22.4km az=63.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like H06N1, H06S1, SLBS, etc.

Table with columns: PV01, PV02, PV18, etc. Lists stations like Paradox Valley, Skein Mesa, David Mesa, etc.

AZER 12 02:24:39.9,1.5,38.37N,46.69E,h6km,m3.9/26,Error ellipse: s-maj=2.7km s-min=0.9km az=15.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like Heris, Tabriz, Ordubad, etc.

Table with columns: SAAT, HYZ, HYZR, ZRD, etc. Lists stations like Heyderabad, Zardab, Hakkari, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like GLBA, ASTR, BRDA, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like IFIR, NCK, NCK, NEV, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like MK01, DAVOX, HFS, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Tucson, Wupatki, Mesa Verde, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EGAK Eagle, DAV Davao City, CAST Castle Rocks, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, MKAR Makanchi Array, AZER AZER 12 07:51:10, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VMUR Van-Muradiye, VMUR Gevas, GEVA Caldiran, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEX 12 07:32:37, PINIG Pinotepa, TLIG Tiapa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ORD Ordubad, IRHS Heris, IBTZ Tabriz, etc.

NEIC 12 08:34:38.3±0.0, 18.34N±101.30W, h50km, MD4.0(MEX), After MEX.

MEX 12 08:34:38.3±0.0, 18.34N±101.30W, h50km±20km, MD4.0, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZIIG Zihuatanejo, ARIG Puento Sto Nin, ARIG Puento Sto Nin, etc.

IDC 12 07:33:07.8±0.0, 56.46N±152.93W, h0km, mb3.8/1.5, mb1 3.9/1.6, mb1mx3.7/7.7, mbtmp3.8/1.6, ML3.4/1, MS3.0/2, Ms1 3.1/2, ms1mx2.5/7.3, Error ellipse: s-maj=22.7km s-min=13.7km az=33.0

ISCJBJ 12 07:33:08.0±0.0, 56.39N±152.64W±0.06, h22km, mb3.8/1.5, Error ellipse: s-maj=5.8km s-min=4.3km az=152.5

NEIC 12 07:33:11.7±0.0, 56.46N±152.84W, h10km, ML3.3(AEIC), After AEIC.

ISC 12 07:33:11.1±0.0, 56.46N±152.81W±0.05, h22km, n71, ±1504/70, mb3.8/1.5, Kodiak Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SII Sitkinak Islan, OHAK Old Harbor, KDIAK Kodiak Island, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LRLK Lerik, SHBZ Shahbuz, GLBA Gilbad, etc.

ISK 12 08:45:43.8, 37.24N±28.23E, h12km, ML2.4/3, ISCJBJ 12 08:45:44.0±0.0, 37.23N±28.22E±0.04, h0km, Error ellipse: s-maj=6.0km s-min=3.8km az=41.5

DDA 12 08:45:44.8, 37.24N±28.24E, h7km, ML2.6, Suspected Wining explosion.

ISC 12 08:45:44.7±0.0, 37.23N±28.22E±0.03, h0km, n18, ±855/22, Turkey

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

IDC 12 09:04:09.3±0.0, 9.193S±168.90E, h0km, mb4.4/1.3, mb1 4.5/1.5, mb1mx4.3/4.4, mbtmp4.4/1.5, ML4.5/2, MS3.4/8, Ms1 3.4/8, ms1mx3.0/4.1, Error ellipse: s-maj=29.9km s-min=19.2km az=143.0

ISCJBJ 12 09:04:13.0±0.0, 9.193S±168.71E±0.08, h35km, mb4.5/4.4, MS3.5/7.7, Error ellipse: s-maj=11.8km s-min=6.6km az=34.8

NEIC 12 09:04:16.9±1.5, 19.05S±168.79E, h45km, 12km, mb4.6/2.8, Error ellipse: s-maj=11.9km s-min=8.4km az=111.0

ISC 12 09:04:15.0±0.0, 19.05S±167.75E±0.10, h35km, n112, ±130/106, mb4.5/3.4, MS3.5/7.3, ±3C-1D, Vanuatu Islands

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

MEX 12 08:12:06.5±0.0, 16.05N±98.53W, h16km±560km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINIG Pinotepa, TLIG Tiapa, CAIG El Cayaco, etc.

MEX 12 08:14:18.6±0.0, 16.35N±98.20W, h14km±2km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PINIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa, etc.

ISK 12 08:32:01.8, 38.71N±43.44E, h7km, ML3.0/5, ISCJBJ 12 08:32:02.9±0.6, 38.68N±43.53E±0.05, h13km±4km, Error ellipse: s-maj=3.2km s-min=4.1km az=42.5

DDA 12 08:32:02.2, 38.69N±43.48E, h7km, ML3.2, ISC 12 08:32:02.8±0.9, 38.73N±43.46E±0.04, h14km±7km, n24, ±1504/31, Turkey

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ILAR ILAR, ILB Eileison Array, IMOI Indian Mountain, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like WMQ Urumqi, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov, etc.

ISCJB 12 09:32:43.1-0.7, 2.70N, 0.09, 127.0E, 0.1, h50km, mb3.9/4, MS3.7/1, Error ellipse: s-maj=23.2km s-min=6.9km az=148.5

IDC 12 09:32:49.1-4.4, 2.69N, 127.26E, h89km, 4.4km, mb3.6/5, mb1 3.7/6, mb1mx3.2/57, mbtmp4.0/6, MS3.1/2, Ms1 3.1/2, ms1mx2.4/49, Error ellipse: s-maj=38.9km s-min=20.2km az=82.0

ISC 12 09:32:45.2-0.9, 2.7N, 0.1, 127.0E, 0.2, h50km, n9, r104/10, mb4.0/4, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DDMP Don Marcelino, SIJU Sorong, etc.

MAN 12 09:35:28.1, 7.43N, 124.06E, h27km, mb3.8, ML2.6, MS2.1, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CTBH Cotabato-PC H, PAGZ Pagadian, etc.

ISCJB 12 09:53:27.8-0.7, 4.317N, 0.04, 79.77E, 0.04, h4km, 4km, Error ellipse: s-maj=7.8km s-min=4.2km az=153.6

KRNET 12 09:53:27.3-0.1, 4.314N, 79.75E, h21km, mb3.0

SOME 12 09:53:28.2, 4.328N, 79.62E, h10km

NNC 12 09:53:28.2-3.9, 4.357N, 79.63E, h0km, mb2.9, mpv2.4, Error ellipse: s-maj=40.4km s-min=18.8km az=97.0

ISC 12 09:53:24.3-1.4, 4.315N, 0.05, 79.82E, 0.03, h8km, 11km, n31, r1923/60, 16C-3D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SHLS Shalkode, PDGK Podgornoye, etc.

Main table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KTMS Ketmen, KTMS Ketmen, KTMS Ketmen, etc.

AZER 12 09:55:40.6-0.1, 38.44N, 46.83E, h10km, 2km, ml3.3/16, Error ellipse: s-maj=8.7km s-min=1.3km az=15.0

TEH 12 09:55:42.4, 38.46N, 46.85E, h0km, ML3.1

ISC 12 09:55:42.7-1.1, 38.43N, 0.03, 46.81E, 0.02, h8km, 10km, n27, r144/44, 12C-15D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, ITBZ Tabriz, IBST Bostanabad, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ZRD Heyderabad, HZR Heyderabad, HZR Heyderabad, etc.

NIED 12 09:56:00.37, 10N, 140.60E, h5km, Mw3.9 Best double couple: M6.75000x1014 NP1:sp316.00000, 834.00000, lambda=85.00000, NP2:sp130.00000, 857.00000, lambda=93.00000

ISCJB 12 09:56:27.6-0.4, 37.08N, 0.03, 140.61E, 0.04, h17km, 3km, mb3.8/13, Error ellipse: s-maj=5.4km s-min=4.3km az=32.1

JMA 12 09:56:27.8, 37.08N, 140.55E, h4km, 1km, M3.8 Broadband fault plane solution: P waves: NP1: sp312.00000, 847.00000, lambda=96.00000, NP2: sp141.00000, 843.00000, lambda=84.00000, Principal axes: T P1g2.0000, Azm46.0000, N P1g4.0000, Azm316.0000, P P1g5.0000, Azm164.0000

JMA Felt IV J1, IDC 12 09:56:32.5-1.8, 37.06N, 140.57E, h45km, 19km, mb3.6/13, mb1 3.8/15, mb1mx3.6/73, mbtmp3.9/15, ML3.7/2, MS2.7/1, Ms1 2.7/1, ms1mx2.3/58 Error ellipse: s-maj=15.4km s-min=12.2km az=42.0

ISC 12 09:56:27.4-0.9, 37.09N, 0.03, 140.50E, 0.03, h6km, 6km, n36, r0713/7, mb3.8/13, 7C, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JFDD Fukushimafurud, ONAJ Iwakimizuishi, ONAJ Kawauchi, etc.

IDC 12 09:58:29.1-1.0, 2.29N, 142.07E, h0km, mb4.0/13, mb1 4.1/15, mb1mx3.9/69, mbtmp4.0/15, ML3.5/3, MS3.4/6, Ms1 3.4/6, ms1mx3.0/57, Error ellipse: s-maj=24.7km s-min=21.7km az=42.0

ISCJB 12 09:58:32.0-0.4, 2.27N, 0.04, 141.97E, 0.08, h30km, mb4.0/27, MS3.3/3, Error ellipse: s-maj=10.6km s-min=4.9km az=164.9

BUI 12 09:58:32.3, 2.29N, 141.54E, h35km, mb4.3/5, mb4.8/2

NEIC 12 09:58:34.3, 1.6, 2.29N, 142.00E, h35km, 11km, mb4.5/16, Error ellipse: s-maj=7.4km s-min=6.3km az=90.0

ISC 12 09:58:33.4-0.6, 2.29N, 0.06, 142.01E, 0.10, h30km, n59, r0584/55, mb4.4/27, MS3.2/3, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CBJJ Chichi jima, CBJJ Chichi jima, CBJJ Chichi jima, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ Mudanjiang, MDJ comp=Z,170nm,1.3s, MDJ comp=Z,78nm,1.3s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKBB comp=Z,39um,20.0s, AKBB Malin Array Si, KIEV comp=Z,430nm,1.2s, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PLOR comp=Z,45um,19.0s, MASII Plostra, ISAL comp=Z,241nm,1.3s, etc.

Table with columns for station name, frequency, and various signal quality metrics (e.g., SNR, SNR=18, SNR=19.5). Includes stations like MPAL, MTE, PVIS, SFS, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like PFVI, MANU, MLY, AVE, SFJD, BPAW, CAST, etc.

Table with columns for station name, frequency, and various signal quality metrics. Includes stations like PAX, SML, SML, SML, SDPT, RC01, NRS, NRS, NRS, etc.

FORT	Forrest	78.72 141 eP	P	10 59 09.3 +0.1
KOWA	Kowa	78.95 280 LR	LR	11 38 47.3
KOWA	Kowa	78.95 280 eP	P	10 59 09.5 -1.5
YK2	Yakutat	78.95 20 PFAKE	LR	10 59 20.0 +1.0
WHY	Whitehorse	79.25 18 eP	P	10 59 11.1 -0.9
WHY			LR	
SKAG	Skagway	80.18 19 eP	P	10 59 17.3 +0.4
SKAG			LR	
LBTB	Loblatse	80.85 230 eP	P	10 59 19.2 -1.8
LBTB	Loblatse	80.85 230 eP	P	10 59 20.2 -0.9
BART	Pico Bartolome	80.93 310 eP	P	10 59 23.2 +1.7
BESE	Bessie Mountai	81.06 19 eP	P	10 59 21.4 -0.4
BESE			LR	
YK3	Yellowknife Ar	81.15 8 eP	P	10 59 20.6 -1.5
YK3			LR	
CMLA	Cha da Macela	81.16 310 iS	S	11 09 34.9 +2.7
CMLA	Cha da Macela	81.16 310 PFAKE	SS	11 14 42.1 -4.3
CMLA			LR	10 59 30.0 +7.4
YKA	Yellowknife Ar	81.22 8 P	P	10 59 20.8 -1.7
YKA			PP	11 02 27.8 +0.8
YKA			PKKpbc	11 17 56.6 -1.4
YKA			LR	11 40 08.3
YKA	Yellowknife Ar	81.22 8 iP	P	10 59 20.7 -1.7
YKA			PP	10 59 24.9 +1.8
PSET	Sete Cidades	81.24 310 eS	S	11 09 34.5 +1.4
PSET	Sete Cidades	81.24 310 iSS	SS	11 14 47.2 -0.5
PSMN	Pico do Norte	81.34 309 eP	P	10 59 22.9 -0.7
PSMN	Pico do Norte	81.34 309 iS	S	11 09 42.1 +8.0
PSMN	Pico do Norte	81.34 309 iSS	SS	11 14 58.6 +9.5
PSMA	Santa Maria	81.39 310 eP	P	10 59 24.6 +0.8
JIS	Juneau Island	81.45 19 eP	P	10 59 23.6 -0.1
JIS			LR	
PSCM	Serra do Cume	81.55 312 eP	P	10 59 22.3 -2.4
PGRA	Graciosa	81.86 313 eP	P	10 59 29.1 +2.8
PGRA	Graciosa	81.86 313 iS	SS	11 09 47.1 +7.7
PGRA	Graciosa	81.86 313 iSS	SS	11 14 57.4 +0.7
CTA	Charters Tower	81.90 122 P	P	10 59 27.0 +0.3
CTA	Charters Tower	81.90 122 eP	P	10 59 26.6 -0.1
CTA	Charters Tower	81.90 122 eP	P	10 59 26.6 -0.1
CTA	Charters Tower	81.90 122 eP	P	10 59 26.6 -0.1
PMAN	Manadas	82.18 312 eP	P	10 59 29.2 +1.2
TSUM	Tsumeb	82.18 240 LR	LR	11 40 16.6
TSUM	Tsumeb	82.18 240 eP	P	10 59 27.3 -1.0
ROSA	Rosais	82.22 312 eP	P	10 59 30.6 +2.4
ROSA	Rosais	82.22 312 iS	S	11 09 48.1 +5.0
ROSA	Rosais	82.22 312 iSS	SS	11 15 02.8 +0.8
ROSA	Rosais	82.22 312 PFAKE	LR	10 59 40.0 -1.2
SIT	Sitka	82.26 20 eP	P	10 59 28.0 0.0
SIT	Sitka	82.26 20 eP	P	10 59 28.0 +0.7
DLBC	Dease Lake	82.39 17 P	P	10 59 28.6 -0.1
PCAN	Candelaria	82.53 312 eP	P	10 59 32.6 +2.8
PCED	Cedros	82.55 313 eP	P	10 59 32.9 +3.0
H7S1	FLORES T-PHASE	83.54 314 eP	P	10 59 33.7 -1.4
WRAK	Wrangell Islan	83.61 19 eP	P	10 59 35.4 +0.4
WRAK			LR	
BOSA	Boshof	83.65 228 P	P	10 59 34.2 -1.5
BOSA	Boshof	83.65 228 eP	P	10 59 33.8 -1.9
BOSA	Boshof	83.65 228 eP	P	10 59 34.4 -1.3
DBIC	Dimbokro	84.05 274 P	P	10 59 37.2 -0.8
DBIC	Dimbokro	84.05 274 eP	P	10 59 36.3 -1.6
DBIC	Dimbokro	84.05 274 eP	P	10 59 37.4 -0.6
KIC	Kosan Boka	84.13 274 ePKP2	P	10 59 36.7 -1.7
TIC	Toumodi	84.20 274 ePKP2	P	10 59 36.6 -2.2
CRAG	Craig	84.25 19 eP	P	10 59 37.6 -0.6
CRAG			LR	
LIC	Lamto	84.44 274 ePKP2	P	10 59 37.8 -2.2
BBOO	Bucktebo	84.56 137 eP	P	10 59 39.4 -0.7
PAF	Port-aux-Franc	85.34 188 eP	P	10 59 43.3 -0.2
PAF	Port-aux-Franc	85.34 188 eP	P	10 59 43.3 -0.2
PAF	Port-aux-Franc	85.34 188 eP	P	10 59 43.3 -0.2
HNR	Honiara	85.37 105 eP	P	10 59 47.0 +2.4
HNR	Honiara	85.37 105 P	P	10 59 44.0 -0.5
HNR	Honiara	85.37 105 eP	P	11 37 15.1
HNR	Honiara	85.37 105 eP	P	10 59 44.1 -0.5
HNR	Honiara	85.37 105 eP	P	10 59 47.8 +3.2
SCHO	Schefferville	86.11 343 P	P	10 59 46.2 -1.5
SCHO	Schefferville	86.11 343 eP	P	11 43 02.7
SCHO	Schefferville	86.11 343 eP	P	10 59 46.2 -1.5
CRZF	Crozet Islands	86.25 201 PFAKE	LR	11 00 00.0 +1.2
CRZF			LR	
BBB	Bella Bella	88.52 18 eP	P	10 59 58.8 -0.5
BBB			LR	

EIDS	Eidsvold	88.72 123 eP	P	11 00 00.4 -0.2
TARA	Tarawa	89.53 89 PFAKE	LR	11 00 20.0 +1.5
FFC	Flin Flon	89.90 3 eP	P	11 00 04.0 -1.8
FFC	Flin Flon	89.90 3 eP	P	11 00 04.0 -1.8
FFC	Flin Flon	89.90 3 eP	P	11 00 04.0 -1.8
FFC	Flin Flon	89.90 3 eP	P	11 00 04.0 -1.8
ARMA	Armidale	92.36 126 eP	P	11 00 18.1 +0.5
BATG	Bathurst New B	92.77 339 eP	P	11 00 18.4 -0.8
PGC	Sidney	92.93 17 eP	P	11 00 19.0 -0.9
A04D	Lummi Island	93.04 16 eP	P	11 00 19.9 -0.5
B06A	Marblemont	93.50 16 eP	P	11 00 21.5 -1.1
B06A			LR	
B05A	Bryant	93.61 16 P	P	11 00 22.7 -0.3
PQI	Presque Isle	93.88 340 eP	P	11 00 22.9 -1.5
CAN	Canberra	93.90 131 eP	P	11 00 24.1 -0.4
CAN	Canberra	93.90 131 eP	P	11 00 24.1 -0.4
CAN	Canberra	93.90 131 eP	P	11 00 24.1 -0.4
CAN	Canberra	93.90 131 eP	P	11 00 24.1 -0.4
NLWA	Neilton Lockun	94.00 18 eP	P	11 00 24.6 -0.3
NLWA			LR	
D03D	Eldon	94.06 17 eP	P	11 00 25.6 +0.5
B08A	Colville Reser	94.11 14 eP	P	11 00 24.5 -1.0
B08A			LR	
WALA	Waterton Lakes	94.40 11 eP	P	11 00 25.4 -1.5
WALA			LR	
WALA	Lac du Bonnet	94.46 359 P	P	11 00 24.4 -2.6
ULM			PP	11 04 09.6 -3.7
ULM			PP	11 04 28.3 0.3
ULM	Lac du Bonnet	94.46 359 eP	P	11 00 24.5 -2.4
ULM			PP	11 04 09.6 -3.7
ULM	Lac du Bonnet	94.46 359 eP	P	11 00 24.5 -2.4
ULM			PP	11 04 09.6 -3.7
D04D	Lakeby	94.47 17 P	P	11 00 27.2 +0.2
NEW	Newport	94.63 13 eP	P	11 00 27.2 -0.6
NEW	Newport	94.63 13 eP	P	11 00 27.2 -0.6
NEW	Newport	94.63 13 eP	P	11 00 27.2 -0.6
NEW	Newport	94.63 13 eP	P	11 00 27.2 -0.6
NEW	Newport	94.63 13 eP	P	11 00 27.2 -0.6
D05A	Enumclaw	94.64 17 eP	P	11 00 27.9 +0.1
D05A			LR	
VLQD	Val d'Or	94.71 347 eP	P	11 00 27.2 -0.9
VLQD			LR	
C09A	Chrisman Ranch	94.86 14 eP	P	11 00 27.9 -1.0
C09A			LR	
E03A	Lebam	94.87 18 eP	P	11 00 28.5 -0.4
E03A			LR	
LTY	Liberty	94.88 16 eP	P	11 00 27.6 -1.4
LTY			LR	
GGN	Saint George	94.96 339 PFAKE	LR	11 00 40.0 +1.1
LON	Longmire	95.10 17 eP	P	11 00 29.6 -0.5
LON	Longmire	95.10 17 eP	P	11 00 29.6 -0.5
LON	Longmire	95.10 17 eP	P	11 00 29.6 -0.5
LON	Longmire	95.10 17 eP	P	11 00 29.6 -0.5
E04D	Cinebar	95.10 17 P	P	11 00 29.4 -0.5
D08A	Wolman Farm	95.44 15 eP	P	11 00 30.9 -0.6
D08A			LR	
EMMW	East Machias	95.51 339 eP	P	11 00 31.5 -0.3
PKME	Peaks-Kenny Pk	95.52 340 eP	P	11 00 31.5 -0.4
PKME	Peaks-Kenny Pk	95.52 340 eP	P	11 00 30.9 -0.9
JTMT	Jette	95.62 11 eP	P	11 00 31.8 -0.7
E07A	Sunnyside	95.72 15 PFAKE	LR	11 00 40.0 +7.2
E07A			LR	
A33A	Warroad	95.76 359 P	P	11 00 31.3 -1.7
HAWA	Hanford	95.94 15 eP	P	11 00 32.8 -1.0
HAWA			LR	
E08A	Dider Farm, El	95.95 15 eP	P	11 00 33.2 -0.6
E08A			LR	
EGMT	Eagleton	95.97 8 eP	P	11 00 32.6 -1.5
EGMT			LR	
EGMT	Eagleton	95.97 8 P	P	11 00 32.5 -1.5
F05D	White Salmon	95.99 17 P	P	11 00 33.3 -0.7
DGMT	Dagmar	96.03 5 eP	P	11 00 33.2 -1.0
DGMT			LR	
DGMT	Dagmar	96.03 5 P	P	11 00 33.3 -1.0
E09A	Wood Farm, Sta	96.11 14 eP	P	11 00 33.6 -1.0
E09A			LR	
MOQ	Mont Orford	96.25 342 eP	P	11 00 34.6 -0.6
F07A	Phinny Hill Vi	96.33 16 eP	P	11 00 35.4 -0.2
F07A			LR	
C40A	Isle Royale Na	96.47 354 eP	P	11 00 35.2 -1.0
C40A			LR	
C40A	Isle Royale Na	96.47 354 P	P	11 00 34.1 -2.0
EYMN	Ely	96.60 356 eP	P	11 00 34.8 -2.0

EYMN			LR	LR
EYMN	Ely	96.60 356 P	P	11 00 35.1 -1.7
G05D	Wainior	96.63 17 P	P	11 00 37.4 +0.4
COR	Corvallis	96.76 18 PFAKE	LR	11 00 50.0 +1.2
G06A	Carlson Farm	96.80 16 eP	P	11 00 37.5 -0.2
F10A	Beach	96.81 14 eP	P	11 00 37.4 -0.5
C38A	Sawbill Land	96.82 356 P	P	11 00 35.6 -2.2
MDND	Maddock	96.85 1 eP	P	11 00 37.1 -0.8
MDND			LR	
MDND	Maddock	96.85 1 P	P	11 00 36.3 -1.6
C37A	Embarrass	96.86 356 P	P	11 00 35.9 -2.0
C33A	Tral	96.95 359 P	P	11 00 36.5 -1.8
H04A	Detroit Lake	96.95 17 eP	P	11 00 37.2 -1.3
H04A			LR	
H04D	Lebanon	96.97 18 P	P	11 00 38.4 -0.1
HRY	Holter Researc	97.00 10 eP	P	11 00 37.7 -1.1
FRNY	Flat Rock	97.02 343 eP	P	11 00 38.1 -0.6
G08A	Pilot Rock	97.11 15 eP	P	11 00 37.6 -1.7
G08A			LR	
LBNH	Lisbon	97.17 342 P	P	11 00 38.8 -0.6
D41A	Chassel	97.27 354 PFAKE	LR	11 00 50.0 +1.0
D41A			LR	
D41A	Chassel	97.27 354 P	P	11 00 38.0 -1.8
D37A	Cotton	97.44 357 P	P	11 00 38.5 -2.1
E44A	Grand Marais A	97.45 352 PFAKE	LR	11 00 50.0 +9.3
E44A			LR	
LONY	Lake Ozonia	97.45 344 eP	P	11 00 38.4 -2.3
LONY	Lake Ozonia	97.45 344 eP	P	11 00 40.0 -0.6
LONY	Lake Ozonia	97.45 344 P	P	11 00 40.0 -0.6
I05D	Terrebonne, OR	97.48 17 P	P	11 00 40.9 0.0
E45A	Wooded Hills	97.62 351 P	P	11 00 40.7 -0.6
LAO	LSA Array	97.65 6 eP	P	11 00 40.7 -0.9
LAO			LR	
LAO	LSA Array	97.65 6 P	P	11 00 40.8 -0.8
I04A	Tendick Farm	97.73 18 P	P	11 00 41.8 -0.3
HNH	Hanover	97.76 342 eP	P	11 00 39.8 -2.3
LRM	Limekiln Ridge	97.78 11 eP	P	11 00 41.3 -1.2
E43A	Lone Tree Farm	97.80 353 PFAKE	LR	11 00 50.0 +7.7
E43A			LR	
E43A	Lone Tree Farm	97.80 353 P	P	11 00 41.2 -1.0
E42A	Champion	97.84 353 P	P	11 00 40.8 -1.6
DZM	Mont Dumac	97.85 111 P	P	11 00 42.4 -0.5
DZM	Mont Dumac	97.85 111 eP	P	11 00 45.9 +3.0
DZM	Mont Dumac	97.85 111 ePP	PKS	11 04 39.2 -2.4
DZM	Mont Dumac	97.85 111 ePP	PKS	11 11 21.2 +0.9
DZM	Mont Dumac	97.85 111 ePP	PKS	11 13 45.7 +1.2
DZM	Mont Dumac	97.85 111 eLR	LR	11 32 22.0
DZM	Mont Dumac	97.85 111 eP	P	11 00 42.3 -0.5
BMO	Blue Mountains	97.87 14 eP	P	11 00 41.4 -1.3
BMO	Blue Mountains	97.87 14 eP	P	11 00 41.4 -1.3
BMO	Blue Mountains	97.87 14 eP	P	11 00 41.4 -1.3
E41A	Kenton	97.90 354 P	P	11 00 40.8 -1.9
E38A	The Farm, Brul	97.94 356 eP	P	11 00 41.0 -1.8
E38A			LR	
E38A	The Farm, Brul	97.94 356 P	P	11 00 41.0 -1.8
NCB	Newcomb	97.98 343 PFAKE	LR	11 00 50.0 +6.9
E40A	Wakfield	97.99 355 P	P	11 00 41.3 -1.8
KEBM	Edson Butte	98.09 20 PFAKE	LR	11 00 50.0 +6.3
PINE	Pin Mountain	98.09 17 eP	P	11 00 43.9 0.0
PINE			LR	
E39A	Melley	98		

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Table with columns: ID, Name, Time, Status, etc. Rows include F40A Park Falls, F39A Loretta, F38A Pierce Schro, F41A Three Lakes, etc.

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Table with columns: ID, Name, Time, Status, etc. Rows include BINY comp=2.8um,20.0s, JCC Jacoby Creek, H36A Jesseland, He, KHMM Horse Mountain, etc.

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Table with columns: ID, Name, Time, Status, etc. Rows include K40A Colesburg, K41A Shullsburg, K39A Getwein, HPAH Hawaii Prepara, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WAKR Walker, RYN Ryan, MPU Maple Canyon, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SZCU Shurtz Canyon, PV18 Skein Mesa, WCI Wyandotte Cave, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TBI Tubuai, TBI Tubuai, TBI Tubuai, etc.

IDC 12 11:04:29.6:0.9,35:71N:82:57E,h0km,mb3.7/11, mb1.4/0.15,mb1mxd3.7/72,mbmtm3.8/15,ML3.6/4,Error ellipse: s-maj=23.6km s-min=1.6km az=51.0

ISC 12 11:04:31.5:0.8,35:80N:0:10:82.6E:0:1,h10km,n16, c12911.6,mb3.7/11,Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like UNK, JTKR, JAK, JAK, TYV, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WMQ, KURK, KURK, KURK, etc.

Table with columns: Call Sign, Name, Time, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like IVA, Berane, PHP, Peshkopia, etc.

MEX 12:08:13.2E.0.4, 18.22N<100.82W, h36km, 77km, MD3.9, 12.08:13.2E.0.4, 18.22N<100.82W, h36km, 77km, MD3.9

ISCJB 12:08:39.4E.0.4, 35.79N<0.04:82.75E.0.09, h10km, m3.6/1.1, MS4.3/1, Error ellipse: s-maj=10.7km

ISC 12:08:43.3, 35.84N<82.56E, h16km, mb.11/1, ML4.2/7, Ms3.8/1, Ms7.3/7/1

KSH Kashi, 6.36 308 Op Pn, 12:10 44.2 -4.7

AAK Ala-Archa, 9.22 320 Pn Pn, 12:10 58.0 +3.0

GERES GERESS Array B, 77.61 334 P P, 12:10 54.1 0.0

GERES GERESS Array B, 77.61 334 P P, 12:10 54.1 0.0

GERES GERESS Array B, 77.61 334 P P, 12:10 54.1 0.0

GERES GERESS Array B, 77.61 334 P P, 12:10 54.1 0.0

ISCJB 12:26:34.8E.0.7, 42.84N<0.06:144.98E.0.05, h55km, 4km, mb3.8/1.2, Error ellipse: s-maj=10.3km s-min=4.3km

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for JAK, NEM2, NAKASH, ONBETS, GOLVINO, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for MJAR, KLR, EKMM, SONGINGO, etc.

ISCJCB 12 12:53:36.6±0.5, 37.89S±0.03s, 179.66W±0.04, h33km, mb4.6/8, Error ellipse: s-maj=4.7km s-min=4.0km az=22.8

NEIC 12 12:53:38.1±0.0, 37.60S±0.03s, 179.72W, h33km, mb4.8/7, ML4.5(WEL), After WEL

WEL 12 12:53:39.8±1.1, 38.5S±10.18'OW±1, h33km, ML4.5/13, IDC 12 12:53:43.1±5.0, 38.34S±179.98E, h65km, 3.7km, mb4.0/3, mb1.4, 1/5, mb1mx3.6/40, mbtmp4.3/5, ML3.7/2, MS4.2/1, MS1.4, 2/1, ms1mx3.2/42, Error ellipse: s-maj=39.2km s-min=32.0km az=51.0

ISC 12 12:53:37.9±1.2, 37.96S±0.04s, 179.96W±0.05, h20km, 4km, n175, ±1992/209, mb4.7/8, East of North Island

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for WMGZ, WNGZ, WUMZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for BHZH, RAITZ, WPHZ, etc.

NIED 12 13:06:00.36±1.0N, 137.60E, h5km, Mw4.0 Best double couple: M1.14000±0.1015 NP1:±177.00000, ±64.00000, λ-15.00000, NP2:±274.00000, ±77.00000, λ-153.00000

ISCJCB 12 13:06:02.1±0.6, 36.16N±0.04s, 137.56E±0.04, h12km, 4km, mb3.2/4, MS3.5/1, Error ellipse: s-maj=7.2km s-min=4.8km az=10.4

JMA 12 13:06:02.4, 36.15N, 137.56E, h2km, 1km, M3.7 Broadband fault plane solution: P waves, NP1: ±9.970000, ±89.00000, λ-175.00000, NP2:±6.700000, ±85.00000, λ-1.00000, Principal axes: T Plg3.0000, Azm23.0000; N Plg5.0000, Azm105.0000; P Plg4.0000, Azm322.0000;

JMA Felt II J. IDC 12 13:06:02.1±1.0, 36.17N, 137.56E, h0km, mb3.3/4, mb1.3/5, mb1mx3.7/5, mbtmp3.5/8, ML3.4/3, MS3.3/2, s-min=8.6km az=153.0

ISC 12 13:06:02.9±1.2, 36.16N±0.04s, 137.57E±0.03, h4km±10km, n16, ±070/22, mb3.4/4, 1C-3D, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Contains station data for JGN, KURK, etc.

Table with 5 columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JAK, NEM2, JKB, etc.

MEX 12 16:31:23.61E, 4.2110N x 101.327W, h15km, MD3.6, Jalisco

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like IGIG, IGIG, MOC, etc.

IDC 12 17:13:20.51E, 1.9, 39.88N x 48.27E, h0km, mb3.3/3, mb1 3.3/5, mb1mx3.1/59, mbtmp3.4/5, ML1.0/1, Error ellipse: s-maj=52.2km s-min=13.8km az=177.0

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ISCJB, ISCJB, etc.

ISCJB 12 17:13:27.60E, 3.9, 39.92N x 0.02E, h20km, 4km, mb3.1/2, Error ellipse: s-maj=3.7km s-min=3.1km az=7.9

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AZER, AZER, etc.

TEH 12 17:13:30.7, 3.9, 39.69N x 47.93E, h18km, ML3.0, Error ellipse: s-maj=0.5km s-min=0.4km az=270.0

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SAAT, SAAT, etc.

ISC 12 17:13:28.20E, 9.3, 39.91N x 0.02E, h43.1E, 0.03, h62km, 7km, n42, c1544/76, 25C-22D, Iran-Armenia-Azerbaijan border region

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SAAT, SAAT, etc.

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Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SAAT, SAAT, etc.

WEL 12 17:19:27.91E, 3.33S x 107.179E, h33km, ML4.4/9, South of Kermadec Islands

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like WMGZ, WMGZ, etc.

Table with 5 columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like TWGZ, TWGZ, etc.

MAN 12 17:29:38.3, 10.65N x 123.47E, h43km, ML3.4, ML3.1, MS2.8, 1D, Cebu

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like LLLP, LLLP, etc.

ISK 12 17:47:51.9, 38.73N x 38.22E, h16km, ML2.4/8, Error ellipse: s-maj=5.5km s-min=3.6km az=162.8

Table with 5 columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HEKM, HEKM, etc.

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Table with 5 columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BRTR, BRTR, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like BUR08 Bucovina Ar. S, BURAR Bucovina Array, F38A Pierce - Schro, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like F43A Flat Rock, Esc, J39A Decorah, I40A Nokik, L37A Phoenix Point, etc.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like W400 Wichita Mounta, W401 Wichita Mounta, W402 Wichita Mounta, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like MIAR, WHAR, V42A, U43A, W41B, S46A, R47A, P50A, M54A, Q49A, WCI, X40A, R48A, N54A, T46A, Q50A, S48A, Q51A, BINY, T47A, Z40A, R50A, S49A, U47A, WWT, Y42A, R51A, V46A, T49A, S50A, NATX, U48A, CAF, SSPA, IDI, O56A, Y43A, Z42A, V47A, 833A, T50A, S51A, U49A, OXF, Y44A, S52A, N59A, W47A, PLAL, Y45A, U50A, V49A, W48A, T52A, X47A, P41A, Y46A, U51A, TZTN, W49A, V50A, SWET, U52A, X48A, V51A, Y47A, W50A, 244A, X49A, CPCT, U53A, V52A, V52A.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like Y48A, W51A, TKL, TKL, BLA, U16A, Z47A, X50B, Z45A, Z48A, 344A, Y49A, Y49A, V53A, 147A, NWA0, Y50A, W53A, LRAL, LRAL, Z47A, Z49A, X52A, Z50A, Z50A, X53A, 149A, 347A, Y52A, KMSC, 150A, 249A, Z52A, 151A, 250A, 250A, Y54A, GOGA, 349A, Z53A, 152A, 251A, Z54A, 351A, 154A, 253A, 352A, 155A, 254A, 353A, TIGA, 255A, 453A, 355A, KEST, CMIG, TORO, TORO, TORO, KOWA, DBIC, VVND, VVND, T5UM, BOSA, LPAZ, GSPA, BDFB, CPUP, PLCA, PLCA, TRN, SEG, DEG, SFG, BPA, MGG, MGG, MBWH, MLYT, MLYT, TBG, ANWB, ANWB.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like ANWB, MDPO, BBL, BBL, NEV, NVRH, DLPL, SEUS, FDF, SABA, SABA, SMRT, SMRT, SLW, SLB, SLDE, SVV, SVB, AZER, IHRH, IHRH, ITBZ, ITBZ, ORD, ORD, ISRB, ISRB, IMRD, GRMI, ISHB, IAZR, IAZR, LRK, NAX, LRK, NAX, SBZ, SBZ, GLBA, GLBA, ASTR, ASTR, BRDA, BRDA, BRDA, MAKU, HYR, HYR, YOVA, YOVA, KDMR, GANJ, GANJ, GANJ, ZANJ, CLDR, CLDR, GDB, GDB, IGDI, IGDI, IML, IML, GBS, GBS, PQL, PQL, SEKA, SEKA, SEKA, CUKT, DDFL, DGRG, DGRG, TUTA, TUTA, EAK, EAK, TBLG, TBLG, DUS, DUS, AZER, IHRH, IHRH, ITBZ, ITBZ, ORD, ORD, IMRD, IMRD, ISHB, ISHB, ISRB, IAZR, IAZR, GRMI, NAX, LRK, LRK, SBZ, SBZ, GLBA, GLBA.

Table with columns for station name, frequency, and other technical details. Includes stations like AGRR Hanur-Agry, GOBA Gobu, ADCV BITLIS Adilcev, SIZA Siyaz, SIZA David-gareji, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like IZEF Zefreh, IZEF Zefreh, IZEF Sochi, IZEF Sochi, IZEF Sochi, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like ARU, L'vov, Buzias, MNAS, MNAS, MNAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Res, Time, Res, ISC. Includes stations like Tabriz, Ordubad, Marand, Shabestar, Azarshahr, Sarab, Nakhchivan, Shahbuz, Lerik, Cililabad, Astara, Heyderabad.

ISK 13 03:23:48.8, 38.67N, 28.10E, h8km, ML2.2/10
ISCJB 13 03:23:49.1, 0.4, 38.68N, 0.03, 28.08E, 0.03, h10km, Error
ellipse: s-maj=4.4km s-min=3.7km az=14.6
DDA 13 03:23:49.1, 38.70N, 28.06E, h5km, ML2.6
ISC 13 03:23:49.2, 0.9, 38.67N, 0.03, 28.08E, 0.03, h10km, n21,
0547/25, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Res, Time, Res, ISC. Includes stations like Akhisar, Kula, Zeytinokuy-Aydi, Simav-Kutahya, Balikesir, Saphane-Kutahya, Dursunbey, Balikesir, Dikili, Tasoluk, zmir, Balya, Karahalli, Gzelcamli, Gediz, Edincik, Karabiga-Canak, Yalova.

ISCJB 13 03:23:54.9, 0.2, 38.85N, 0.03, 14.77E, 0.05, h350km,
mb3.4/8, Error ellipse: s-maj=5.2km s-min=3.5km
az=157.8

ROM 13 03:23:55.2, 0.2, 38.88N, 0.02, 14.77E, 0.03, h335km, 2km,
ML3.5/36

LDG 13 03:23:55.7, 0.1, 38.93N, 14.74E, h340km, Error ellipse:
s-maj=5.3km s-min=2.9km az=68.0

IDC 13 03:23:58.0, 0.1, 39.04N, 14.41E, h341km, 9km, mb3.1/9,
mb1.3/120, mb1mx2.9/76, mbtmp3.7/20, Error ellipse:
s-maj=14.9km s-min=13.9km az=104.0

ISC 13 03:23:57.0, 0.6, 38.92N, 0.07, 14.71E, 0.06, h350km, n329,
0230/127, mb3.5/8, Sicily

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Res, Time, Res, ISC. Includes stations like Filicudi, Alicudi, Lipari, Vulcano Piano, Milazzo, San Fratello, Castanea.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Res, Time, Res, ISC. Includes stations like Castanea, Monte Pelicciolo, Port Mandanici, Castoreale, Antennamare, Joppo, Pollina, Gibilmanna, Scilla, Cetraro, Gamberie, Carolei, Gagliano Caste, Solunto.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Res, Time, Res, ISC. Includes stations like Solunto, Monte Pelicciolo, Girifalco, Castrocucco, Alia, Palizzi, Placanca, Valguarnera, Celico, Corleone, Sersale, Hlni, San Lorenzo Be, Pietrapola, Sortino.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOD2, JKT, BSO3, JYN, JIM2, BSO1, MJAR, MAJO, MAJO, MAT, MAT, MAT, MJBS, MJBS, INU, JHJ, JHJ, JHJ, JNU, ASAJ, ASAJ, CBJJ, CBJJ, CBJJ, KSR5, KSR5, KS15, KSAR, USRK, KLR, SONAO, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ZAAO, ZAA1, ZALV, MK32, MKAR, KURK, KURBS, AAK, BVAR, ILAR, ILB, KK31, KKAR, FITZ, ARU, ABKAR, AKTO, AS31, ASAR, ARAO, ARCES, FIAO, FINES, KBZ, AKASG, HFS, NB200, NOA, NV01, NVAR, CLL, GERES, ARSA, SOKA, WATA, WATA, MOTA, FETA, LTX, TXAR, TOA1, TORO, LPAZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ULHL, ULHL, ULHL, SATY, SATY, ZHN, ZHN, BOOM, BOOM, UZB, UZB, TNS5, TNS5, SHLS, SHLS, SHLS, KZA, KZA, MDOK, MDOK, MDOK, IZV, IZV, KOTS, KOTS, KNDC, KNDC, AAA, AAA, PDGK, PDGK, PDGK, MTBS, MTBS, KST, KST, TKM2, TKM2, TKM2, TKM2, TKM2, KBK, KBK, UCH, UCH, KTBS, KTBS, CHKK, CHKK, AAK, AAK, AAK, FRU1, FRU1, CHMS, CHMS, CHMS, KUU, KUU, ARXS, ARXS, SFK, SFK, SFK, SFK, AML, AML, AML, USP, USP, USP, DJR, DJR, DJR, EKS2, EKS2, EKS2, ZALV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARSB, ARSB, MRKS, MRKS, MRKS, TDK, TDK, MNAS, MNAS, MNAS, MNAS, MNAS, KK31, KK31, KK31, MK31, MK31, MKAR, MKAR, MKAR, MKAR, WMQ, WMQ, WMQ, OTUK, OTUK, KURBS, KURBS, KURBS, KURK, KURK, BVAR, BVAR, ZALV, ZALV, SONM, SONM, TORO, TORO.

IGQ 13 04:49:07.5-1.0, 1'S, 4'-8'1W, h12km, MLV4.4/5, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JAMA, JAMA, MILO, MILO, MAG1, MAG1, COHC, COHC, AAM1, AAM1, ILLI, ILLI, EBIL, EBIL, BMAS, BMAS, JU16, JU16, POND, POND, ARRY, ARRY, EPAT, EPAT, EPAT, RUNS, RUNS, BRUN, BRUN, BULB, BULB, NINA, NINA, GNAS, GNAS, BMOR, BMOR, PISA, PISA, NRES, NRES, BREF, BREF, BVOC, BVOC, BTAM, BTAM, JUA2, JUA2, PITA, PITA, VC1, VC1, GPCP, GPCP, COV1, COV1, YANA, YANA, PAC1, PAC1, ANTG, ANTG, ANTM, ANTM, PULU, PULU, ANTS, ANTS, CUIC, CUIC, ARDO, ARDO, COTA, COTA, IMBA, IMBA, YRUC, YRUC, YAHU, YAHU.

IDC 13 05:02:42.9-1.4, 5:46'S, 133:52'E, h0km, mb4.2/4, mb1 4.4/7, mb1mx3.9/46, mbtmp4.3/7, ML4.4/3, MS2.7/1, Ms1 2.7/1, ms1mx2.3/46, Error ellipse: s-maj=4.2km s-min=26.0km az=98.0

ISCJBJ 13 05:02:45.7-0.6, 5:54'S, 0:04', 133:53'E, 0:08, h33km, mb4.3/6, MS2.5/1, Error ellipse: s-maj=1.10km

NEIC 13 05:02:47.0-0.5, 5:48'S, 133:81'E, h35km, mb4.3/3, Error ellipse: s-maj=10.8km s-min=8.9km az=92.0

ISC 13 05:02:48.0-0.8, 5:60'S, 0:06', 133:49'E, 0:10, h35km, n30, az=237/35, mb4.3/6, ARU Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FAKI, FAKI, MTN, MTN, SOEI, SOEI, SOEI, BATI, BATI, BATI, LUWI, LUWI, WYAB, WYAB, MANU, MANU, FITZ, FITZ, FITZ, FITZ, ASO1, ASO1, AS31, AS31, ASAR, ASAR, ASAR, GUMO, GUMO, FORT, FORT, EKS2, EKS2, MK31, MK31, MKAR, MKAR, ZALV.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SOME, BUI, IDC, mb1, mb1, mb1, KRNET, NNC, Error ellipse, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with multiple columns containing names, numbers, and codes. Includes entries like BULB Ulba, CPUP Villa Florida, and various other names and codes.

P45A	Graceland, Par	46.12 348	ePcP	PcP	05 42 33.8	-0.5
O49A	Covington	46.18 352	P	P	05 40 58.7	-1.9
BRNJ	Basking Ridge	46.20	2 eP	P	05 41 01.8	+1.1
P44A	Sand Creek, Wi	46.25 347	P	P	05 40 58.9	-2.2
R39A	Chumby, Stover	46.31 342	P	P	05 40 59.7	-1.9
O48A	Farmland	46.37 351	P	P	05 41 00.2	-1.8
Q41A	Truxton	46.39 344	P	P	05 41 00.6	-1.7
N59A	State Game Lan	46.40	1 eP	P	05 41 03.3	+1.0
N59A	State Game Lan	46.40	1 P	PcP	05 41 03.1	+0.8
R38A	Fenwick Farm	46.46 341	P	P	05 41 01.1	-1.8
MSTX	Muleshoe	46.47 330	eP	P	05 41 02.7	-0.4
MSTX	Muleshoe	46.47 330	P	P	05 41 02.8	-0.4
O47A	Sheridan	46.51 350	P	P	05 41 01.0	-2.2
N54A	Moraine State	46.52 357	eP	P	05 41 02.6	-0.7
N54A	Moraine State	46.52 357	P	PcP	05 41 02.8	-0.4
PAL	Palisades	46.55	3 P	P	05 41 03.4	-0.1
N50A	Nevada	46.61 353	P	P	05 41 02.3	-1.6
P43A	Skaggs, Pawnee	46.62 346	P	P	05 41 02.0	-2.0
Q40A	Laux Farm, Aux	46.66 344	P	P	05 41 02.5	-1.9
AMTX	Amarillo	46.67 332	eP	P	05 41 04.2	-0.5
AMTX	Amarillo	46.67 332	P	P	05 41 04.2	-0.5
P42A	Winchester	46.76 346	P	P	05 41 03.3	-1.8
O45A	Potomac	46.81 349	P	P	05 41 03.0	-2.5
SFIN	Lafayette	46.82 349	eP	P	05 41 03.7	-1.9
SFIN	Lafayette	46.82 349	ePcP	PcP	05 42 36.8	+0.1
O44A	Mansfield	46.87 348	P	P	05 41 03.7	-2.3
Q39A	Willow Grove F	46.92 343	P	P	05 41 05.0	-1.7
P41A	Barry, Barry	47.02 345	P	P	05 41 05.1	-2.1
KSPA	Keystone Colle	47.04	1 eP	P	05 41 07.7	+0.5
KSPA	Keystone Colle	47.04	1 ePcP	PcP	05 42 37.4	-0.1
M54A	Oil Creek Stat	47.05 357	eP	P	05 41 06.5	-0.9
M54A	Oil Creek Stat	47.05 357	P	P	05 41 06.8	-0.6
Q38A	Cooks Store, C	47.08 342	P	P	05 41 06.3	-1.3
P40A	Paris	47.15 344	eP	P	05 41 06.5	-1.6
P40A	Paris	47.15 344	P	P	05 41 06.0	-2.1
O43A	Sugar Creek Fa	47.18 347	P	P	05 41 06.2	-2.2
M50A	Fremont	47.22 354	P	P	05 41 07.0	-1.7
N46A	Monticello	47.25 350	P	P	05 41 06.7	-2.2
Q37A	Longview Farm,	47.27 341	P	P	05 41 07.5	-1.6
O42A	Bath	47.27 346	P	P	05 41 07.2	-1.9
P39B	Salisbury	47.31 343	P	P	05 41 07.5	-1.9
N45A	Kentland	47.35 349	P	P	05 41 07.0	-2.7
M65A	Busby, Falmout	47.37	6 P	P	05 41 08.8	-1.0
O41A	Pasleys Farm,	47.39 345	P	P	05 41 07.8	-2.2
M49A	Liberty Center	47.40 353	P	P	05 41 08.5	-1.6
N44A	Piper City	47.42 348	P	P	05 41 07.7	-2.5
HDIL	Hopedale	47.44 347	eP	P	05 41 07.6	-2.7
HDIL	Hopedale	47.44 347	P	P	05 41 08.2	-2.1
O40A	La Belle	47.66 344	P	P	05 41 10.0	-2.1
P38A	Dawn	47.67 343	eP	P	05 41 10.4	-1.7
P38A	Dawn	47.67 343	P	P	05 41 10.5	-1.7
ERPA	Erie	47.68 357	P	P	05 41 11.3	-0.9
BINY	Binghamton	47.68	1 eP	P	05 41 12.9	+0.7
BINY	Binghamton	47.68	1 ePcP	PcP	05 42 40.1	+0.3
M46A	Old House Fiel	47.69 350	eP	P	05 41 10.2	-2.1
M46A	Old House Fiel	47.69 350	P	P	05 41 10.1	-2.2
N43A	Stutzman Famil	47.78 347	P	P	05 41 10.8	-2.1
M45A	Boilermakers S	47.82 349	P	P	05 41 11.0	-2.3
N42A	Vates City	47.87 346	P	P	05 41 11.7	-1.9
P37A	Lathrop	47.88 342	P	P	05 41 12.2	-1.6
L48A	N Adams	47.92 352	P	P	05 41 12.4	-1.7
QUA2	Belchertown	47.92	4 eP	P	05 41 14.9	+0.8
N41A	Harden Midland	47.95 346	eP	P	05 41 12.7	-1.6
N41A	Harden Midland	47.95 346	P	P	05 41 12.3	-1.9
O39A	Kirksville	47.96 344	P	P	05 41 12.8	-1.6
L49A	Milan	48.00 353	P	P	05 41 13.1	-1.6
L47A	Sherwood	48.06 352	P	P	05 41 13.2	-1.9
121A	Cookes Peak, D	48.09 324	P	P	05 41 16.2	+0.5
O38A	Galt	48.11 343	P	P	05 41 14.0	-1.6
319A	Douglas	48.16 322	eP	P	05 41 16.5	+0.3
AAM	Ann Arbor	48.18 353	eP	P	05 41 14.3	-1.7
AAM	Ann Arbor	48.18 353	eP	P	05 41 14.3	-1.7
AAM	Ann Arbor	48.18 353	P	P	05 41 14.5	-1.5
KSU1	Kansas State U	48.19 339	eP	P	05 41 15.6	-0.7
KSU1	Kansas State U	48.19 339	P	P	05 41 15.4	-0.8
M43A	Waltham Townsh	48.21 348	P	P	05 41 13.8	-2.5
MMNY	Mt. Morris Dam	48.21 359	eP	P	05 41 16.4	+0.1
MMNY	Mt. Morris Dam	48.22	5 P	PcP	05 42 41.9	+0.2
HRV	Adam Dziewonsk	48.22	5 P	P	05 41 16.8	+0.4
N40A	Mertquake, Sal	48.30 345	P	P	05 41 14.9	-2.1
O37A	Wolven Farm, M	48.35 342	P	P	05 41 15.9	-1.5
M42A	Sheffield	48.40 347	P	P	05 41 15.1	-2.7
M41A	Milan	48.50 346	P	P	05 41 16.3	-2.2

N39A	Derby Farms, D	48.53 344	eP	P	05 41 16.8	-2.0
N39A	Derby Farms, D	48.53 344	P	P	05 41 17.0	-1.8
BNM	Starnes Site	48.62 327	eP	P	05 41 20.2	+0.3
N38A	Joes South For	48.66 343	P	P	05 41 18.2	-1.6
M40A	Post Highland	48.77 345	P	P	05 41 18.6	-2.0
LENN	Lemitar	48.83 326	eP	P	05 41 21.5	+0.1
LENN	Lemitar	48.83 326	ePcP	PcP	05 42 45.1	+0.7
L43A	Garden Prairie	48.88 348	P	P	05 41 19.2	-2.3
L42A	Oliver, Polo	48.90 347	eP	P	05 41 19.2	-2.4
L42A	Oliver, Polo	48.90 347	P	P	05 41 19.2	-2.4
N37A	Lee Faris, Mou	48.91 342	eP	P	05 41 20.6	-1.1
N37A	Lee Faris, Mou	48.91 342	P	P	05 41 19.8	-1.9
ACCN	Adirondack Com	48.94	3 eP	P	05 41 20.4	-1.4
M39A	Webster	49.01 345	P	P	05 41 20.0	-2.0
LAZ	Ladron	49.09 326	eP	P	05 41 22.0	-1.5
CBKS	Cedar Bluff	49.12 336	eP	P	05 41 23.5	+0.1
CBKS	Cedar Bluff	49.12 336	eP	P	05 41 23.5	+0.1
CBKS	Cedar Bluff	49.12 336	P	P	05 41 23.5	+0.1
CBKS	Cedar Bluff	49.12 336	P	P	05 41 23.5	+0.1
CBKS	Cedar Bluff	49.12 336	P	P	05 41 23.5	+0.1
TASL	Snake Pit, Alb	49.13 328	P	P	05 41 23.8	0.0
ANMO	Albuquerque	49.13 328	P	P	05 41 23.9	+0.1
ANMO	Albuquerque	49.13 328	P	P	05 41 23.8	+0.1
ANMO	Albuquerque	49.13 328	P	P	05 41 23.5	-0.3
TASM	Asi Rad, Albuq	49.13 328	P	P	05 41 23.6	-0.1
L41A	Preston	49.16 347	P	P	05 41 21.3	-2.2
N36A	Muff Farm, Cla	49.19 342	P	P	05 41 22.5	-1.4
M38A	Pleasantville	49.23 344	P	P	05 41 22.0	-2.1
K43A	Burlington	49.30 349	P	P	05 41 22.1	-2.5
L40A	Anamosa	49.32 346	eP	P	05 41 22.9	-1.8
L40A	Anamosa	49.32 346	P	P	05 41 22.6	-2.1
HNH	Hanover	49.35	4 eP	P	05 41 25.3	+0.4
M37A	Trindle Farm,	49.46 343	P	P	05 41 24.2	-1.7
NCB	Newcomb	49.50	2 eP	P	05 41 25.9	-0.2
L39A	Vinton	49.57 345	P	P	05 41 24.5	-2.2
K42A	Prairie Point,	49.58 348	P	P	05 41 24.3	-2.4
K41A	Shullsburg	49.62 347	P	P	05 41 24.7	-2.4
SCIA	State Center	49.69 344	eP	P	05 41 25.9	-1.6
SCIA	State Center	49.69 344	P	P	05 41 26.0	-1.6
M36A	Felix, Anita	49.73 342	P	P	05 41 26.5	-1.4
TUC	Tucson	49.73 322	eP	P	05 41 27.8	-0.3
TUC	Tucson	49.73 322	P	P	05 41 28.1	0.0
T25A	Trinidad	49.80 331	eP	P	05 41 27.9	-0.9
T25A	Trinidad	49.80 331	P	P	05 41 29.2	+0.4
L38A	Oak Wood Farm,	49.84 344	P	P	05 41 26.8	-1.9
JFWS	Jewell Farm	49.90 347	eP	P	05 41 27.0	-2.1
JFWS	Jewell Farm	49.90 347	ePcP	PcP	05 42 48.1	+0.3
JFWS	Jewell Farm	49.90 347	eP	P	05 41 27.0	-2.1
JFWS	Jewell Farm	49.90 347	P	P	05 41 27.1	-2.1
JFWS	Jewell Farm	49.90 347	P	P	05 41 26.9	-2.2
K40A	Colesburg	49.90 346	P	P	05 41 27.9	-2.2
J43A	Natural Harves	49.97 349	P	P	05 41 27.5	-2.2
L37A	Phoenix Point,	50.04 344	P	P	05 41 28.2	-2.0
J42A	Columbus	50.05 348	P	P	05 41 27.8	-2.4
K39A	Delwein	50.09 346	P	P	05 41 28.1	-2.5
L36A	Harm Buss Farm	50.28 343	P	P	05 41 30.5	-1.6
SADO	Sadowa	50.28 358	P	P	05 41 30.6	-1.4
SADO	Sadowa	50.28 358	P	P	05 41 31.0	-1.0
FRNY	Flat Rock	50.39	3 eP	P	05 41 33.1	+0.3
I43A	Langenfeld Bro	50.40 349	P	P	05 41 30.7	-2.2
J40A	Soldiers Grove	50.47 347	P	P	05 41 31.2	-2.2
KSCO	Kaye Shedlock	50.50 334	eP	P	05 41 34.3	+0.4
KSCO	Kaye Shedlock	50.50 334	P	P	05 41 33.5	-0.4
I42A	Dräger Farm,	50.55 349	P	P	05 41 32.7	-1.4
I42A	Dräger Farm,	50.55 349	P	P	05 41 32.3	-1.7
K37A	Dräger Farm,	50.60 344	P	P	05 41 32.2	-2.3
J39A	Decorah	50.63 346	P	P	05 41 32.3	-2.4
K36A	Gilmore City	50.71 343	P	P	05 41 34.0	-1.3
214A	Organ Pipe Nat	50.77 320	P	P	05 41 36.1	+0.2
X18A	Snowflake	50.77 324	eP	P	05 41 36.4	+0.2
BGNE	Belgrade	50.78 339	eP	P	05 41 35.5	-0.4
BGNE	Belgrade	50.78 339	P	P	05 41 35.2	-0.6
SDCO	Great Sand Dun	50.81 331	eP	P	05 41 36.7	+0.2
SDCO	Great Sand Dun	50.81 331	P	P	05 41 36.5	+0.1
J38A	Wedel Dairy, R	50.81 345	P	P	05 41 33.5	-2.5
H43A	Windswept, Lux	50.90 350	eP	P	05 41 35.0	-1.7
H43A	Windswept, Lux	50.90 350	P	P	05 41 34.6	-2.0
I41A	Arkdale	50.91 348	eP	P	05 41 34.9	-1.8
I41A	Arkdale	50.91 348	P	P	05 41 34.6	-2.1
I40A	Norwalk	50.91 347	P	P	05 41 34.4	-2.3
W18A	Petrified Fore	51.07 325	eP	P	05 41 39.0	+0.6
W18A	Petrified Fore	51.07 325	P	P	05 41 38.7	+0.3
H42A	Shiocton	51.08 349	eP	P	05 41 36.6	-1.4

H42A	Shiocton	51.08 349	P	P	05 41 36.1	-1.9
I39A	Houston	51.08 346	eP	P	05 41 36.1	-2.0
I39A	Houston	51.08 346	ePcP	PcP	05 42 52.1	-0.1
I39A	Houston	51.08 346	P	P	05 41 36.0	-2.1
PKME	Peaks-Kenny Pk	51.18	7 eP	P	05 41 39.0	+0.3
PKME	Peaks-Kenny Pk	51.18	7 P	P	05 41 39.4	+0.6
J36A	Seneca 1, Swea	51.32 344	eP	P	05 41 38.0	-1.8
J36A	Seneca 1, Swea	51.32 344	P	P	05 41 37.6	-2.2
GGN	Saint George	51.38	9 eP	P	05 41 39.3	-0.8
H41A	Junction City	51.40 348	eP	P	05 41 38.7	-1.7
H41A	Junction City	51.40 348	P	P	05 41 38.4	-1.9
I38A	Scanlan Farm,	51.45 346	P	P	05 41 38.6	-2.2
S22A	4UR Ranch, Cre	51.47 330	eP	P	05 41 41.4	-0.1
S22A	4					

PV10	Paradox Valley	53.08 328	eP	P	05 41 52.3 -0.9
F37A	Hirrichs Farm,	53.11 346	P	P	05 41 51.4 -1.6
PV23	Carpenter Ridg	53.12 328	eP	P	05 41 52.9 -0.7
PDMCI	Parker Dam,Lak	53.15 321	P	P	05 41 53.4 -0.1
F38A	Pierce - Schro	53.15 347	P	P	05 41 51.8 -1.6
E40A	Waketfield	53.20 349	P	P	05 41 52.0 -1.7
PV09	Paradox Valley	53.22 328	eP	P	05 41 53.8 -0.5
E39A	Mellen	53.27 348	P	P	05 41 52.7 -1.5
IKP	In-Ko-Pah, Jac	53.36 318	P	P	05 41 55.3 +0.1
U15A	North Rim	53.47 324	eP	P	05 41 56.6 +0.4
U15A	comp=Z,8.6nm,0.9s		eP	P	05 41 56.6 +0.4
N23A	Red Feather La	53.51 333	eP	P	05 41 56.2 -0.2
N23A	comp=Z,11nm,1.4s		eP	P	05 41 56.2 -0.2
N23A	Red Feather La	53.51 333	P	P	05 41 56.2 -0.2
W13A	Hualapai Mount	53.51 322	eP	P	05 41 57.1 +0.7
D41A	Chassel	53.55 350	eP	P	05 41 55.5 -0.7
D41A	comp=Z,17nm,1.1s		eP	P	05 41 55.5 -0.7
D41A	Chassel	53.55 350	P	P	05 41 56.6 +0.4
BC3	Big Chuckawall	53.56 320	P	P	05 41 56.8 +0.2
VLDO	Val d'Or	53.59 359	eP	P	05 41 55.5 -0.9
VLDO	comp=Z,28nm,1.4s		eP	P	05 41 55.5 -0.9
BATG	Bathurst New B	53.60 9	eP	P	05 41 56.3 -0.3
BATG	comp=Z,2.7nm,0.9s		eP	P	05 41 56.3 -0.3
PHWY	Pilot Hill	53.62 333	eP	P	05 41 54.8 -2.4
PHWY	comp=Z,11nm,0.9s		eP	P	05 41 54.8 -2.4
IRM	Iron Mountain	53.68 320	P	P	05 41 57.6 +0.1
IRM	comp=Z,13nm,0.9s		P	P	05 41 57.6 +0.1
E38A	The Farm, Brul	53.70 347	eP	P	05 41 55.6 -1.7
E38A	comp=Z,16nm,0.8s		eP	P	05 41 55.6 -1.7
E38A	The Farm, Brul	53.70 347	P	P	05 41 55.5 -1.7
E38A	comp=Z,16nm,0.8s		P	P	05 41 55.5 -1.7
MONP2	Monument Peak	53.72 318	P	P	05 41 57.8 -0.2
SUSD	Miller	53.74 340	P	P	05 41 56.4 -1.3
NEE2	Needles Airpor	53.75 321	P	P	05 41 57.9 0.0
NEE2	comp=Z,15nm,0.8s		P	P	05 41 57.9 0.0
O20A	White River Ci	54.01 330	eP	P	05 41 59.8 -0.2
O20A	comp=Z,19nm,0.9s		eP	P	05 41 59.8 -0.2
O20A	White River Ci	54.01 330	P	P	05 41 59.7 -0.2
O20A	comp=Z,19nm,0.9s		P	P	05 41 59.7 -0.2
BELC	Belle Mio Jos	54.13 320	P	P	05 42 00.8 0.0
109C	Camp Elliot, M	54.17 318	P	P	05 42 00.4 -0.6
XPFO	Pleason Flat	54.18 319	eP	P	05 42 01.0 -0.2
XPFO	comp=Z,6.5nm,0.8s		eP	P	05 42 01.0 -0.2
PFO	Pinyon Flats O	54.18 319	eP	P	05 42 01.0 -0.3
PFO	comp=Z,6.1nm,0.8s		eP	P	05 42 01.0 -0.3
PFO	Pinyon Flats O	54.18 319	eP	P	05 42 01.4 +0.1
PFO	comp=Z,6.0nm,0.8s		eP	P	05 42 01.4 +0.1
PKCU	Pink Cliffs	54.18 325	eP	P	05 42 00.9 -0.5
PKCU	comp=Z,22nm,1.0s		eP	P	05 42 00.9 -0.5
FRD	Ford Ranch, An	54.20 319	P	P	05 42 01.6 +0.3
FRD	comp=Z,16nm,0.8s		P	P	05 42 01.6 +0.3
LDFC	Landfair	54.25 321	eP	P	05 42 02.6 +0.9
SRU	San Rafael Swe	54.40 328	eP	P	05 42 02.5 -0.3
SRU	comp=Z,12nm,0.9s		eP	P	05 42 02.5 -0.3
SRU	San Rafael Swe	54.40 328	eP	P	05 42 02.5 -0.3
SRU	comp=Z,12nm,0.9s		eP	P	05 42 02.5 -0.3
GMRC	Granite Mounta	54.41 321	P	P	05 42 03.1 +0.2
GMRC	comp=Z,13nm,0.9s		P	P	05 42 03.1 +0.2
D37A	Cotton	54.41 347	P	P	05 42 00.9 -1.6
D37A	comp=Z,16nm,1.1s		P	P	05 42 00.9 -1.6
LCMT	Little Creek M	54.42 324	eP	P	05 42 03.5 +0.6
LCMT	comp=Z,18nm,0.9s		eP	P	05 42 03.5 +0.6
C40A	Isle Royale Na	54.48 350	eP	P	05 42 01.4 -1.5
C40A	comp=Z,19nm,1.0s		eP	P	05 42 01.4 -1.5
C40A	Isle Royale Na	54.48 350	P	P	05 42 00.9 -2.0
C40A	comp=Z,19nm,1.0s		P	P	05 42 00.9 -2.0
P18A	Preston Nutter	54.64 329	eP	P	05 42 04.0 -0.6
P18A	comp=Z,6.7nm,0.9s		eP	P	05 42 04.0 -0.6
C38A	Sawbill Land,	54.69 348	eP	P	05 43 06.3 +0.2
C38A	comp=Z,16nm,0.8s		eP	P	05 43 06.3 +0.2
RWWY	Rawlins	54.72 332	eP	P	05 42 04.1 -1.1
RWWY	comp=Z,20nm,1.0s		eP	P	05 42 04.1 -1.1
RWWY	Rawlins	54.72 332	eP	P	05 43 05.0 -1.3
RWWY	comp=Z,20nm,1.0s		eP	P	05 43 05.0 -1.3
SZCU	Shurtz Canyon	54.73 325	eP	P	05 42 05.2 -0.1
SZCU	comp=Z,13nm,1.0s		eP	P	05 42 05.2 -0.1
P17A	Butcher Ranch,	54.78 328	eP	P	05 42 05.3 -0.2
P17A	comp=Z,19nm,0.8s		eP	P	05 42 05.3 -0.2
CCUT	Cedar City	54.86 325	eP	P	05 42 06.6 +0.4
CCUT	comp=Z,14nm,0.9s		eP	P	05 42 06.6 +0.4
CCUT	Marysvalle	54.86 326	eP	P	05 42 06.4 +0.2
CCUT	comp=Z,14nm,0.9s		eP	P	05 42 06.4 +0.2
MSU	Marysvalle	54.86 326	eP	P	05 42 06.5 +0.4
MSU	comp=Z,13nm,1.0s		eP	P	05 42 06.5 +0.4
HEC	Hector,Ludlow	54.87 320	P	P	05 42 06.9 +0.4
HEC	comp=Z,13nm,1.0s		P	P	05 42 06.9 +0.4
BBRC	Big Bear Solar	54.89 319	P	P	05 42 06.9 +0.4
BBRC	comp=Z,12nm,0.8s		P	P	05 42 06.9 +0.4
C37A	Embarrass	54.90 347	P	P	05 42 04.6 -1.4
C37A	comp=Z,16nm,0.8s		P	P	05 42 04.6 -1.4
TMUT	Trail Mountain	54.90 328	eP	P	05 42 06.2 -0.3
TMUT	comp=Z,5.2nm,0.7s		eP	P	05 42 06.2 -0.3
EYMN	Ely	54.96 348	eP	P	05 42 04.0 -2.5
EYMN	comp=Z,12nm,0.8s		eP	P	05 42 04.0 -2.5
EYMN	Ely	54.96 348	P	P	05 42 04.5 -2.0
EYMN	comp=Z,12nm,0.8s		P	P	05 42 04.5 -2.0
TUQ	Turquoise Moun	54.99 321	P	P	05 42 07.0 0.0
TUQ	comp=Z,8.6nm,0.6s		P	P	05 42 07.0 0.0
TCRU	Three Craks R	55.08 326	eP	P	05 42 08.2 +0.4
TCRU	comp=Z,13nm,1.0s		eP	P	05 42 08.2 +0.4
K22A	Casper	55.17 334	eP	P	05 42 07.5 -0.8
K22A	comp=Z,21nm,1.0s		eP	P	05 42 07.5 -0.8
K22A	Casper	55.17 334	P	P	05 42 07.9 -0.3
K22A	comp=Z,21nm,1.0s		P	P	05 42 07.9 -0.3
SHPR	Sheep Range	55.22 323	eP	P	05 42 08.6 -0.1
SHPR	comp=Z,13nm,1.1s		eP	P	05 42 08.6 -0.1
SHPR	Black Hills	55.33 336	eP	P	05 43 08.5 +0.2
SHPR	comp=Z,13nm,0.8s		eP	P	05 43 08.5 +0.2
RSSD	Black Hills	55.33 336	eP	P	05 42 09.3 -0.1
RSSD	comp=Z,13nm,0.8s		eP	P	05 42 09.3 -0.1
RSSD	Black Hills	55.33 336	P	P	05 42 09.3 -0.1
RSSD	comp=Z,13nm,0.8s		P	P	05 42 09.3 -0.1
BFSB	Mount Baldy Ra	55.35 319	P	P	05 42 09.4 -0.3
BFSB	comp=Z,14nm,0.9s		P	P	05 42 09.4 -0.3
GSC	Goldstone, Bar	55.46 320	eP	P	05 42 10.8 +0.4
GSC	comp=Z,16nm,0.8s		eP	P	05 42 10.8 +0.4
GSC	Goldstone, Bar	55.46 320	eP	P	05 42 10.8 +0.4
GSC	comp=Z,16nm,0.8s		eP	P	05 42 10.8 +0.4
GSC	Goldston, Bar	55.46 320	P	P	05 42 10.6 +0.2
GSC	comp=Z,16nm,0.8s		P	P	05 42 10.6 +0.2
SHOC	Shoshone, Teco	55.51 321	P	P	05 42 10.8 +0.2
SHOC	comp=Z,13nm,1.0s		P	P	05 42 10.8 +0.2
MWC	Mount Wilson	55.61 319	eP	P	05 42 12.0 +0.4
MWC	comp=Z,9nm,0.7s		eP	P	05 42 12.0 +0.4
MWC	Mount Wilson	55.61 319	eP	P	05 42 12.0 +0.4
MWC	comp=Z,9nm,0.7s		eP	P	05 42 12.0 +0.4
MPU	Maple Canyon	55.65 328	eP	P	05 42 11.7 -0.1
MPU	comp=Z,9.2nm,0.8s		eP	P	05 42 11.7 -0.1
C33A	Trail	55.79 345	P	P	05 42 10.6 -1.8
C33A	comp=Z,17nm,1.1s		P	P	05 42 10.6 -1.8
PSUT	Pine Spring	55.82 325	eP	P	05 42 13.4 +0.4
PSUT	comp=Z,17nm,1.1s		eP	P	05 42 13.4 +0.4
NLU	North Lily Min	55.84 328	eP	P	05 42 13.3 +0.2
NLU	comp=Z,9.2nm,1.1s		eP	P	05 42 13.3 +0.2
NLU	Edwards Air Fo	55.97 319	eP	P	05 43 10.6 0.0
NLU	comp=Z,12nm,0.8s		eP	P	05 43 10.6 0.0
EDW2	Edwards Air Fo	55.97 319	eP	P	05 42 13.7 -0.3
EDW2	comp=Z,12nm,0.8s		eP	P	05 42 13.7 -0.3
JLU	Jordanelle	55.98 329	eP	P	05 42 14.1 0.0
JLU	comp=Z,12nm,0.8s		eP	P	05 42 14.1 0.0
JLU	Laurel Mtn Rad	56.13 320	eP	P	05 43 11.6 +0.3
JLU	comp=Z,12nm,0.8s		eP	P	05 43 11.6 +0.3
LRMC	Laurel Mtn Rad	56.13 320	eP	P	05 42 15.2 0.0
LRMC	comp=Z,13nm,0.8s		eP	P	05 42 15.2 0.0

TPNV	Topopah Spring	56.17 322	eP	P	05 42 16.1 +0.6
TPNV	comp=Z,11nm,0.9s		eP	P	05 42 16.1 +0.6
TPNV	Topopah Spring	56.17 322	eP	P	05 42 15.8 +0.3
TPNV	comp=Z,11nm,0.9s		eP	P	05 42 15.8 +0.3
CTU	Camp Tracy	56.20 328	eP	P	05 42 15.3 -0.3
CTU	comp=Z,6.9nm,1.0s		eP	P	05 42 15.3 -0.3
BLG	Laguna Peak, P	56.21 318	P	P	05 42 15.5 -0.2
BLG	comp=Z,12.7nm,1.1s		P	P	05 42 15.5 -0.2
FURC	Furnace Creek,	56.24 321	P	P	05 42 16.0 +0.2
FURC	comp=Z,13nm,0.9s		P	P	05 42 16.0 +0.2
TCUT	Tooele	56.33 329	eP	P	05 42 16.6 -0.1
TCUT	comp=Z,33nm,0.7s		eP	P	05 42 16.6 -0.1
MPMC	Manual Prospec	56.37 321	P	P	05 42 16.6 -0.3
MPMC	comp=Z,129nm,0.9s		P	P	05 42 16.6 -0.3
DUG	Dugway, Tooele	56.40 327	eP	P	05 42 17.3 +0.2
DUG	comp=Z,15nm,0.9s		eP	P	05 42 17.3 +0.2
DUG	Dugway, Tooele	56.40 327	eP	P	05 42 17.3 +0.2
DUG	comp=Z,15nm,0.9s		eP	P	05 42 17.3 +0.2
DUG	Dugway, Tooele	56.40 327	P	P	05 42 17.1 +0.1
DUG	comp=Z,15nm,0.9s		P	P	05 42 17.1 +0.1
DAC	Darwin (Caiff)	56.57 321	eP	P	05 42 18.1 -0.2
DAC	comp=Z,5.5nm,0.9s		eP	P	05 42 18.1 -0.2
DAC	Darwin (Caiff)	56.57 321	eP	P	05 42 18.2 -0.2
DAC	comp=Z,6.0nm,0.9s		eP	P	05 42 18.2 -0.2
BW06	Boulder Array	56.66 332	eP	P	05 42 18.0 -0.9
BW06	comp=Z,19nm,1.3s		eP	P	05 42 18.0 -0.9
BW06	Boulder Array	56.66 332	P	P	05 42 17.8 -1.1
BW06	comp=Z,19nm,1.3s		P	P	05 42 17.8 -1.1
PD31	Pinedale Array	56.66 332	eP	P	05 42 18.1 -0.8
PD31	comp=Z,19nm,1.3s		eP	P	05 42 17.9 -1.1
PDAR	Pinedale Array	56.66 332	eP	P	05 43 12.9 -0.9
PDAR	comp=Z,2.2nm,0.6s,slow=8.2,SNR=29		eP	P	05 43 12.9 -0.9
PDAR	Pinedale Array	56.66 332	eP	P	05 42 19.1 -0.6
PDAR	comp=Z,2.3nm,0.9s,slow=142,slow=5.6,SNR=5.5		eP	P	05 42 19.1 -0.6
ARVC	Arvin	56.66 319	P	P	05 42 18.8 0.0
ARVC	comp=Z,116nm,0.7s,slow=146,slow=38		P	P	05 42 18.8 0.0
R11A	Troy Canyon, C	56.69 324	eP	P	05 42 19.4 +0.2
R11A	comp=Z,16nm,1.4s		eP	P	05 42 19.4 +0.2
R11A	Troy Canyon, C	56.69 324	eP	P	05 42 19.4 +0.2
R11A	comp=Z,16nm,1.4s		eP	P	05 42 19.4 +0.2
ISA	Isabella, Lake	56.75 320	eP	P	05 42 19.1 -0.4
ISA	comp=Z,8.9nm,0.9s		eP	P	05 42 19.1 -0.4
ISA	Isabella, Lake	56.75 320	eP	P	05 42 19.7 +0.1
ISA	comp=Z,9.0nm,0.9s		eP	P	05 42 19.7 +0.1
HWUT	Hardware Ranch	56.77 329	eP	P	05 42 19.1 -0.6
HWUT	comp=Z,19nm,0.7s		eP	P	05 42 19.1 -0.6
HWUT	A33A	56.78 345	eP	P	05 43 14.0 -0.2
HWUT	comp=Z,158nm,9.7s		eP	P	05 42

13d 5h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TIC, DBIC, YKA, YKWS, etc.

2012 AUG

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

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

NAO 13 05:36:17.8-0.9, 6.7:83N:20:39E, ML2.4
ISC/JB 13 05:36:18.2-0.3, 6.7:84N:02:20:22E-0.05, h0km, Error
ellipse: s-maj=3.3km s-min=2.9km az=180.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Resolution. Includes stations like RATU, RATU, NIKU, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MTSN, VTS, and various other call signs.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VTS, VTS, VTS, and various other call signs.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like AFI, DZM, URZ, and various other call signs.

ISCJCB 13 07:57:25.0±0.2, 200.85±0.07, 178.45W, 0.10, h579km, mb3.8/17, Error ellipse: s-maj=12.9km s-min=7.8km az=32.8

NIED 13 08:09:00, 36.40N, 141.80E, h14km, Mw3.7 Best double couple: M3.74000±0.1014 NP1±20.00000, δ17.00000, λ92.00000, NP2±20.00000, δ73.00000, λ89.00000

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Modulation, and other technical details for various stations.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MKAZ, TSZ, DVHZ, ETAZ, etc.

MEX 13 10:00:32.70.9, 17.57N-91.91W, h5km, MD3.7, Mexico-Guatemala border region

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

IDC 13 10:06:39.5:2.7, 53.50N-87.88E, h0km, mb1 3.4/3, mb1mx3.0/67, mbtmp3.4/3, ML2.9/2, Error ellipse: s-maj=27.1km s-min=15.6km az=59.0, Southwestern Siberia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like I46RU, ZALV, KURBB, etc.

IDC 13 10:11:10.5:2.9, 54.06N-87.23E, h0km, mb1 3.1/2, mb1mx2.9/68, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=26.8km s-min=18.3km az=54.0, Southwestern Siberia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like I46RU, ZALV, KURBB, etc.

IDC 13 10:26:25.4:3.0, 28.51N-141.57E, h0km, mb3.9/5, mb1 4.0/5, mb1mx3.6/61, mbtmp3.9/5, Error ellipse: s-maj=128.5km s-min=28.6km az=74.0, ISCJCB 13 10:27:20.0:0.7, 27.75N:0.09:139.3E:0.1, h500km, mb3.4/5, Error ellipse: s-maj=16.4km s-min=9.8km az=150.0, JMA 13 10:27:22.3:0.2, 28.01N:139.96E, h517km, M4.1, ISC 13 10:27:21.2:1.0, 27.78N:0.1:139.5E:0.2, h500km, n17, r=105/10, mb3.5/5, Bonin Islands region

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

ISN 13 10:45:42.2:1.1, 38.49N-46.70E, h0km, mb4.4/4, AZER 13 10:45:43.8:1.1, 38.43N-46.70E, h10km, mb4.5/28, Error ellipse: s-maj=5.8km s-min=1.1km az=21.0, THR 13 10:45:44.5:0.3, 38.47N-46.62E, h16km, mb3.8, MOS 13 10:45:44.5:1.6, 38.19N-46.60E, h10km, mb4.5/25, Error ellipse: s-maj=8.2km s-min=4.7km az=115.3, TEH 13 10:45:44.1, 38.46N-46.61E, h4km, ML4.2, BUI 13 10:45:44.9, 38.20N-46.50E, h10km, mb4.6/15, mB4.7/11, Ms4.3/7, Ms7.4/0/3, IDC 13 10:45:45.2:1.0, 38.43N-46.61E, h0km, mb4.0/11, mb1 4.1/19, mb1mx3.9/65, mbtmp4.0/19, ML3.5/7, MS3.4/22, Ms1.3/22, ms1.9/26/4, Error ellipse: s-maj=17.6km s-min=11.0km az=8.0, NEIC 13 10:45:46.4:0.4, 38.26N-46.57E, h10km, mb4.3/24, MN4.4(TEH), Error ellipse: s-maj=8.5km s-min=4.6km az=194.0, NEIC Felt at Ahar, Orumiyyeh and Tabriz, DDA 13 10:45:51.1, 38.64N-46.30E, h12km, M3.7, NDC 13 10:45:52.3:4.0, 38.96N-47.21E, h0km, mb4.4, Error ellipse: s-maj=85.2km s-min=31.5km az=103.0, ISC 13 10:45:45.5:1.0, 38.48N:0.02:46.67E:0.02, h0km, 7km, n249, e1994/279, mb4.3/52, MS3.5/16, 31C-45D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like I46RU, ZALV, KURBB, etc.

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

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

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BRDA, HVR, SAAT, etc.

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MNGR, ALIB, GDB, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GEYT, GEYT, GYA0B, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like GYA0B, GYA0B, BR101, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BR101, BR101, BR131, etc.

CASC 13 15:05:12.6±1.4, 13:19N-89:35W, h64km, gkm, ML4.1, 1D, El Salvador

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Las Flores, Colinas, Serv Nac Est T, etc.

ISC/JB 13 15:07:33.5±0.7, 2:64N:0:09-190:12E:0:06, h10km, mb3.9/8, MS3.1/2, Error ellipse: s-maj=13.4km

IDC 13 15:07:34.6±1.5, 2:76N-90:19E, h0km, mb3.8/6, ml3.3/8, mb1mx3.6/3, mbtmp3.8/9, ML3.6/3, MS3.0/2, Msl 3.0, ms1mx2.5/6.0, Error ellipse: s-maj=38.5km s-min=22.2km az=34.0

NEIC 13 15:07:36.2±4.5, 2:71N-90:11E, h1km, mb28km, mb4.0/3, Error ellipse: s-maj=15.0km s-min=9.3km az=209.0

DJA 13 15:07:48.4±1.1, 3°N:6°S:9°1E, h10km, M4.5/6, mb4.9/2, mb4.6/6, MLV4.5/6, Mw(mB)4.1/2

ISC 13 15:07:35.3±0.9, 2:6N:0:1:90:25E:0:06, h10km, n39, ±251/35, mb3.9/8, Off coast of northern Sumatra

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Banda Aceh, Prapat, Gunungsitoli, etc.

comp=Z,15nm,21.7s,baz=14,slow=36

GUC 13 15:32:7.0±6.3, 35:42S:73:33W, h20km, 19km, ML3.8, 2C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Hualae, Las Melosas, Cerro Calan, etc.

ISC/JB 13 15:19:49.0±0.6, 11:99N:0:06-88:50W:0:04, h33km, mb4.2/21, MS3.6/16, Error ellipse: s-maj=9.3km

CASC 13 15:19:48.4±1.8, 12:01N:88:53W, h18km, 28km, MD4.6, ML3.6, mb4.3(NEIC)

IDC 13 15:19:49.3±1.5, 12:85N:87:87W, h0km, mb3.9/5, mb1.4/2.7, mb1mx3.8/4.4, mbtmp3.9/7, ML3.6/2, MS3.6/16, Msl 3.6/16, ms1mx3.6/16, ms1mx3.4/1, Error ellipse: s-maj=78.9km s-min=20.0km az=5.0

NEIC 13 15:19:53.2±1.0, 12:31N:88:28W, h41km, 9km, mb4.3/19, Error ellipse: s-maj=16.1km s-min=7.3km az=211.0

ISC 13 15:19:51.4±0.8, 12:14N:0:07-88:41W:0:05, h33km, n73, ±107/63, mb4.3/21, MS3.7/16, Off coast of central America

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Cosiguina Volc, La Ca-ada, San Miguel, etc.

ISC/JB 13 15:21:55.6±0.9, 38:92N-41:40E, h3km, ML2.6/5

ISC/JB 13 15:21:56.6±0.5, 38:93N:0:04-41:41E:0:03, h7km, 5km, Error ellipse: s-maj=6.3km s-min=4.3km az=4.1

DDA 13 15:21:56.8±0.9, 38:93N-41:39E, h7km, ML2.7

ISC 13 15:21:56.6±0.9, 38:93N:0:04-41:40E:0:03, h16km, 7km, n16, ±0:72/23, Turkey

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like BINGOL, Varto-Mus, Bingöl, etc.

VAE Valguarnera 92.64 51 LR 16 09 09.7

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like NRIK, HHC, LZH, CMAR.

ISC/JB 13 15:20:13.0±1.9, 21:94S:0:07-70:56W:0:08, h13km, 18km, Error ellipse: s-maj=13.2km s-min=4.9km az=20.4

GUC 13 15:20:15.1±0.6, 21:96S:70:43W, h30km, 6km, ML3.8

SJA 13 15:20:16.1±1.0, 22:14S:70:41W, h10km, ML3.3, MW2.9

ISC 13 15:20:13.7±1.7, 21:95S:0:04-70:52W:0:08, h24km, 14km, n13, ±0:43/21, 8D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like IPOC Station P, IPOC Station P, etc.

ISK 13 15:21:55.6±0.9, 38:92N-41:40E, h3km, ML2.6/5

ISC/JB 13 15:21:56.6±0.5, 38:93N:0:04-41:41E:0:03, h7km, 5km, Error ellipse: s-maj=6.3km s-min=4.3km az=4.1

DDA 13 15:21:56.8±0.9, 38:93N-41:39E, h7km, ML2.7

ISC 13 15:21:56.6±0.9, 38:93N:0:04-41:40E:0:03, h16km, 7km, n16, ±0:72/23, Turkey

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like BINGOL, Varto-Mus, Bingöl, etc.

DDA 13 15:30:01.6±1:27N-39:08E, h8km, ML2.9

ISC 13 15:30:03.6±1:12N-39:16E, h5km, 11km, ML2.6/6

ISC 13 15:30:01.7±1.4, 1:26N:0:09-39:11E:0:03, h6km, 12km, n13, ±0:82/18, Turkey

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like Espiye-Giresun, Trabzon, Giresun, etc.

ISC/JB 13 15:46:34.2±0.6, 51:39N:0:04-90:12E:0:06, h10km, Error ellipse: s-maj=6.3km s-min=4.4km az=139.4

MOS 13 15:46:36.6±3.3, 51:36N:90:24E, h4km, mb4.4/1, Error ellipse: s-maj=13.0km s-min=12.0km az=122.8

NNC 13 15:46:36.3±7.7, 50:97N:90:32E, h0km, mb4.1, mpv3.9, Error ellipse: s-maj=72.2km s-min=50.2km az=58.0

ASRS 13 15:46:36.6±1.0, 51:38N:90:24E, h15km, Ms3.3/3

ISC 13 15:46:35.8±0.9, 51:35N:0:06-90:29E:0:04, h10km, n26, ±184/32, 5C-3D, Southwest Siberia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists stations like CERR, AKAR, TASR, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Ust-Kan, Zalesovo Beam, Novosibirsk, Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Ketmen, Podgornoye, Uzynbulak, etc.

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Pinotepa, Tlapa, Acapulco, etc.

ISN 13 16:47:44.5s.1.3, 37.38N, 42.61E, h0km, 868km, ML2.9
DDA 13 16:47:49.7, 37.34N, 42.63E, h5km, ML2.9
ISK 13 16:47:49.8, 37.27N, 42.53E, h5km, ML2.9/5
ISC 13 16:47:50.0, 1.3, 37.29N, 0.05, 42.65E, 0.03, h5km, 11km, n16, c170/27, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Sirt, Cukurca, Hakkar, etc.

SJA 13 15:59:33.8, 0.7, 35.53S, 73.54W, h23km, 19km, ML3.8, MW4.3

ISCJB 13 15:59:38.3, 1.5, 35.58S, 0.04, 73.1W, 0.1, h24km, 12km, Error ellipse: s-maj=15.0km s-min=6.0km az=17.0

GUC 13 15:59:38.8, 0.5, 35.57S, 73.11W, h36km, ML4.1
ISC 13 15:59:36.8, 2.9, 35.59S, 0.04, 73.1W, 0.1, h11km, 17km, n20, c178/28, 6C, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Hualaeo, San Pedro de C, Chillan, etc.

IDC 13 16:06:02.9, 1.8, 17.68S, 178.47W, h526km, 19km, mb3.5/12, mb1 3.6/14, mb1mx3.3/47, mbtmp4.4/14, Error ellipse: s-maj=28.8km s-min=14.1km az=156.0

ISCJB 13 16:06:03.7, 1.0, 17.6S, 0.2, 178.5W, 0.1, h547km, mb4.0/12, Error ellipse: s-maj=32.7km s-min=13.0km az=158.4

ISC 13 16:06:04.2, 1.0, 17.7S, 0.2, 178.4W, 0.1, h547km, n18, c192/20, mb3.9/12, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Afiamalu, Mont Dzumac, Charters Tower, etc.

IDC 13 16:32:15.8, 1.4, 41.74N, 81.89E, h0km, mb3.7/5, mb1 3.7/11, mb1mx3.5/73, mbtmp3.7/11, ML3.4/6, MS3.1/2, Ms1 3.1/2, ms1mx2.4/66, Error ellipse: s-maj=23.0km s-min=19.4km az=174.0

SOME 13 16:32:21.8, 42.08N, 81.88E, h20km, BUI 13 16:32:22.6, 42.10N, 81.74E, h10km, ML3.8/9, NNC 13 16:32:23.9, 1.6, 42.21N, 81.77E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=12.7km s-min=7.2km az=151.0

ISC 13 16:32:18.3, 1.6, 41.80N, 0.05, 81.64E, 0.05, h11km, 11km, n39, c176/58, mb3.6/5, 13C-11D, Southern Xinjiang

MEX 13 16:47:36.5, 0.6, 16.35N, 98.30W, h1km, MD3.6, Near coast of Guerrero

IDC 13 16:58:41.4, 2.5, 14.19N, 92.71W, h0km, mb3.8/2, mb1 4.1/4, mb1mx3.6/46, mbtmp3.8/4, ML3.2, MS3.3/3, Ms1 3.3/3, ms1mx2.7/45, Error ellipse: s-maj=130.9km s-min=27.2km az=50.0

ISCJB 13 16:58:45.9, 0.9, 14.41N, 0.08, 93.06W, 0.09, h10km, mb3.9/4, MS3.3/3, Error ellipse: s-maj=14.7km s-min=8.3km az=143.6

MEX 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, 151km, MD4.1
NEIC 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, mb4.3/6, MD4.1(MEX), After MEX.

ISC 13 16:58:47.7, 1.1, 14.5N, 0.1, 92.92W, 0.10, h10km, n28, c204/26, mb4.0/4, MS3.2/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Chukasky, KST, KSH, etc.

IDC 13 16:58:41.4, 2.5, 14.19N, 92.71W, h0km, mb3.8/2, mb1 4.1/4, mb1mx3.6/46, mbtmp3.8/4, ML3.2, MS3.3/3, Ms1 3.3/3, ms1mx2.7/45, Error ellipse: s-maj=130.9km s-min=27.2km az=50.0

ISCJB 13 16:58:45.9, 0.9, 14.41N, 0.08, 93.06W, 0.09, h10km, mb3.9/4, MS3.3/3, Error ellipse: s-maj=14.7km s-min=8.3km az=143.6

MEX 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, 151km, MD4.1
NEIC 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, mb4.3/6, MD4.1(MEX), After MEX.

ISC 13 16:58:47.7, 1.1, 14.5N, 0.1, 92.92W, 0.10, h10km, n28, c204/26, mb4.0/4, MS3.2/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like PCIG, Comitan, Matias Romero, etc.

IDC 13 17:39:39.5, 0.7, 20.2S, 0.1, 177.5W, 0.1, h500km, mb3.7/14, Error ellipse: s-maj=22.3km s-min=10.7km az=140.1

IDC 13 17:39:39.2, 2.0, 20.27S, 177.54W, h486km, 24km, mb3.5/14, mb1 3.7/16, mb1mx3.5/48, mbtmp4.3/16, Error ellipse: s-maj=23.7km s-min=13.9km az=144.0

ISC 13 17:39:40.2, 0.8, 20.2S, 0.2, 177.5W, 0.1, h500km, n27, c194/27, mb3.8/14, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Afiamalu, DZM, URZ, etc.

IDC 13 16:58:41.4, 2.5, 14.19N, 92.71W, h0km, mb3.8/2, mb1 4.1/4, mb1mx3.6/46, mbtmp3.8/4, ML3.2, MS3.3/3, Ms1 3.3/3, ms1mx2.7/45, Error ellipse: s-maj=130.9km s-min=27.2km az=50.0

ISCJB 13 16:58:45.9, 0.9, 14.41N, 0.08, 93.06W, 0.09, h10km, mb3.9/4, MS3.3/3, Error ellipse: s-maj=14.7km s-min=8.3km az=143.6

MEX 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, 151km, MD4.1
NEIC 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, mb4.3/6, MD4.1(MEX), After MEX.

ISC 13 16:58:47.7, 1.1, 14.5N, 0.1, 92.92W, 0.10, h10km, n28, c204/26, mb4.0/4, MS3.2/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like PCIG, Comitan, Matias Romero, etc.

IDC 13 16:58:41.4, 2.5, 14.19N, 92.71W, h0km, mb3.8/2, mb1 4.1/4, mb1mx3.6/46, mbtmp3.8/4, ML3.2, MS3.3/3, Ms1 3.3/3, ms1mx2.7/45, Error ellipse: s-maj=130.9km s-min=27.2km az=50.0

ISCJB 13 16:58:45.9, 0.9, 14.41N, 0.08, 93.06W, 0.09, h10km, mb3.9/4, MS3.3/3, Error ellipse: s-maj=14.7km s-min=8.3km az=143.6

MEX 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, 151km, MD4.1
NEIC 13 16:58:47.2, 0.6, 14.30N, 92.94W, h10km, mb4.3/6, MD4.1(MEX), After MEX.

ISC 13 16:58:47.7, 1.1, 14.5N, 0.1, 92.92W, 0.10, h10km, n28, c204/26, mb4.0/4, MS3.2/3, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like AFI, DZM, URZ, etc.

IDC 13 17:39:39.5, 0.7, 20.2S, 0.1, 177.5W, 0.1, h500km, mb3.7/14, Error ellipse: s-maj=22.3km s-min=10.7km az=140.1

IDC 13 17:39:39.2, 2.0, 20.27S, 177.54W, h486km, 24km, mb3.5/14, mb1 3.7/16, mb1mx3.5/48, mbtmp4.3/16, Error ellipse: s-maj=23.7km s-min=13.9km az=144.0

ISC 13 17:39:40.2, 0.8, 20.2S, 0.2, 177.5W, 0.1, h500km, n27, c194/27, mb3.8/14, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like AFI, DZM, URZ, etc.

13d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like ILAR Eielson Array, PDAR Pinedale Array, CMAR Chiang Mai Arr, etc.

SJA 13 17:56:00.8±0.7,31.43S;68.61W,h114km,2km,ML3.3,MW3.3

ISCJB 13 17:56:01.1±0.8,31.40S;0.04-68.62W,0.05,h117km,7km, Error ellipse: s-maj=6.6km s-min=6.5km az=164.8

GUC 13 17:56:01.2±0.5,31.38S;68.75W,h100km,ML3.1

ISC 13 17:56:01.9±1.4,31.40S;0.04-68.65W,0.05,h112km,9km,n15,c#66/27,San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like RTLL Cerro Villicun, RTCV Cerro Valdivia, AMOG MOGNA, etc.

CASC 13 17:58:23.8±1.9,11.88N;86.80W,h68km,13km,MD4.0,ML3.4,2D,Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like COPN Copaltepe, CRUN El Crucero, MOMN Motomombo, etc.

KRSC 13 18:04:41.1±1.6,5.002N;155.39E,h247km,9km,ML3.7,Kurii Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SKR Severo-Kurii's, SKR Kurii, KDTR Khodutka, etc.

MAN 13 18:12:42.7±9.92N;123.07E,h32km,mb4.1,ML2.9,MS2.5,1C,Negros

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like SNPH Sibulan, SNPH Jordan, GUIM Guim, etc.

TRN 13 18:35:04.0,15.27N;61.22W,h147km,MD3.5,1C,Leeward Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like DLPL La Plaine, DLPL Barber's Block, BBL Barber's Block, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like BBL MDPO, MDPO MDPV, MDPV Fort de France, etc.

AZER 13 18:40:01.9±0.1,38.21N;46.55E,h9km,m3.5/19, Error ellipse: s-maj=4.6km s-min=1.1km az=34.0

TEH 13 18:40:05.4,38.42N;46.66E,h12km,ML3.4

ISS 13 18:41:03.8,38.58N;46.01E,h13km,MD3.6

DDA 13 18:40:05.7±1.0,38.41N;0.02-46.62E,0.02,h9km,10km,n37,r#188/65,8C-15D,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like IHRH Heris, ITBZ Tabriz, ORD Ordubad, etc.

MAKU Maku, HYR Heyderabad, BRDA Brd, ZRD Zardab, ZRD Candiran, CLDR CLDR, GANJ Ganja, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like GANJ Kurdemir, KDMR KDMR, ZNB Zanján, etc.

NNC 13 19:05:04.0±7.0,35.09N;71.77E,h0km,mb3.7,mpv3.3,4C-20, Error ellipse: s-maj=84.6km s-min=50.6km, az=110.0, Pakistan

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

SOME 13 18:40:35.9,43.22N;85.03E,h15km

NNC 13 18:40:37.8±9.6,43.54N;85.73E,h0km,mb3.2,mpv2.8, Error ellipse: s-maj=74.4km s-min=38.0km az=123.0

ISC 13 18:40:35.3±3.7,43.11N;0.1-84.9E,0.1,h10km,n7,c#249/12,2C-4D,Northern Xinjiang

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like MK31 0.4nm,0.4s,baz=145,slow=16, MAK2 Makanchi, etc.

NIED 13 18:41:00.36±20N,141.10E,h20km,Mw4.1 Best double couple: M1.3500x10^15 N1.35±29.0000°,δ31.0000°, λ-79.0000°. NP2:α=197.0000°,β60.0000°, γ-96.0000°

IDC 13 18:41:19.6±0.8,36.29N;141.14E,h0km,mb3.7/9, mb1.3/8.13,mb1mx3/7.60,mbmp3/8.13,ML3.5/3,MS2.9/7, Ms1.9/2.7, Error ellipse: s-maj=19.7km s-min=18.1km az=91.0

ISCJB 13 18:41:22.8±0.7,36.26N;0.03±141.09E,0.06,h35km,7km,mb3.5/9,MS3.1/2, Error ellipse: s-maj=8.0km s-min=5.0km az=6.3

JMA 13 18:41:23.1±0.1,36.22N;141.05E,h41km,2km,M3.6

ISC 13 18:41:22.1±1.6,36.28N;0.04±141.11E,0.06,h18km,5km,n34,c#199/34,mb3.7/9,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like JHYU Hitachinakyam, JHO Hitachi, JHU Itakohorinouch, etc.

WAKE ISLAND Hy 27.99 119 T, WAKE ISLAND Hy 27.99 119 T, WAKE ISLAND Hy 27.99 119 T, etc.

WAKE ISLAND Hy 27.99 119 T, WAKE ISLAND Hy 27.99 119 T, WAKE ISLAND Hy 27.99 119 T, etc.

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13d 20h

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, P, G, S, X, Y, Z, etc. Includes stations like Chirah Chowk, Cherat, Thammie Wali, etc.

Table with columns: PDGK, Podgornoye, Time, Res, P, G, S, X, Y, Z, etc. Includes stations like Podgornoye, Baital, Piuthan, etc.

Table with columns: BWNR, Bhubaneswar, Time, Res, P, G, S, X, Y, Z, etc. Includes stations like Bhubaneswar, Minazif, UOSS, etc.

ZEI	comp=Z,503nm,11.0s	24.46 298	eP	P	20 38 16.3 +0.5
ZEI	comp=Z,15nm,0.4s		pmax	pmax	
LZH	Lanzhou	24.54 78	↑P	S	20 38 17.1 +0.6
LZH			S	P	20 42 29.4 -6.2
LZH	comp=Z,160nm,1.2s		pmax	pmax	
LZH	comp=Z,1µm,4.1s		LR	LR	
LZH	comp=Z,3µm,12.1s		LR	LR	
LZH	comp=Z,1µm,12.5s		LR	LR	
LZH	comp=Z,2µm,15.7s		LR	LR	
AKH	Akhalkalaki	24.59 295	eP	P	20 38 19.5 +2.6
AKH	Akhalkalaki	24.59 295	eP	P	20 38 19.5 +2.6
AKH	comp=Z,63nm,1.0s		pmax	pmax	
NCK	Nalchik	24.80 299	iP	P	20 38 19.2 +0.6
NCK	comp=Z,21nm,0.9s		pmax	pmax	
KBZ	Khabaz	25.34 300	P	P	20 38 23.5 +0.1
KBZ	comp=Z,8.3nm,1.1s,baz=96,slow=12,SNR=4.8		S	S	20 43 01.7 +1.4
NEY	Neytrino	25.39 299	iP	P	20 38 25.6 +1.5
NEY	comp=Z,7.0nm,1.3s		pmax	pmax	
CD2	Chengdu	25.49 90	↑P	P	20 38 25.6 +0.5
CD2			pP	sP	20 38 25.4 +1.4
CD2			sP	pP	20 38 40.0 +6.7
CD2			PcP	PcP	20 41 56.4 +0.1
CD2			S	S	20 42 51.3 +0.6
CD2	comp=Z,80nm,0.5s		pmax	pmax	
CD2	comp=Z,380nm,5.8s		LR	LR	
CD2	comp=Z,1µm,13.5s		LR	LR	
CD2	comp=Z,870nm,8.2s		LR	LR	
GOF	Gofitskoye	25.50 303	eP	P	20 38 25.6 +0.6
GOF	comp=Z,90nm,1.2s		pmax	pmax	
KVAR	Kislovodsk Arr	25.52 300	P	P	20 38 26.8 +1.5
KVAR	comp=Z,6.0nm,0.7s,baz=111,slow=15,SNR=4.7		LR	LR	20 50 45.7
KIV	Kislovodsk	25.53 300	eP	P	20 38 25.6 +0.3
KIV	comp=Z,665nm,19.8s,baz=66,slow=42		P	P	20 38 25.3 -0.1
KIV	Kislovodsk	25.53 300	iP	P	20 38 25.4 +0.1
KIV	Kislovodsk	25.53 300	ePPP	PPP	20 39 08.9
KIV			eSS	SnSn	20 42 51.6 +0.4
KIV			pmax	pmax	20 43 48.6 +3.3
KIV	comp=Z,16nm,1.7s		MLR	MLR	
KIV	comp=Z,651nm,20.0s		MLR	MLR	
MHO	Mondy	25.83 41	eP	P	20 38 29.3 +1.3
MHO	comp=Z,130nm,1.7s		pmax	pmax	
TRD	Trivadrum	26.36 173	eP	P	20 38 34.5 +1.6
ZAK	Zakamensk	26.52 45	eP	P	20 38 34.5 +0.2
ZAK	comp=Z,71nm,1.1s		pmax	pmax	
KMI	Kunming	26.86 103	P	P	20 38 37.4 -0.3
KMI			pP	pP	20 38 46.4 +0.5
KMI			sP	sP	20 38 50.6 +1.2
KMI			S	S	20 43 13.5 +0.7
KMI			sS	sS	20 43 28.3 +1.9
KMI	comp=Z,31nm,0.5s		pmax	pmax	
KMI	comp=Z,210nm,3.1s		LR	LR	
KMI	comp=Z,500nm,9.7s		LR	LR	
KMI	comp=Z,590nm,11.0s		LR	LR	
RAYN	Ar Rayn	26.99 253	eP	P	20 38 38.7 0.0
RAYN	comp=Z,19nm,0.9s		pmax	pmax	
RAYN	Ar Rayn	26.99 253	iP	P	20 38 38.0 -0.7
RAYN	SNR=15		pmax	pmax	
RAYN	Ar Rayn	26.99 253	eP	P	20 38 38.7 0.0
RAYN			pmax	pmax	
TLY	Talaya	27.29 43	eP	P	20 38 42.5 +1.5
TLY	comp=Z,19nm,0.9s		pmax	pmax	
TLY	Talaya	27.29 43	P	P	20 38 42.5 +1.5
TLY	comp=Z,36nm,0.9s		pmax	pmax	
TLY	Talaya	27.29 43	eP	P	20 38 42.6 +1.5
TLY	SNR=19		eS	S	20 43 18.8 +0.2
TLY			pmax	pmax	
TLY	comp=Z,27nm,0.7s		MLR	MLR	
CHTO	Chiang Mai	27.48 119	eP	P	20 38 42.5 -0.6
CHTO	comp=Z,356nm,19.0s		pmax	pmax	
CHTO	Chiang Mai	27.48 119	eP	P	20 38 42.5 -0.6
CHTO	comp=Z,65nm,1.0s		pmax	pmax	
CHTO	Chiang Mai	27.48 119	P	P	20 38 43.3 +0.2
CHTO	comp=Z,241nm,1.3s,comp=Z,3µm		P	P	20 38 43.2 +0.1
CMMT	Chiang Mai	27.49 119	P	P	20 38 44.2 +0.6
CMMT	comp=Z,54nm,1.3s,comp=Z,642nm		P	P	20 38 44.1 +0.9
SONM	Songino Array	27.55 52	P	P	20 41 02.8 +0.9
SONM	comp=Z,42nm,0.8s,baz=250,slow=9		PcP	PcP	20 51 22.2
SONM	comp=Z,4.4nm,0.9s,baz=248,slow=1.6,SNR=4.6		LR	LR	20 51 22.2
SONM	Songino Array	27.55 52	eP	P	20 38 43.9 +0.2
SONM	comp=Z,709nm,18.1s,baz=250,slow=40		P	P	20 38 44.8 +0.9
SOC	Sochi	27.60 299	eP	P	20 43 27.0 +3.3
SOC	comp=Z,65nm,1.0s		eS	S	20 44 37.6 +1.9
SOC			eSS	SnSn	
SOC	comp=Z,1.0nm,0.7s		pmax	pmax	
SOC			MLR	MLR	
CM31	Chiang Mai Arr	27.71 120	eP	P	20 38 46.2 +1.0
CM31	comp=Z,20nm,14.0s		P	P	20 38 46.1 +1.0
CMAR	Chiang Mai Arr	27.71 120	P	P	20 38 44.6 -0.6
CMAR	comp=Z,33nm,0.9s,baz=304,slow=8.2,SNR=52		PcP	PcP	20 42 02.8 +1.1
CMAR	comp=Z,13nm,0.7s,baz=294,slow=3.9,SNR=9.7		P	P	20 43 41.7 +1.6
CMAR	comp=Z,0.9nm,0.8s,baz=290,slow=18,SNR=3.7		S	S	20 45 42.8 +2.5
CMAR	comp=Z,1.7nm,0.9s,baz=294,slow=4.5,SNR=4.2		ScP	ScP	20 49 38.1 -0.1
CM01	Chiang Mai Arr	27.75 120	eP	P	20 38 44.4 -1.0
CM01	comp=Z,0.8nm,0.8s,baz=325,slow=1.1,SNR=3.4		eP	P	20 42 02.7 +1.0
PAYA	Payao	27.81 117	eP	P	20 38 48.9 +2.9
IRK	Irkutsk	27.89 42	eP	P	20 38 46.5 +0.1
IRK	comp=Z,10nm,0.9s,comp=Z,132nm		pmax	pmax	
ULN	Ulaanbaatar	27.99 52	eP	P	20 38 47.8 +0.3
ULN	comp=Z,84nm,2.3s		P	P	20 38 48.4 +0.9
ULN	comp=Z,53nm,1.2s		P	P	20 38 47.8 +0.3
ULN	SNR=22		pmax	pmax	
ULN	Ulaanbaatar	27.99 52	eP	P	20 38 47.8 +0.3
ULN	comp=Z,53nm,1.2s		pmax	pmax	
PALK	Pallekele	28.16 165	P	P	20 38 49.1 -0.1
PALK	comp=Z,12nm,0.6s,baz=296,slow=6.7,SNR=11		LR	LR	20 49 23.3
PALK	Pallekele	28.16 165	P	P	20 38 49.1 -0.1
PALK	comp=Z,379nm,18.7s,baz=275,slow=53		pmax	pmax	
PALK	comp=Z,15nm,0.7s		MLR	MLR	
LAMP	Lampang	28.17 119	P	P	20 38 55.1 +5.9
VRH	Novokhoporsky	28.25 315	eP	S	20 38 48.7 -0.9
VRH			S	S	20 43 31.7 -2.0

VRH	comp=Z,30nm,1.0s		smax	smax	
VRH	comp=Z,60nm,1.4s		MLR	MLR	
PHRA	Phrae	28.61 118	P	P	20 38 52.7 -0.5
PHRA	comp=Z,640nm,16.0s		P	P	20 38 53.0 -1.5
NANT	Nan	28.77 117	P	P	20 38 53.0 -1.5
NANT	comp=Z,7.4nm,0.9s		P	P	20 38 56.5 +1.5
PBA	Port Blair	28.83 139	eP	P	20 38 56.0 +0.8
SUKH	Sukhothai	28.85 120	eP	P	20 38 56.3 0.0
SUKH	comp=Z,7.7nm,0.9s		pP	pP	20 39 05.9 +1.4
XAN	Xi'an	28.97 81	P	P	20 39 53.1 +4.7
XAN			PnPn	S	20 43 46.3 +0.8
XAN			P	P	
XAN			P	P	
XAN			S	S	
XAN			pmax	pmax	
XAN	comp=Z,160nm,1.4s		LR	LR	
XAN	comp=Z,700nm,18.2s		LR	LR	
XAN	comp=Z,430nm,18.2s		LR	LR	
XAN	comp=Z,400nm,9.6s		LR	LR	
BTO	Batou	29.16 68	eP	P	20 38 57.1 -0.9
UMPA	Umpang Tak	29.17 123	P	P	20 39 01.5 +3.4
UMPA	comp=Z,13nm,0.8s,comp=Z,116nm		P	P	20 38 59.5 -0.1
UTTA	Uttaradi	29.34 119	P	P	20 38 59.0 -0.7
UTTA	comp=Z,7.5nm,0.7s,comp=Z,271nm		P	P	20 38 59.0 -0.7
ANN	Anapa	29.38 301	eP	P	20 39 01.4 -0.1
ANN	comp=Z,139nm,1.3s		pmax	pmax	
ANN	comp=Z,745nm,15.0s		MLR	MLR	
GYA	Guiyang	29.45 97	iP	P	20 39 06.8 +1.1
GYA			pP	pP	20 39 58.0 +2.8
GYA			PnPn	PcP	20 42 07.9 +1.8
GYA			PcP	S	20 43 53.3 -0.1
GYA			sS	sS	20 44 10.0 +3.0
GYA			pmax	pmax	
GYA	comp=Z,30nm,0.8s		pmax	pmax	
GYA	comp=Z,140nm,5.0s		LR	LR	
GYA	comp=Z,670nm,17.0s		LR	LR	
GYA	comp=Z,650nm,17.8s		LR	LR	
GYA	comp=Z,610nm,17.2s		LR	LR	
VORD	Divnogorie	29.59 314	eP	P	20 39 02.5 -0.5
VORD	comp=Z,10.0nm,0.4s		pmax	pmax	
PHIT	Phitsanulok	29.60 120	P	P	20 39 02.9 +1.0
PHIT	comp=Z,42nm,0.9s,comp=Z,293nm		P	P	20 39 02.5 -0.5
VSR	Storozhevo	29.75 314	eP	S	20 43 57.2 -0.1
VSR	comp=Z,30nm,1.6s		pmax	pmax	
VSR	comp=E,20nm,1.0s		smax	smax	
VORR	Voronezh	29.89 315	eP	P	20 39 04.0 -0.1
VORR	comp=Z,250nm,1.2s		pmax	pmax	
UTHA	Uthaitani	30.02 123	P	P	20 39 06.8 +1.1
UTHA	comp=Z,9.8nm,0.7s,comp=Z,91nm		P	P	20 39 09.9 +1.6
HHC	Hu-ho-hao-te	30.33 67	eP	S	20 44 08.0 +1.2
HHC	comp=Z,230nm,0.9s		S	S	
HHC			pmax	pmax	
HHC	comp=Z,870nm,4.7s		LR	LR	
HHC	comp=Z,6µm,12.4s		LR	LR	
HHC	comp=Z,4µm,12.3s		LR	LR	
HHC	comp=Z,6µm,11.7s		LR	LR	
LPSR	Galich ya Gora	30.39 317	eP	P	20 39 08.4 -0.1
LPSR	comp=N,2.4nm,0.8s,baz=138,slow=4.7,SNR=3.0		eS	S	20 44 07.7 +0.5
LPSR	comp=Z,90nm,1.1s		pmax	pmax	
LPSR	comp=N,20nm,1.3s		smax	smax	
ENH	Enshi	30.40 88	eP	P	20 39 09.3 +0.3
ENH	comp=N,67nm,0.9s		P	P	20 39 09.5 +0.5
PBKT	Sadao Pong	30.41 120	eP	P	20 39 09.5 +0.5
PBKT	comp=N,20nm,1.0s		P	P	20 39 12.3 +1.0
PBKT	Sadao Pong	30.41 120	P	P	20 39 11.2 -0.5
PBKT	comp=N,1.7nm,1.2s,comp=N,1µm		P	P	20 39 39.5 -0.5
SRDT	SRDT	30.66 125	P	P	20 39 11.2 -0.5
SRDT	comp=N,31nm,0.9s,comp=N,3µm		P	P	20 39 12.3 +1.0
ASF	Jabal al Asfar	30.70 276	P	P	20 39 11.2 -0.5
ASF	comp=N,2.2nm,0.8s,baz=138,slow=4.7,SNR=3.0		PKIKP	PKIKP	20 39 11.2 -0.5
NONG	Nongkai	31.04 115	P	P	20 39 19.0 +0.9
NONG	comp=N,1.0nm,0.6s,baz=145,slow=19,SNR=2.1		P	P	20 44 25.1 +4.5
Taiyuan	Taiyuan	31.21 73	eP	S	20 39 17.0 +0.9
Taiyuan	comp=N,0.4nm,1.2s,comp=N,67nm		P	P	20 44 25.1 +4.5
Taiyuan			S	S	
Taiyuan			pmax	pmax	
Taiyuan	comp=N,29nm,0.8s		pmax	pmax	
Taiyuan	comp=N,170nm,5.6s		LR	LR	
Taiyuan	comp=N,640nm,14.8s		LR	LR	
Taiyuan	comp=N,210nm,7.4s		LR	LR	
Taiyuan	comp=N,370nm,12.6s		LR	LR	
CHAI	Chaiyaphum	31.58 119	P	P	20 39 20.0 +0.6
CHAI	comp=N,11nm,1.0s,comp=N,86nm		P	P	20 39 21.1 +0.5
MMAI	Mout Meron Ar	31.71 278	P		

Table with columns: Station, Name, Az, El, P, Max, Min, etc. Includes stations like FYU Fort Yukon, LBTB Lobatse, MDM Murphy Dome, etc.

Table with columns: Station, Name, Az, El, P, Max, Min, etc. Includes stations like TGL Tana Glacier, PCA Pinnacle, AS31 Alice Springs, etc.

Table with columns: Station, Name, Az, El, P, Max, Min, etc. Includes stations like ZAIG Zacatecas, VNA Vanda, GNSA South Pole Qu, etc.

AZER 13 20:52:00.2, 2.4, 38.49N, 46.87E, h5km, m3.5/22, Error ellipse: s-maj=3.5km s-min=0.6km az=11.0

Table with columns: Code, Station Name, Az, El, P, Max, Min, etc. Includes stations like ORD Orduubad, IHRH Heris, IHRM Heris, etc.

BUL 13 21:22:22.2, 2.13N, 91.91E, h10km, mb4.6/42, MB4.8/20, M54.2/11, M57.4/0.8

s-min=3.3km az=21.0
IDC 13 21:12:26.8,0.6,2.70N,92.11E,h0km,mb4.4/3,3
mb1.4/3/6,mb1mx4.3/6,mbmp4.4/3,6,ML4.4/3,MS3.4/2/6,
Ms1.3/4/26,ms1mx3.2/63,Error ellipse: s-maj=18.0km
s-min=12.9km az=40.0
NEIC 13 21:12:28.7,0.2,2.73N,92.07E,h10km,mb4.7/22,Error
ellipse: s-maj=6.0km s-min=3.9km az=204.0
MOS 13 21:12:29.2,0.9,2.73N,92.15E,h27km,mb4.7/41,Error
ellipse: s-maj=11.3km s-min=5.6km az=110.71,mb5.1/11,
DJA 13 21:12:29.2,0.5,3.1N,5.92E,h10km,MA.9/11,mb5.1/11,
mbs.2/6,MLV.5/0.9,MW(MB).6/6
ISC 13 21:12:29.0,0.5,92.10E,0.05,h10km,m240,
+1840/231,mb4.6/86,MS3.4/25,5C-6D,Off west coast of
northern Sumatra

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BSI Banda Aceh, SSSI Sinabang, CMBY CAMPBELL BAY, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DMN Daman, GUN Gumba, KKN Kakani, GKN Gorkha, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like OTUK Ortayay, ASAR Alice Springs, ASO1 Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ARSA Arzberg, SOKA Soboth, ARCES ARCES Array B, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DDA 13:21:14:12.6, 38:71N-43:67E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MEX 13:21:29:0.0, 14:99N-93:63W, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DDA 13:21:27:51.5, 38:71N-43:66E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SENK Senkaya-Erzuru, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like GUMO Guam, GUM0 79n0.0, 3s, baz=207, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ISJCJB 13:21:53:47.0, 4.0, 50:17N-0:03:18, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CHZP Chorzow, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MORC Moravsky Berou, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KRUC Moravsky, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PRU Pruhonice, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ISK 13:21:54:30.4, 34:45N-32:55E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MMA0B Mount Meron ar, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KRSC 13:22:18:27.0, 2.1, 49:83N-157:31E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ISK 13:22:27:56.3, 38:73N-43:07E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like VANB Van, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IDC 13:22:36:37.0, 1.7, 3:48N-125:43E, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like AZER 13:22:37:04.0, 0.0, 38:47N-46:55E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IHRH Heris, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like ITBZ Tabriz, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IAZR Azarshahr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like IASR Sarab, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like GRMI Germi, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Zanjani, ALIB, IGDI, HAKT, HAKKARI, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PKGZ, PUKETTI, PUZ, HAZ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like NOA, BRTR, HFS, HFS, TORO, EKA, etc.

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

MEX 13 23:04:52.7±0.3, 1575N:93.77W, h88km±4km, MD3.6, Near coast of Chiapas

NEIC 13 23:15:37.1±0.0, 37°55'S×179°64'W, h33km, ML4.1 (WEL), After WEL

WEL 13 23:15:39.4±1.1, 38°S×13°18'0"W±, h33km, ML4.2/13, East of North Island

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

ISCJB 13 22:46:55.1±1.1, 28°02'N:10°51'6"E:0.1, h16km, mb3.5/3, MS3.6/2, Error ellipse: s-maj=15.7km s-min=11.4km az=37.6

TEH 13 22:46:56.4, 28°23'N:51°76'E, h10km, ML3.0, IDC 13 22:46:56.1±2.7, 28°49'N:52°07'E, h0km, mb3.7/3, mb1 3.6/5, mb1mx3.2/67, mbtm3.6/5, ML3.2/2, MS3.6/2, Ms1 3.6/2, ms1mx2.5/59, Error ellipse: s-maj=139.4km s-min=30.2km az=46.0

ISC 13 22:46:56.7±1.5, 28°11'N:10°51'7"E:0.1, h16km, n14, #r12/13, mb3.7/3, Southern Iran

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

NIED 13 22:54:00.3670N:141°10'E, h8km, Mw3.3 Best double couple: Mo:1.5000×10^14 NP1≈169.0000°, δ28.0000°, λ-109.0000°. NP2≈11.0000°, δ63.0000°, λ-80.0000°

JMA 13 22:54:45.6±0.1, 36.75N:141.09E, h29km±1km, M3.7, Near east coast of eastern Honshu

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

IDC 13 23:04:17.0±0.6, 35°44'S:179°35'W, h0km, mb4.4/9, mb1 4.5/11, mb1mx3.2/42, mbtm3.4/11, ML4.1/2, MS3.8/25, Ms1 3.8/25, ms1mx3.7/41, Error ellipse: s-maj=21.8km s-min=15.8km az=143.0

ISCJB 13 23:04:19.1±0.7, 35°50'S:179°14'W:0.1, h41km, mb4.4/10, MS3.9/24, Error ellipse: s-maj=13.3km s-min=4.9km az=24.5

WEL 13 23:04:19.3±1.0, 35°S:12°17'9"W:1.4, h33km, ML4.9/16, NEIC 13 23:04:22.4±0.5, 35°46'S:179°49'W, h35km, mb4.2/1, Error ellipse: s-maj=19.2km s-min=9.9km az=122.0

ISC 13 23:04:22.4±0.6, 35°55'S:179°17'W:0.09, h41km, n94, #r149/89, mb4.4/10, MS3.9/24, East of North Island

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

ISCJB 13 22:46:56.7±1.5, 28°11'N:10°51'7"E:0.1, h16km, n14, #r12/13, mb3.7/3, Southern Iran

ISC 13 22:46:56.7±1.5, 28°11'N:10°51'7"E:0.1, h16km, n14, #r12/13, mb3.7/3, Southern Iran

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

ISCJB 13 23:02:01.8±0.6, 49°25'N:147°47'E:0.2, h548km, mb3.5/15, Error ellipse: s-maj=14.3km s-min=10.0km az=33.6

IDC 13 23:02:02.9±1.4, 49°22'N:147°37'E, h552km, 18km, mb3.0/15, mb1 3.2/18, mb1mx3.0/72, mbtm3.0/18, Error ellipse: s-maj=15.1km s-min=12.5km az=166.0

ISC 13 23:02:02.5±0.8, 49°22'N:147°47'E:0.1, h548km, n22, #r54/22, mb3.6/15, Sea of Okhotsk

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

ISCJB 13 23:02:01.8±0.6, 49°25'N:147°47'E:0.2, h548km, mb3.5/15, Error ellipse: s-maj=14.3km s-min=10.0km az=33.6

IDC 13 23:02:02.9±1.4, 49°22'N:147°37'E, h552km, 18km, mb3.0/15, mb1 3.2/18, mb1mx3.0/72, mbtm3.0/18, Error ellipse: s-maj=15.1km s-min=12.5km az=166.0

ISC 13 23:02:02.5±0.8, 49°22'N:147°47'E:0.1, h548km, n22, #r54/22, mb3.6/15, Sea of Okhotsk

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGX, WMGZ, PUZ, PKGZ, HAZ, TWGZ, CNGZ, RUGZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAK, CHMS, USP, TKM2, TKM2, GYET, GY11, MKR1, etc.

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

IDC 13:23:28.02:9.1.7, 35:99Sx179:91W, h0km, mb3.9/1, mb1 4.0/1, mb1mx3.6/9, mbmp3.9/1, MS3.32, Ms1 3.3/2, ms1mx2.7/38, Error ellipse: s-maj=76.7km s-min=53.6km bz=24.0

NEIC 13:23:28.05:1.0.0.37:62Sx179:70W, h33km, ML4.2(WEL), After WEL

WEL 13:23:28.06:1.1.8.38:54:6x18:0E:5.1, h36km, ML4.7/6

ISC 13:23:28.01:9.3.5, 37:84Sx107:179:7W:0.1, h16km, 21km, n40, i:537/50, East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMGX, WMGZ, MXZ, PKGZ, CNGZ, RUGZ, etc.

IDC 14:00:14:11.3:4.5, 5:62S:102:52E, h0km, mb3.7/4, mb1 3.8/4, mb1mx3.4/60, mbmp3.7/4, Error ellipse: s-maj=171.8km s-min=64.4km az=59.0

ISCJBJ 14:00:14:12.1:1.6, 6:05O:0.2:102:70E:0:08, h34km, mb3.7/4, Error ellipse: s-maj=23.9km s-min=10.4km az=14.8

DJA 14:00:14:15.6:0.8, 6:58S:8:10:3E, h29km, 12km, M3.5/7, MLV3.5/7

ISC 14:00:14:14.9:1.5, 5:58S:0:1:102:8E:0:1, h34km, n13, o:683/11, mb3.7/4, Southern Sumatra

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

IDC 14:00:45:49.2:8.4, 36:21N:70:35E, h205kmx23km, mb3.3/10, mb1 3.4/16, mb1mx3.2/69, mbmp3.9/16, Error ellipse: s-maj=25.7km s-min=15.1km az=159.0

ISCJBJ 14:00:45:49.0:0.2, 36:47N:0:02:70:19E:0:04, h213km, mb3.8/17, Error ellipse: s-maj=27.8km s-min=16.2km az=152.1

BUJ 14:00:45:49.5, 36:50N:70:10E, h213km, mb4.5/7, mb4.4/3

NEIC 14:00:45:51.5:0.4, 36:53N:70:10E, h213km, mb4.1/7, Error ellipse: s-maj=6.6km s-min=4.4km az=139.0

NNC 14:00:45:55.0:2.8, 36:86N:70:22E, h229kmx27km, mb3.1, mp4/4, Error ellipse: s-maj=27.8km s-min=16.2km bz=23.0

ISC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

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

IDC 14:00:07:27.8:4.8, 36:30N:71:37E, h49km, 32km, mb3.6/9, mb1 3.7/15, mb1mx3.4/71, mbmp3.8/15, ML3.8/5, MS2.8/1, Ms1 2.8/1, ms1mx2.1/66, Error ellipse: s-maj=57.5km s-min=23.0km az=146.0

NNC 14:00:07:35.8:2.2, 36:92N:70:73E, h120kmx38km, mb3.3, mpv3.8, Error ellipse: s-maj=19.4km s-min=16.1km az=158.0

ISC 14:00:07:35.0:0.7, 36:80N:0:05:70:87E:0:06, h100km, n45, o:2518/44, mb3.8/8, 7C-5D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CEP, CHCP, SFK, THW, KSH, etc.

IDC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

ISC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

ISC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

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

IDC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

ISC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

ISC 14:00:45:50.5:0.4, 36:48N:0:04:70:21E:0:05, h213km, n93, o:2504/108, mb3.8/17, 10C-3D, Hindu Kush region

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

JMA 14:01:27:38.9:0.2, 25:93N:124:98E, h118km, M3.5, Northern of Taiwan

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JIKM, JIRB, JMJJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TINTI, LBMI, ASAR, etc.

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

IDC 14 01:33:51.0, 2.0, 1.83N, 89.42E, h0km, mb3.4/4, mb1 3.6/5, mb1mx3.2/6.6, mbtmp3.5/5, ML3.8/1, MS2.8/1, Ms1 2.8/1, ms1mx2.4/4.5, Error ellipse: s-maj=66.6km s-min=28.4km az=51.0, North Indian Ocean

DJA 14 01:53:38.1, 1.1, 8.5S, 12x107E, h10km, M4.0/4, MLV4.0/4, Jawa

DJA 14 01:53:38.1, 1.1, 8.5S, 12x107E, h10km, M4.0/4, MLV4.0/4, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PSI, PALK, H0S2E, etc.

ISCJJB 14 02:06:28.3, 1.3, 3.7, 73S, 0.07, 179.69W, 0.10, h0km, 12km, mb4.3/4, MS3.6/2, Error ellipse: s-maj=14.1km s-min=9.3km az=35.0

DJA 14 02:06:28.3, 1.3, 3.7, 73S, 0.07, 179.69W, 0.10, h0km, 12km, mb4.3/4, MS3.6/2, Error ellipse: s-maj=14.1km s-min=9.3km az=35.0

ISC 14 02:06:30.4, 1.0, 3.7, 44S, 179.94W, h0km, mb4.4/4, mb1 4.4/5, mb1mx4.0/4.4, mbtmp4.3/5, ML3.6/1, MS3.8/3, Ms1 3.8/3, ms1mx3.2/4.0, Error ellipse: s-maj=38.0km s-min=27.7km az=62.0

NEIC 14 02:06:31.2, 0.0, 3.7, 55S, 179.62W, h33km, ML4.7(WEL), After WEL

ISC 14 02:06:29.5, 3.5, 37.69S, 0.08, 179.80W, 0.08, h1km, 19km, n55, r102/58, mb4.4/4, East of North Island

AZER 14 01:49:17.8, 0.5, 38.32N, 46.57E, h6km, ml3.0/17, Error ellipse: s-maj=1.6km s-min=0.6km az=30.0

Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IHRS, ITBZ, ORD, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WMGZ, MXZ, KNGZ, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ENA, ENA, ENA, etc.

DJA 14 01:52:21.4, 3.1, 1.1N, 14x126E, 2.4, h10km, M4.3/3, MLV4.3/3

NIED 14 02:06:00.23, 90N, 122.50E, h35km, Mw5.0. Best double couple: M4.050000-1016 NP1.328300000, s8.00000, 1.128, 0.00000, NP2.665.00000, 884.00000, 1.85, 0.00000

DIA 14 02:06:44.7, 0.5, 24.10N, 122.63E, h0km, mb4.6/34, mb1 4.6/37, mb1mx1.4/5.70, mbtmp4.6/37, ML3.7/3, MS4.1/26, Ms1 1.4/26, ms1mx3.9/7.8, Error ellipse: s-maj=13.5km s-min=12.8km az=112.0

IDC 14 01:52:21.7, 1.8, 1.19N, 126.54E, h0km, mb3.9/5, mb1 3.9/5, mb1mx3.6/5.0, mbtmp3.9/5, Error ellipse: s-maj=20.9km s-min=23.6km az=69.0

BUI 14 02:06:46.2, 24.03N, 122.46E, h10km, mb4.7/64, mb4.9/49, ML4.5/10, MS4.7/65, Ms7.4/758

JMA 14 02:06:47.8, 0.2, 23.91N, 122.51E, h21km, 3km, M5.1, JMA Felt 1 J

ISCJTB 14 02:06:49.4, 0.7, 23.90N, 122.56E, 0.02, h30km, 5km, n54.0, r151/619, mb4.8/190, MS4.4/41, 37C-13D, Taiwan region

Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res

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

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JYNG, JYNG, YOJ, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YOJ, YOJ, YOJ, etc.

Table with columns: Station, Name, Frequency, Class, Mode, and other parameters. Includes stations like TWS1, ELDTW, LIOB, etc.

Table with columns: Station, Name, Frequency, Class, Mode, and other parameters. Includes stations like QZH, JOW, JOW, etc.

Table with columns: Station, Name, Frequency, Class, Mode, and other parameters. Includes stations like HHC, BTO, MSHR, etc.

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NC200, NC203, NC204, etc.

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like FUORN, DAVOX, AQU, etc.

Table with columns: Station ID, Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like GRPR, LAGR, YUK, etc.

ISCJB 14 02:07:58.9-0.8, 42.54N;0.06-144.46E;0.05, h76km, 7km, Error ellipse: s-maj=10.1km s-min=4.3km az=153.7

IDC 14 02:09:14.4-9.5, 16785S;176.81W, h0km, mb4.71, ms1mx3.2/36, Error ellipse: s-maj=502.5km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAK, JAK, JOB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PPT, ASAR, ASAR, etc.

Table with columns: ARU, ARAO, ARCES, etc. containing station names, coordinates, and various technical parameters like frequency, power, and antenna type.

Table with columns: MAJO, MAJJO, MAJJO, etc. containing station names, coordinates, and various technical parameters. Includes a section for 'Kush region' with columns for Code, Station Name, Az, Phase, ID, Time, Res, etc.

Table with columns: OTUK, OTUK, MAKZ, etc. containing station names, coordinates, and various technical parameters. Includes a section for 'Kush region' with columns for Code, Station Name, Az, Phase, ID, Time, Res, etc.

14d 2h

2012 AUG

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Table with columns for station code, frequency, power, and other technical details. Includes stations like AMS, AMS, SKR, JCH, JCI, JCU, JCH, JCI, JCU, etc.

Table with columns for station code, frequency, power, and other technical details. Includes stations like SKR, JCH, JCI, JCU, PAU, PAU, PAU, etc.

Table with columns for station code, frequency, power, and other technical details. Includes stations like TUMD, TUMD, KOZ, KOZ, KOZ, etc.

KS01	Wonju Array Si	17.54 232	eP	P	03 03 08.1 -2.5
KSRS	Korea Array	17.54 232	eP	P	03 03 11.3 +0.7
KSRS	comp=E,216nm,0.3s,baz=40,slow=9.7,SNR=1650		S	S	03 06 08.1 +5.3
KSRS	baz=139,slow=4.0,SNR=1.9		P	P	03 07 16.9 +0.6
KSRS	baz=21,slow=1.8,SNR=6.2		ScP	ScP	03 09 57.4 +1.3
KSRS	comp=E,46nm,0.3s,baz=23,slow=1.0,SNR=28		ScP	ScP	03 15 07.3 -0.3
KSRS	comp=E,1.3nm,0.3s,baz=63,slow=0.4,SNR=4.7		P	P	03 37 20.4
KSRS	comp=E,0.2nm,0.3s,baz=225,slow=0.6,SNR=4.4		P	P	03 45 50.5
KS15	Wonju Array Si	17.57 232	eP	P	03 03 11.1 +0.2
KS15	Wonju Array Be	17.57 232	eP	P	03 06 08.1 +4.8
KSAR	Wonju Array Be	17.57 232	eP	P	03 03 11.3 +0.5
KSAR	Wonju Array Be	17.57 232	eP	P	03 03 11.4 +0.5
JWZ	Kozaga	17.07 207	P	P	03 03 12.3 +0.2
JWZ	Inchon	18.19 235	eP	P	03 06 05.3 -0.1
INCN	Inchon	18.19 235	eP	P	03 03 16.7 +0.1
INCN	Inchon	18.19 235	eP	P	03 06 14.8 +1.4
INCN	Inchon	18.19 235	eP	P	03 03 16.8 +0.1
INCN	Inchon	18.19 235	eP	P	03 03 16.7 +0.1
INCN	Inchon	18.19 235	eP	P	03 06 14.8 +1.4
SMY	Shemya	18.22 70	eP	P	03 03 17.4 +0.9
SMY	Shemya	18.22 70	eP	P	03 05 35.9 -6.1
SMY	Taejon	18.22 70	eP	P	03 03 17.4 +0.9
TJN	Tsushima	18.22 70	eP	P	03 03 21.1 +0.3
JTU	Tsushima	19.19 224	P	P	03 03 25.6 0.0
JTU	Tsushima	19.19 224	P	P	03 06 25.1 -4.3
JTO	Tsushima	19.19 224	P	P	03 03 27.2 +0.8
JTO	Tsushima	19.19 224	P	P	03 06 25.1 -4.2
JNU	Nakatsue	19.77 218	P	P	03 03 31.2 +0.3
JNU	comp=Z,433nm,0.3s,baz=14,slow=2.4,SNR=225		P	P	03 06 35.5 -3.2
JNU	comp=Z,17nm,0.3s,baz=69,slow=14,SNR=1.5		ScP	ScP	03 10 02.9 +1.7
JNU	comp=Z,7.6nm,0.3s,baz=78,slow=3.3,SNR=3.7		ScS	ScS	03 13 43.8 -0.5
JNU	comp=Z,0.5nm,0.3s,baz=270,slow=20,SNR=4.5		ScS	ScS	03 45 59.5
JNU	comp=Z,0.5nm,0.3s,baz=51,slow=8.0,SNR=8.4		P	P	03 03 31.2 +0.3
JNU	Nakatsue	19.77 218	eP	P	03 06 35.5 -3.2
JNU	comp=Z,5um,0.8s		eS	S	03 06 35.5 -3.2
JNU	comp=Z,5um,0.8s		eS	ScP	03 10 02.9 +1.7
DL2	Dalian	20.02 246	lP	P	03 03 32.6 -0.5
DL2	Dalian	20.02 246	lP	P	03 06 04.8 +2.8
DL2	Dalian	20.02 246	lP	P	03 06 04.8 -1.7
DL2	Dalian	20.02 246	lP	P	03 10 02.8 +1.2
DL2	Dalian	20.02 246	lP	P	03 13 46.5 +1.6
DL2	comp=Z,3um,0.8s		P	P	03 03 31.2 +0.3
DL2	comp=Z,41um,7.2s		P	P	03 03 31.6 -1.3
BOD	Bodaibo	20.03 306	eP	P	03 03 31.6 -1.3
BOD	comp=Z,16um,1.2s		P	P	03 03 33.3 -0.2
CIT	Chita	20.08 289	iP	P	03 06 41.8 -1.4
CIT	Chita	20.08 289	iP	P	03 03 33.3 -0.2
CIT	Chita	20.08 289	iP	P	03 06 41.8 -1.4
JSJ	Shimokoshiki	21.50 219	P	P	03 03 46.6 +0.1
BJI	Beijing	22.68 256	lP	P	03 03 56.5 -0.3
BJI	Beijing	22.68 256	lP	P	03 06 35.4 +4.1
BJI	Beijing	22.68 256	lP	P	03 07 27.0 +2.7
BJI	Beijing	22.68 256	lP	P	03 13 52.8 -1.9
BJT	Baijiatatau	22.70 256	eP	P	03 03 56.4 -0.6
BJT	Baijiatatau	22.70 256	eP	P	03 03 56.4 -0.6
CBJ	Chichi jima	22.75 187	eP	P	03 03 57.0 -0.7
CBJ	Chichi jima	22.75 187	eP	P	03 07 28.4 +2.7
CBJ	Chichi jima	22.75 187	eP	P	03 07 28.4 +2.7
JCJ	Chichijima	22.75 187	P	P	03 03 57.0 -0.7
JCJ	Chichijima	22.75 187	P	P	03 07 28.4 +2.7
JCJ	Chichijima	22.75 187	P	P	03 07 28.4 +2.7
JCJ	Chichijima	22.75 187	P	P	03 07 28.4 +2.7
ADK	Adak	23.93 70	eP	P	03 04 07.0 -0.8
ADK	Adak	23.93 70	eP	P	03 04 07.0 -0.8
ADK	Tai'an	24.49 247	P	P	03 04 12.5 -0.4
TIA	Tai'an	24.49 247	P	P	03 06 59.8 +8.9
TIA	Tai'an	24.49 247	P	P	03 06 59.8 +8.9
TIA	Tai'an	24.49 247	P	P	03 06 59.8 +8.9
TIA	Tai'an	24.49 247	P	P	03 06 59.8 +8.9
JAMN	Amaminishikomi	24.77 216	P	P	03 04 14.1 -1.3
ULN	Ulaanbaatar	25.09 280	eP	P	03 04 17.2 -1.0
ULN	Ulaanbaatar	25.09 280	eP	P	03 04 18.0 -0.2
ULN	Ulaanbaatar	25.09 280	eP	P	03 04 18.0 -0.2
ULN	Ulaanbaatar	25.09 280	eP	P	03 04 18.0 -0.2
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 04 18.8 -0.2
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 06 59.8 +1.4
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 08 06.5 -1.1
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 14 06.9 +1.7
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 14 06.9 +1.7
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 14 06.9 +1.7
HHC	Hu-ho-hao-te	25.17 262	eP	P	03 14 06.9 +1.7
SONA1	Songino Array	25.50 281	eP	P	03 04 19.6 -2.3
SONA1	Songino Array	25.50 281	eP	P	03 04 21.7 -0.3
SONA1	Songino Array	25.50 281	eP	P	03 08 12.5 +3.6
SONA1	Songino Array	25.50 281	eP	P	03 10 16.4 +0.1
SONA1	Songino Array	25.50 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array	25.52 281	eP	P	03 10 16.4 +0.1
SONM	Songino Array	25.52 281	eP	P	03 04 21.7 -0.3
SONM	Songino Array	25.52 281	eP	P	03 08 12.5 +3.6
SONM	Songino Array				

Table with columns for station name, frequency, mode, and signal strength. Includes stations like MUD, TUTA, HOMI, BLG, PALK, EDW2, SIM, BEL, GKP, SORM, DECC, ERZM, GSC, ADCV, EKAR, YOVA, RSSD, AR3A, LVV, MSU, GEVA, BFSC, FMP, TUQ, YRTB, CIS, KIS, NRS, HEC, BIGH, SRU, SC12, MLA1, BBRC, LCMT, KWP, KWA, KWB, KWC, KWD, KWE, KWF, KWG, KWH, KWI, KWK, KWL, KWM, KWN, KWO, KWP, KWR, KWS, KWT, KWW, KWX, KWY, KWZ.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KWP, KWA, KWB, KWC, KWD, KWE, KWF, KWG, KWH, KWI, KWK, KWL, KWM, KWN, KWO, KWP, KWR, KWS, KWT, KWW, KWX, KWY, KWZ, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

Table with columns for station name, frequency, mode, and signal strength. Includes stations like KSP, KSA, KSB, KSC, KSD, KSE, KSF, KSG, KSH, KSI, KSJ, KSK, KSL, KSM, KSN, KSO, KSP, KSR, KSS, KST, KSU, KSV, KSW, KSX, KSY, KSZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UV, UW, UX, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

CLL	esS	sS	03 22 12.0	+6.2	
CLL	eSS	SS	03 23 18.0	-3.5	
CLL	eSSmax		03 24 12.0		
CLL	eSSS	SSS	03 26 48.0		
CLL	eSSSmax		03 28 00.0		
CLL	eSSS		03 29 42.0		
CLL	ePKPPKPB	P'P'bc	03 37 42.0	-3.6	
CLL	comp=Z,516nm,1.8s	iPKPPKPB	03 37 51.9		
CLL	comp=Z,496nm,1.7s	epPKPPKPB	03 39 50.0		
CLL		eSKPPKPB	03 40 27.0		
CLL		e3PKPPdf	03 47 30.0		
CLL	Colim	71.43 331	iP	P	03 10 00.0 -1
CLL		ePP	03 12 01.0	+0.9	
CLL		eS	03 18 30.0	-1.8	
CLL		i	03 19 05.8		
CLL		imax	pmax		
WUAZ	Wupatki	71.44 57	eP	P	03 10 02.1 +1.4
WUAZ	Wupatki	71.44 57	P	P	03 10 02.1 +1.4
EAB	Aberfoyle	71.45 343	iP	P	03 09 59.9 -0.2
EDI	Edinburgh	71.47 342	iAmb	IAMB	03 09 59.9 -0.4
EDI					03 10 02.0
EFOR	EFORIE	71.47 317	iP	P	03 10 01.0 +0.5
CJR	Cluj-Napoca	71.48 322	iP	P	03 10 01.1 +0.6
CJR	Cluj-Napoca	71.48 322	iP	P	03 10 01.1 +0.6
ILGA	Ilgaz	71.49 312	eP	P	03 10 02.0 +1.0
JMDO	Jabal Madar	71.50 283	P	P	03 10 01.3 +0.3
BRG	Bergliesshubel	71.50 330	iP	P	03 10 00.4 -0.1
BRG	comp=Z,1um,1.2s	i			03 10 11.8
BRG	BRG		pP	pP	03 12 05.0 +4.4
BRG	BRG		iPP	iPP	03 12 48.9 -0.4
BRG	BRG		sP	sP	03 13 07.0 +5.3
BRG	BRG		S	S	03 18 33.0 +0.4
BRG	BRG		ePKPPKPB	P'P'df	03 23 17.1 -3.6
BRG	BRG		comp=Z,578nm,1.9s		
BRG	BRG		comp=N,80um,18.1s		
BRG	BRG		comp=E,30um,22.2s		
BRG	BRG		comp=Z,5um,1.64s		
BRG	Bergliesshubel	71.50 330	iP	P	03 10 00.4 -0.1
BRG			i		03 10 11.8
BRG			*PP	pP	03 12 05.0 +4.4
BRG			i		03 12 48.9 -0.4
BRG			s	S	03 18 33.0 +0.4
BRG			imax	pmax	
BRG			MLR	MLR	
BRG			comp=N,80um,18.1s		
BRG			comp=E,30um,22.2s		
BRG			MLR	MLR	
MLR	Muntele Rosu	71.50 320	P	P	03 10 00.9 +0.1
MLR	comp=Z,864nm,0.6s,baz=162,slow=3.2,SNR=481				
MLR	comp=Z,220nm,1.0s,baz=234,slow=19,SNR=8.3				03 18 33.7 +0.7
MLR	comp=Z,13nm,0.6s,baz=211,slow=5.5,SNR=7.6	SKKS	SKKSdf		03 35 20.4 -1.4
MLR	comp=Z,124nm,1.2s,baz=300,slow=2.8,SNR=5.7	ePKPPKPB	P'P'df		03 37 41.9 -5.6
MLR	Muntele Rosu	71.50 320	iP	P	03 10 00.9 +0.1
MLR	Muntele Rosu	71.50 320	eP	P	03 10 00.7 -0.1
MLR	comp=Z,6um,1.3s	eS			03 18 33.7 +0.7
PGOR	Pogoanele	71.53 319	iP	P	03 10 02.1 +1.3
ISR	Istria	71.55 319	iP	P	03 10 01.6 +0.6
ISR	Istria	71.55 319	iP	P	03 10 01.7 +0.7
PVCC	Panska Ves	71.59 329	iP	P	03 10 11.3 +0.2
PVCC	Panska Ves	71.59 329	iP	P	03 10 12.1 -4.0
PVCC	Panska Ves	71.59 329	iP	P	03 10 01.3 +0.2
PVCC			e		03 10 12.1
LTVH	L'tav'rtes,	71.60 323	iP	P	03 10 02.3 +1.2
LTVH			ex		03 18 35.3 +1.6
ASUD	AI Ashush, Dub	71.60 286	P	P	03 10 03.0 +1.4
ASUD	AI Ashush, Dub	71.60 286	iP	P	03 10 01.1 -0.5
ASUD	AI Ashush, Dub	71.60 286	iP	P	03 10 01.1 -0.5
AMRR	Amara	71.62 318	iP	P	03 10 01.8 +0.5
AMRR	Amara	71.62 318	iP	P	03 10 01.8 +0.5
MVCO	Mesa Verde	71.71 54	eP	P	03 10 03.3 +0.9
MVCO	Mesa Verde	71.71 54	eP	P	03 10 03.2 +0.9
Y14A	Wickenburg	71.72 59	eP	P	03 10 03.4 +1.2
ALNE	AI Ain	71.75 286	iP	P	03 10 01.9 -0.6
ALNE	AI Ain	71.75 286	iP	P	03 10 01.9 -0.6
ARQ	Arqaj	71.79 285	P	P	03 10 04.0 +1.3
ICOR	Ion Corvin	71.81 318	iP	P	03 10 03.0 +0.6
SECR	Secr	71.82 319	iP	P	03 10 02.6 +0.1
VYHS	Vyhne	71.83 326	eP	P	03 10 03.0 +0.5
VYHS			imax	pmax	
VYHS	comp=Z,4um,1.4s				
VYHS	Vyhne	71.83 326	eP	P	03 10 03.0 +0.5
VYHS			ePP	pP	03 12 01.5 -1.2
VYHS			eS	S	03 18 33.4 -3.0
VYHS					03 22 30.8
VYHS					03 37 38.5
PGBU	Gleniferbraes	71.83 343	iP	IAMB	03 10 02.5 +0.1
PGBU			iAmb	IAMB	03 10 05.1
AJN	Ajban	71.86 287	iP	P	03 10 01.9 -1.2
AJN	Ajban	71.86 287	iP	P	03 10 01.9 -1.2
PSZ	Piszkesteto	71.92 325	iP	P	03 10 03.5 +0.4
PSZ			ex		03 10 14.3
PSZ			ex		03 12 13.3
PSZ			ex		03 13 04.0
PSZ	Piszkesteto	71.92 325	iP	P	03 10 03.8 +0.7
PSZ	Piszkesteto	71.92 325	eP	P	03 10 03.3 +0.2
PSZ	comp=Z,6um,1.4s				
PSZ	Piszkesteto	71.92 325	iP	P	03 10 03.4 +0.2
JAVC	Velka Javorina	71.95 327	iP	P	03 10 04.3 +1.2
JAVC			eP	P	03 10 15.2 -2.6
JAVC			ePP	pP	03 12 02.0 -1.5
JAVC			eS	S	03 18 39.1 +1.4
JAVC			eS	S	03 22 22.5 +1.0
JAVC	Vranov	71.95 328	P	P	03 10 03.5 +0.3
JAVC	comp=Z,2um,0.8s,baz=34,slow=7.1				
VRAC			S	S	03 18 38.1 +0.5
VRAC	comp=Z,44nm,0.8s,baz=58,slow=19,SNR=4.2				
VRAC	comp=Z,35nm,0.9s,baz=236,slow=3.9,SNR=6.4	ePKPPKPB	P'P'df		03 37 41.8 -4.8
VRAC	Vranov	71.95 328	iP	P	03 10 03.7 +0.5
VRAC	Vranov	71.95 328	iP	P	03 10 03.5 +0.3
VRAC			eP	P	03 10 14.2 -3.5
VRAC			ePP	pP	03 12 04.7 +1.3
VRAC			eS	S	03 18 37.4 -0.2
VRAC			eS	S	03 22 19.6 +7.5
C40A	Isle Royale Na	71.97 35	eP	P	03 10 02.7 -0.6
C40A	Isle Royale Na	71.97 35	eP	P	03 10 02.8 -0.6
EKA	Eskaletmuir Ar	72.02 342	P	P	03 10 03.2 -0.2
EKA	comp=Z,478nm,0.5s,baz=19,slow=5.5,SNR=3041				
EKA			SKIKP		03 18 35.2 -1.8
EKA	comp=Z,73nm,1.1s,baz=19,slow=6.8,SNR=2.5				
EKA	comp=Z,61nm,0.8s,baz=182,slow=2.6,SNR=16	ePKPPKPB	P'P'df		03 37 41.5 -4.8
EKA	Eskaletmuir Ar	72.02 342	P	P	03 10 03.2 -0.2
EKA			SKIKP		03 18 35.2 -1.8
EKA			imax	pmax	
EKA	comp=Z,479nm,0.5s		smax	smax	
SULR			comp=N,73nm,1.1s		
PRA	Prague	72.02 319	iP	P	03 10 03.8 +0.2
PRA	Prague	72.03 329	iP	P	03 10 04.0 +0.4
PRA			eP	P	03 10 15.0 -2.8
PRA			eP	P	03 12 04.5 +0.6

PRA	Prague	72.03 329	eP	P	03 18 45.8 +7.3
PRA			e		03 10 04.0 +0.4
PRA			e		03 10 15.2
PRA			e		03 12 04.5
PRA			e		03 18 45.8
ESK	Eskaletmuir	72.04 342	eP	P	03 10 03.5 -0.1
ESK	Eskaletmuir	72.04 342	iP	IAMB	03 10 03.4 -0.1
ESK	comp=Z,1um,0.9s				03 10 05.5
ESK	Eskaletmuir	72.04 342	eP	P	03 10 03.5 -0.1
GOPC	GO Pecny, Ondr	72.05 329	iP	P	03 10 04.0 +0.2
GOPC			ex		03 10 13.3
GOPC			eSS	sS	03 22 27.4 +1.4
GOPC	GO Pecny, Ondr	72.05 329	iP	P	03 10 04.0 +0.2
GOPC			e		03 10 13.3
PRU	Pruhonic	72.07 329	iP	P	03 10 03.9 +0.1
PRU			eP	P	03 10 15.2 -3.0
PRU			eP	P	03 12 04.2 +0.1
PRU			ex		03 18 39.8
PRU			eS	S	03 22 28.7 +1.5
PRU	Pruhonic	72.07 329	iP	P	03 10 15.2 -0.1
PRU			e		03 12 04.2
PRU			e		03 18 39.8
PRU			e		03 10 04.7 +0.6
PRU			e		03 10 04.7 +0.6
PRU			e		03 10 04.8 +0.5
MTUR	Matau	72.08 320	iP	P	03 10 04.5 +0.6
MTUR	Matau	72.08 320	iP	P	03 10 04.7 +0.6
OGNE	Ogallala	72.09 47	P	P	03 10 04.8 +0.5
Q24A	Divide	72.09 51	eP	P	03 10 05.2 +0.6
Q24A	comp=Z,2um,0.8s				
Q24A	Divide	72.09 51	P	P	03 10 05.2 +0.6
E38A	The Farm, Brul	72.13 37	eP	P	03 10 03.9 -0.4
E38A	The Farm, Brul	72.13 37	eP	P	03 10 04.0 -0.3
E38A	comp=Z,325,SNR=1000				
ARR	Arges	72.15 320	iP	P	03 10 05.5 +1.0
113A	Mohawk Valley,	72.16 60	eP	P	03 10 05.5 +0.9
S22A	4UR Ranch, Cre	72.17 52	eP	P	03 10 06.3 +1.2
S22A	4UR Ranch, Cre	72.17 52	eP	P	03 10 06.2 +1.2
S22A	comp=Z,9um,2.0s				
S22A	4UR Ranch, Cre	72.17 52	eP	P	03 10 06.2 +1.2
ARR	Arges	72.22 327	iP	P	03 10 05.0 +0.2
KRUC	KRUC		eP	P	03 10 15.8 -3.1
KRUC	KRUC		eP	P	03 12 05.2 +0.1
KRUC	KRUC		eS	S	03 18 41.2 +0.5
KRUC	KRUC		eS	S	03 22 23.1 +1.3
X16A	Lo Mia Camp, P	72.22 58	eP	P	03 10 06.8 +1.5
X16A	comp=Z,1um,0.7s				
EDMD	Edmundyves	72.24 341	iP	P	03 10 04.3 -0.4
BHH	Howats Hill	72.25 342	eP	P	03 10 04.8 0.0
MNCI	Minicoy	72.26 262	eP	P	03 10 05.2 -0.3
MNCI	comp=Z,um,1.1s				
MNCY	Minicoy	72.29 262	eP	P	03 10 04.7 -0.9
SMOL	Smolenice	72.32 327	eP	P	03 10 06.2 +0.9
SMOL	Smolenice	72.32 327	eP	P	03 18 39.5 +1.9
SMOL	Smolenice	72.32 327	eP	P	03 10 06.2 +0.9
SMOL	Smolenice	72.32 327	eP	P	03 12 02.8 -3.0
SMOL	Smolenice	72.32 327	eP	P	03 18 39.5 +1.9
H35A	Sunnyside Ranc	72.35 40	P	P	03 10 05.7 +0.1
H35A	comp=Z,324,SNR=905				
SCHO	Schefferville	72.36 19	eP	P	03 10 05.2 -0.3
SCHO	comp=Z,390nm,0.5s,baz=346,slow=6.0,SNR=248				
SCHO	comp=Z,122nm,0.9s,baz=223,slow=17,SNR=11				03 18 40.5 -1.5
SCHO	comp=Z,122nm,0.9s,baz=223,slow=17,SNR=11	SKKS	SKKSdf		03 35 12.4 -2.1
SCHO	comp=Z,18nm,0.9s,baz=211,slow=4.4,SNR=3.6				
SCHO	Schefferville	72.36 19	eP	P	03 10 05.2 -0.3
SCHO	comp=Z,2um,0.9s				
SCHO	EROS Data Cent	72.36 42	eP	P	03 18 40.5 -1.5
ECSD	EROS Data Cent	72.36 42	eP	P	03 10 05.7 -0.1
ECSD	EROS Data Cent	72.36 42	eP	P	03 10 05.6 -0.1
ECSD	EROS Data Cent	72.36 42	eP	P	03 10 05.6 -0.1
GDLE	Glaisdale, N Y	72.37 340	iP	P	03 10 05.1 -0.3
F37A	Hirichs Farm,	72.43 39	P	P	03 10 05.7 -0.3
F37A	comp=Z,325,SNR=382				
DEV	Deva	72.43 322	iP	P	03 10 06.1 +0.1
DEV	Deva	72.43 322	iP	P	03 10 06.1 +0.1
LOT	Lotru	72.44 321	iP	P	03 10 06.2 0.0
GOLR	Golra	72.44 320	iP	P	03 10 07.3 +1.2
GOLR	comp=Z,2um,0.8s				
MODS	Modra-Piesok	72.50 327	eP	P	03 10 07.1 +0.7
MODS	comp=Z,6um,1.5s				
MODS	Modra-Piesok	72.50 327	eP	P	03 10 07.1 +0.7
MODS	Modra-Piesok	72.50 327	eP	P	03 12 05.7 -1.2
MODS	Modra-Piesok	72.50 327	eP	P	03 12 05.7 -1.2
MODS	Modra-Piesok	72.50 327	eP	P	03

14d 2h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like DZM Mont Dzumac, DZM Scanlan Farm, MOA Mollin, etc.

2012 AUG

Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like WLF Waferdange, WLF EIDS, KBA Koelnbreinsper, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, and other details. Includes entries like I43A Langenfeld Bro, I43A Langenfeld Bro, I43A Langenfeld Bro, etc.

Table with columns: Name, Address, Phone, Status, Date, Time, and other details. Includes entries like BOURR Bourrignon, HORT Hortias, GRG Griva, etc.

Table with columns: Name, Address, Phone, Status, Date, Time, and other details. Includes entries like Q38A Cooks Store, JSA Saint Aubin, VARE Varese, etc.

Table with columns: Name, Address, Phone, Status, Date, Time, and other details. Includes entries like BAI Bari, T38A Diamond, KEK Kerkira, etc.

ZKS	Zakynthos	80.11 318	P	P	03 10 46.4 -1.8
OLIL	Olney	80.11 40	eP	P	03 10 48.1 0.0
V39A	Pettigrew	80.11 45	eP	P	03 10 48.1 -0.2
R44A	Walltown	80.11 41	P	P	03 10 48.0 -0.2
Q46A	CEJHS Indians	80.17 39	P	P	03 10 48.3 -0.1
IACM	Heraklion	80.17 314	eP	P	03 10 47.1 -1.4
CUC	Castrocuoco	80.19 323	eP	P	03 10 47.2 -1.5
P47A	Martinsville	80.21 38	P	P	03 10 48.4 -0.2
DYR	Agios Nikolas	80.21 317	P	P	03 10 47.6 -1.2
S43A	Fulton Ridge	80.25 42	eP	P	03 10 48.7 -0.3
T42A	Van Buren	80.26 43	eP	P	03 10 48.8 -0.2
T42A	Van Buren	80.26 43	eP	P	03 10 48.9 -0.1
IDI	Anoyia	80.27 314	P	P	03 10 47.0 -2.1
IDI	comp=Z,489nm,0.4s,baz=42,slow=8.8,SNR=205				
IDI	comp=Z,355nm,0.9s,baz=216,slow=19,SNR=12				03 20 05.6 -1.2
IDI	comp=Z,33nm,0.7s,baz=238,slow=9.5,SNR=7.2				03 29 26.2 +1.9
IDI	comp=Z,1.1um,0.8s				03 37 31.7 -0.3
IDI	comp=Z,82nm,1.2s,baz=247,slow=2,SNR=5.9				03 10 47.3 -1.9
IDI	Anoyia	80.27 314	eP	P	03 10 47.3 -1.9
IDI	comp=Z,1.1um,0.8s				03 20 05.6 -1.2
ERPA	Erie	80.27 32	eS	S	03 10 48.8 -0.2
ERPA	Erie	80.27 32	eP	P	03 10 48.6 -0.4
KYTH	Kithira	80.30 316	P	P	03 10 46.7 -2.6
KYTH	Kithira	80.30 316	P	P	03 10 46.7 -2.6
N50A	Nevada	80.31 35	P	P	03 10 49.1 -0.1
KTHR	Kythira	80.33 316	P	P	03 10 47.8 -1.6
LTX	Lajitas	80.34 56	eP	P	03 10 50.6 +0.9
LTX	Lajitas	80.34 56	eP	P	03 12 55.1 +1.5
LTX	Lajitas	80.34 56	eS	S	03 10 10.3 +2.5
LTX	Lajitas	80.34 56	eP	P	03 10 50.6 +0.9
LTX	Lajitas	80.34 56	eS	S	03 10 50.7 +1.0
TX31	Lajitas Ar. Si	80.34 56	eP	P	03 10 50.6 +0.9
TXAR	Lajitas Ar. Si	80.34 56	eP	P	03 10 50.6 +0.9
TXAR	comp=Z,477nm,0.5s,baz=288,slow=3.5,SNR=6577				03 12 55.1 +1.5
TXAR	comp=Z,160nm,0.9s,baz=256,slow=3.6,SNR=1.4				03 20 10.3 +2.5
TXAR	comp=Z,33nm,1.1s,baz=350,slow=4.7,SNR=2.5				03 29 12.0 +0.4
TXAR	comp=Z,8.4nm,0.7s,baz=163,slow=4.6,SNR=5.7				03 29 26.0 +2.0
TXAR	comp=Z,23nm,0.8s,baz=184,slow=5.3,SNR=8.7				03 37 28.0 -3.8
TXAR	comp=Z,22nm,0.9s,baz=178,slow=3.4,SNR=6.5				03 10 47.6 -1.9
PYL	PYL	80.36 317	P	P	03 10 47.6 -1.9
PYL	PYL	80.36 317	P	P	03 10 47.6 -1.9
O49A	Covington	80.36 36	P	P	03 10 49.2 -0.3
BLO	Blooming	80.38 38	eP	P	03 10 49.3 -0.2
BLO	Blooming	80.38 38	eP	P	03 10 49.3 -0.2
R45A	Skylar, Fairfri	80.40 40	P	P	03 10 49.7 0.0
MMNV	Mt. Morris Dam	80.43 31	eP	P	03 10 49.1 -0.7
U41A	Viola	80.47 43	P	P	03 10 49.8 -0.2
NOB	Newcomb	80.48 28	eP	P	03 10 49.5 -0.5
VAM	Vamos	80.49 315	P	P	03 10 48.6 -1.6
VAM	Vamos	80.49 315	P	P	03 10 48.6 -1.6
VAM	Vamos	80.49 315	P	P	03 10 48.6 -1.6
SIUC	Southern Illin	80.50 41	eP	P	03 10 50.1 -0.1
S44A	Carbondale	80.50 41	P	P	03 10 50.3 +0.1
TMBK	Timbaki Herakl	80.50 314	P	P	03 10 49.8 -0.4
V40A	Witts Springs	80.51 44	eP	P	03 10 50.1 -0.3
V40A	Witts Springs	80.51 44	eP	P	03 10 50.1 -0.3
ANKY	Antikythira Is	80.52 316	P	P	03 10 48.8 -1.5
ANKY	Antikythira Is	80.52 316	P	P	03 10 48.8 -1.5
TIP	Timpagrade	80.52 322	eP	P	03 10 50.2 -0.2
TIP	Timpagrade	80.52 322	eP	P	03 10 50.1 -0.4
TIP	Timpagrade	80.52 322	eP	P	03 10 50.0 -0.4
SIVA	Sivas	80.53 314	P	P	03 10 49.8 -0.6
IMHV	Iera Moni Meta	80.55 315	P	P	03 10 48.6 -1.9
P48A	Milroy	80.56 37	P	P	03 10 50.1 -0.4
T43A	Greenville	80.57 42	P	P	03 10 50.4 -0.2
W39A	Magazine	80.57 45	eP	P	03 10 50.7 +0.1
W39A	Magazine	80.57 45	eP	P	03 10 50.8 +0.1
Q47A	Bedord North L	80.62 38	P	P	03 10 50.8 0.0
ALLY	Allegheny Colle	80.63 33	eP	P	03 10 50.7 -0.2
O50A	Cable	80.67 36	eP	P	03 10 51.0 -0.1
LPIG	La Paz	80.69 64	P	P	03 10 52.5 +1.1
LPIG	comp=Z,508nm,0.8s,baz=327,slow=3.6,SNR=61				03 12 56.7 +1.2
LPIG	comp=Z,297nm,1.0s,baz=225,slow=1.4,SNR=2.4				03 20 14.1 +2.9
LPIG	comp=Z,19nm,0.3s,baz=66,slow=20,SNR=3.6				03 29 24.3 +1.3
LPIG	comp=Z,14nm,0.3s,baz=66,slow=20,SNR=3.6				03 37 26.7 +4.3
PKME	Peaks-Kenny Pk	80.69 24	eP	P	03 10 50.8 -0.2
PKME	Peaks-Kenny Pk	80.69 24	eP	P	03 10 51.0 0.0
U42A	Reverden	80.77 43	P	P	03 10 51.3 -0.3
P49A	Minia Univ. Ec	80.78 37	P	P	03 10 51.5 -0.2
R46A	Gibon Southern	80.79 39	P	P	03 10 51.7 0.0
S45A	Carrier Mills	80.80 40	P	P	03 10 51.7 0.0
V41A	Mountainview	80.83 44	P	P	03 10 51.8 -0.2
T44A	Benton	80.87 41	P	P	03 10 52.1 0.0
Q48A	North Vernon	80.90 38	P	P	03 10 52.2 -0.1
W40A	Ferguson Farm,	80.90 45	eP	P	03 10 52.5 +0.2
W40A	Ferguson Farm,	80.90 45	eP	P	03 10 52.6 +0.2
LBNH	Lisbon	80.91 26	eP	P	03 10 52.5 +0.3
LBNH	Lisbon	80.91 26	eP	P	03 10 52.6 +0.3
M54A	Oil Creek Stat	80.92 33	eP	P	03 10 52.0 -0.3
M54A	Oil Creek Stat	80.92 33	eP	P	03 10 52.0 -0.3
USIN	North Vernon	80.94 40	eP	P	03 10 52.5 0.0
X39A	Fountain Ranch	80.98 46	eP	P	03 10 53.4 +0.6
GVD	Gavdhos	81.01 315	P	P	03 10 51.7 -1.2
GVD	Gavdhos	81.01 315	P	P	03 10 51.7 -1.2
P50A	Jamestown	81.07 36	P	P	03 10 53.0 -0.1
U43A	Rector	81.12 42	eP	P	03 10 53.6 +0.2
R47A	Wooly Knot Far	81.12 39	P	P	03 10 53.4 0.0
V42A	Cord	81.15 43	eP	P	03 10 53.4 -0.2
PARMO	Parma	81.16 42	eP	P	03 10 54.3 +0.7
S46A	Don Dixon Farm	81.16 40	P	P	03 10 53.4 -0.2
Q49A	Aurora	81.17 37	P	P	03 10 53.7 0.0

ACCN	Adirondack Com	81.18 28	eP	P	03 10 53.2 -0.4
MIAR	Mout Ida	81.20 46	eP	P	03 10 54.3 +0.4
MIAR	Mout Ida	81.20 46	eP	P	03 10 54.3 +0.4
MIAR	Mout Ida	81.20 46	eP	P	03 10 54.4 +0.4
WCI	Wyandotte Cave	81.28 39	eP	P	03 10 54.1 -0.1
WCI	Wyandotte Cave	81.28 39	eP	P	03 10 54.3 +0.1
N54A	Moraine State	81.29 33	eP	P	03 10 54.0 -0.2
N54A	Moraine State	81.29 33	eP	P	03 10 54.0 -0.2
W41B	Gary Mavit, V	81.29 44	P	P	03 10 54.5 +0.2
R48A	Northridge Ran	81.30 38	P	P	03 10 54.5 +0.2
U44A	Portage	81.32 42	eP	P	03 10 54.6 +0.1
T45A	Paduach	81.33 41	eP	P	03 10 54.8 +0.3
T45A	Paduach	81.33 41	eP	P	03 10 54.7 +0.3
WHTX	Lake Whitney,	81.43 50	eP	P	03 10 55.8 +0.7
JCT	Junction City	81.47 52	eP	P	03 10 55.7 +0.4
JCT	Junction City	81.47 52	eP	P	03 10 55.8 +0.4
BINY	Binghamton	81.53 30	P	P	03 10 54.9 -0.6
W42A	Bald Knob	81.54 44	P	P	03 10 55.8 +0.3
V43A	Jonesboro	81.55 43	P	P	03 10 56.3 +0.7
S47A	Hartford	81.58 39	P	P	03 10 55.3 -0.4
X40A	Basin Creek Fa	81.60 45	P	P	03 10 56.3 +0.4
U44B	Burton Farm, H	81.60 42	P	P	03 10 56.2 +0.4
F04T	Fort	81.63 195	eP	P	03 10 56.1 +0.3
T46A	Princeton	81.63 40	P	P	03 10 56.3 +0.3
CEL	Celle	81.66 322	eP	P	03 10 55.0 -1.2
Q50A	Georgetown	81.66 37	P	P	03 10 56.2 +0.1
R49A	Shelbyville	81.67 38	P	P	03 10 56.4 +0.2
X41A	Kaden, Bauxite	81.74 45	P	P	03 10 56.9 +0.3
Q51A	Peebles	81.75 36	P	P	03 10 56.6 0.0
Y40A	Okolona	81.78 46	P	P	03 10 57.3 +0.5
V44A	Blytheville	81.80 42	eP	P	03 10 57.3 +0.5
LHI	Lord Howe Isla	81.83 168	eP	P	03 10 58.2 +1.4
U45A	Rockin P Farm,	81.85 41	P	P	03 10 57.4 +0.2
S48A	Wiedeman Farm,	81.86 39	P	P	03 10 57.1 -0.1
HALT	Halls	81.97 42	eP	P	03 10 58.4 +0.7
T47A	Sharon Grove	82.00 40	P	P	03 10 58.0 +0.1
R50A	Paris	82.01 37	P	P	03 10 58.0 +0.1
W43A	Forest City	82.06 43	P	P	03 10 58.7 +0.4
S49A	Springfield	82.06 38	P	P	03 10 58.4 +0.2
U46A	Springville	82.09 41	P	P	03 10 58.5 +0.2
X42A	Stuttgart	82.09 44	P	P	03 10 58.6 +0.3
SFTN	Shelby Forest	82.14 43	eP	P	03 10 59.6 +1.0
T48A	Bowling Green	82.19 39	P	P	03 10 58.8 -0.1
Y41A	Eagleette Beard	82.20 45	P	P	03 10 59.7 +0.7
V45A	Humboldt	82.28 42	P	P	03 10 59.2 -0.1
R51A	Hillors	82.29 37	P	P	03 10 59.4 +0.1
SSPA	Standing Stone	82.31 32	eP	P	03 10 59.0 -0.3
S45B	Jarrell	82.35 51	eP	P	03 11 00.1 +0.4
435B	Jarrell	82.35 51	eP	P	03 11 00.1 +0.4
Z40A	Long Farm, Mag	82.35 46	P	P	03 11 00.8 +1.1
U47A	Clarksville	82.39 40	P	P	03 10 59.9 0.0
O56A	Blue Knob Stat	82.40 32	eP	P	03 10 59.8 -0.2
W44A	Shelby Farms P	82.41 43	P	P	03 11 00.4 +0.5
WVT	Waverly	82.43 41	eP	P	03 11 00.2 +0.1
WVT	Waverly	82.43 41	eP	P	03 11 00.3 +0.3
X43A	Marvell	82.46 44	eP	P	03 11 00.8 +0.6
X43A	Marvell	82.46 44	eP	P	03 11 00.8 +0.6
MCWV	Mont Chateau	82.49 34	P	P	03 11 00.7 +0.4
MCWV	Mont Chateau	82.49 34	P	P	03 11 00.6 +0.2
S50A	Richmond	82.51 38	eP	P	03 11 00.5 0.0
T49A	Edmonton	82.55 39	P	P	03 11 00.7 +0.1
CCAR	Cane Creek	82.56 45	eP	P	03 11 01.9 +1.1
QUA2	Belchertown	82.59 27	eP	P	03 10 59.9 -0.8
V46A	Holladay	82.59 41	P	P	03 11 00.8 -0.1
BB00	Bucklebo	82.61 188	eP	P	03 11 01.0 +0.3
HRV	Adam Dzewonsk	82.61 27	eP	P	03 11 00.9 +0.1
HRV	Adam Dzewonsk	82.61 27	eP	P	03 11 00.9 +0.1
Y42A	Garnett, Star	82.62 45	eP	P	03 11 01.9 +0.9
R52A	Callettsburg	82.62 36	P	P	03 11 00.9 -0.1
Z41A	Richland Creek	82.63 46	eP	P	03 11 01.8 +0.7
Z41A	Richland Creek	82.63 46	eP	P	03 11 01.8 +0.7
U48A	Cassie Pea, Po	82.64 40	P	P	03 11 01.1 0.0
W45A	Hickory Valley	82.67 42	eP	P	03 11 01.5 +0.2
N59A	State Game Lan	82.76 30	eP	P	03 11 01.5 -0.2
N59A	State Game Lan	82.76 30	eP	P	03 11 01.4 -0.2
140A	Cam and Jess,	82.78 47	P	P	03 11 03.1 +1.2
WES	Wreston	82.79 26	eP	P	03 11 01.8 +0.1
X44A	Crenshaw	82.80 43	eP	P	03 11 02.5 +0.5
V47A	Nunnely	82.82 41	P	P	03 11 02.1 0.0
S51A	Beattyville	82.86 37	P	P	03 11 02.0 -0.2
T50A	Nancy	82.90 38	P	P	03 11 02.5 0.0
VAE	Valguarnera	82.92 323	eP	P	03 11 01.1 -1.4
VAE	comp=Z,477nm,0.7s,baz=138,slow=8.2,SNR=19				03 20 34.2 +1.0
VAE	comp=Z,117nm,1.0s,baz=275,slow=18,SNR=6				03 29 20.1 +1.6
VAE	comp=Z,9.7nm,0.4s,baz=239,slow=5.9,SNR=2.6				03 37 22.4 -4.7

comp=Z,31nm,1.1s,baz=284,slow=4.2,SNR=3.3					
Y43A	Makayla and Ka	82.94 44	P	P	03 11 03.5 +0.8
U49A	Red Boiling Sp	82.96 39	eP	P	03 11 02.8

343A	Vidalia	84.83	46	P	P	03 11 14.0 +2.0
146A	Union	84.86	44	P	P	03 11 13.4 +1.3
H0BS3	Diego Garcia H	84.86	252	P	P	03 11 11.7 -0.3
H0BS2	Diego Garcia H	84.87	252	P	P	03 11 12.0 0.0
V53A	Saluda	84.88	37	P	P	03 11 12.3 0.0
H0BS1	Diego Garcia H	84.88	252	P	P	03 11 12.1 0.0
Z48A	Northport	84.89	42	P	P	03 11 11.9 -0.4
442A	Mamou	84.92	47	P	P	03 11 14.5 +2.0
W52A	Murphy	84.94	39	P	P	03 11 12.6 0.0
Y49A	Blount Mountain	84.97	41	P	P	03 11 12.5 -0.2
245A	Little AP, Sta	84.99	44	P	P	03 11 14.1 +1.3
X51A	Calhoun	85.01	40	P	P	03 11 12.8 -0.1
344A	Westbrook Farm	85.09	45	P	P	03 11 14.8 +1.5
541A	Lake Charles	85.10	48	P	P	03 11 15.3 +1.9
URVA	University of	85.17	33	eP	P	03 11 13.3 -0.2
147A	Livingston	85.18	43	P	P	03 11 14.3 +0.6
W53A	Culloway	85.18	38	P	P	03 11 13.8 0.0
RAO	Raoul Island	85.18	148	P	P	03 11 13.9 +0.5
RAO	comp=Z,150nm,0.3s,baz=277,slow=13,SNR=3.7					03 20 56.6 +1.9
443A	Delano Plantat	85.18	46	P	P	03 11 15.8 +2.1
Y50A	Piedmont	85.23	40	P	P	03 11 13.8 -0.1
542A	Morse	85.35	47	P	P	03 11 17.1 +2.6
246A	Jackson Lee, B	85.35	44	P	P	03 11 16.1 +1.6
X52A	Dalhousie	85.38	39	P	P	03 11 14.8 +0.2
LRAL	Lakeview Retre	85.42	42	eP	P	03 11 14.5 -0.3
LRAL	Lakeview Retre	85.42	42	eP	P	03 11 14.5 -0.3
Z49A	Columbiana	85.49	41	P	P	03 11 15.1 0.0
Y51A	Rockmart	85.50	40	P	P	03 11 15.0 -0.2
148A	Greensboro	85.51	42	P	P	03 11 15.3 +0.1
345A	Thompson Farm	85.54	45	P	P	03 11 16.9 +1.5
247A	Quitman	85.55	43	P	P	03 11 17.0 +1.5
PBRG	Braganca	85.58	339	eP	P	03 11 14.0 -1.5
PBRG	comp=Z,52nm,1.4s					03 13 21.0 -0.6
Z50A	Ashland	85.70	41	eP	P	03 11 16.3 +0.2
X53A	Estanollee	85.70	38	P	P	03 11 16.6 +0.5
444A	Pine Grove	85.71	46	P	P	03 11 18.0 +1.8
343A	St. Martinville	85.71	47	P	P	03 11 18.4 +2.1
546A	Big Creek Wild	85.73	44	eP	P	03 11 17.6 +1.3
346A	Big Creek Wild	85.73	44	eP	P	03 11 17.6 +1.3
RAR	Rarotonga	85.75	130	P	P	03 11 17.3 +1.0
RAR	comp=Z,650nm,0.8s,baz=242,slow=6,SNR=106					03 20 46.8 +0.8
RAR	comp=Z,10nm,0.8s,baz=210,slow=16,SNR=2.7					03 29 12.6 +0.7
RAR	comp=Z,15nm,0.7s,baz=94,slow=10,SNR=3.4					03 11 17.4 +1.0
PGAV	Gavieira, Arco	85.77	341	eP	P	03 11 15.6 -0.8
PGAV	comp=Z,2um,1.1s					03 13 21.9 -0.7
PGAV	comp=Z,637nm,1.3s					03 20 44.2 -2.0
445A	Amite	85.88	45	P	P	03 11 18.7 +1.7
149A	Jones	85.89	42	P	P	03 11 17.4 +0.3
248A	Dixon Mills	85.90	43	P	P	03 11 18.2 +1.1
DAMY	Dharmar	85.91	288	eP	P	03 11 17.8 +0.9
LBO5	Kings Mountain	85.91	287	eP	P	03 11 17.9 +0.1
KM5C	Kings Mountain	85.92	37	P	P	03 11 17.0 -0.1
Y52A	Liburn	85.95	39	P	P	03 11 17.6 +0.3
Y52A	Liburn	85.95	39	P	P	03 11 17.6 +0.3
PCAB	Cabril	85.96	340	eP	P	03 11 16.5 -0.8
PCAB	comp=Z,865nm,1.7s					03 13 25.5 +2.0
PCAB	comp=Z,865nm,1.7s					03 14 49.3 +2.0
Z51A	Franklin	85.96	40	P	P	03 11 17.3 -0.1
NWAO	Narrogin (SRO)	86.01	203	P	P	03 11 17.2 -0.1
NWAO	comp=Z,330,SNR=234					03 20 47.4 +0.3
NWAO	comp=Z,2um,0.9s,baz=254,slow=5.2,SNR=243					03 29 13.7 +1.8
NWAO	comp=Z,41nm,0.9s,baz=255,slow=2,SNR=2.3					03 37 17.7 +0.1
NWAO	comp=Z,39nm,0.7s,baz=247,slow=7.7,SNR=6.2					03 11 17.1 -0.1
NWAO	comp=Z,19nm,0.8s,baz=191,slow=5.2,SNR=4.1					03 11 17.3 -0.1
NWAO	Narrogin (SRO)	86.01	203	eP	P	03 11 17.3 -0.1
NWAO	comp=Z,2um,1.3s					03 11 20.1 +2.4
544A	White Castle	86.02	46	P	P	03 11 20.1 +2.4
347A	Saraland	86.14	44	P	P	03 11 19.9 +1.6
ZAIG	Zacatecas	86.14	59	eP	P	03 11 19.6 +0.9
UCM	Universidad Co	86.14	336	i	S	03 11 17.8 -0.4
Y53A	Monroe	86.15	39	P	P	03 11 18.8 +0.5
150A	Eclectic	86.21	41	P	P	03 11 18.8 +0.2
POLO	Lamas de Olo	86.23	340	eP	P	03 11 17.9 -0.7
POLO	comp=Z,633nm,1.2s					03 13 27.0 +2.0
POLO	Lamas de Olo	86.23	340	eP	P	03 14 52.0 +2.5
MVO	Moncorvo	86.25	339	eP	P	03 11 17.8 -0.9
MVO	comp=Z,940nm,1.4s					03 13 23.9 -1.2
MVO	comp=Z,940nm,1.4s					03 14 50.4 +0.7
MVO	comp=Z,940nm,1.4s					03 20 47.7 -1.4
CMH8	Djebel Manchou	86.27	327	P	P	03 11 17.5 -1.4
249A	Camden	86.28	42	P	P	03 11 20.1 +1.2
446A	Poplarville	86.28	45	P	P	03 11 20.1 +1.3
PVRL	Vila Real	86.30	340	eP	P	03 11 18.0 -0.9
PVRL	comp=Z,1um,1.2s					03 13 27.1 +1.8
PVRL	comp=Z,1um,1.2s					03 14 52.8 +2.7
CAEH	Ain El Ouahch	86.33	328	P	P	03 11 19.5 +0.4
KEST	Kesra	86.38	325	P	P	03 11 18.8 -0.9
KEST	comp=Z,156nm,0.7s,baz=25,slow=1.6,SNR=257					03 20 47.4 -2.7
KEST	comp=Z,55nm,1.0s,baz=309,slow=16,SNR=2.8					03 29 13.5 +2.8
KEST	comp=Z,45nm,0.9s,baz=138,slow=2.8,SNR=5.5					03 37 03.0 -1.8
KEST	comp=Z,12nm,0.7s,baz=256,slow=6.0,SNR=5.5					03 11 19.8 -0.4
Z52A	Williamson	86.39	40	P	P	03 11 19.8 +0.4
545A	Edgard	86.39	46	eP	P	03 11 22.3 +2.9

545A	Edgard	86.39	46	eP	P	03 11 22.1 +2.7
348A	Jackson	86.41	43	P	P	03 11 20.9 +1.4
Y54A	Tigalat	86.51	38	P	P	03 11 20.4 +0.4
ABSA	Djebel Ababsia	86.57	327	P	P	03 11 19.0 -1.3
151A	Opekika	86.58	41	P	P	03 11 20.3 0.0
GOGA	Godfrey	86.59	39	eP	P	03 11 20.7 +0.4
GOGA	Godfrey	86.59	39	eP	P	03 11 20.7 +0.4
GOGA	Godfrey	86.59	39	eP	P	03 11 20.8 +0.4
546A	Slidell	86.59	45	P	P	03 11 22.4 +2.0
447A	Lucedale	86.60	44	eP	P	03 11 21.9 +1.5
447A	Lucedale	86.60	44	eP	P	03 11 21.9 +1.5
PTO	Porto	86.63	341	eP	P	03 11 19.5 -0.9
PTO	comp=Z,895nm,1.4s					03 13 30.1 +3.2
UDYN	Al Udayn	86.63	288	eP	P	03 11 21.4 +0.4
Z50A	Grady	86.65	42	eP	P	03 11 21.2 +0.6
Z50A	Grady	86.65	42	eP	P	03 11 21.3 +0.6
Z53A	Monticello	86.66	39	P	P	03 11 21.1 +0.4
JSC	Jenkinsville	86.71	37	eP	P	03 11 20.9 0.0
152A	Waverly Hall	86.71	40	eP	P	03 11 20.9 0.0
152A	Waverly Hall	86.71	40	eP	P	03 11 21.0 0.0
CKFL	Kef-Lekhel	86.72	328	eP	P	03 11 20.7 -0.4
THTN	Thala	86.77	326	eP	P	03 11 21.2 -0.2
349A	Repton	86.78	43	P	P	03 11 22.7 +1.4
645A	Chauvin	86.83	46	P	P	03 11 24.1 +2.5
448A	Bay Minette	86.84	44	P	P	03 11 23.2 +1.7
PVIS	Visou	86.88	340	eP	P	03 11 20.2 -1.5
PVIS	Visou	86.88	340	eP	P	03 13 29.8 +1.5
DFRA	Djebel Bou Off	86.88	328	P	P	03 11 22.5 +0.7
TAOE	Nuku Hiva Isla	86.88	107	eP	P	03 11 23.0 +1.0
TAOE	Nuku Hiva Isla	86.88	107	eP	P	03 11 20.0 -2.0
ES19	SONSECA Array	86.88	337	eP	P	03 11 20.9 -0.8
251A	Midway	86.92	41	P	P	03 11 22.2 +0.3
ESDC	Sonsec Array	86.92	337	eP	P	03 11 21.1 -0.8
ESDC	comp=Z,132nm,0.8s,baz=4.9,slow=3.7,SNR=247					03 13 27.4 -1.1
ESDC	comp=Z,134nm,0.9s,baz=7.1,slow=4.4,SNR=3.3					03 20 52.4 -0.7
ESDC	comp=Z,14nm,0.8s,baz=19,slow=7.1,SNR=2.3					03 21 13.9 +2.4
ESDC	comp=Z,30nm,1.1s,baz=33,slow=10,SNR=4.2					03 29 10.8 +1.3
ESDC	comp=Z,19nm,0.6s,baz=218,slow=1.2,SNR=9.1					03 37 17.6 -2.0
ESLA	Sonsec Array	86.92	337	eP	P	03 11 21.1 -0.8
ESLA	comp=Z,475nm,1.0s					03 11 21.1 -0.8
CSMA	Ain Samra	86.93	328	P	P	03 11 21.5 -0.5
Z54A	Sparta	86.99	39	P	P	03 11 22.7 +0.5
BRAL	Brewton	87.00	43	P	P	03 11 23.8 +1.5
PMOR	Porriario Res	87.07	117	iP	P	03 11 24.6 +1.9
646A	Port Sulphur	87.09	46	P	P	03 11 25.5 +2.8
350A	Dozier	87.09	42	P	P	03 11 23.9 +1.2
153A	Fort Valley	87.10	40	P	P	03 11 23.3 +0.6
MTE	Manteigas	87.10	340	eP	P	03 11 21.5 -1.2
MTE	Manteigas	87.10	340	eP	P	03 11 21.7 -1.0
MTE	Manteigas	87.10	340	eP	P	03 13 29.3 -0.1
MTE	Manteigas	87.10	340	eP	P	03 14 59.1 +2.7
MTE	Manteigas	87.10	340	eP	P	03 20 53.5 +0.7
CTEI	Djebel Teioual	87.13	328	P	P	03 11 22.0 -1.0
PAB	Sain Pablo	87.14	337	eP	P	03 11 22.4 -0.5
449A	Pace	87.14	337	eP	P	03 11 22.4 -0.5
252A	Lumpkin	87.28	41	P	P	03 11 24.0 +0.4
Z55A	Americus	87.29	38	P	P	03 11 24.2 +0.6
SET	Setif	87.35	329	P	P	03 11 25.0 +1.0
VAH	Valhoo	87.40	117	iP	P	03 11 26.0 +1.7
154A	Montrose	87.43	39	P	P	03 11 24.9 +0.6
154A	Montrose	87.43	39	P	P	03 11 25.0 +0.7
COI	Coimbra	87.48	340	eP	P	03 11 23.2 -1.2
COI	Coimbra	87.48	340	eP	P	03 13 32.3 +1.1
CKHR	Kef el Ahmar	87.48	328	P	P	03 15 01.9 +2.6
253A	Americus	87.48	40	P	P	03 11 23.5 -1.2
253A	Americus	87.48	40	P	P	03 11 25.2 +0.6
450A	Crestview	87.51	43	P	P	03 11 26.2 +1.5
351A	Plinkard	87.54	42	P	P	03 11 25.8 +1.0
ABA	Alger-Bouzeara	87.58	331	P	P	03 11 27.0 +2.0
PCBR	Castelo Branco	87.62	339	eP	P	03 11 24.0 -1.1
PCBR	comp=Z,601nm,1.4s					03 13 39.9 +2.0
PCBR	Castelo Branco	87.62	339	eP	P	03 15 06.4 +4.2
352A	Blakely	87.65	41	eP	P	03 11 26.2 +0.9
352A	Blakely	87.65	41	eP	P	03 11 26.2 +0.9
155A	Kite	87.68	39	P	P	03 11 26.1 +0.7
254A	Abbeville	87.93	40	P	P	03 11 27.4 +0.8
PMRV	Marv??o	87.99	339	eP	P	03 11 25.8 -1.0
PMRV	comp=Z,461nm,1.5s					03 13 33.8 -0.1
PMRV	Marv??o	87.99	339	eP	P	03 15 05.9 +2.4
PMRV	Marv??o	87.99	339	eP	P	03 21 36.5 +1.1
SESP	Santiago Espad	88.01	335	P	P	03 11 27.6 +0.4
SESP	SESP	88.04	42	eP	P	03 11 27.6 +0.4
451A	Vernon	88.04	42	eP	P	03 11 28.6 +1.5
451A	Vernon	88.04	42	eP	P	03 11 28.7 +1.5
PTOM	Tomar	88.04	340	eP	P	03 11 25.9 -1.1

RCBR	SKPbc	SKPbc	03 20 31.4	0.0			
comp=Z,1µm,0.9s,baz=346,slow=3.4,SNR=26							
RCBR	SKPbc	SKKPbc	03 29 25.8	+1.2			
comp=Z,46nm,0.8s,baz=182,slow=4.4,SNR=2.3							
La Paz	137.29	51	PKPbc	PKPpre	03 17 44.0		
LPZ	comp=Z,40nm,0.7s,baz=9.1,slow=6.3,SNR=22						
LPZ	PKP	PKPdf	03 17 56.8	+0.5			
comp=Z,331nm,0.8s,baz=360,slow=4.5,SNR=29							
LPZ	SKPbc	SKPbc	03 20 35.1	+0.7			
comp=Z,780nm,1.0s,baz=349,slow=5.4,SNR=3.3							
LPZ	SKPbc	SKKPbc	03 29 22.9	0.0			
comp=Z,28nm,0.8s,baz=150,slow=7.9,SNR=2.6							
PB12	IPOC Station P	137.85	55	eP	PKPdf	03 17 53.5	-3.6
PB16	IPOC Station P	138.06	54	eP	PKPpre	03 17 53.5	-3.6
MMNC	Minye Minye	138.67	55	eP	PKPdf	03 17 58.4	-0.4
PSGC	Pisagua	138.77	56	eP	PKPpre	03 17 49.3	
PB11	IPOC Station P	139.15	56	eP	PKPpre	03 17 51.2	
QSPA	South Pole Qui	139.49	180	Pdfff	Pdfff	03 15 36.6	+21
comp=Z,1.8nm,0.9s,baz=100,slow=1.1,SNR=6							
QSPA	PKHkp	PKPpre	03 17 49.7				
comp=Z,285nm,0.7s,baz=281,slow=2.2,SNR=159							
QSPA	PKP	PKPdf	03 17 57.1	-1.5			
comp=Z,749nm,0.6s,baz=344,slow=1.1,SNR=42							
QSPA	SKPbc	SKPbc	03 20 38.2	-0.7			
comp=Z,693nm,0.5s,baz=62,slow=2.3,SNR=6.8							
QSPA	SKPbc	SKKPbc	03 29 17.5	-0.2			
comp=Z,242nm,1.0s,baz=103,slow=1.0,SNR=6.2							
PB08	IPOC Station P	140.73	55	eP	PKPpre	03 17 53.6	
PB01	IPOC Station P	140.29	57	eP	PKPpre	03 17 54.4	
PB01	IPOC Station P	140.29	57	eP	PKPpre	03 17 55.5	
PB02	IPOC Station P	140.29	57	eP	PKPpre	03 17 54.6	
PB07	IPOC Station P	140.62	58	eP	PKPpre	03 17 54.0	
SYO	Syowa Base	140.65	213	jP	PKPpre	03 17 54.2	
PB03	IPOC Station P	140.96	58	eP	PKPpre	03 17 57.2	
PB04	IPOC Station P	140.97	59	eP	PKPpre	03 17 57.1	
PB09	IPOC Station P	141.03	57	eP	PKPpre	03 17 58.2	
PB05	IPOC Station P	141.35	59	eP	PKPpre	03 17 59.1	
PB06	IPOC Station P	141.58	58	eP	PKPpre	03 17 57.9	
PB10	IPOC Station P	141.67	60	eP	PKPpre	03 17 59.4	
PB14	IPOC Station P	142.83	61	eP	PKPpre	03 18 03.8	-2.2
YJA	Yavi	143.32	53	eP	PKPdf	03 18 06.7	-0.5
HJA	Humahuaca	144.22	53	eP	PKPab	03 18 09.9	+0.9
BDFB	Brasilia	144.30	22	PKP	PKPdf	03 18 08.8	+0.1
comp=Z,2µm,0.7s,baz=328,slow=2.0,SNR=1169							
BDFB	SKPbc	SKPbc	03 20 52.2	-0.3			
comp=Z,945nm,0.9s,baz=337,slow=4.5,SNR=5.5							
BDFB	SKPbc	SKKPbc	03 28 57.1	0.0			
comp=Z,39nm,0.9s,baz=130,slow=7.9,SNR=2.4							
CPCH	Copiapó	144.75	64	eP	PKPab	03 18 10.2	-0.3
GO03	Copiapó	145.00	64	eP	PKPbc	03 18 10.2	-0.2
YACH	Vallenar	145.42	66	eP	PKPbc	03 18 11.2	-0.4
LCO	Las Campanas	145.77	66	eP	PKPdf	03 18 11.1	0.0
LCO	Las Campanas	145.77	66	eP	PKPdf	03 18 11.2	0.0
LCO	Las Campanas	145.77	66	eP	PKPdf	03 18 11.1	0.0
TLI	Tololo Astrone	146.13	68	eP	PKPdf	03 18 12.2	-0.1
GO04	Tololo Observa	146.56	68	eP	PKPdf	03 18 12.2	-0.1
GO04	Tololo Observa	146.56	68	eP	PKPdf	03 18 11.6	-0.7
VCA	Vinchina	147.03	63	eP	PKPdf	03 18 14.4	+1.4
AHML	Horco Molle	147.14	57	eP	PKPdf	03 18 13.8	+0.7
AROD	Rodeo	147.35	66	eP	PKPbc	03 18 15.9	-1.3
AGUA	GUANDACOL	147.43	64	eP	PKPdf	03 18 14.2	+0.6
ACDV	Cuesta del Vie	147.56	66	eP	PKPbc	03 18 16.0	-1.5
CYA	Choya	148.18	60	eP	PKPdf	03 18 15.4	+0.7
ROCH	Ei Roble	148.38	72	eP	PKPdf	03 18 12.3	-2.9
AMOG	MIGNA	148.49	66	eP	PKPdf	03 18 16.9	+1.7
RTLS	Leoncito	148.62	68	eP	PKPdf	03 18 17.2	+1.4
BEL	Peñalhue	148.72	67	eP	PKPdf	03 18 14.5	-1.0
PILL	Cerro Villicura	148.78	67	eP	PKPdf	03 18 16.9	+1.2
AUSP	Uspallata	148.86	69	eP	PKPdf	03 18 16.6	+0.5
SJA	San Juan	148.87	67	eP	PKPbc	03 18 20.1	-0.5
CLCH	Cerro Caran	148.96	72	eP	PKPdf	03 18 15.1	-0.9
FCH	Faneltones	149.07	71	eP	PKPdf	03 18 16.8	+0.3
RTVC	Cerro Valdivia	149.12	67	eP	PKPdf	03 18 16.0	+0.6
GO05	Hualaë	149.16	76	eP	PKPdf	03 18 13.2	-2.9
ASAL	Salagasta	149.45	69	eP	PKPdf	03 18 16.8	0.0
LMEL	Las Melosas	149.47	72	eP	PKPdf	03 18 13.8	-3.0
ARCO	CERRO ARCO	149.57	69	eP	PKPdf	03 18 17.7	+0.7
AAGR	Agrelo	149.59	69	eP	PKPdf	03 18 17.3	0.0
NVL	N'izarevskaya	149.99	209	iPKP2	PKPbc	03 18 23.6	+1.7
NVL	e					03 22 04.2	
NVL	comp=Z,6µm,0.9s			pmax	pmax		
NVL	comp=Z,17µm,18.8s			MLR	MLR		
comp=Z,11µm,18.0s							
CCAN	Chilán	150.07	78	eP	PKPdf	03 18 16.3	-1.1
ACHN	Cantantal	150.22	66	eP	PKPdf	03 18 18.8	+0.7
AVIZ	Vizcacheras	150.25	70	eP	PKPdf	03 18 18.6	+0.6
CPUP	Villa Florida	150.81	45	PKP	PKPdf	03 18 18.7	-0.2
comp=Z,120nm,0.9s,baz=355,slow=1.9,SNR=163							
CPUP	PKPbc	PKPbc	03 18 25.2	+0.1			
comp=Z,873nm,0.8s,baz=347,slow=5.5,SNR=132							
CPUP	pPKPab	pPKPab	03 20 43.6	-1.5			
comp=Z,495nm,1.1s,baz=347,slow=4.2,SNR=2.2							
CPUP	SKKPbc	SKKPbc	03 28 28.5				
comp=Z,66nm,0.9s,baz=134,slow=7.9,SNR=3.9							
TCA	Tanti	151.05	62	eP	PKPdf	03 18 20.2	+1.0
VLCH	Valdivia	151.17	85	eP	PKPbc	03 18 24.5	-1.1
MRA	San Martín	151.19	65	eP	PKPbc	03 18 25.9	-0.1
PIL	Pilar	151.70	61	eP	PKPdf	03 18 20.8	+0.7
SPB	Sao Paulo	152.04	26	ePKPdf	PKPdf	03 18 20.9	+0.1
GO06	Curarrehue	152.19	83	eP	PKPdf	03 18 19.3	-1.4
GO06	Curarrehue	152.19	83	eP	PKPdf	03 18 19.0	-1.8
SUCO	Suco	152.34	65	eP	PKPdf	03 18 22.4	+1.3
GO07	Miladeo Hills	152.97	91	eP	PKPbc	03 18 28.3	-0.3
PLCA	Paso Flores	153.41	84	PKP	PKPdf	03 18 20.9	-1.5
comp=Z,107nm,0.9s,baz=263,slow=1.6,SNR=57							
PLCA	PKKIP	PKKIP	03 18 32.2	+1.6			
comp=Z,527nm,0.8s,baz=291,slow=2.4,SNR=42							
SNA4	Sanae	153.68	202	PKP	PKPdf	03 18 23.5	+1.8
SNA4	x					03 18 44.6	
WNA3	Neumayer Olymp	155.55	199	PKP	PKPbc	03 18 22.8	-1.7
WNA3	x					03 18 54.3	
VNA2	Neumayer-Stat	155.67	201	PKP	PKPdf	03 18 23.3	-1.0
VNA1	x					03 18 54.9	
GO09	Cerro Castillo	156.18	108	ePKPdf	PKPdf	03 18 24.3	-1.4
GO10	Punta Arenas	157.25	113	ePKPdf	PKPdf	03 18 25.9	-1.1
GO10	Punta Arenas	157.25	113	ePKPdf	PKPdf	03 18 23.2	-2.5
LPA	La Plata	157.43	58	ePKP	PKPdf	03 18 27.0	-0.7
LPA	La Plata	157.43	58	ePKP	PKPab	03 19 04.0	+0.6
LPA	eSKIKP					03 21 01.0	
LPA	ePKIKS					03 22 01.0	
LPA	ePP	PP				03 22 45.0	-0.3
LPA	ePPP	PPP				03 26 26.0	
LPA	eSS	SS				03 41 54.0	+0.3
PMSA	Palmer Station	158.43	145	PKP	PKPdf	03 18 25.8	-2.1
comp=Z,16nm,0.8s,baz=192,slow=0.7,SNR=17							
PMSA	PKPab	PKPab	03 19 08.2	+1.3			
comp=Z,744nm,0.8s,baz=244,slow=4.6,SNR=14							
TRIS	Tristan da Cun	158.40	300	ePKPdf	PKPdf	03 18 30.1	0.0
HO9W1	TRISTAN DA CUNI	159.51	300	PKP	PKPdf	03 18 30.4	+0.3
HO9W1	PKPab	PKPab	03 19 12.9	+0.5			
EFI	East Falkland	165.08	106	ePKP	PKPdf	03 18 33.2	-2.1
EFI	East Falkland	165.08	106	ePKP	PKPdf	03 18 33.0	-2.1
HOPE	Hope Point	175.33	167	ePKPdf	PKPdf	03 18 39.7	-0.8
HOPE	ePKPab	PKPab	03 20 22.7	+0.9			

TEH 14 03:07:52.3,38'43N,46'69E,h10km,ML3.5, Iran-Armenia-Azerbaijan border region

Code	Station Name	Δ° AZ°	Op	Phase ID	Time Res
IHRS	Heris	0.29 112	eP	Pg	03 07 58.6 +0.3
IHRS	Tabriz	0.47 246	eP	Sg	03 08 04.4
ITBZ			eSg		03 08 08.6 +0.8
ITBZ			e		03 08 11.3
IMRD	Marand	0.83 290	e		03 08 25.9
comp=Z,36µm,0.2s					
IMRD	Shabestar	0.86 261	eP	Pg	03 08 07.9 -0.4
comp=Z,49µm,0.4s					
ISHB	Azarshahr	0.94 217	eP	Pg	03 08 09.0 +0.1
comp=Z,21µm,0.3s					
IAZR	Sarab	0.98 128	eP	Pg	03 08 10.5 -0.6
IAZR			eP		03 08 34.5
ISRB			eP		
comp=Z,19µm,0.2s					

GRMI	Germi	1.01 68	eP	Pg	03 08 11.5 -0.3
MAKU	Maku	1.82 301	eP	Pb	03 08 25.3 -0.6
ZNJk	Zanján	2.36 137	eP	Pb	03 08 33.5 -1.6
NDI 14 03:36:43.5,2.3,23'49N,94'00E,h30km,ML3.4					
ISC 14 03:36:44.8,2.1,23'57N,0'08-93'91E,0.09,h73km,n22, c=1893/36, Myanmar-India border region					
Code	Station Name	Δ° AZ°	Op	Phase ID	Time Res
AZL	Aizawl	1.13 279	eP	Pn	03 07 55.8 +0.6
AZL			eS		03 07 55.8 +0.6
IMP	Imphal	1.25 2	eP	Pn	03 07 08.2 +1.4
SAIH	SAIH	1.37 218	eP	Pn	03 07 07.9 +1.3
SAIH			eS		03 07 23.1 -2.8
SAIH			eS		03 07 30.9
comp=N,131nm,0.3s				IAML	
SAIH				IAML	03 07 31.1
comp=E,191nm,0.3s					
SHL	Shillong	2.71 318	eP	Pn	03 07 28.8 +2.6
SHL			eS		03 07 59.8 +1.7
SHL			eS		03 08 00.4
comp=N,227nm,0.1s				IAML	
SHL				IAML	03 08 00.4
comp=E,169nm,0.1s					
MOKO	MOKOCHONG	2.79 11	eS	Pn	03 08 00.1 0.0
GUWA	GUWAHATI	3.29 323	eP	Pn	03 07 35.3 +1.3
GUWA			eS		03 08 11.4 -0.7
GUWA			eS		03 08 14.6
comp=E,68nm,0.1s				IAML	
GUWA				IAML	03 08 14.6
comp=N,96nm,0.1s					
TURI	Tura	3.80 302	eP	Pn	03 07 42.6 +1.6
TURI			eS		03 08 24.1 -0.5
TURI			eS		03 08 29.6
comp=E,327nm,0.1s				IAML	
TURI				IAML	03 08 29.6
comp=N,579nm,0.2s					
ZIRO	ZIRO	3.94 359	eP	Pn	03 07 43.5 +0.4
ZIRO			eS		03 08 26.5 -1.6
ZIRO			eS		03 08 33.5
comp=N,78nm,0.3s				IAML	
ZIRO				IAML	03 08 33.8
comp=E,64nm,0.1s					
LKP	Lekhapani	4.14 25	eS	Pn	03 08 28.3 -4.3
DHUB	DHUBRI	4.31 305	eP	Pn	03 07 48.5 -0.7
DHUB			eS		03 08 35.4 +1.4
DHUB					

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NCU National Centr, NCUH Zhongli, TWDC Chiawan, etc.

NNC 14 05:30:47.4 ± 1.4, 44.43N, 84.32E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=11.5km s-min=5.6km az=110.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARXS Chushkaly, KOTS Kotyrbulak, MDOK Medeo, etc.

AAE 14 05:52:19.7 ± 1.0, 10.46N, 43.82E, h6km, 999km, Error ellipse: s-maj=12.1km s-min=5.9km az=5.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HARA HARA, ATA Atar, MCAD Moucha, etc.

IDC 14 06:05:18.1 ± 6.5, 14.51N, 92.29W, h0km, mb3.7/6, Error ellipse: s-maj=12.9km s-min=5.9km az=110.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, TX31 Lajitas Array, MIAR Mount Ida, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DJR Jarkent, MK31 Makanchi Array, PDGK Podgornoye, etc.

MOS 14 06:16:52.5 ± 1.1, 51.31N, 93.18E, h10km, mb4.0/2, Error ellipse: s-maj=14.4km s-min=9.2km az=29.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARXS Arharly, CHKK Chushkaly, MDOK Medeo, etc.

IDC 14 06:16:52.9 ± 0.6, 51.30N, 93.18E, h10km, n37, Error ellipse: s-maj=17.0km s-min=10.0km az=174.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HVS Khovu-Aksy, KZLR Kyzyl, CERR Chermushki, etc.

SOME 14 06:16:27.9 ± 2.7, 43.70N, 84.27E, h10km, Error ellipse: s-maj=34.3km s-min=10.5km

Table of astronomical observations for 14d 9h, listing stations like FUORN, ALN, FETA, TUE, MBDF, WATA, DAVOX, CONA, MOTA, BNI, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2012 AUG, listing stations like NOA, NORSAR Array B, NBO03, NB201, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2012 AUG, listing stations like PDAR, ISCO, BMO, S22A, etc., with columns for station name, coordinates, and observation details.

IDC 14 09:30:00.2, 3.23, 125.17154E, h0km, mb1 3/9, mb1 4/24, mb1 mx3/7.40, mb1 mx3/9.4, ML3.7/1. Error ellipse: s-maj=127.1km s-min=29.1km az=165.0, Southeast of Loyalty Islands

Table of astronomical observations for IDC 14 09:30:00.2, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

IDC 14 09:30:51.7, 3.1, 53.74N, 88.04E, h0km, mb1 2.6/2, mb1 mx2.6/67, mb1 mx2.6/2, ML2.3/2, Error ellipse: s-maj=25.1km s-min=17.5km az=58.0, Southwestern Siberia

Table of astronomical observations for IDC 14 09:30:51.7, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

IDC 14 09:34:34.2, 596.0, 50.94N, 114.57E, h0km, Error ellipse: s-maj=212.7km s-min=129.2km az=62.0, Tuva-Buryatia-Mongolia border region

Table of astronomical observations for IDC 14 09:34:34.2, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

IDC 14 09:38:45.6, 2.8, 53.58N, 87.81E, h0km, mb1 3.2/2, mb1 mx2.6/68, mb1 mx2.6/2, ML3.0/2, Error ellipse: s-maj=23.6km s-min=14.8km az=60.0, Southwestern Siberia

Table of astronomical observations for IDC 14 09:38:45.6, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

ISCJB 14 09:50:16.8, 0.4, 39.08N, 10.03, 29.11E, 0.03, h9km, 3km, Error ellipse: s-maj=4.7km s-min=3.7km az=162.3, DDA 14 09:50:16.1, 39.12N, 29.11E, h7km, ML2.5, ISK 14 09:50:16.6, 39.06N, 29.11E, h7km, ML2.1/6, ISC 14 09:50:16.8, 0.9, 39.09N, 10.03, 29.12E, 0.03, h11km, 6km, n17, 032322, Turkey

Table of astronomical observations for ISCJB 14 09:50:16.8, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

KRNET 14 09:54:18.3, 0.1, 41.28N, 107.99E, h17km, mb2.3, SOME 14 09:54:19.3, 41.25N, 107.05E, h5km, NINC 14 09:54:20.3, 41.36N, 107.49E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=37.4km s-min=13.6km az=10.0, ISC 14 09:54:18.8, 0.1, 41.29N, 107.03, 29.12E, 0.04, h9km, 12km, n20, 253036, 19C-10D, Kyrgyzstan

Table of astronomical observations for KRNET 14 09:54:18.3, listing stations like Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC.

Table with columns: IUG, IUG, BTk, BTk, ARSB, ARSB, MNAS, MNAS, DRK, DRK, KK31, KK31, AML, AML, BRLS, BRLS, MRKS, MRKS, SFK, SFK, EKS2, EKS2, EKS2, AAK, AAK, AAK, KZA, KZA, USP, USP, TKM2, TKM2, TKM2, ULHL, ULHL, KST, KST, BTLS, BTLS, BTLS. Includes station names, coordinates, and various codes.

IDC 14 10:08:56.3-0.7, 15:48S-173.18W, h0km, mb4.2/11, mb1 4.5/12, mb1mx4.1/50, mbtmp4.3/12, ML4.9/1, Error ellipse: s-maj=33.6km s-min=15.4km az=130.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations like AFI, AF1, KNTN, DZM, URZ, URZ, BKZ, H11S2, H11S3, H11S1, H11N3, H11N1, H11N2, AS01, AS31, ASAR, Vnda, ISA, PETK, PE1, MDPB, DAC, YBH, WAKR, BEKR, VCNR, RYN, NV01, NVAR, NV11, KVN, MOD, K05A, SHPR, BMN, WVOR, KS01, X16A, LCMT, J08A, U15A.

Table with columns: PSUT, PKCU, G08A, MSU, MFD, F10A, TMUT, HLID, SRU, TCUT, LTX, TX31, TX31, TXAR, PV21, PV12, PV01, ANMO, ANMO, REDW, S22A, SNOW, IMW, LOHW, WRH, FLYW, YHB, PD31, PDAR, PDAR, SMC0, ILAR, ILB, SDCO, N23A, HHC, HHC, HHC, LZH, LZH, LZH, LZH, LZH, LZH, LZH, KSH, BR101, BR102, ISCJB, NEIC, ISC, Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists various stations and codes.

ISCJB 14 10:16:16.3-0.5, 50:27N-108:03W, h0km, Error ellipse: s-maj=4.9km s-min=2.6km az=6.5

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like CHZP, CHZP, CHZP, OKC, OKC, MORC, OJC, OJC, OJC, MORC, LANS, LANS, NIE, NIE, NIE, KRCL, KRCL, DPC, DPC, VRAC, VRAC, KSP, KSP, KSP, VYHS, VYHS, KRUC, KRUC, PRU, BRG, BRG, KHC, KHC.

AZER 14 10:21:58.2-0.0, 38:40N-46:83E, h8km, 1km, m3.2/13, Error ellipse: s-maj=4.2km s-min=0.8km az=11.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Lists stations like IHRH, IHRH, ITBZ, ITBZ, ORD, ORD, ISRB, ISRB, ISRB, GRMI, GRMI, IMRD, IMRD, ISHB, ISHB, IAZR, IAZR, LRK, LRK, NAX, NAX, NAX, GLBA, GLBA, ASTR, ASTR, LKRN, LKRN, BRDA, BRDA, BRDA, MAKU, MAKU, ZRD, ZRD, HYR, HYR, ZJNK, ZJNK, GANJ, GANJ, GDB, GDB, QZX, QZX.

ISC 14 10:28:39.1-1.3, 38:55N-46:70E, h0km, 60km, ML3.7, AZER 14 10:28:44.0-1.0, 38:28N-46:58E, h6km, m4.1/27, Error ellipse: s-maj=6.1km s-min=1.0km az=25.0

14d 10h

2012 AUG

700

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONAO Songo Array, SHL Shilling, LSA Lhasa, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like KURK Kurchatov, KURBS Kuratov, KBK Karagaybulak, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other technical details. Includes stations like RND Reindeer, WRH Wood Hill, RAYN Ar Rayn, etc.

14d 12h

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

2012 AUG

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

702

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 703.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 2012 AUG.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 14d 12h.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NEW Newport, HATD Hatta, K05A Summer Lake, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like OMMB Old Mammoth Mt, SOC Sochi, NVAR Mina Array, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SPUT South Promonto, GSC Goldstone, GSC Goldstone, etc.

705

Table with columns: SRU, comp, pmax, pmax, and numerical data. Includes entries like PDMCI Parker Dam, Lak, Y12C Blythe, ILGA Glamis, etc.

2012 AUG

Table with columns: KSP, Ksiaz, 87.63 329, eP, P, 12 18 59.0 -0.1, etc. Includes entries like TUC Tucson, Q24A Tucson, MORC Moravsky Berou, etc.

14d 12h

Table with columns: VISS, Visnje, 91.90 326, eP, P, 12 19 18.7 -0.5, etc. Includes entries like BOJS Bojanci, H39A Augusta, K37A Belmond, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Sonseca Array, SONSACA Array, ESKdalemuir Ar, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KASHI, BOSA, SONAI, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SPIG, SPX, SPN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NATI, KSDI, OFRI, etc.

PDA 14 12:46:37.31.0.39,36N,29.79W,h10km,MD3.5,ML2.7, Error ellipse: s-maj=23.9km s-min=8.9km az=47.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCED, CALA, HOR, etc.

ISCJB 14 12:50:00.3.0.6.38,23N,0.05:143.43E,0.06,h19km, mb3.9/14, Error ellipse: s-maj=8.5km s-min=4.7km az=143.5

NIED 14 12:50:00.38,30N,143.40E,h8km,Mw3.9 Best double couple: M3.9,44000,1014, NP1=344,00000, 554,00000, 1.154,00000, NP2=89,00000, 370,00000, 1.39,00000,

JMA 14 12:50:02.4.0.2.36,34N,143.39E,h40km,M3.9, IDC 14 12:50:05.0.3.1.38,16N,143.40E,h42km,28km,mb3.7/13, mb1.3/8.16,mb1mx3.6/73,mbtmp3.9/16,ML3.7/3, Error ellipse: s-maj=24.1km s-min=19.0km az=83.0

ISC 14 12:50:01.1.0.7.38,21N,0.06:143.52E,0.07,h19km,n42, o164/44,mb3.9/14, Off east coast of Honshu

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

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

NIED 14 13:02:00.36,80N,142.10E,h20km,Mw4.3 Best double couple: M3.10000,1015, NP1=201,00000, 816,00000, 1.84,00000, NP2=28,00000, 874,00000, 1.92,00000,

ISCJB 14 13:02:18.7.0.4.36,70N,0.04:142.25E,0.04,h19km, mb4.2/39,MS3.9/5, Error ellipse: s-maj=5.6km s-min=4.2km az=142.6

BUJ 14 13:02:18.9.36,60N,141.98E,h14km,mb4.5/32,mb4.8/15, Ms4.2/13,Ms7.4/0.12

IDC 14 13:02:18.0.0.7.36,71N,142.16E,h0km,mb4.0/20, mb1.4/26,mb1mx4.0/74,mbtmp4.0/26,ML3.5/4,MS3.5/6, Ms1.3/5.6,ms1mx3.0/59, Error ellipse: s-maj=17.2km s-min=14.6km az=109.0

JMA 14 13:02:20.7.0.2.36,76N,142.06E,h17km,3km, M4.4 MOS 14 13:02:21.1.1.2.36,68N,142.20E,h29km,mb4.3/18, Error ellipse: s-maj=9.1km s-min=6.5km az=110.6

NEIC 14 13:02:21.9.1.5.36,70N,142.17E,h27km,10km,mb4.6/7, Error ellipse: s-maj=7.5km s-min=5.4km az=106.0

ISC 14 13:02:20.7.0.5.36,73N,0.05:142.27E,0.06,h19km,n115, o169/122,mb4.2/39,MS3.9/6,8C-2D,Off east coast of Honshu

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like USA0B, USRK, USRK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YAK, SEY, H1N2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1N1, H1N3, ENH, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1S1, H1S3, H1S2, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MK01, MK01, MK01, etc.

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

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

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

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

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like F41A Three Lakes, E39A Melien, D37A Cotton, G42A Mountain, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WCI Wyandotte Cave, N40A Murtquake, R47A Woolly Knot Far, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Z52A Williamson, S40A Lebanon, T41A Mountain View, etc.

NIED 14:14:18.00, 37.30N, 141.80E, h32km, Mw4.0 Best double couple: M=1.12000x10^15 NP1.0x30.00000, delta 18.00000, lambda -11.00000, NP2.0x232.00000, delta 73.00000, lambda -83.00000
ISCJB 14:14:18.26 9.0, 37.24N, 0.03-141.85E, 0.06, h40km, 6km, mb4.0/14, MS4.6/1, Error ellipse: s-maj=7.5km s-min=5.0km az=9.2
JMA 14:14:18.27 4.0, 1.37, 33N, 141.81E, h43km, 3km, M4.2
NEIC 14:14:18.29 9.0, 37.27N, 141.82E, h52km, 7km, mb4.7/4, Error ellipse: s-maj=8.2km s-min=6.1km az=110.0
NEIC Recorded [1 JMA] in Fukushima and Miyagi.
IDC 14:14:18.31 3.2, 3.3, 37.22N, 141.74E, h63km, 21km, mb3.6/12, mb1.3/8/17, mb1mx3.6/72, mbtmp3.9/17, MS4.5/1, MS1.4/5.1, ms1mx2.8/60, Error ellipse: s-maj=18.5km s-min=14.5km az=94.0
ISC 14:14:18.26 0.2, 3.3, 37.25N, 0.04-141.96E, 0.06, h23km, 17km, n69, c293/79, mb4.0/14, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like JFK Kawauchi, JFK JKF, ONAJ lwakimizushiy, ONAJ Marumori, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like LGNR, SRKR, TUMR, BZMR, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like MAJO, MJAR, INK, DLBC, HIA, etc.

Table with columns for call sign, name, frequency, and other details. Includes stations like MKAR, MAKZ, ISCO, ARCES, etc.

Table of station data for 717, including call signs (e.g., 038A, I43A), frequencies, and other technical details.

Table of station data for 2012 AUG, including call signs (e.g., V47A, W48A), frequencies, and other technical details.

Table of station data for 14d 15h, including call signs (e.g., BKI, BKTR), frequencies, and other technical details.

Table with columns: Station Name, Frequency, Power, and other technical details for Kurchatov Arra, WRA, and ASAR.

KRSC 14 16:17:27.8, 1.49, 92N, 156.89E, h44km, 1.7km, ML3.7, Kuril Islands

Table listing Kuril Islands stations including SKR, PAU, KDR, MIPR, ASAK, MTRV, RUS, RUS, KRMR, PET, DALK, AVH, SPN, GNL, and KBTR with their respective frequencies and power levels.

IDC 14 16:34:41.7, 5.1, 22.37S, 67.86W, h0km, mb3.9/1, mb1 3.9/2, mb1mx3.5/36, mbtmp3.8/2, ML3.6/1, Error ellipse: s-maj=155.0km s-min=53.3km az=64.0

Table listing stations for IDC 14 16:34:41.7, 5.1, 22.37S, 67.86W, including SJA, ACLA, VCA, CYA, AGUA, APPL, AMOG, RTLL, AHML, and AHML.

AZER 14 16:36:21.5, 0.5, 38.36N, 46.62E, h10km, 2.3km, ml3.5/15, Error ellipse: s-maj=25.9km s-min=5.8km az=17.0

Table listing stations for AZER 14 16:36:21.5, 0.5, 38.36N, 46.62E, including ISN, TEH, and IDC.

IDC 14 16:36:24.8, 1.1, 38.43N, 0.03, 46.58E, 0.02, h1km, 1.0km, n41, n19, 39.5S, mb3.2/4, 9C-15D, Iran-Armenia-Azerbaijan border region

Large table listing various stations for IDC 14 16:36:24.8, 1.1, 38.43N, 0.03, 46.58E, including IHR, ITBZ, ORD, IMRD, ISHB, IAZR, ISRB, GRMI, NAX, SBZ, LRK, GLBA, ASTR, MAKU, HYR, ZRD, ZRD, KDMR, GNI, ZNIK, GDB, GDB, GBS, POQA, SEKA, DZFX, ATGA, DDFL, DGRG, IGZV, OABG, TBLG, TBLG, AKH, IRAZ, IMHD, ONI, GEYT, AKTO, BVAR, and KURBB.

Table with columns: Station Name, Frequency, Power, and other technical details for GERES, MKAR, and NIED.

NIED 14 16:39:00.4, 0.30N, 143.80E, h11km, Mw3.7 Best double couple: M3.72000, 1014 NP1=355.00000, 83.00000, lambda=114.00000, NP2=203.00000, delta=59.00000, lambda=75.00000

IDC 14 16:39:52.6, 1.2, 40.25N, 144.08E, h0km, mb3.7/10, mb1 3.8/14, mb1mx2.6/71, mbtmp3.7/14, ML3.1/4, MS2.7/2, Ms1 2.7/2, ms1mx2.4/60, Error ellipse: s-maj=27.9km s-min=20.2km az=166.0

ISC/JB 14 16:39:54.4, 0.5, 40.34N, 0.03, 143.91E, h16km, mb3.6/10, Error ellipse: s-maj=6.3km s-min=3.1km az=34.5

JMA 14 16:39:56.4, 0.1, 40.34N, 143.79E, h28km, M3.7, IDC 14 16:39:55.2, 0.8, 40.29N, 0.05, 143.95E, 0.07, h16km, n36, s156.52, mb3.7/10, Off east coast of Honshu

Table listing stations for IDC 14 16:39:55.2, 0.8, 40.29N, 0.05, 143.95E, including JTH, MIY, JEM, JANG, JNK, JOM, JTM, JOT, JMK, JMK, JAI, JRG, JKB, JAK, JAK, JAR, JFR, JFR, JYK, JOU, NEM, ASAJ, ASAJ, ASAJ, MAT, MJAR, JHJ, JHU, USRK, USRK, JNU, SONM, ZALV, MKAR, KURBB, ILAR, BVAR, FINES, NVAR, NB2, NOA, TXAR, and others.

AZER 14 16:48:59.2, 0.2, 38.53N, 46.80E, h10km, 3km, ml3.5/9, Error ellipse: s-maj=11.0km s-min=2.1km az=22.0

TEH 14 16:49:00.2, 38.39N, 46.81E, h12km, ML3.2, IDC 14 16:48:59.9, 1.0, 38.42N, 0.03, 46.80E, 0.02, h11km, 1.0km, n19, n19, 39.5S, mb3.2/4, 9C-15D, Iran-Armenia-Azerbaijan border region

Table listing stations for AZER 14 16:48:59.2, 0.2, 38.53N, 46.80E, including IHR, IHR, ITBZ, ITBZ, NVAR, NB2, NOA, TXAR, and others.

Table with columns: Station Name, Frequency, Power, and other technical details for ISC 14 16:58:26.4, 1.0, 41.90N, 0.06, 138.76E, 0.09, h250km, n22, s1501.26, mb3.3/4, Eastern Sea of Japan

Table listing stations for ISC 14 16:58:26.4, 1.0, 41.90N, 0.06, 138.76E, 0.09, h250km, n22, s1501.26, mb3.3/4, Eastern Sea of Japan, including JOSH, JHST, JSH, JYM, JKB, JOT, JANG, JRJ, JNK, JFR, JYK, JCH, JMK, JKK, JJK, ASAJ, ASAJ, ASAJ, JAR, JAR, MJAR, TG, ZALV, MKAR, KURBB, ILAR, and others.

AZER 14 17:09:08.1, 0.4, 38.55N, 46.72E, h6km, 2.5km, ml3.2/9, Error ellipse: s-maj=21.5km s-min=4.2km az=14.0

TEH 14 17:09:09.9, 38.42N, 46.72E, h12km, ML3.1, IDC 14 17:09:09.5, 1.0, 38.45N, 0.03, 46.70E, 0.02, h11km, 1.0km, n19, n19, 39.5S, mb3.2/4, 9C-15D, Iran-Armenia-Azerbaijan border region

Table listing stations for AZER 14 17:09:08.1, 0.4, 38.55N, 46.72E, h6km, 2.5km, ml3.2/9, including IHR, IHR, ITBZ, ITBZ, ORD, ORD, IBST, IBST, IMRD, IMRD, IAZR, IAZR, ISRB, ISRB, GRMI, NAX, NAX, LRK, LRK, SHBZ, SHBZ, GLBA, GLBA, ASTR, ASTR, LKRN, LKRN, MAKU, MAKU, HYR, HYR, ZNIK, ZNIK, GEDABAY, GEDABAY, and others.

IDC 14 17:13:58.8, 2.7, 69S, 128.46E, h175km, 88km, mb2.7/1, mb1 3.0/5, mb1mx2.8/51, mbtmp3.3/5, Error ellipse: s-maj=86.1km s-min=23.6km az=39.0, Banda Sea

Table listing stations for IDC 14 17:13:58.8, 2.7, 69S, 128.46E, h175km, 88km, mb2.7/1, including BATI, FITZ, WRA, ASAR, ASAR, MKAR, and others.

IDC 14 17:24:19.9, 2.0, 23.48N, 141.92E, h105km, 21km, mb3.6/14, mb1 3.8/17, mb1mx3.6/70, mbtmp4.1/17, Error ellipse: s-maj=39.2km s-min=12.4km az=85.0

JMA 14 17:24:22.0, 1.2, 23.72N, 141.79E, h163km, 2km, M4.9, IDC 14 17:24:22.0, 1.2, 23.78N, 0.07, 142.0E, 0.2, h150km, n29, s212.31, mb3.7/14, Volcano Islands region

Table listing stations for IDC 14 17:24:22.0, 1.2, 23.78N, 0.07, 142.0E, 0.2, h150km, n29, s212.31, mb3.7/14, Volcano Islands region, including JHH, JHH, CBJ, CBJ, JCJ, JCJ, JHJ, JHJ, JHJ, JHJ, JRY, JRY, MJAR, MJAR, JNU, JNU, KSRS, KSRS, ASAJ, ASAJ, USRK, USRK, and others.

ML3.7(AEIC).After AEIC.
NEIC Feit at Homer.
ISC 14 19:46:31.1-0.6,59.64N,0.04-152.89W,0.04,h97km,5km,
n208,0.1s,49/231,mB4,2/60,Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like AUG Augustine Isla, AUI Augustine Isla, ILM Iliamna, etc.

Table with columns: INK Inuvik, DIB Dawson Inlet, ATKA Atka Island, ADK Adak, KWB Kanaga Island, etc. Lists stations from Alaska to the Yukon region.

NNC 14 20:06:01.6-2.2,39.85N,70.20E,h2km,12km,mb3.2,
mpv2.9,Error ellipse: s-maj=16.3km s-min=8.4km az=44.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from Tajikistan like BATK Batken, BTK batz=54, DRK Karamyk, etc.

AZER 14 20:10:55.4-0.2,38.56N,46.77E,h15km,2ml,3.1/10,
Error ellipse: s-maj=16.1km s-min=4.4km az=18.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations from Azerbaijan like AZER Heris, AZER Tabriz, AZER Ordubad, etc.

KRNET 14 20:05:58.6-0.1,39.70N,70.18E,h9km,mb2.8
ISCJB 14 20:06:00.7-1.0,39.68N,0.05-70.22E,0.05,h10km,Error
ellipse: s-maj=8.5km s-min=4.9km az=28.5

SOME 14 20:06:01.9,39.93N,70.20E,h0km

IRAZ	Razeghan	3.97 139	ePn	Pn	20 11 59.0	+1.5
IRAZ	comp-Z,508nm,0.6s				20 12 11.1	
ONI	Oni	4.83 330	P	Pg	20 12 27.2	-1.7

NEIC 14 20:13:05.6:0.6,44:16N:105:31W,h0km,ML3.0,Error ellipse: s-maj=11.7km s-min=7.3km az=161.0,Suspected Mining explosion.

NEIC 21 km [13 miles] SE of Gillette, IDC 14 20:13:06.1:1.3,44:86N:106:18W,h0km,mb1 3.6/3,mb1mx3.2/65,mbmp3.2/3,ML1.9/1,Error ellipse: s-maj=109.0km s-min=11.1km az=143.0

ISC 14 20:13:03.1:0.9,44:36N:107:105:45W,0.06,h0km,n12,az=178/14,Wyoming

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
RSSD	Black Hills	1.04 103	eP	Pn	20 13 24.1 -1.1
LAO	LASA Array	2.39 347	ePn	Pg	20 13 48.5 -0.4
RLMT	Red Lodge	2.82 287	ePn	Pb	20 13 54.0 -0.5
BW06	Boulder Array	3.38 243	ePn	Pn	20 14 00.1 +2.7
PDAR	Pinedale Array	3.36 243	ePn	Pb	20 14 01.5 -2.5
PDAR	5.7nm,0.3s,baz=82,slow=15,SNR=12				
PDAR	5.7nm,0.3s,baz=68,slow=35,SNR=7.4				
DGMT	Dagmar	4.20 111	ePn	Pb	20 14 15.6 -2.3
OCNE	Ogallala	4.24 142	ePn	Pn	20 14 09.0 0.9
HWUT	Hardware Ranch	5.26 241	ePn	Pn	20 14 25.4 +2.3
DUG	Dugway, Tooele	6.86 235	ePn	Pn	20 14 45.9 +0.8
ULM	Lac du Bonnet	8.77 44	Pn	Pn	20 15 12.7 +1.6
ULM	0.2nm,0.3s,baz=235,slow=12,SNR=2.5				
ULM	0.3nm,0.3s,baz=220,slow=16,SNR=2.1				
ULM	0.3nm,0.3s,baz=323,slow=10,SNR=3.2				
NVAR	Mina Array Bea	11.32 243	Pn	Pn	20 15 47.6 +1.3
NVAR	0.1nm,0.3s,baz=70,slow=30,SNR=1.5				
GLMI	Grayling	14.85 81	Pn	Pn	20 16 34.9 +0.6

AZER 14 20:20:30.9:0.4,38:45N:46:63E,h5km,12km,ml3.1/12,Error ellipse: s-maj=17.3km s-min=3.4km az=21.0

TEH 14 20:20:32.9,38:40N:46:67E,h19km,ML3.0,ISC 14 20:20:33.6:1.0,38:36N:0:03:46:62E,0.02,h12km,10km,n23,az=193/35,12C-9D,Iran-Armenia-Azerbaijan border region

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
IHR5	Heris	0.33 93	eP	Pg	20 20 39.5 -0.9
IHR5	comp-Z,21μm,0.1s				
ITBZ	Tabriz	0.40 251	eP	Pg	20 20 41.7 +0.2
ITBZ	comp-Z,15μm,0.2s				
IBST	Bostanabad	0.70 162	eP	Pb	20 20 47.0 -0.8
IBST	comp-Z,8μm,0.4s				
ORD	Ordubad	0.75 319	P	Pb	20 20 47.1 -1.5
ISHB	Shabestar	0.80 264	eP	Pb	20 20 49.0 -0.5
IMRD	Marand	0.80 296	eP	Pb	20 20 48.4 -1.2
IAZR	Azarshahr	0.85 217	eP	Pb	20 20 50.7 +0.2
ISRB	Sarab	0.98 123	eP	Pb	20 20 51.3 -1.4
GRMI	Germi	1.09 66	eP	Pb	20 20 53.2 -1.3
NAX	Nakhchivan	1.20 313	P	Pb	20 20 55.5 -0.7
SBZ	Shahbuz	1.33 321	P	Pb	20 20 58.1 0.0
LRK	Lerik	1.38 78	P	Pb	20 20 58.5 -0.3
GLBA	Cilabad	1.64 57	P	Pb	20 21 03.4 -0.1
ASTR	Astara	1.71 83	P	Pb	20 21 05.2 +0.2
LKRn	Lenkeran, Azer	1.73 78	P	Pb	20 21 05.1 -0.1
LKRn	Maku	1.81 304	P	Pb	20 21 29.4 +0.3
MAKU	Hyderabad	1.93 315	P	Pb	20 21 07.9 -0.9
HYR	Zardab	2.08 23	P	Pb	20 21 34.8 -1.0
GANJ	Ganja	2.29 354	P	Pb	20 21 12.2 +1.0
ZNUK	Zanjan	2.35 135	P	Pb	20 21 15.5 -0.6
GDB	GEDABAY	2.45 344	P	Pb	20 21 14.8 +1.3
IML	Ismayilli	2.71 26	P	Pb	20 21 33.7 -0.8
IRAZ	Razeghan	3.97 137	ePn	Pn	20 21 49.3
IRAZ	comp-Z,142nm,0.4s				

IDC 14 20:32:56.6:0.6,35:60N:82:53E,h0km,mb4.2/4,mb1 4.3/30,mb1mx4.1/77,mbmp4.2/30,ML3.4/6,MS3.7/29,Ms1 3.7/29,ms1mx3.4/78,Error ellipse: s-maj=14.7km s-min=11.3km az=52.0

NEIC 14 20:32:57.4:1.6,35:62N:82:51E,h6km,10km,mb4.7/59,Error ellipse: s-maj=4.2km s-min=2.8km az=217.0

MOS 14 20:32:58.9:1.2,35:63N:82:58E,h28km,mb4.6/44,Error ellipse: s-maj=8.1km s-min=4.5km az=115.5

ISCJB 14 20:32:59.8:0.1,35:68N:0:02:82:52E,0.03,h33km,mb4.5/104,MS3.8/30,Error ellipse: s-maj=3.3km s-min=2.6km az=161.2

BUI 14 20:33:00.5,35:91N:82:48E,h7km,mb4.0/13,mb4.5/10,ML4.5/6,Ms4.1/17,Ms7.4/0.15

ISC 14 20:33:01.8:0.3,35:66N:0:04:82:46E,0.04,h35km,n303,az=156/294,mb4.5/106,MS3.8/30,1C-4D,Xizang

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
DHRM	DHARAMSHALA	6.15 238	eP	Pn	20 34 30.4 0.0
DHRM	SMLA	6.35 226	eP	Pn	20 35 42.6 +3.1
SMLA	Simla	7.31 316	eP	Pn	20 34 31.0 -1.5
KSH	Kashi	6.43 309	eP	Pn	20 35 45.1 +1.5
KSH	comp-N,4μm,6.4s				
KSH	comp-E,4μm,7.1s				
DDI	Dehra Dun	6.48 216	eP	Pn	20 34 34.5 -0.3
DANN	Dangsing	7.37 171	eP	Pn	20 34 47.6 +0.4
PRZ	Przheval'sk	7.51 336	ePn	Pn	20 34 48.6 -0.4
PRZ	Przheval'sk	7.51 336	ePn	Pn	20 34 48.6 -0.4
PYUN	Piuthan	7.55 176	eP	Pn	20 34 48.8 -0.8
CHCP	Chirah Chowk	7.84 258	eP	Pn	20 34 58.1 +4.7
GKN	Gorkha	7.85 166	eP	Pn	20 34 55.0 +1.3
KOLN	Koldanda	7.92 173	eP	Pn	20 34 54.5 -0.2
PDGK	Podgornoye	8.00 344	eP	Pn	20 34 56.5 +0.9
KKN	Kakan	8.20 162	eP	Pn	20 35 00.3 +1.7
GUN	Gumba	8.25 158	eP	Pn	20 35 01.6 +2.2
SFK	Sufi-Kurgan	8.31 304	eP	Pn	20 35 03.6 +3.5
DMN	Daman	8.34 164	eP	Pn	20 35 02.3 +1.9
PKIN	Phulchoki	8.44 162	eP	Pn	20 35 03.8 +2.0
JIRN	Jiri	8.58 157	eP	Pn	20 35 06.3 +2.4
CEP	Cherat	8.86 261	eP	Pn	20 35 11.1 +3.4

Code	Station Name	Δ° AZ'	Phase ID	Time	Res
				h m s	ISC
WMQ	Urumqi	9.09 25	P	Pn	20 35 11.8 +1.3
WMQ	comp-Z,260nm,3.7s				
WMQ	comp-N,1μm,11.1s				
WMQ	comp-E,1μm,7.5s				
WMQ	comp-Z,690nm,18.5s				
AAK	Ala-Archa	9.32 321	Pn	Pn	20 35 16.3 +2.6
AAK	0.4nm,0.3s,baz=129,slow=11,SNR=10				
AAK	0.9nm,0.3s,baz=115,slow=16,SNR=6.1				
AAK	0.4nm,0.3s,baz=100,slow=17,SNR=2.6				
AAK	comp-Z,443nm,19.2s,baz=118,slow=41				
AAK	Ala-Archa	9.32 321	Pn	Pn	20 35 14.8 +1.1
AAK	Ala-Archa	9.32 321	eP	Pn	20 37 53.7
AAK	Ala-Archa	9.32 321	eP	Pn	20 35 14.9 +1.1
THW	Thamme Wali	9.32 255	eP	Pn	20 35 15.1 +1.3
FRU1	Bishkek	9.37 322	ePn	Pn	20 35 13.7 -0.7
FRU1	Bishkek	9.37 322	ePn	Pn	20 35 13.7 -0.7
RAM1	Ramite	9.37 157	eP	Pn	20 35 14.8 +0.2
LSA	Lhasa	9.43 127	ePn	Pn	20 35 14.4 -1.1
ODAN	Odare	9.73 153	ePn	Pn	20 35 20.3 +0.8
KBL	Kabul	11.05 268	ePn	Pn	20 35 37.5 -0.1
KBL	Kabul	11.05 268	ePn	Pn	20 35 39.9 +2.3
MK01	Makanchi Array	11.10 359	ePn	Pn	20 35 36.5 -1.5
MK31	Makanchi Array	11.12 359	ePn	Pn	20 35 37.2 -1.1
MK31	Makanchi Array	11.12 359	ePn	Pn	20 35 37.2 -1.1
MK32	Makanchi Array	11.12 359	ePn	Pn	20 35 37.6 -0.7
MK32	Makanchi Array	11.12 359	ePn	Pn	20 38 54.7
MK32	Makanchi Array	11.12 359	ePn	Pn	20 40 44.0
MKAR	Makanchi Array	11.12 359	Pn	Pn	20 35 37.6 -0.7
MKAR	1.1nm,0.3s,baz=183,slow=14,SNR=1.6				
MKAR	0.3nm,0.3s,baz=179,slow=24,SNR=2.9				
MKAR	0.0nm,0.3s,baz=21,slow=36,SNR=2.4				
MKAR	comp-Z,174nm,19.1s,baz=174,slow=42				
MKAR	Makanchi Array	11.12 359	ePn	Pn	20 35 36.8 -1.5
MKAR	Makanchi Array	11.12 359	ePn	Pn	20 37 39.5 -2.0
MKAR	Makanchi Array	11.12 359	ePn	Pn	20 38 54.7
MKAR	Makanchi Array	11.12 359	ePn	Pn	20 35 36.8 -1.5
MAK2	Makanchi	11.14 358	ePn	Pn	20 35 37.5 -1.1
MAK2	Makanchi	11.14 358	ePn	Pn	20 35 37.5 -1.1
KK31	Karatay Array	11.86 312	ePn	Pn	20 35 47.2 -1.1
KK31	Karatay Array	11.86 312	ePn	Pn	20 35 47.2 -1.1
KKAR	Karatay Array	11.86 312	ePn	Pn	20 35 46.4 -1.9
KKAR	Karatay Array	11.86 312	ePn	Pn	20 35 46.4 -1.9
BOK	Bokarot	12.19 165	eP	Pn	20 35 50.1 -2.9
SHL	Shillong	12.91 139	ePn	Pn	20 35 59.9 -3.1
SHL	Shillong	12.91 139	ePn	Pn	20 35 58.6 -4.4
SHL	Shillong	12.91 139	ePn	Pn	20 35 59.9 -3.1
BHPL	Bhopal	13.13 201	eP	Pn	20 36 02.8 -3.0
BHPL	comp-Z,20nm,0.9s				
DGZ	Jazzator, Alita	14.49 13	P	Pn	20 36 23.2 -1.2
OTUK	Ortaysu	14.64 332	P	Pn	20 36 29.1 -3.1
NGP	Nagpur	14.76 193	eP	Pn	20 36 28.0 -0.1
BRDH	Baridhala	15.21 146	LR	LR	20 42 10.6
KURBB	Kurchatov Arra	15.22 350	Pn	Pn	20 36 30.4 -3.6
KURBB	comp-Z,0.0nm,0.3s,baz=173,slow=12,SNR=17				
KURBB	comp-Z,0.0nm,0.3s,baz=179,slow=26,SNR=2.4				
KURK	Kurchatov	15.30 351	ePn	Pn	20 36 30.4 -4.7
KURK	Kurchatov	15.30 351	ePn	Pn	20 36 35.5 +0.4
KURK	comp-Z,11nm,1.1s				
HVS	Khovu-Aksy	17.46 240	P	Pmax	20 37 03.7 +0.3
ZAA0	Zalesovo Array	18.36 4	eP	P	20 37 11.2 -2.0
ZAA0	comp-Z,18nm,1.1s				
ZALV	Zalesovo Beam	18.36 4	P	P	20 37 11.1 -2.2
ZALV	comp-Z,0.2nm,0.3s,baz=189,slow=11,SNR=17				
ZALV	comp-Z,0.0nm,0.3s,baz=179,slow=26,SNR=2.4				
ZALV	comp-Z,74nm,18.5s,baz=244,slow=43				
ZALV	Zalesovo Beam	18.36 4	eP	P	20 37 09.8 -3.4
ZALV	Zalesovo Beam	18.36 4	eP	P	20 37 09.9 -3.4
ZAA1	Zalesovo Array	18.37 4	eP	P	20 37 11.1 -2.2
ZAA1	comp-Z,11nm,1.1s				
CD2	Chengdu	18.41 99	P	Pn	20 37 22.6 +8.3
CD2	comp-Z,10.0nm,0.5s				
CD2	comp-Z,160nm,4.6s				
CD2	comp-Z,690nm,8.6s				
CD2	comp-Z,750nm,10.3s				
CD2	comp-Z,890nm,10.1s				
HYB	Hyderabad	18.50 192	P	Pn	20 37 16.0 +0.6
HYB	Hyderabad	18.50 192	eP	Pn	20 37 14.3 -0.8
HYB	comp-Z,141nm,2.6s				
POO	Poona	18.69 206	eP	P	20 37 16.7 -0.4
NVS					

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUM0, GUM1, GUM2, GUM3, etc.

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

IDC 14 21:33:47.2.2, 4.36S, 129.45E, h0km, mb3.4/1, mb1 3.5/3, mb1mx3.8/70, mbtmp3.4/3, ML3.4/2, Error ellipse: s-maj=118.0km s-min=31.0km az=69.0, Banda Sea

SJA 14 21:50:24.7.0.6, 26.07S, 66.09W, h140km, ML3.8, MW3.6, Catamarca Province

IDC 14 21:40:11.0.0.4, 15.10N, 05.147.32E, h0.06, h18km, mb3.9/19, MS3.1/4, Error ellipse: s-maj=9.1km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like K02D, CWC, I04A, TPNV, MFID, DAC, D05C, FURC, VES, I03D, P04B, PSUT, H04D, BMO, G08A, SHPR, H04D, CCUT, NLU, CM2T, F10A, MSU, HWUT, TCUT, PKCU, TMLT, MCMT, U15A.

ISCJB 14 22:41:32.70.9.0.50.0N:0.2:145.7E:0.7, h600km, mb3.1/3, Error ellipse: s-maj=63.6km s-min=12.2km az=14.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ, MA2, SEY, MAT, MJAR, FINES, WRA, ASAR.

SOME 14 22:45:45.5, 43.65N, 84.78E, h10km, NNC 14 22:45:49.5, 3.9, 43.68N, 84.50E, h26km, 17km, mb3.0, mpv2.6, Error ellipse: s-maj=31.4km s-min=13.0km az=115.0

ISC 14 22:45:47.0, 2.2, 43.62N, 0.008, 84.63E, 0.09, h10km, n15, c248/26, 6C-5D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KTMS, DJR, MK31, MAK31, MAK2, PDGK, SHLS, ZSN, UZB, KAPS, KPKS, SATY, TDK, CHKK.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes KURBB, OTUK.

ISCJB 14 22:51:26.2, 0.3, 35.74N, 0.003, 82.63E, 0.08, h10km, mb3.9/15, MS3.3/9, Error ellipse: s-maj=9.5km s-min=4.1km az=167.9

NEIC 14 22:51:27.8, 0.6, 35.67N, 82.66E, h10km, mb4.0/4, Error ellipse: s-maj=16.3km s-min=9.3km az=49.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PYUN, GKN, KOLN, KKK, GUN, DMN, JIRN, WMQ, WMQ, WMQ, WMQ, AAK, AAK, AAK, AAK, RAMN, ODAN, MKAR, MKAR, MKAR, KURBB, KURK, KURK, ZALV, ZALV, BVK, BVK, GEYT, SONM, SONM, CHTO, CHTO, CMMT, CMAR, AKTO, ARU, ARU, NRIK, NRIK, PSI, KRSR, BRTR, MLR, NB2, NOA, NOA, COLA, GERES, GERES, MDT, ILAR, WRA, TORD, ASAR.

JMA 14 23:46:48.8, 0.1, 24.37N, 121.43E, h6km, M3.1

ISCJB 14 23:46:48.5, 24.37N, 121.48E, h6km, ML3.6, B

ISC 14 23:46:49.0, 9.24, 37N, 121.49E, 0.01, h5km, 2km, Error ellipse: s-maj=2.5km s-min=1.7km az=43.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNS, NNS, ENA, NANB, NANB, NANB, ENTT, ENTT.

JMA 14 23:46:48.8, 0.1, 24.37N, 121.43E, h6km, M3.1

ISCJB 14 23:46:49.0, 9.24, 37N, 121.49E, 0.01, h5km, 2km, Error ellipse: s-maj=2.5km s-min=1.7km az=43.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNS, NNS, ENA, NANB, NANB, NANB, ENTT, ENTT.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WHF, YHNB, YHNB, TDCB, TDCB, TWD, TWD, TWE, TWE, NWLTL, HWA, CHGB, CHGB, TWC, TWC, TWC, ILA, ENLB, LIOB, LIOB, NSTT, NSTT, NSTT, WLTB, ESL, ESL, NTC, TATO, TATO, DPDB, SBCB, EOS1, EOS1, EOS1, HSN, NMLH, NCUH, NSU, NSU, NSY, TIPP, TIPP, EGFB, PTBSB, PTBSB, TWS1, NWF, NWF, WFSB, WFSB, WFSB, SSLB, TCU, YM04, YM10, YM10, YM10, NTST, TWB1, YM05, YM05, YM05, YM11, YM03, YM07, YM07, YM08, YM08, WJS, EHY, WCHH, TWY, YULB, YULB, YUS, YUS, TWY1, TWY1, CHN5, CHN5, WJK, WJK, WDLH, RLNB, FULB, FULB, YULB, YULB, TWCT, ELDTW.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include CHKT, CHY, TPUB, JYNG, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include KUR, YSS, USA0, USRK, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include NB2, NOA, NOA, AKAGS, etc.

ROM 15:00:06:15.2±0.1, 42.905N, 0.004x12.996E±0.006, h10km, ML1.2/9, Central Italy

Large table listing station codes (NRCA, CESSA, etc.), station names, and their respective Az, El, Phase ID, Time, and Res values.

NIED 14 23:56:00, 38.00N, 141.90E, h56km, Mw4.0 Best double couple: M1:26000x1015 N1:70000x852, 00000x142, 00000x0. NP2:249, 00000x858, 00000x1, 134, 00000x0.

ISCJB 14 23:56:36.0±0.5, 37.96N±0.03, 142.03E±0.05, h51km, 4km, Mb4.2/39, Error ellipse: s-maj=6.4km s-min=4.0km az=25.3

BUI 14 23:56:36.5, 38.00N, 141.90E, h46km, mb4.5/14, mb4.8/8, Ms4.7/3, Ms7.4/3

MOS 14 23:56:37.3±0.9, 38.02N±141.94E, h53km, mb4.4/23, Error ellipse: s-maj=9.1km s-min=7.0km az=86.1

JMA 14 23:56:39.0, 37.98N, 141.84E, h50km, 1km, M4.2 JMA Feat II J1.

NEIC 14 23:56:39.5±0.8, 37.96N±141.89E, h56km±6km, mb4.5/8, Error ellipse: s-maj=8.9km s-min=5.5km az=100.0

NEIC Recorded [2 JMA] in Amori and Iwate. IDC 14 23:56:39.5±0.5, 37.98N±141.82E, h50km±4km, mb3.8/21, mb1.4, 0/27, mb1mx3.8/78, mbtmp4.1/27, MS2.7/7, Ms1.2/77, ms1mx2.6/67, Error ellipse: s-maj=14.0km s-min=9.8km az=96.0

ISC 14 23:56:37.5±0.5, 37.86N±0.04, 142.08E±0.05, h46km±3km, h46km±pp-P, n99, e1986/126, mb4.3/39, 2C-1D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include JIO, JMM, JJK, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include ILAR, ILAR, OTUK, etc.

DDA 15:00:42.2, 37.34N, 26.69E, h4km, M12.7, Dodecanese Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Rows include DGB, zmir.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like DGB, GCAM, URLA, AYDN, AKHS, MANT.

ISCJB 15 00:21:19.9-0.4, 57.71N-101.32E, h10km, mb3.9/30, MS3.7/41, Error ellipse: s-maj=14.0km s-min=6.8km az=2.3

IDC 15 00:21:20.6-0.7, 57.68N-101.32E, h10km, mb3.8/19, ms1.3/46, ms1mx3.6/68, Error ellipse: s-maj=20.9km s-min=13.2km az=8.0

NEIC 15 00:21:21.6-0.4, 57.67N-101.32E, h10km, mb4.2/8, Error ellipse: s-maj=11.9km s-min=6.0km az=1.0

ISC 15 00:21:19.0-0.7, 57.77N-101.32E, h10km, n70, 0.92Z/37, mb4.0/30, MS3.6/42, Reykjan Ridge

Main table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like BORG, SFJD, EKA, JMJC, FRB, SCHQ, NB2, NOA, HFS, ESDC, SPITS, GRFO, CLL, ARCS, BRG, DAVOX, RES, GERES, GERVES, FINES, VRAC, MDT, MDT, KEST, KIEV, AKASG, VAE, ULM, ULM, YFC, YKA, TKL, IDI, BRTR, ARU, KBZ, KBZ, BOZ, ILAR, ILAR, PDAR, PDAR, WMOK, AKTO, AKTO, HWUT, HLD, GNI, MMAI, TORD, TORD, ANMO, BVAR, BVAR, DBIC, DBIC, TXAR, TXAR, YBHF, YBHF.

Table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like NVAR, ZALV, KURB, GEYT, MKAR, LPIG, H10N2, H10N1, H10N1, H10N1, H10N2, H10N2, SONM, SONM, BDFB, KMBO, KRSR, CPUP, TSUM, COMA, BOSAR, ASAR.

ISK 15 00:21:40.7, 37.77N-26.67E, h19km, ML2.0/4, DDA 15 00:21:44.1, 37.88N-26.72E, h6km, ML2.6

ISC 15 00:21:40.9-1.6, 37.77N-26.67E, h10km, 12km, n13, 0.065/23, Dodecanese Islands

Table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like DGB, DGB, GCAM, URLA, BLCB, BLCB, BODT, BODT, AYDN, AYDN, AYB, AYB, DKL, DKL, AKHS, AKHS, MANT, MANT, STEP, STEP, BAYC, BAYC, BALLY, BALLY.

IDC 15 00:21:51.2-1.9, 46.95N-153.53E, h0km, mb3.8/10, mb1.4/0.11, ms1mx2.7/69, mbmp3.9/11, ML2.9/1, MS2.7/2, Ms1=2.72km, ms1mx2.2/69, Error ellipse: s-maj=50.8km s-min=22.7km az=157.0

ISCJB 15 00:21:53.9-1.5, 46.9N-103.3E, h31km, mb3.8/10, MS2.5/1, Error ellipse: s-maj=42.4km s-min=14.9km az=149.8

ISC 15 00:21:55.6-1.8, 46.9N-103.3E, h31km, n19, 0.081/12, mb3.9/10, Kuril Islands

Table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ASAJ, MA2, KRSR, KRSR, H1N2, H1N1, H1N1, H1N1, H1S3, H1S2, INK, MKAR, FINES, NB2, NOA, HFS, HFS, TXAR, TXAR, GERVES, GERVES, MMAI, MMAI.

TAP 15 00:23:57.8, 23.75N-121.50E, h7km, ML2.2, 2D, C, Taiwan

Table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ESL, ESL, EGFH, EGFH, ENLB, EHY, EHY, TWD, TWD, YULB, YULB, TWFF, TWFF, WHF, WHF, DDLB, DDLB, TYC, TYC.

Table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like ALS, ALS, TPUB, TPUB.

NIED 15 00:23:00.23, 70N-121.30E, h5km, Mw3.8 Best double couple: M5.05000/1014 NP1.199.00000; 831.00000, 1.86.00000, NP2.25.00000; 859.00000; 1.93.00000

JMA 15 00:23:59.1, 23.74N-121.30E, h12km, 2km, M3.6, ISCJB 15 00:24:02.1, 23.73N-121.50E, h12km, 2km, M3.6

ISC 15 00:24:02.5, 0.9, 23.73N-121.50E, h9km, 6km, n95, 0.063/133, 1C-10D, Taiwan

Main table listing seismic stations with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Includes stations like EGFH, EGFH, ESL, ESL, ENLB, ENLB, HWA, HWA, EHY, EHY, TWD, TWD, YULB, YULB, YULB, YULB, CHGB, CHGB, WHF, WHF, WHF, WHF, SSLB, SSLB, SSLB, SSLB, FULLB, FULLB, YUS, YUS, YUS, YUS, TWT, TWT, TWT, TWT, TDCB, TDCB, TDCB, TDCB, DPDB, DPDB, DPDB, DPDB, CHKT, CHKT, CHKT, CHKT, TYC, TYC, TYC, TYC, ENA, ENA, NANB, NANB, ALS, ALS, ALS, ALS, NNS, NNS, EDLW, EDLW, WJS, WJS, WJS, WJS, WNT, WNT, WNT, WNT, CHNS, CHNS, CHNS, CHNS, HNTS, HNTS, HNTS, HNTS, TCU, TCU, TCU, TCU, WGK, WGK, WGK, WGK, TWC, TWC, STYT, STYT, STYT, STYT, WDLH, WDLH, WDLH, WDLH, YHNB, YHNB, YHNB, YHNB, TPUB, TPUB, TPUB, TPUB, NSK, NSK, NSK, NSK, EOKI, EOKI, WCHH, WCHH, TWE, TWE, WTP, WTP, WTP, WTP, ENLB, ENLB, EHY, EHY, TWD, TWD, YULB, YULB, TWFF, TWFF, WHF, WHF, DDLB, DDLB, TYC, TYC.

Table with columns for location, time, and status. Includes entries like Paradox Valley, Cone Mtn., Saucer Basin, etc.

Table with columns for location, time, and status. Includes entries like RWVWY Rawlins, RWWY Divide, etc.

Table with columns for location, time, and status. Includes entries like R40A Maddies Statio, R40B Maddies Statio, etc.

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

DDA 15 08:11:42.3, 38.771N, 43.17E, h7km, ML2.6
ISK 15 08:11:38.7, 38.433N, 43.20E, h26km, 1km, ML2.1/3,

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

ISC/JB 15 08:25:29.3, 1.0, 57.72N, 0.2, 32.7W, 0.2, h10km, mb3.8/9, MS3.7/4, Error ellipse: s-maj=21.7km s-min=17.8km az=2.8

ISC 15 08:25:29.1, 1.1, 57.72N, 0.2, 32.7W, 0.1, h10km, mb3.7/9, mb1.3/9, mb1mx3.5/7.9, mbmt3.7/9, MS3.5/6, Ms1.3/5.6, ms1mx3.1/7.2, Error ellipse: s-maj=33.1km s-min=24.9km az=7.0

ISC 15 08:25:31.1, 1.0, 57.55N, 0.2, 32.8W, 0.1, h10km, n20, @120/12, mb3.7/9, MS3.7/4, Reykjanes Ridge

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

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

ISC/JB 15 08:27:12.5, 1.4, 57.61N, 0.2, 32.9W, 0.3, h10km, mb3.8/8, Error ellipse: s-maj=26.7km s-min=22.5km az=166.2
IDC 15 08:27:13.1, 1.1, 57.52N, 0.2, 32.9W, h0km, mb3.7/8, mb1.3/7.9, mb1mx3.5/7.4, mbmt3.7/9, ML3.5/1, Error ellipse: s-maj=29.5km s-min=27.2km az=176.0

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

MEX 15 08:28:37.0, 17.212N, 96.11W, h113km, 6km, MD3.9, Oaxaca

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

IDC 15 08:34:57.2, 0.8, 57.81N, 0.2, 32.7W, h0km, mb3.8/18, mb1.4/0.18, mb1mx3.8/17, mbmt3.8/18, MS3.9/8, Ms1.3/9.8, ms1mx3.4/3.6, Error ellipse: s-maj=23.3km s-min=14.8km az=7.0

ISC/JB 15 08:34:58.6, 0.3, 57.84N, 0.0, 32.56W, 0.08, h18km, K3.9/28, MS3.6/5, Error ellipse: s-maj=9.2km s-min=6.1km az=166.8

NEIC 15 08:34:59.1, 0.3, 57.79N, 0.2, 32.58W, h10km, mb4.4/9, Error ellipse: s-maj=11.2km s-min=6.3km az=177.0

ISC 15 08:35:00.5, 0.6, 57.80N, 0.1, 32.63W, 0.08, h18km, n62, @122/13, mb4.0/28, MS3.6/5, Reykjanes Ridge

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

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

ISC/JB 15 08:35:49.8, 0.7, 58.22N, 0.1, 32.7W, 0.1, h18km, mb3.6/16, MS3.5/3, Error ellipse: s-maj=20.8km s-min=10.9km az=6.0

IDC 15 08:35:49.2, 0.8, 58.22N, 0.2, 32.61W, h0km, mb3.6/16, mb1.3/7.1, mb1mx3.6/7.2, mbmt3.6/17, ML3.8/1, MS3.5/3, Ms1.3/5.3, ms1mx3.2/2.7, Error ellipse: s-maj=27.0km s-min=15.7km az=1.0

ISC 15 08:35:51.5, 0.8, 58.11N, 0.2, 32.65W, 0.10, h18km, n28, @087/19, mb3.5/16, MS3.6/3, Reykjanes Ridge

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

ISC/JB 15 08:38:49.9, 0.4, 59.77N, 0.0, 153.31W, 0.07, h142km, 3km, mb3.5/1, Error ellipse: s-maj=5.9km s-min=4.4km az=27.1

IDC 15 08:38:50.7, 8.3, 59.96N, 1.53, 153.52W, h116km, 73km, mb3.4/1, mb1.3/4.4, mb1mx2.9/8.1, mbmt3.7/4, Error ellipse: s-maj=65.9km s-min=36.0km az=17.0

NEIC 15 08:38:51.8, 0.0, 59.75N, 1.53, 153.31W, h138km, ML3.2(AEIC), After AEIC

ISC 15 08:38:50.6, 1.0, 59.77N, 0.0, 153.31W, 0.05, @142/27, h7km, n79, @071/90, Southeast Alaska

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

ISC/JB 15 08:38:49.9, 0.4, 59.77N, 0.0, 153.31W, 0.07, h142km, 3km, mb3.5/1, Error ellipse: s-maj=5.9km s-min=4.4km az=27.1

IDC 15 08:38:50.7, 8.3, 59.96N, 1.53, 153.52W, h116km, 73km, mb3.4/1, mb1.3/4.4, mb1mx2.9/8.1, mbmt3.7/4, Error ellipse: s-maj=65.9km s-min=36.0km az=17.0

NEIC 15 08:38:51.8, 0.0, 59.75N, 1.53, 153.31W, h138km, ML3.2(AEIC), After AEIC

ISC 15 08:38:50.6, 1.0, 59.77N, 0.0, 153.31W, 0.05, @142/27, h7km, n79, @071/90, Southeast Alaska

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

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like Crater Peak Br, Spurr Capps G1, Katmai Knife C, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like YER Yeresik, MLBS Milas, TUR Turunc, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like TRB Trabzon, MAC MACK, ESP Espiye-Giresun, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like Lac Salante, SMUR Muraz-Reservoir, SMUR Gryon, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like HINF comp=N,11nm,0.3s, HAU Haudompre, VIVF Saint-Julien-1, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO 11nm,0.3s, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like KRAR 15 09:13:23.4, NNC 15 09:13:23.6, IDC 15 09:13:24.9, etc.

AZER 15 08:39:18.72, 8.28, 38.43N, 46.83E, h4km, 1km, m3, 1/19, Error ellipse: s-maj=2.9km s-min=1.0km az=16.0

TEH 15 08:39:21.0, 38.41N, 46.86E, h12km, ML3.1, Error ellipse: s-maj=2.3km s-min=1.0km az=16.0

ISC 15 08:39:21.4, 1.38, 27N, 0.03, 46.82E, 0.03, h9km, 8km, n28, 0.15/45, 13C-15D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like Heris, Tabriz, Bostanabad, Sarab, Azarshahr, Marand, Lerik, Nakhchivan, etc.

ISK 15 08:41:36.5, 37.21N, 28.19E, h7km, ML2.1/6, Error ellipse: s-maj=4.1km s-min=2.8km az=36.2

ISCJB 15 08:47:30.0, 0.2, 46.15N, 0.01, 6.82E, 0.02, h9km, 2km, Error ellipse: s-maj=2.7km s-min=2.1km az=167.8

ROM 15 08:47:30.7, 0.1, 46.153N, 0.009, 6.88E, 0.01, h10km, ML1.5/3

ZUR 15 08:47:30.3, 46.17N, 6.84E, h-1km, 2km, ML1.8/7, Error ellipse: s-maj=2.7km s-min=2.1km az=167.8

LDG 15 08:47:31.3, 0.1, 46.156N, 6.92E, h2km, ML2.4/3, ML2.5/25, Error ellipse: s-maj=2.0km s-min=1.5km az=82.0

ISC 15 08:47:30.5, 0.46, 16N, 0.02, 6.87E, 0.02, h8km, 6km, n57, 0.09/83, 6C-2D, Switzerland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like Lac Salante, SMUR Muraz-Reservoir, SMUR Gryon, etc.

KRAR 15 09:13:23.4, 0.3, 53.69N, 88.05E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012)

NNC 15 09:13:23.6, 3.3, 53.44N, 87.80E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=26.5km s-min=13.5km az=62.0

ISC 15 09:13:24.9, 2.5, 53.54N, 87.80E, h0km, mb1 3.5/3, mb1mx3.7/6, mbtmp3.5/3, ML3.3/3, 6C-6D, Error ellipse: s-maj=21.9km s-min=13.2km az=60.0, Southwest Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO 11nm,0.3s, etc.

Table with columns: BVAR, Borovoye Array, 10.44 274 Pn, Pn, 09 15 54.9 -0.8

Table with columns: BVAR, Borovoye Array, 10.44 274 Pn, Pn, 09 15 54.9 -0.8

Table with columns: DDA, 15 09:20:01.6, 41°66N, 42°12E, h7km, M12.6, Turkey-Georgia-Armenia border region

IDC 15 09:21:36.9, 0.9, 59.75N:150.46W, h0km, mb3.3/2, mb1 3.7/5, mb1mx3.3/80, mbmtpp3.3/5, ML2.9/3, Error ellipse: s-maj=25.8km s-min=8.4km az=114.0

NEIC 15 09:21:39.0, 0.0, 60.04N:151.40W, h49km, ML3.2(AEIC), After AEIC.

NEIC Felt [I] at Homer. Also felt at Cooper Landing.

ISC 15 09:21:35.9, 1.2, 60.03N:0.02:151.30W:0.03, h17km, g3km, n93, a1527/106, Kenai Peninsula

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

NEIC 15 09:21:44.8 & 0.0, 16°61N:94°93W, h111km, MD4.0(MEX), After MEX.

MEX 15 09:21:44.8 & 0.0, 16°61N:94°93W, h111km, MD4.0, Oaxaca

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

IDC 15 09:41:49.7, 0.5, 57.78N:32.70W, h0km, mb4.1/27, mb1 4.2/30, mb1mx4.0/74, mbtp4.1/30, ML3.5/3, MS4.1/25, Ms1 4.1/25, ms1mx3.8/74, Error ellipse: s-maj=17.0km s-min=10.4km az=175.0

MOS 15 09:41:50.3, 0.8, 57.91N:32.69W, h11km, mb4.7/36, Error ellipse: s-maj=11.5km s-min=7.4km az=65.3

BUI 15 09:41:50.3, 58.41N:33.13W, h10km, mb4.8/14, mb5.0/9, Ms4.7/2, Ms7.4/3/2

NEIC 15 09:41:51.9, 0.2, 57.86N:32.64W, h10km, mb4.6/46, Error ellipse: s-maj=5.6km s-min=2.6km az=175.0

ISCJB 15 09:41:51.4, 0.2, 57.88N:0.05:32.64W:0.04, h18km, mb4.5/81, MS4.1/34, Error ellipse: s-maj=6.7km

GCMT 15 09:41:51.9, 0.3, 58.04N:0.04:32.45W:0.04, h12km, MW4.9/83, Moment Tensor Solution, s1,c12: s83,c115; Duration: 0 Moment tensor; Scale 10^19Nm; Mr-2.37: 10; Mw0.13: 13; Mw0.25: 08; Mw1.44: 47; Mw0.85: 08; Mw-0.75: 35; Best double couple: Ms2.89300x10^16 NP1: 354.00000, 854.00000, lambda-125.00000. NP2: 32.2460000, 348.00000, lambda-52.00000. Principal axes: T 2.5620, Plg3.0000, Azm107.0000; N 0.6680, Plg28.0000, Azm16.0000; P -3.2240, Plg62.0000, Azm204.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 15 09:41:53.0, 0.4, 57.85N:0.07:32.66W:0.05, h18km, n193, a1527/173, mb4.5/82, MS4.1/34, 4C-1D, Reykjanes Ridge

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

Main station list table with columns: PRA, Prague, 28.26 85 AMS, AMS, 09 59 20.0

15d 10h

Table with columns: Code, Name, Time, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes entries like BATG Bathurst New B, MFF Saint Martin, LOF Lotofen, etc.

2012 AUG

Table with columns: Code, Name, Time, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes entries like VIVF Hammerfest, HAMF Hammerfest, SENIN Lac Senin/Sane, etc.

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Table with columns: Code, Name, Time, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes entries like DPC Dobruska-Polom, DPC Dobruska-Polom, NCB comp=Z,5um,15.4s, etc.

15d 10h

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like 044A Mansfield, K39A Delwein, S49A Springfield, etc.

2012 AUG

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like W52A Murphy, CPCT Cooper Cave, S46A Don Dixon Farm, etc.

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Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Rows include stations like N37A Lee Faris, Mou, U46A Springville, V47A Nunnely, etc.

U42A	Reviden	43.62 267	P	P	10 12 33.2 +0.1
455A	Stateville	43.66 254	P	P	10 12 34.0 +0.6
V43A	Jonesboro	43.68 265	P	P	10 12 33.3 -0.3
R38A	Fenwick Farm,	43.68 271	P	P	10 12 33.2 -0.4
Y47A	UCPARC, Winifre	43.69 261	P	P	10 12 33.6 0.0
ANN	Anapa	43.69 76	eP	eS	10 12 32.8 -0.8
ANN			eS	S	10 14 18.3
ANN			pmx	pmx	10 19 03.2 -0.5
ANN	comp=Z,51nm,1.1s		MLR	MLR	
T40A	Mansfield	43.71 268	P	P	10 12 34.0 +0.2
150A	Eclectic	43.73 258	P	P	10 12 34.7 +0.7
S39A	Bolivar	43.74 270	eP	P	10 12 34.0 -0.1
S39A	Bolivar	43.74 270	P	P	10 12 33.8 -0.2
W44A	Shelby Farms P	43.78 264	P	P	10 12 33.3 -1.1
353A	Camilla	43.79 255	P	P	10 12 34.7 +0.3
251A	Midway	43.82 257	P	P	10 12 35.2 +0.5
658A	Bunnell	43.83 251	P	P	10 12 35.0 +0.2
IDI	Anoyia	43.91 95	P	P	10 12 35.5 0.0
IDI	comp=Z,42nm,1.2s,baz=30,slow=8.1,SNR=4.5		LR	LR	10 32 14.6
IDI	comp=Z,1µm,18.1s,baz=302,slow=38				
IDI	Anoyia	43.91 95	iP	P	10 12 35.6 0.0
IDI	Anoyia	43.91 95	eP	P	10 12 36.1 +0.6
LRAL	Lakeview Retre	43.91 260	eP	P	10 12 35.7 +0.2
LRAL	Lakeview Retre	43.91 260	P	P	10 12 35.8 +0.4
HBAR	Harrisburg	43.91 265	eP	P	10 12 36.2 +0.8
556A	Lake Butler	43.94 252	P	P	10 12 36.2 +0.5
Z48A	Northport	43.94 260	P	P	10 12 35.7 0.0
454A	Outman	43.99 254	P	P	10 12 36.8 +0.7
U41A	Viola	43.99 267	P	P	10 12 36.1 0.0
657A	Intlerchen	44.00 252	P	P	10 12 36.2 0.0
OXF	Oxford	44.04 263	eP	P	10 12 36.0 -0.5
OXF	Oxford	44.04 263	eP	pmx	10 12 36.0 -0.5
OXF	Oxford	44.04 263	P	pmx	10 12 35.5 -1.0
352A	Blakely	44.05 256	eP	P	10 12 37.6 +1.0
352A	Blakely	44.05 256	P	P	10 12 36.9 +0.3
SIVA	Sivas	44.07 96	P	P	10 12 37.6 +0.9
S38A	Stockton	44.09 270	P	P	10 12 37.7 -0.2
X45A	UM Field Stati	44.10 263	P	P	10 12 36.0 -1.0
V42A	Cord	44.11 266	P	P	10 12 37.0 0.0
555A	McAlpin	44.13 253	P	P	10 12 37.4 +0.2
149A	Jones	44.14 259	P	P	10 12 37.8 +0.5
LAO	LASA Array	44.15 289	eP	P	10 12 37.1 -0.3
LAO	LASA Array	44.15 289	P	P	10 12 38.3 +1.0
758A	Lake Helen	44.17 250	P	P	10 12 37.6 0.0
453A	Whigham	44.23 255	P	P	10 12 38.3 +0.3
Y46A	Houston	44.23 262	P	P	10 12 37.4 -0.6
T39A	Clever	44.26 269	P	P	10 12 38.1 -0.2
W43A	Forest City	44.29 265	P	P	10 12 37.7 -0.8
Z47A	Carrollton	44.35 261	P	P	10 12 38.6 -0.4
250A	Grady	44.36 258	eP	P	10 12 39.9 +0.9
250A	Grady	44.36 258	P	P	10 12 39.7 +0.7
ILGA	Ilgaz	44.37 82	eP	P	10 12 42.0 +2.6
X44A	Crenshaw	44.44 264	P	P	10 12 38.6 -1.1
U40A	Yellville	44.48 268	P	P	10 12 40.0 0.0
148A	Greensboro	44.51 260	P	P	10 12 40.7 +0.4
656A	Willston	44.52 252	P	P	10 12 40.5 +0.2
554A	Perry	44.52 254	P	P	10 12 40.7 +0.3
V41A	Mountainview	44.54 267	P	P	10 12 40.3 -0.2
TAM	Tamanrasset	44.54 126	eP	P	10 12 42.1 +1.3
TAM	Tamanrasset	44.54 126	eP	pmx	10 12 42.1 +1.3
351A	Pinckard	44.56 257	P	P	10 12 41.3 +0.6
W42A	Bald Knob	44.59 266	P	P	10 12 40.7 -0.1
Y45A	Yeager Farm, C	44.61 263	P	P	10 12 40.3 -0.8
757A	Oxford	44.63 251	P	P	10 12 41.2 0.0
452A	Marianna	44.69 256	P	P	10 12 42.2 +0.5
T38A	Diamond	44.74 270	P	P	10 12 42.0 -0.1
859A	Kempfer Cattle	44.76 249	P	P	10 12 42.0 -0.2
655A	Horseshoe Beac	44.77 253	P	P	10 12 42.6 +0.2
RSSD	Black Hills	44.80 284	eP	P	10 12 43.3 +0.6
RSSD	Black Hills	44.80 284	eP	pmx	10 12 43.3 +0.6
RSSD	Black Hills	44.80 284	P	pmx	10 12 42.5 -0.2
U39A	Green Forest	44.80 269	P	P	10 12 42.3 -0.3
249A	Camden	44.80 259	P	P	10 12 43.0 +0.4
Z46A	Louisville	44.81 262	P	P	10 12 42.1 -0.6
X43A	Marvell	44.82 265	P	P	10 12 42.5 -0.2
553A	Crawfordville	44.82 255	P	P	10 12 43.8 +1.0
350A	Dozier	44.83 258	P	P	10 12 43.3 +0.5
147A	Livingston	44.86 261	eP	P	10 12 43.2 +0.1
147A	Livingston	44.86 261	P	P	10 12 42.4 -0.6
858A	St. Cloud	44.87 250	P	P	10 12 42.8 -0.3
V40A	Witts Springs	44.88 267	eP	P	10 12 43.3 +0.1
V40A	Witts Springs	44.88 267	P	P	10 12 43.3 +0.1
Y44A	Strider, Chari	44.89 263	P	P	10 12 42.3 -1.0
WHAR	Wooly Hollow	44.98 267	eP	P	10 12 44.0 -0.1
DWPF	Disney Wildern	44.98 250	P	P	10 12 43.9 -0.2

EGMT	Eagleton	45.01 292	eP	P	10 12 43.4 -0.8
EGMT	Eagleton	45.01 292	P	P	10 12 44.1 -0.1
248A	Dixons Mills	45.03 260	P	P	10 12 44.6 +0.2
W41B	Gary Mavity, V	45.05 266	eP	P	10 12 44.5 0.0
W41B	Gary Mavity, V	45.05 266	P	P	10 12 44.5 0.0
Z45A	Winona	45.07 262	eP	P	10 12 49.0 +4.2
Z45A	Winona	45.07 262	P	P	10 12 43.8 -1.0
HHAR	Hobbs	45.12 269	eP	P	10 12 44.8 -0.3
451A	Vernon	45.16 256	P	P	10 12 45.9 +0.5
X42A	Stuttgart	45.19 265	P	P	10 12 45.6 -0.1
959A	Okeechobee	45.19 249	P	P	10 12 46.2 +0.5
857A	Zephyrhills	45.26 251	P	P	10 12 46.4 +0.2
BR131	Keskin Array S	45.29 84	eP	P	10 12 48.5 +1.9
BRTR	Keskin Array B	45.29 84	P	P	10 12 47.0 +0.4
BRTR	comp=Z,24nm,1.0s,baz=316,slow=5.2,SNR=45		LR	LR	10 31 36.1
BRTR	Keskin Array B	45.29 84	iP	pmx	10 12 48.0 +1.4
BRTR	comp=Z,24nm,1.0s		pmx	pmx	
V39A	Pettigrew	45.29 268	P	P	10 12 46.1 -0.4
146A	Union	45.30 261	P	P	10 12 45.7 -0.9
Y43A	Makayla and Ka	45.31 264	P	P	10 12 46.2 -0.4
552A	Lynn Haven	45.31 255	P	P	10 12 46.4 -0.3
349A	Repton	45.33 258	P	P	10 12 47.1 +0.3
060A	Indiantown	45.34 248	P	P	10 12 47.2 +0.3
UALR	University of	45.40 266	eP	P	10 12 47.8 +0.5
BRAL	Brewton	45.40 258	P	P	10 12 47.4 0.0
450A	Crestview	45.45 257	P	P	10 12 48.0 +0.2
W40A	Ferguson Farm,	45.47 267	eP	P	10 12 48.1 +0.2
W40A	Ferguson Farm,	45.47 267	P	P	10 12 48.0 +0.2
247A	Quinterman	45.52 260	P	P	10 12 47.9 -0.5
Z44A	Pea Ridge, Bel	45.53 263	P	P	10 12 47.0 -1.4
958A	Wahula	45.58 250	P	P	10 12 48.3 -0.4
348A	Jackson	45.66 259	eP	P	10 12 49.9 +0.5
348A	Jackson	45.66 259	P	P	10 12 49.7 +0.3
TOLK	Toolik Lake Re	45.70 333	eP	P	10 12 50.1 +0.7
TOLK	Toolik Lake Re	45.70 333	P	P	10 12 50.0 +0.7
X41A	Kaden, Bauxite	45.71 266	P	P	10 12 49.0 -0.7
SOC	Sochi	45.72 75	eP	P	10 12 48.6 -1.2
SOC			eS	S	10 14 38.1
SOC			pmx	pmx	10 19 30.6 -2.5
SOC	comp=Z,2.0nm,0.9s		MLR	MLR	
957A	Winuma	45.75 250	P	P	10 12 49.6 -0.5
CCAR	Cane Creek	45.75 265	eP	P	10 12 50.9 +0.8
059A	Moore Haven	45.78 249	P	P	10 12 50.5 +0.1
145A	Houston Renfro	45.79 262	P	P	10 12 49.7 -0.8
449A	Pace	45.81 258	P	P	10 12 50.2 -0.4
Y42A	Garrett, Star	45.82 265	P	P	10 12 50.7 0.0
246A	Jackson Lee, B	45.83 261	P	P	10 12 49.4 -1.3
ARU	Arti	45.84 51	eP	P	10 12 50.9 +0.4
ARU	Arti	45.84 51	dIP	P	10 12 50.9 +0.4
ARU			PPP	PPP	10 14 39.1
ARU			SS	SS	10 15 16.3
ARU			pmx	pmx	10 19 36.8 +2.2
W39A	Magazine	45.85 268	eP	P	10 12 50.3 -0.6
W39A	Magazine	45.85 268	P	P	10 12 50.9 0.0
X40A	Basin Creek Fa	45.88 266	eP	P	10 12 50.9 -0.3
X40A	Basin Creek Fa	45.88 266	P	P	10 12 50.9 -0.3
060Z	West Palm Beac	45.95 248	P	P	10 12 52.2 +0.5
NR1K	Noril'sk	45.95 26	P	P	10 12 51.2 -0.1
OGNE	Ogallala	46.00 280	P	P	10 12 51.6 -0.5
347A	Sannd	46.00 260	P	P	10 12 52.0 -0.1
448A	Bay Minette	46.01 259	P	P	10 12 52.6 +0.4
Z43A	Armstrong Fami	46.02 264	P	P	10 12 51.2 -1.0
144A	Alexander Plac	46.03 262	P	P	10 12 51.5 -0.9
058A	Arcadia	46.04 249	P	P	10 12 51.9 -0.5
DAWY	Dawson	46.21 324	eP	P	10 12 54.2 +0.8
245A	Little AP, Sta	46.22 261	P	P	10 12 53.1 -0.8
Y41A	Agglette Beard	46.23 266	P	P	10 12 53.5 -0.4
MIAR	Mout Ida	46.23 267	eP	P	10 12 53.8 -0.1
MIAR	Mout Ida	46.23 267	eP	pmx	10 12 53.8 -0.1
MIAR	Mout Ida	46.23 267	P	P	10 12 54.1 +0.1
EGAK	Eagle	46.24 326	eP	P	10 12 53.9 +0.2
WALA	Waterton Lakes	46.33 296	eP	P	10 12 54.9 +0.2
CBKS	Cedar Bluff	46.33 276	eP	P	10 12 54.1 -0.6
CBKS	Cedar Bluff	46.33 276	eP	pmx	10 12 54.1 -0.6
CBKS	Cedar Bluff	46.33 276	P	pmx	10 12 53.9 -0.8
Z42A	Norrel Spur, H	46.34 264	P	P	10 12 54.1 -0.7
TUL1	Leonard	46.38 270	eP	P	10 12 54.5 -0.5
TUL1	Leonard	46.38 270	P	P	10 12 54.4 -0.6
GOF	Gofitskye	46.39 72	eP	P	10 12 56.2 +1.2
GOF			pmx	pmx	
VBMS	Vicksburg	46.40 262	P	P	10 12 54.5 -0.7
SVE	Sverdlouvs	46.42 49	iP	pmx	10 12 55.9 +0.8
SVE			pmx	pmx	
059Z	Ave Maria	46.45 249	P	P	10 12 56.0 +0.4
Y40A	Okolona	46.48 266	P	P	10 12 55.7 -0.2
143A	Socs Landing,	46.49 263	eP	P	10 12 55.1 -0.8

143A	Socs Landing,	46.49 263	P	P	10 12 54.8 -1.1
346A	Big Creek Wild	46.50 261	eP	P	10 12 56.1 +0.1
346A	Big Creek Wild	46.50 261	P	P	10 12 55.4 -0.6
GCMT	Greycliff	46.50 290	eP	P	10 12 56.9 +0.8
447A	Lucedale	46.54 259	eP	P	10 12 56.1 -0.2
X39A	Fountain Ranch	46.55 267	P	P	10 12 56.3 -0.1
061Z	Choppi	46.58 248	P	P	10 12 57.2 +0.5
244A	Aves, Jackson	46.63 262	P	P	10 12 56.0 -1.0
HUMP	Col San Antoni	46.64 226	eP	P	10 12 57.3 +0.2
RLMT	Red Lodge	46.77 289	eP	P	10 12 58.9 +0.6
RLMT	Red Lodge	46.77 289	P	P	10 12 58.9 +0.6
Z41A	Richland Creek	46.81 265	eP	P	10 12 58.9 +0.5
Z41A	Richland Creek	46.81 265	P	P	10 12 58.4 -0.1
345A	Thompson Farm,	46.86 261	P	P	10 12 58.2 -0.6
GDHS	Morne Mazeum,	46.88 220	eP	P	10 12 59.9 +0.7
DLBC	Dease Lake	46.90 314	P	P	10 12 57.7 -1.2
DLBC	Dease Lake	46.90 314	P	LR	10 32 11.0
DLBC	Dease Lake	46.90 314	eP	LR	10 32 11.0
DLBC	Dease Lake	46.90 314	P	pmx	10 13 00.9 +2.0
142A	Monroe	46.90 264	P	P	10 12 58.5 -0.7
446A	Poplarville	46.91 260	P	P	10 12 58.7 -0.6
COLD	Goldfoot	46.93 332	eP		

15d 10h

544A	White Castle	48.40 261	P	P	10 13 10.6	-0.1
NEW	Newport	48.41 297	P	P	10 13 09.3	-1.5
NEW	Newport	48.41 297	eP	P	10 13 11.2	+0.4
NEW	Newport	48.41 297	eP	P	10 13 11.2	+0.4
NEW	Newport	48.41 297	P	P	10 13 10.8	0.0
ZEI	Tsey	48.44 73	eP	P	10 13 10.5	-0.7
WRH	Wood River Hill	48.48 328	eP	P	10 13 11.5	+0.5
IMW	Indian Meadow	48.48 289	eP	P	10 13 12.7	+1.0
MOOW	Moose Ponds	48.49 289	eP	P	10 13 11.7	+0.0
341A	Kurthwood	48.50 264	P	P	10 13 11.9	+0.3
341A	Kurthwood	48.50 264	P	P	10 13 11.5	0.0
LOHW	Long Hollow	48.52 289	eP	P	10 13 12.1	+0.2
BW06	Boulder Array	48.59 287	eP	P	10 13 11.7	-0.8
BW06	Boulder Array	48.59 287	eP	P	10 13 11.8	-0.7
PD31	Pinedale Array	48.59 287	eP	P	10 13 11.7	-0.8
PDAR	Pinedale Array	48.59 287	eP	P	10 13 11.5	-1.0
PDAR	Pinedale Array	48.59 287	eP	P	10 14 36.8	-1.3
PDAR	Pinedale Array	48.59 287	eP	P	10 32 39.4	
442A	Mamou	48.59 263	P	P	10 13 12.5	+0.2
BESE	Bessie Mountai	48.59 317	eP	P	10 13 13.9	+1.9
645A	Chauvin	48.62 260	P	P	10 13 13.8	+1.4
JIS	Juneau Island	48.64 316	eP	P	10 13 13.4	+1.1
SNOW	Snow King Moun	48.70 289	eP	P	10 13 13.8	+0.5
ISCO	Idaho Springs	48.71 281	eP	P	10 13 14.3	+0.7
ISCO	Idaho Springs	48.71 281	eP	P	10 13 14.2	+0.7
FWXY	Fox Creek	48.71 289	eP	P	10 13 13.6	+0.2
MLY	Manley	48.77 330	eP	P	10 13 13.9	+0.6
MCMT	McKenzie Canyo	48.77 291	eP	P	10 13 14.6	+0.7
TPAW	Teton Pass	48.78 289	eP	P	10 13 13.1	-0.9
543A	St. Martinville	48.78 262	P	P	10 13 13.9	+0.1
REDW	Red Top Meadow	48.82 288	eP	P	10 13 14.9	+0.7
WMOK	Wichita Mounta	48.87 272	eP	P	10 13 13.7	-0.7
WMOK	Wichita Mounta	48.87 272	eP	P	10 13 13.7	-0.7
WMOK	Wichita Mounta	48.87 272	eP	P	10 13 14.3	-0.1
NATX	Nacogdoches	48.96 266	eP	P	10 13 15.6	+0.5
LLLB	Lillooet	48.96 302	eP	P	10 13 15.9	+0.9
441A	DeRidder	48.97 263	P	P	10 13 14.5	-0.7
Q24A	Divide	49.08 280	P	P	10 13 16.6	+0.2
BWN	Browne	49.09 329	eP	P	10 13 16.8	+1.1
542A	Morse	49.12 262	P	P	10 13 16.7	+0.4
RDOG	Red Dog Mine	49.15 338	eP	P	10 13 17.7	+1.5
HARP	HARP	49.20 325	eP	P	10 13 18.4	+1.8
WRAK	Wrangell Islan	49.21 314	eP	P	10 13 18.2	+1.5
MCK	McKinley	49.29 328	eP	P	10 13 17.9	+0.6
MCK	McKinley	49.29 328	eP	P	10 13 17.9	+0.6
MCK	McKinley	49.29 328	eP	P	10 13 17.6	+0.1
C09A	Christma	49.29 298	eP	P	10 13 17.6	+0.1
DHY	Denali Highway	49.35 327	eP	P	10 13 19.1	+1.2
AHID	Auburn Hatcher	49.38 288	eP	P	10 13 18.1	-0.3
B08A	Colville Reser	49.39 299	eP	P	10 13 18.1	-0.1
RND	Reindeer	49.52 328	eP	P	10 13 19.8	+0.7
RND	Reindeer	49.52 328	eP	P	10 13 19.8	+0.7
RND	Reindeer	49.52 328	eP	P	10 13 19.7	+0.3
BPAW	Bear Paw Mtn.	49.56 329	eP	P	10 13 19.7	+0.3
TGL	Tana Glacier	49.73 323	eP	P	10 13 21.7	+0.9
AKTO	Aktuybinsk	49.77 57	P	P	10 13 21.2	+0.2
AKTO	Aktuybinsk	49.77 57	P	P	10 13 21.2	+0.2
AKTO	Aktuybinsk	49.77 57	P	P	10 13 21.0	-0.1
AKTO	Aktuybinsk	49.77 57	P	P	10 13 22.3	+0.3
O20A	White River Ci	49.83 284	eP	P	10 13 22.3	+0.3
O20A	White River Ci	49.83 284	eP	P	10 13 22.4	+0.5
SIT	Sitka	49.88 316	eP	P	10 13 26.5	+4.7
SMCO	Snowmass	49.88 282	eP	P	10 13 23.0	+0.5
TRF	Thorofore Moun	49.89 329	eP	P	10 13 22.4	+0.4
KTH	Kantishna Hill	49.98 329	eP	P	10 13 23.0	+0.3
T25A	Trinidad	50.05 278	eP	P	10 13 24.4	+0.7
T25A	Trinidad	50.05 278	eP	P	10 13 24.4	+0.7
TIXI	Tiksi	50.08 8	eP	P	10 13 24.6	+1.4
TIXI	Tiksi	50.08 8	eP	P	10 13 24.0	+0.8
F10A	Beach Ranch, E	50.10 295	eP	P	10 13 23.4	-0.3
BMRM	Bremner River	50.13 324	eP	P	10 13 24.4	+0.7
KLU	Klutina	50.14 325	eP	P	10 13 24.6	+0.7
MAK	Makhackhala	50.14 70	eP	P	10 13 25.4	+1.4
MAK	Makhackhala	50.14 70	eP	P	10 13 25.4	+1.4
MAK	Makhackhala	50.14 70	eP	P	10 13 25.4	+1.4
MAK	Makhackhala	50.14 70	eP	P	10 13 25.4	+1.4
E09A	Wood Farm, Sta	50.15 296	eP	P	10 13 23.4	-0.6
SDCO	Great Sand Dun	50.17 280	eP	P	10 13 25.0	+0.3
SDCO	Great Sand Dun	50.17 280	eP	P	10 13 25.2	+0.5
CRAIG	Craig	50.20 313	eP	P	10 13 26.2	+1.9
WHTX	Lake Whitney	50.27 268	eP	P	10 13 24.9	-0.2
WHTX	Lake Whitney	50.27 268	eP	P	10 13 24.6	-0.5
AMTX	Amarillo	50.30 274	eP	P	10 13 26.1	+0.6
AMTX	Amarillo	50.30 274	eP	P	10 13 26.0	+0.6

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SCM	Sheep Creek Mo	50.30 326	eP	P	10 13 26.0	+1.0
SCM	Sheep Creek Mo	50.30 326	eP	P	10 13 26.0	+1.0
DIV	Divide	50.37 325	eP	P	10 13 26.5	+0.9
CAST	Castle Rocks	50.40 329	eP	P	10 13 25.5	-0.3
HW17	Hardware Ranch	50.46 287	eP	P	10 13 26.2	-0.5
HLID	Hailey	50.46 291	eP	P	10 13 27.4	+0.7
HLID	Hailey	50.46 291	eP	P	10 13 27.4	+0.7
B08A	Bella Bella	50.56 307	LR	P	10 34 27.2	
EBB	Elder Farm, El	50.60 297	eP	P	10 13 28.0	+0.5
SML	Sawmill	50.62 326	eP	P	10 13 28.8	+1.4
SML	Sawmill	50.62 326	eP	P	10 13 28.8	+1.4
TCUT	Toone Canyon	50.74 287	eP	P	10 13 28.8	0.0
B05A	Bryant Junction	50.74 300	P	P	10 13 30.5	+2.1
GNI	Garni	50.79 75	P	P	10 13 30.2	+1.0
GNI	Garni	50.79 75	P	P	10 35 24.1	
GNI	Garni	50.79 75	P	P	10 13 31.7	+2.5
GNI	Garni	50.79 75	P	P	10 13 30.3	+1.1
GNI	Garni	50.79 75	P	P	10 13 30.2	+1.0
GNI	Garni	50.79 75	P	P	10 13 30.2	+1.0
EYAK	Cordova Ski	50.81 324	eP	P	10 13 30.4	+1.5
GHO	Glory Hole Cre	50.82 327	eP	P	10 13 30.5	+1.5
PPLA	Purkeypile	50.85 329	eP	P	10 13 29.7	+0.4
S22A	4UR Ranch, Cre	50.87 281	eP	P	10 13 30.7	+0.7
S22A	4UR Ranch, Cre	50.87 281	eP	P	10 13 31.0	+1.1
FID	Port Fidalgo	50.89 325	eP	P	10 13 30.8	+1.4
ABTX	Abilene, Hawle	50.95 271	eP	P	10 13 29.9	-0.4
ABTX	Abilene, Hawle	50.95 271	eP	P	10 13 29.9	-0.4
HVU	Hansel Valley	50.95 288	eP	P	10 13 30.5	+0.2
HVU	Hansel Valley	50.95 288	eP	P	10 13 30.5	+0.2
BMO	Blue Mountains	50.95 294	eP	P	10 13 29.3	-0.9
BMO	Blue Mountains	50.95 294	eP	P	10 13 29.3	-0.9
GLI	Glacier Island	50.97 325	eP	P	10 13 31.2	+1.2
HKT	Hockley	51.00 265	eP	P	10 13 31.2	+0.7
PMR	Palmer	51.02 327	eP	P	10 13 31.1	+0.7
PMR	Palmer	51.02 327	eP	P	10 13 31.1	+0.7
SPUT	South Promonto	51.13 288	eP	P	10 13 32.1	+0.4
JLU	Jordale	51.14 286	eP	P	10 13 31.5	-0.4
CTU	Camp Tracy	51.23 287	eP	P	10 13 32.6	+0.1
CTU	Camp Tracy	51.23 287	eP	P	10 14 47.7	+0.1
P18A	Preston Nutter	51.24 285	eP	P	10 13 32.7	-0.1
MMAI	Mount Meron Ar	51.25 88	P	P	10 13 32.6	0.0
MMAI	Mount Meron Ar	51.25 88	P	P	10 36 21.6	
MFID	Camas Ranch	51.27 292	eP	P	10 13 32.5	-0.2
435B	Jarell	51.28 267	eP	P	10 13 33.2	+0.5
435B	Jarell	51.28 267	eP	P	10 13 32.0	-0.7
PV22	Blue Mesa, Par	51.30 283	eP	P	10 13 33.7	+0.6
PV21	Cone Mtn., Par	51.38 283	eP	P	10 13 34.0	+0.2
SKT	Skwentna	51.41 328	eP	P	10 13 33.4	+0.1
G08A	Pile Rock	51.43 296	eP	P	10 13 33.3	-0.6
F07A	Phinny Hill Vi	51.45 297	eP	P	10 13 34.5	+0.7
PV12	Saur Basin	51.47 283	eP	P	10 13 35.0	+0.6
PV23	Carpenter Ridge	51.48 283	eP	P	10 13 35.2	+0.7
AB31	Akbulak array	51.48 57	P	P	10 13 34.5	+0.5
AB31	Akbulak array	51.48 57	P	P	10 13 34.9	+0.9
PV01	Paradox Valley	51.49 282	eP	P	10 13 34.9	+0.4
PV09	Paradox Valley	51.51 283	eP	P	10 13 35.5	+0.7
PV02	Paradox Valley	51.52 282	eP	P	10 13 35.8	+1.0
PV11	David Mesa, Pa	51.52 283	eP	P	10 13 35.7	+0.9
PV16	Nyswonger Mesa	51.53 283	eP	P	10 13 35.7	+0.9
PV03	Paradox Valley	51.54 283	eP	P	10 13 35.2	+0.3
PV14	Lion Creek, Pa	51.54 283	eP	P	10 13 35.6	+0.7
PV19	Morning Glori	51.57 283	eP	P	10 13 35.7	+0.6
MSTX	Muleshoe	51.58 274	P	P	10 13 35.1	0.0
PV18	Skein Mesa, Pa	51.58 283	eP	P	10 13 36.1	+0.9
PV17	East Wray Mesa	51.58 283	eP	P	10 13 35.7	+0.5
PV13	Suistina One	51.60 327	eP	P	10 13 34.4	-0.5
PV14	Radium Mtn., P	51.60 282	eP	P	10 13 35.8	+0.5
RC01	Rabbit Creek A	51.60 326	eP	P	10 13 36.4	+1.6
P17A	Butcher Ranch,	51.61 285	eP	P	10 13 35.4	+0.1
TOA0	Torodi Ar. Sit	51.67 135	eP	P	10 13 34.6	-1.2
TOA0	Torodi Ar. Sit	51.67 135	eP	P	10 13 34.5	-1.2
TORD	Torodi Ar. Bea	51.67 135	P	P	10 13 33.6	-2.1
TORD	Torodi Ar. Bea	51.67 135	P	P	10 33 33.9	
MPU	Maple Canyon	51.67 286	eP	P	10 13 36.1	+0.3
BGU	Big Grassy Moun	51.71 288	eP	P	10 13 36.0	0.0
LON	Longmie	51.71 2				

TXAR	comp=Z,2.9nm,0.9s,baz=48,slow=4.0,SNR=3.6	PcP	PcP	10 15 04.1 -0.4	
TXAR	comp=Z,1.7nm,1.8s,baz=0.0,slow=3.5,SNR=1.9	LR	LR	10 37 13.3	
KVN	comp=Z,67nm,0.9s	P	P	10 14 05.6 +0.4	
X16A	Lo Mia Camp, P	55.81 281	eP	P	10 14 07.1 +0.9
PAHR	comp=Z,2.7nm,1.0s	55.82 291	eP	P	10 14 06.9 +0.8
YBH	Yreka Blue Hor	55.90 295	P	P	10 14 04.3 -2.3
YBH	comp=Z,2.1nm,1.0s,baz=24,slow=3.2,SNR=8.5	LR	LR	10 36 49.6	
YBH	Yreka Blue Hor	55.90 295	eP	P	10 14 05.6 -1.0
YBH	comp=Z,1.7nm,1.1s	55.90 295	eP	P	10 14 05.6 -1.0
L02D	Cave Junction,	56.00 296	P	P	10 14 06.6 -0.7
SHPR	Sheep Range	56.13 286	eP	P	10 14 08.9 +0.4
BEKR	Beckworth	56.18 292	eP	P	10 14 09.0 +0.2
NV11	Mina Array Sit	56.18 290	eP	P	10 14 08.7 -0.1
RYN	Ryan	56.21 290	eP	P	10 14 09.0 0.0
M02C	Callahan	56.23 295	P	P	10 14 07.8 -1.1
NV01	Mina Array Sit	56.28 290	eP	P	10 14 08.4 -1.0
NVAR	Mina Array Bea	56.55 290	P	P	10 14 08.1 -1.3
NVAR	comp=Z,3.6nm,0.7s,baz=52,slow=5.6,SNR=7.1	LR	LR	10 37 44.9	
VCNR	Virginia City	56.26 291	eP	P	10 14 10.2 +0.8
YERR	Yerington	56.30 291	eP	P	10 14 10.5 +0.9
NVS	Novosibirsk	56.30 391	iP	P	10 14 10.2 +1.0
NVS				10 16 16.1	
NVS	comp=Z,60nm,1.2s		pmax	pmax	
NVS	comp=N,12nm,0.9s		pmax	pmax	
TPNV	comp=E,4.0nm,0.6s	56.35 287	eP	P	10 14 10.1 +0.1
TPNV	Topopah Spring	56.35 287	eP	P	10 14 10.1 +0.1
TPNV	comp=Z,2.0nm,0.9s	56.35 287	eP	P	10 14 10.3 +0.3
PNTR	Pine Nut	56.40 291	eP	P	10 14 11.1 +0.7
N02D	Trinity Center	56.48 295	P	P	10 14 09.4 -1.3
O03D	Paynes Creek	56.56 294	P	P	10 14 10.7 -0.7
W13A	Hualapai Mount	56.56 284	eP	P	10 14 12.2 +0.6
WDC	Whiskeytown Da	56.70 294	eP	P	10 14 11.0 -1.2
WDC	Whiskeytown Da	56.70 294	eP	P	10 14 11.0 -1.2
RUBR	Rubicon Trail	56.70 291	eP	P	10 14 13.9 +1.4
WAKR	Walker	56.77 291	eP	P	10 14 13.7 +0.7
GRAC	Grapevine Rang	56.88 288	P	P	10 14 14.1 +0.5
SDV	Santo Domingo	56.92 226	P	P	10 14 12.9 -1.4
LNIG	Linares	56.96 265	eP	P	10 14 13.5 -0.8
ORV	Oroville	56.98 293	eP	P	10 14 14.0 -0.2
ORV	Oroville	56.98 293	eP	P	10 14 14.0 -0.2
FURC	Furnace Creek,	57.04 287	P	P	10 14 14.9 +0.2
319A	Douglas	57.04 277	eP	P	10 14 16.2 +1.3
KHMM	Horse Mountain	57.05 295	eP	P	10 14 15.3 +0.4
TUC	Tucson	57.11 279	eP	P	10 14 16.6 +1.3
TUC	Tucson	57.11 279	eP	P	10 14 16.6 +1.3
TUC	comp=Z,2.5nm,1.1s	57.11 279	eP	P	10 14 16.0 +0.7
O02D	Mt. Diablo Mer	57.13 294	P	P	10 14 14.1 -1.3
MLAC	Mammoth, Mammoth	57.14 289	P	P	10 14 16.4 +0.7
SHOC	Shoshone, Teco	57.17 286	P	P	10 14 16.1 +0.5
AFDM	Forest Hills D	57.19 292	eP	P	10 14 15.8 0.0
NEE2	Needles Airpor	57.20 284	P	P	10 14 15.2 -0.6
LDFC	Landfair	57.21 285	eP	P	10 14 16.8 +0.7
OMMB	Old Mammoth Mi	57.23 290	eP	P	10 14 17.2 +0.8
MDPB	Devils Postpil	57.26 290	eP	P	10 14 17.7 +1.1
TIN	Tinemaha, Big	57.28 289	P	P	10 14 16.6 +0.1
PDMC1	Parker Dam,Lak	57.31 283	P	P	10 14 16.6 0.0
TUQ	Turquoise Moun	57.35 286	P	P	10 14 17.0 -0.1
KMRM	Mt. Ridge	57.54 295	eP	P	10 14 19.4 +1.1
DAC	Darwin (Calif)	57.56 287	eP	P	10 14 18.8 +0.2
DAC	Darwin (Calif)	57.56 287	eP	P	10 14 18.8 +0.2
OTUK	Ortayu	57.56 50	P	P	10 14 17.8 -0.4
ZAAO	Zalesovo Array	57.57 38	eP	P	10 14 18.6 +0.4
ZALV	Zalesovo Beam	57.57 38	P	P	10 14 17.3 -0.8
ZALV	comp=Z,2.4nm,0.7s,baz=336,slow=6.6,SNR=9.3		PcP	PcP	10 15 10.9 -0.5
CMB	Columbia Colie	57.60 291	eP	P	10 14 19.1 +0.4
CMB	Columbia Colie	57.60 291	eP	P	10 14 19.1 +0.4
MPMC	Manual Prospec	57.67 287	P	P	10 14 20.0 +0.6
CWC	Cottonwood Cre	57.68 288	P	P	10 14 19.7 +0.3
GMRC	Granite Mounta	57.72 285	P	P	10 14 19.9 +0.2
SJCC	San Jacinto, C	57.84 232	eP	P	10 14 16.8 -3.8
KCPM	Caino Peak	57.90 294	eP	P	10 14 21.7 +0.9
GSC	Goldstone, Bar	57.91 286	eP	P	10 14 21.5 +0.5
GSC	Goldstone, Bar	57.91 286	P	P	10 14 21.2 +0.2
IRM	Iron Mountain	57.95 284	P	P	10 14 21.0 -0.2
KURK	Kurchatov	58.03 44	eP	P	10 14 21.3 -0.1
KURK	Kurchatov	58.03 44	eP	P	10 14 21.3 -0.1
KURK	Kurchatov	58.03 44	eP	P	10 14 21.3 -0.1
KURK	Kurchatov	58.03 44	eP	P	10 14 21.3 -0.1
HEC	Hector,Ludlow	58.04 285	P	P	10 14 22.2 +0.4
KURB	Kurchatov Arra	58.08 44	P	P	10 14 21.0 -0.8
HOPS	Hopland Field	58.19 294	eP	P	10 14 23.9 +1.2
LRMC	Laurel Mt Rad	58.22 287	P	P	10 14 23.6 +0.4

113A	Mohawk Valley,	58.31 282	eP	P	10 14 24.4 +0.8
RRX	Edison Barstow	58.34 286	P	P	10 14 24.4 +0.5
214A	Organ Pipe Nat	58.45 261	P	P	10 14 25.4 +0.7
ISA	Isabella, Lake	58.48 288	eP	P	10 14 25.6 +0.6
ISA	Isabella, Lake	58.48 288	eP	P	10 14 25.6 +0.6
ISA	comp=Z,6.4nm,1.4s	58.48 288	P	P	10 14 25.5 +0.6
BC3	Big Chuckawall	58.50 284	P	P	10 14 24.8 -0.3
BELC	Belle Mtn. Jos	58.51 285	P	P	10 14 26.0 +0.8
HPIG	comp=Z,1.5nm,1.2s	58.63 271	eP	P	10 14 26.2 -0.1
GLA	Glamis	58.64 283	eP	P	10 14 26.7 +0.7
GLA	Glamis	58.64 283	eP	P	10 14 26.7 +0.7
GLA	comp=Z,9.9nm,1.2s	58.64 283	P	P	10 14 26.7 +0.7
GLA	Glamis	58.64 283	P	P	10 14 26.7 +0.7
GLA	comp=Z,2.1nm,1.1s	58.64 283	P	P	10 14 26.0 0.0
YES	Yes! Richg	58.65 288	P	P	10 14 26.0 0.0
BBRC	Big Bear Solar	58.78 286	P	P	10 14 28.2 +1.0
EDW2	Edwards Air Fo	58.85 287	P	P	10 14 28.3 +0.8
XPFO	Piezon Flat	59.05 285	eP	P	10 14 29.7 +0.7
PFO	Pinyon Flats O	59.05 285	eP	P	10 14 29.7 +0.7
PFO	Pinyon Flats O	59.05 285	eP	P	10 14 29.7 +0.7
PFO	comp=Z,4.1nm,0.9s	59.05 285	P	P	10 14 29.6 +0.7
ARVC	Arvin	59.08 288	P	P	10 14 28.6 -0.4
SAO	San Andreas Ge	59.12 291	eP	P	10 14 30.1 +0.8
SAO	San Andreas Ge	59.12 291	eP	P	10 14 30.1 +0.8
BFSC	Mount Baldy Ra	59.18 286	P	P	10 14 30.3 +0.4
FRD	Ford Ranch, An	59.22 285	P	P	10 14 31.1 +1.0
GEYT	Alibeck	59.23 67	P	P	10 14 29.8 -0.3
GYA0B	ALIBECK ARRAY	59.23 67	eP	P	10 14 31.8 +1.7
PMPB	Monarch Peak	59.23 290	eP	P	10 14 31.4 +1.3
SWSC	Sam W. Stewart	59.23 284	P	P	10 14 30.4 +0.3
PAGB	Antelope Grade	59.33 289	eP	P	10 14 31.2 +0.5
MWC	Mount Wilson	59.39 286	eP	P	10 14 32.2 +0.8
MWC	Mount Wilson	59.39 286	eP	P	10 14 32.2 +0.8
OSI	Osita Audit: C	59.43 287	P	P	10 14 32.0 +0.5
MURC	Murrieta	59.44 285	P	P	10 14 31.9 +0.3
PASC	Pasadena Art C	59.50 286	eP	P	10 14 32.6 +0.7
DECC	Green Verdugo	59.51 287	P	P	10 14 31.8 -0.3
SMMC	Simmer	59.52 289	P	P	10 14 31.6 -0.5
MONP2	Monument Peak	59.60 284	P	P	10 14 34.1 +1.2
YAK	Yakutsk	59.61 10	eP	P	10 14 29.8 -2.4
YAK	comp=Z,1.7nm,1.1s		pmax	pmax	
YAK	comp=N,7.0nm,1.2s		pmax	pmax	
IKP	In-Ko-Pah, Jac	59.62 284	P	P	10 14 34.0 +1.1
BRRC	Barranca, Sant	59.76 229	eP	P	10 14 30.7 -3.2
PKM	Mpherson Peak	59.77 288	P	P	10 14 34.4 +0.4
HSIG	comp=E,5.6nm,1.0s	59.88 230	eP	P	10 14 32.3 -2.4
ZARC	Zaragoza, Cauc	59.89 284	eP	P	10 14 34.7 0.0
FMP	Fort Macarthur	59.92 286	P	P	10 14 35.0 +0.2
109C	Camp Elliot, M	59.95 285	P	P	10 14 35.0 -0.1
BLG	Laguna Peak, P	60.00 287	P	P	10 14 34.8 -0.6
CIS	Catalina Islan	60.22 286	eP	P	10 14 37.0 0.0
ZAIG	Zacatecas	60.34 266	eP	P	10 14 39.2 +1.0
SCZ2	Santa Cruz Isl	60.38 287	P	P	10 14 38.0 0.0
PTBC	PUEBLO BERRIO,	60.58 229	eP	P	10 14 38.6 -0.9
SC12	San Clemente I	60.62 286	P	P	10 14 40.0 +0.4
KK31	Karatay Array	60.89 55	eP	P	10 14 42.2 +0.8
KK31	Karatay Array	60.89 55	iP	P	10 14 41.7 +0.3
KKAR	Karatay Array	60.89 55	eP	P	10 14 42.2 +0.8
KKAR	Karatay Array	60.89 55	eP	P	10 14 42.2 +0.8
HELK	Santa Helena	61.33 230	eP	P	10 14 45.6 +0.6
HELK	Santa Helena	61.33 230	eP	P	10 14 44.3 -0.7
BOD	Bodaibo	61.60 20	eP	P	10 14 33.0 -1.3
JTS	JuntasAbangare	61.86 242	LR	LR	10 41 34.9
DGZ	Jazzator, Alta	62.02 39	iP	P	10 14 49.7 +0.6
DGZ	comp=Z,17nm,1.3s		pmax	pmax	
ROSC	El Rosal	62.07 229	P	P	10 14 49.5 -0.5
ROSC	El Rosal	62.07 229	eP	P	10 14 51.5 +1.5
MNAS	Mnas	62.25 54	P	P	10 14 50.4 -0.3
USP	Ospenovka	62.47 52	eP	P	10 14 52.8 +0.8
TLIG	Tipa	62.50 259	eP	P	10 14 53.2 +0.6
MAK2	Makanchi	62.51 45	eP	P	10 14 52.7 +0.5
MAK2	Makanchi	62.51 45	eP	P	10 14 52.7 +0.5
MAK2	Makanchi	62.51 45	eP	P	10 14 52.7 +0.5
MAK2	Makanchi	62.51 45	eP	P	10 14 52.7 +0.5
MK31	Makanchi Array	62.64 45	eP	P	10 14 53.4 +0.3
MK31	Makanchi Array	62.64 45	eP	P	10 14 51.8 -1.3
MKAR	Makanchi Array	62.64 45	eP	P	10 14 52.3 -0.8
MKAR	Makanchi Array	62.64 45	eP	P	10 14 53.4 +0.3
MKAR	Makanchi Array	62.64 45	eP	P	10 14 53.4 +0.3
EKS2	Erkin-Say	62.66 53	P	P	10 14 55.3 +2.0
MK01	Makanchi Array	62.67 45	eP	P	10 14 52.5 -0.8
CHMS	Chumysh	62.79 52	P	P	10 14 55.7 +1.5
FRU	Bishkek	62.87 52	eP	P	10 14 56.0 +1.3
FRU	comp=Z,180nm,2.6s		pmax	pmax	
AAK	Ala-Archa	62.98 52	P	P	10 14 56.5 +0.9
AAK	comp=Z,20nm,1.1s,baz=267,slow=1.3,SNR=26		LR	LR	10 41 41.5

AAK	Ala-Archa	62.98 52	P
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15d 10h

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Table with columns for station name, time, and other parameters. Includes stations like GTA, YSS, MBAR, BTO, ASAJ, etc.

Table with columns for station name, time, and other parameters. Includes stations like CPUP, NJ2, BRDH, TSUM, etc.

ISC/JB 15/10/09:57.0, 1.9, 13.13N, 0.04, 145.56E, 0.03, h18km, 13km, mb4.9/207, MS4.1/16, Error ellipse: s-maj=7.2km s-min=4.8km az=2.3...

Table with columns for Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GUMU, JAY, FAKI, etc.

Table with columns for station name, time, and other parameters. Includes stations like MAT, MJB9, SSLB, HNR, etc.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like KCSI, ADK, SEY, BOD, ZAK, SHAL, ODAN, JIRN, GUN, PKIN, WMQ, GKN, DANN, KOLN, TXI, DGZ, PYUN, MK01, MK31, MKAR, MKAR, MKAR, ZAAO, ZALV, ZALV, MAZK, NVS, SVW2, PDGK, HYB, KURK, KURK, KURK, KURB, SKT, PPLA, CAST, KSH, KSH, KSH, KSH, KSH, TRF, MLY, AAK, AAK, AAK, RND, SCM, DHY, WRH, COLD, MDM, CCB, NCL, DIV, COLA, KLU, ILI, ILAR, ILB, TOLK, BMRM, HARP, OTUK, RIDG, RIDG, KK31, KKAR, BVAR, BRVK.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like BRVK, EGAK, KBL, DAWY, SKAG, WHY, JIS, INK, WRAK, DLBC, DLBC, SVE, SVE, ABKAR, ARU, ARU, ARU, AKTO, GEYT, GYAOB, NLWA, E03A, D03D, I02D, J01D, G03D, K02D, I03D, E04D, B05A, L02D, W02R, HUMO, H04A, M02C, YBH, YBH, F05D, N02D, J04D, L04D, O02D, YKA, YKA, LTY, K04D, M04C, PRGR, J05D, PINE, O03D, B08A, K05A, HAWA, ORV, D08A, M0D, C09A, AFDM, G08A, SPA0, BEKR, E09A, NEW, NEW, NEW, CMB, J08A, VCNR, PNTR, PAHR, F10A, PAGB, WAKR, YERR, BMO, SMMC.

Table with columns for station call letters, location, frequency, and other technical details. Includes stations like MDPB, PKM, OMMB, KLMR, KLMR, MLAC, RYN, SBC, NV01, NVAR, KVN, VES, NV11, BMN, ARVC, ISA, ISA, MFID, KEV, DWC, CAC, DAC, EDW2, HAMF, ARCES, ARCES, AREO, AREO, LPMC, HLID, HLID, BFSC, FURC, MSF, MSF, GSC, GSC, TPNV, TPNV, R11A, R11A, KTK1, SHOC, LRM, MCMT, DLMT, 109C, CPE, HEC, FRD, TUQ, PFO, BOZ, BOZ, MONP, SHPR, BELC, GMRC, TRO, NCK, NCK, HVU, BGV, OBN, OBN, OBN, PSUT, SWSC, KBZ, KIV, KIV, IRM, DUG, DUG, YFT, NEY, NEE2, IMW, FXWY, H17A, FLWY, TPWA, CCUT, MOOW, AHID, HWUT.

15d 10h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists various stations like LOHW Long Hollow, SZCU Shurtz Canyon, NLU North Fly Min, etc.

ISCJB 15 10:13:46.70.4.9.39.88N.0.03:33.04E.0.04, h0km, Error ellipse: s-maj=4.2km s-min=3.8km az=153.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like LOD Lodumlu, LBD Bala, BBAL BBAL, etc.

2012 AUG

Table with columns: KIZT Kizilcal, CORM Corum, CORM, MDUB Mudurnu, etc.

IDC 15 10:16:48.6.0.9.57.62N.32.83W, h0km, mb3.7/13, mb1 3.9/14, mb1mx3.6/73, mbtmp3.7/14, ML3.5/1, MS3.6/4, Ms1 3.6/4, ms1mx3.2/171, Error ellipse: s-maj=28.2km s-min=14.7km az=1.0

ISCJB 15 10:16:49.2.0.7.57.6N.0.1:32.8W.0.2, h15km, mb3.8/13, MS3.4/2, Error ellipse: s-maj=20.5km s-min=11.9km az=175.3

ISC 15 10:16:50.9.0.9.57.6N.0.2:32.9W.0.1, h15km, n21, c077/17, mb3.8/13, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BORG Borgarnes, FRB Frobisher Bay, etc.

ATH 15 10:28:08.0.34.31N:23.63E, h18km, 3km, ML3.3/3, Error ellipse: s-maj=6.6km s-min=2.4km az=39.0

IDC 15 10:28:08.3.1.4.34.07N:24.14E, h0km, mb3.7/5, mb1 3.7/6, mb1mx3.4/67, mbtmp3.7/6, MS4.6/1, Ms1 4.6/1, ms1mx2.1/62, Error ellipse: s-maj=36.9km s-min=23.0km az=135.0

THE 15 10:28:10.3.34.41N:23.68E, h0km, 3km, ML3.3/4, Error ellipse: s-maj=5.0km s-min=1.0km az=217.0

ISC 15 10:28:11.5.1.8.34.40N.0.08:23.74E.0.06, h15km, 10km, n25, c174/30, mb3.6/5, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GVD Gavdhos, GVD, VAM Vamos, etc.

IMMV lera Moni Meta 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV Prines Rethymn 1.15 33 S S S 20 28 46.6 -0.2

IMMV Anoyi 1.29 46 P P P 20 28 31.1 -2.0

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

IMMV comp=N, 3029jkm, 0.7s 1.08 10 P P Pg 20 28 30.7 -1.7

750

Table with columns: SCHO Schefferville, NOA NORSAR Array B, NOA, HFS Hagfors, etc.

ISC 15 10:46:12.8.34.45N:27.95E, h5km, 3km, ML3.2/8, DDA 15 10:47:12.5.34.83N:28.02E, h11km, M3.7

ISC 15 10:46:16.3.2.7.34.6E.0.1:27.94E.0.09, h10km, n21, c1518/33, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like DAT Datca, DAT, FETY Fethiye, etc.

DALY Dalian (Mu'la) 2.34 14 P P P 20 46 55.7 +0.7

DALY Dalian (Mu'la) 2.34 14 P P P 20 46 55.2 +0.4

TURN Turunc 2.38 13 P P S 20 46 54.5 -0.9

BDRM Kayabasi 2.55 351 P P S 20 46 45.8 -1.4

BDRM Kayabasi 2.55 351 P P S 20 46 45.8 -1.4

BODT Bodrum 2.56 349 P N P 20 46 58.6 +0.7

YER Yerkesik 2.60 6 P N P 20 46 59.3 +0.8

ELI Elmali 2.72 36 P N P 20 47 00.3 +0.1

MLSB Milas 2.75 357 P N P 20 47 00.8 +0.3

GOLH Gohlisar 2.99 26 P N P 20 47 05.5 +1.6

GOLH Gohlisar 2.99 26 P N P 20 47 05.5 +1.6

TAVA DENIZLI Tavas 3.02 15 P S S 20 47 04.6 +0.3

TAVA DENIZLI Tavas 3.02 15 P S S 20 47 04.6 +0.3

AYDN Tasoluk 3.11 359 P P S 20 47 05.1 -0.4

AYDN Tasoluk 3.11 359 P P S 20 47 05.1 -0.4

DNZL Cakiroluk 3.26 16 P P S 20 47 08.0 +0.3

DNZL Cakiroluk 3.26 16 P P S 20 47 08.0 +0.3

AYOB Zeytinluc-Yaldi 3.39 359 P N P 20 47 09.7 +0.2

SUTC Sutluco-Ispart 3.83 39 P N P 20 47 16.6 +1.1

MANT Manisa 3.97 7 P S S 20 47 16.7 -0.7

KHAL Karahalli 4.02 18 P P S 20 47 18.0 0.0

KHAL Karahalli 4.02 18 P P S 20 47 18.0 0.0

LEF Lefka 4.11 81 P N P 20 47 18.4 -0.8

EREN Erencyok 5.20 77 P N P 20 47 34.5 +0.3

IGQ 15 10:49:17.6.2.5.5.20.2:7.8W.2.5, h20km, MLV4.3/7, Northern Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like COHC Cochacany, COHC, MILGO Milagro-Astudi, etc.

IDC 15 10:50:26.9.3.1.25.41N:124.46E, h98km, 30km, mb3.6/8, mb1 3.7/10, mb1mx3.4/68, mbtmp3.9/10, Error ellipse: s-maj=24.2km s-min=15.5km az=69.0

ISCJB 15 10:50:27.5.0.4.25.33N.0.07:124.47E.0.05, h121km, 5km, mb3.8/8, Error ellipse: s-maj=12.9km s-min=5.7km az=157.4

ISC 15 10:50:29.1.0.2.25.32N:124.45E, h109km, 4km, ML3.4

JMA 15 10:50:28.6.0.7.25.35N.0.08:124.48E.0.05, h115km, 8km, n24, c080/39, mb3.8/8, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JTTJ Tarama, JTTJ, JISG Ishigakijima, etc.

JISG Ishigakijima 0.77 192 P S S 20 50 47.8 -0.3

JISG Ishigakijima 0.77 192 P S S 20 50 47.8 -0.3

JIKM Ikemajima 0.81 121 P S S 20 50 48.7 +0.3

JIKM Ikemajima 0.81 121 P S S 20 50 48.7 +0.3

JIRB Irajubima 0.81 129 P S S 20 50 48.3 -0.1

JIRB Irajubima 0.81 129 P S S 20 50 48.3 -0.1

JIMJ Miyajima 2 0.91 126 P S S 20 50 49.5 +0.2

JIMJ Miyajima 2 0.91 126 P S S 20 50 49.5 +0.2

JOGS Gusukube 1.02 125 P S S 20 50 51.0 +0.6

JOGS Gusukube 1.02 125 P S S 20 50 51.0 +0.6

JOGS Ishigaki jima 1.03 198 P S S 20 51 07.2 +0.3

JOGS Ishigaki jima 1.03 198 P S S 20 51 07.2 +0.3

JKRS Kuro-shima 1.19 201 P S S 20 50 51.9 -0.3

JKRS Kuro-shima 1.19 201 P S S 20 50 51.9 -0.3

IRIF Iriomote-Funau 1.22 214 P S S 20 50 52.0 -0.5

IRIF Iriomote-Funau 1.22 214 P S S 20 50 52.0 -0.5

HATJ Hateruma jima 1.43 206 P S S 20 50 54.6 -0.2

HATJ Hateruma jima 1.43 206 P S S 20 50 54.6 -0.2

YOJ Yonaguni jima 1.60 237 P S S 20 50 57.1 +0.2

YOJ Yonaguni jima 1.60 237 P S S 20 50 57.1 +0.2

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YOJ Yonaguni jima 1.60 237 P S S 20 50 57.1 +0.2

YOJ Y

H43A	Windswept, Lux	36.01 273	P	P	11 32 47.3	-1.0	V52A	Sevierville	39.97 259	P	P	11 33 21.9	+0.1	T43A	Greenville	42.59 267	P	P	11 33 42.7	-0.5	
N50A	Nevada	36.10 264	P	P	11 32 49.2	+0.2	MDND	Maddock	40.04 286	P	P	11 33 20.6	-1.6	Y50A	Piedmont	42.59 259	P	P	11 33 43.2	-0.1	
E39A	Mellen	36.25 277	P	P	11 32 49.0	-1.4	T49A	Edmonton	40.04 262	P	P	11 33 22.2	-0.2	356A	Blackshear	42.74 253	P	P	11 33 44.6	+0.1	
F40A	Park Falls	36.31 276	P	P	11 32 50.2	-0.7	M40A	Post Highland	40.11 272	P	P	11 33 22.4	-0.5	R40A	Maddies Statio	42.76 269	eP	P	11 33 44.5	-0.1	
L47A	Sherwood	36.34 267	P	P	11 32 49.6	-1.6	Q45A	Warren Harvey,	40.12 267	P	P	11 33 22.8	-0.1	R40A	Maddies Statio	42.76 269	P	P	11 33 44.0	-0.6	
H3A	Langenfeld Bro	36.61 272	P	P	11 32 53.8	+0.4	U50A	Jamestown	40.20 261	P	P	11 33 23.9	+0.2	254A	Abbeville	42.84 255	P	P	11 33 45.8	+0.4	
ULM	Lac du Bonnet	36.62 286	P	P	11 32 52.4	-1.1	TKL	Tuckaleechee C	40.21 259	LR	LR	11 48 59.2		X48A	Hartselle	42.85 261	P	P	11 33 45.0	-0.4	
ULM	3.5nm, 0.8s, baz=59, slow=5.8, SNR=3.7						R46A	Gibson Southern	40.27 265	P	P	11 33 25.2	+1.0	PBMO	Poplar Bluff	42.89 266	eP	P	11 33 46.0	+0.4	
E38A	comp=Z, 355nm, 19.0s, baz=32, slow=34						J36A	Seneca 1, Swea	40.28 276	eP	P	11 33 24.4	+0.1	P37A	Lathrop	42.92 273	P	P	11 33 45.3	-0.7	
VAE	Valguarnera	36.70 103	LR	LR	11 46 35.9		J36A	Seneca 1, Swea	40.28 276	P	P	11 33 23.7	-0.6	Y49A	Blount Mountai	42.98 260	P	P	11 33 46.3	-0.2	
F39A	Loretta	36.74 277	P	P	11 32 53.5	-1.0	K37A	Belmond	40.30 275	P	P	11 33 23.7	-0.7	Q38A	Cooks Store, C	42.99 271	P	P	11 33 45.6	-0.9	
G40A	Rib Lake	36.78 276	P	P	11 32 53.7	-1.1	L38A	Oak Wood Farm,	40.37 274	P	P	11 33 25.1	+0.1	PLAL	Pickwick Lake	42.99 263	eP	P	11 33 47.3	+0.8	
O50A	Cable	36.79 264	P	P	11 32 55.3	+0.3	S47A	Hartford	40.39 264	P	P	11 33 25.0	-0.3	S41A	Jilloco Farms,	42.99 268	P	P	11 33 46.4	-0.2	
H41A	Junction City	36.92 274	P	P	11 32 55.6	-0.5	V51A	Loudon	40.40 260	P	P	11 33 23.9	-1.4	T42A	Van Buren	43.06 267	eP	P	11 33 45.8	-1.3	
H42A	Draeger Farm,	37.01 273	P	P	11 32 56.0	-0.8	M39A	Webster	40.41 273	P	P	11 33 24.3	-1.1	T42A	Van Buren	43.06 267	P	P	11 33 46.8	-0.2	
O49A	Covington	37.15 265	P	P	11 32 58.4	+0.4	T48A	Bowling Green	40.50 263	P	P	11 33 25.9	-0.2	R39A	Chumby, Stover	43.15 270	P	P	11 33 47.5	-0.3	
A33A	Warroad	37.17 284	P	P	11 32 57.9	-0.3	N40A	Mertquake, Sal	40.52 272	P	P	11 33 25.6	-0.6	U43A	Rector	43.18 266	P	P	11 33 47.6	-0.5	
MLR	Munteje Rosu	37.19 83	LR	LR	11 47 53.9		U49A	Red Boiling Sp	40.62 262	P	P	11 33 27.5	+0.4	253A	Americus	43.19 256	eP	P	11 33 46.6	-1.5	
F38A	Pierce Schro	37.22 278	P	P	11 32 57.5	-1.1	R45A	Skylar, Fairfi	40.62 266	P	P	11 33 27.7	-0.4	X47A	Russelville	43.23 262	P	P	11 33 48.6	+0.1	
P50A	Jamestown	37.28 263	P	P	11 32 58.9	-0.2	SCIA	State Center	40.67 274	P	P	11 33 27.4	-0.1	S40A	Lebanon	43.39 269	P	P	11 33 49.7	0.0	
G39A	Holcombe	37.28 276	P	P	11 32 58.2	-0.9	O41A	Pasleys Farm,	40.69 270	P	P	11 33 27.7	0.0	TIGA	Tifton	43.40 255	P	P	11 33 49.9	0.0	
H40A	Chili	37.31 275	P	P	11 32 58.1	-1.3	S46A	Don Dixon Farm	40.77 265	P	P	11 33 27.0	-1.3	T41A	Mountain View	43.41 268	P	P	11 33 49.8	-0.1	
Q51A	Peebles	37.46 262	P	P	11 33 00.3	-0.4	P42A	Winchester	40.78 269	eP	P	11 33 28.9	+0.5	W45A	Hickory Valley	43.45 264	P	P	11 33 49.2	-1.1	
J42A	Columbus	37.51 271	P	P	11 33 01.1	0.0	P42A	Winchester	40.78 269	P	P	11 33 28.5	0.0	Q37A	Longview Farm,	43.49 272	P	P	11 33 50.1	-0.5	
O48A	Farmland	37.53 265	P	P	11 33 00.4	-0.9	L37A	Phoenix Point,	40.81 275	P	P	11 33 28.2	-0.4	Z49A	Columbiana	43.55 259	P	P	11 33 51.6	+0.5	
G38A	Ridgeland	37.73 277	P	P	11 33 01.7	-1.2	K36A	Gilmore City	40.82 276	P	P	11 33 28.2	-0.6	X46A	Booneville	43.59 263	P	P	11 33 51.1	-0.2	
H39A	Augusta	37.75 276	P	P	11 33 01.9	-1.2	X53A	Estanollee	40.85 258	P	P	11 33 29.6	+0.6	U42A	Reverend	43.64 267	P	P	11 33 51.8	0.0	
P49A	Miami Univ. Ec	37.82 264	P	P	11 33 03.5	-0.3	V50A	Pikeville	40.90 260	P	P	11 33 30.1	+0.6	Y47A	UCPARC, Winfie	43.70 261	P	P	11 33 52.1	-0.2	
I40A	Norwalk	37.92 274	P	P	11 33 03.6	-0.9	Q43A	New Douglas	40.91 268	P	P	11 33 30.5	-1.0	R38A	Fenwick Farm,	43.71 271	P	P	11 33 52.2	-0.1	
Q50A	Georgetown	37.93 263	P	P	11 33 02.8	-1.9	T47A	Sharon Grove	40.96 264	P	P	11 33 30.4	+0.4	T40A	Manfield	43.73 269	P	P	11 33 52.3	-0.2	
J41A	Loganville	37.95 273	P	P	11 33 03.3	-1.5	M38A	Pleasantville	41.00 273	P	P	11 33 30.3	0.0	150A	Eclectic	43.74 258	P	P	11 33 52.1	-0.5	
FNA	Florina	37.97 93	eP	P	11 33 06.2	+1.2	N39A	Derby Farms, D	41.02 272	eP	P	11 33 30.6	+0.2	S39A	Bolivar	43.76 270	eP	P	11 33 52.5	-0.2	
K42A	Prairie Point,	38.00 272	P	P	11 33 04.5	-0.7	T39A	Derby Farms, D	41.02 272	P	P	11 33 30.3	-0.1	S39A	Bolivar	43.76 270	P	P	11 33 52.4	-0.3	
L43A	Garden Prairie	38.09 271	P	P	11 33 05.5	-0.5	U48A	Cassie Pea, Po	41.02 263	P	P	11 33 30.6	+0.2	353A	Camilla	43.80 256	P	P	11 33 53.3	+0.2	
O47A	Sheridan	38.09 266	P	P	11 33 05.6	-0.4	Y54A	Tignall	41.02 256	P	P	11 33 30.0	-0.5	251A	Midway	43.83 257	P	P	11 33 53.2	-0.1	
R51A	Hillsboro	38.12 262	P	P	11 33 05.9	-0.4	R44A	Waltonville	41.08 267	P	P	11 33 30.9	0.0	MET	Memphis--Engin	43.87 264	eP	P	11 33 53.3	-0.3	
P48A	Milroy	38.25 265	P	P	11 33 06.6	-0.7	P41A	Barry, Barry	41.10 270	P	P	11 33 31.4	+0.3	IDI	Anoyia	43.88 95	LR	LR	11 53 33.4		
M44A	Midewin, Midew	38.27 269	P	P	11 33 07.4	-0.1	W51A	Cleveland	41.10 260	P	P	11 33 31.6	+0.4	LRAL	Lakeview Retre	43.92 260	eP	P	11 33 55.0	+0.9	
Q49A	Aurora	38.30 264	P	P	11 33 07.1	-0.7	ECSD	EROS Data Cent	41.21 279	eP	P	11 33 32.5	+0.6	LRAL	Lakeview Retre	43.92 260	P	P	11 33 54.3	+0.2	
J40A	Soldiers Grove	38.32 274	P	P	11 33 07.4	-0.5	ECSD	EROS Data Cent	41.21 279	P	P	11 33 31.6	-0.3	Z48A	Northport	43.95 261	P	P	11 33 54.3	0.0	
N45A	Kentland	38.37 268	P	P	11 33 07.9	-0.4	O40A	La Belle	41.22 271	P	P	11 33 32.1	+0.1	U41A	Viola	44.01 267	P	P	11 33 54.8	0.0	
JFWS	Jewell Farm	38.39 273	P	P	11 33 07.8	-0.7	S45A	Carrier Mills	41.24 266	P	P	11 33 32.5	+0.3	OXF	Oxford	44.06 263	P	P	11 33 55.1	0.0	
I39A	Houston	38.43 275	P	P	11 33 08.3	-0.5	V49A	McMinnville	41.25 261	P	P	11 33 33.0	+0.7	S38A	Stockton	44.12 270	P	P	11 33 55.3	-0.3	
YKA	Yellowknife Ar	38.44 312	P	P	11 33 07.6	-1.1	L36A	Harm Buss Farm	41.31 275	P	P	11 33 31.6	-1.2	X45A	UM Field Stati	44.12 263	P	P	11 33 53.9	-1.7	
YKA	comp=Z, 94nm, 18.6s, baz=56, slow=35						T66A	Princeton	41.34 264	P	P	11 33 33.3	+0.3	V42A	Cord	44.13 266	P	P	11 33 55.5	-0.2	
R50A	Paris	38.53 262	P	P	11 33 10.0	+0.3	156A	Sylvania	41.36 254	P	P	11 33 33.4	+0.2	748A	Lee Helen	44.17 250	P	P	11 33 56.9	+0.8	
S51A	Beattyville	38.62 261	P	P	11 33 10.0	-0.5	W50A	Signal Mountai	41.37 260	P	P	11 33 33.4	0.0	Y46A	Houston	44.25 262	P	P	11 33 56.1	-0.6	
P47A	Martinsville	38.68 265	P	P	11 33 11.5	+0.5	Q42A	Golden Eagle	41.37 269	P	P	11 33 33.7	+0.4	T39A	Olevan	44.28 269	P	P	11 33 56.8	-0.2	
T52A	Hallie	38.70 260	P	P	11 33 10.3	-0.8	N38A	Joes South For	41.47 273	P	P	11 33 35.4	+1.4	250A	Grady	44.37 258	P	P	11 33 57.8	+0.1	
L42A	Oliver, Polo	38.71 271	P	P	11 33 10.7	-0.4	U47A	Clarksville	41.47 263	P	P	11 33 33.9	-0.2	TAM	Tamanrasset	44.49 126	eP	P	11 33 58.8	-0.1	
M43A	Waltham Townsh	38.73 270	P	P	11 33 11.1	-0.2	M37A	Trindle Farm,	41.47 274	P	P	11 33 33.8	-0.3	U40A	Yellville	44.50 268	P	P	11 33 58.8	+0.1	
I38A	Scanlan Farm,	38.73 276	P	P	11 33 10.8	-0.5	R43A	Red Bud	41.52 267	P	P	11 33 34.4	0.0	148A	Greensboro	44.53 260	P	P	11 33 59.0	+0.1	
N44A	Piper City	38.74 269	P	P	11 33 10.7	-0.8	S44A	Carbondale	41.59 266	P	P	11 33 34.9	-0.1	554A	Perry	44.53 254	P	P	11 33 59.2	+0.3	
Q48A	North Vernon	38.80 264	P	P	11 33 12.3	+0.4	Z54A	Sparta	41.59 256	P	P	11 33 35.3	+0.2	V41A	Mountainview	44.56 267	P	P	11 33 59.0	-0.1	
O45A	Potomac	38.91 268	P	P	11 33 12.5	-0.3	INK	Inuvik	41.66 327	P	P	11 33 34.4	-0.9	Y45A	Yeager Farm, C	44.62 263	P	P	11 33 60.0	+0.3	
R49A	Shelbyville	38.97 263	P	P	11 33 13.8	+0.4	INK	comp=Z, 182nm, 18.3s, baz=82, slow=36							452A	Marianna	44.69 256	P	P	11 34 00.0	-0.2
K40A	Colesburg	39.01 273	P	P	11 33 14.9	+1.2	Q41A	Trueman	41.72 269	P	P	11									

MIAR	Mount Ida	46.25 267	eP	P	11 34 13.2 +0.6
MIAR	Mount Ida	46.25 267	P	P	11 34 12.7 +0.1
DAWY	Dawson	46.27 324	eP	P	11 34 13.2 +0.8
CBKS	Cedar Bluff	46.36 276	P	P	11 34 12.4 -1.0
TUL1	Leonard	46.41 270	P	P	11 34 13.6 -0.1
Y40A	Okolona	46.50 266	P	P	11 34 14.2 -0.3
X39A	Fountain Ranch	46.57 267	P	P	11 34 15.1 0.0
RLMT	Red Lodge	46.81 289	eP	P	11 34 17.9 +0.8
RLMT	Red Lodge	46.81 289	P	P	11 34 16.8 -0.3
KVAR	Kislovodsk Arr	46.98 73	LR	LR	11 53 33.7
Z40A	Long Farm, Mag	47.14 266	P	P	11 34 18.7 -0.9
K22A	Casper	47.15 285	P	P	11 34 18.6 -1.2
KBZ	Khabaz	47.25 73	P	P	11 34 21.8 +1.6
BOZ	Bozeman (W)	47.26 291	eP	LR	11 54 16.3
KBZ	Bozeman (W)	47.26 291	P	P	11 34 23.9 +0.2
BOZ	Bozeman (W)	47.66 291	P	P	11 34 23.2 -0.4
SCRK	Sand Creek	47.73 326	eP	P	11 34 24.0 +0.1
KSCO	Kaye Shedlock	47.75 279	eP	P	11 34 24.8 +0.4
KSCO	Kaye Shedlock	47.75 279	P	P	11 34 23.9 -0.4
IL1	Eielson Array	47.97 328	eP	P	11 34 25.6 0.0
ILAR	Eielson Array	47.97 328	P	P	11 34 25.8 +0.1
ILAR	Eielson Array	47.97 328	LR	LR	11 55 09.5
ILB	Eielson Array	47.97 328	P	P	11 34 26.0 +0.4
H17A	Grant Village	47.98 289	eP	P	11 34 26.5 +0.2
H17A	Grant Village	47.98 289	P	P	11 34 25.5 -0.8
N23A	Red Feather La	48.12 283	eP	P	11 34 27.9 +0.5
N23A	Red Feather La	48.12 283	P	P	11 34 26.5 -0.9
RIDG	Independ' Rid	48.16 326	eP	P	11 34 27.7 +0.6
YPP	Pitchstone Pla	48.19 289	eP	P	11 34 29.9 +2.0
MDM	Murphy Dome	48.20 329	eP	P	11 34 27.4 -0.1
MOOW	Moose Ponds	48.53 289	eP	P	11 34 30.4 -0.1
LOHW	Long Hollow	48.55 289	eP	P	11 34 31.0 +0.3
BW06	Boulder Array	48.63 287	eP	P	11 34 30.1 -1.2
BW06	Boulder Array	48.63 287	P	P	11 34 30.1 -1.2
PD31	Pinedale Array	48.63 287	eP	P	11 34 30.2 -1.1
PDAR	Pinedale Array	48.63 287	P	P	11 34 30.6 -0.6
PDAR	Pinedale Array	48.63 287	LR	LR	11 53 58.2
PDAR	Pinedale Array	48.63 287	P	P	11 34 29.0 -2.3
SNOW	Snow King Moun	48.74 289	eP	P	11 34 31.7 -0.4
ISCO	Idaho Springs	48.74 282	eP	P	11 34 32.6 +0.3
ISCO	Idaho Springs	48.74 282	P	P	11 34 31.3 -1.0
FXWY	Fox Creek	48.75 289	eP	P	11 34 32.6 +0.4
MCMT	McKenzie Canyo	48.81 291	eP	P	11 34 33.6 +0.9
TPAW	Teton Pass	48.82 289	eP	P	11 34 32.7 0.0
MLY	Manley	48.83 330	eP	P	11 34 32.4 +0.2
REDW	Red Top Meadow	48.86 289	eP	P	11 34 32.8 -0.3
WMOK	Wichita Mounta	48.89 272	eP	P	11 34 33.0 -0.1
WMOK	Wichita Mounta	48.89 272	P	P	11 34 32.7 -0.4
NATX	Nacogdoches	48.98 266	P	P	11 34 33.1 -0.7
MCK	McKinley	49.35 328	eP	P	11 34 36.7 +0.5
RND	Reindeer	49.58 328	eP	P	11 34 37.7 -0.4
AKTO	Aktubinsk	49.78 57	P	P	11 34 39.9 +0.3
AKTO	Aktubinsk	49.78 57	LR	LR	11 55 18.3
O20A	White River Ci	49.87 284	eP	P	11 34 41.1 +0.4
O20A	White River Ci	49.87 284	P	P	11 34 40.5 -0.2
SMCO	Snowmass	49.91 282	eP	P	11 34 41.9 +0.6
T25A	Trinidad	50.08 278	eP	P	11 34 43.3 +1.0
T25A	Trinidad	50.08 278	P	P	11 34 41.9 -0.4
KLU	Klutina	50.20 325	eP	P	11 34 41.8 -0.9
SDCO	Great Sand Dun	50.20 280	eP	P	11 34 43.8 +0.5
SDCO	Great Sand Dun	50.20 280	P	P	11 34 42.8 -0.5
WHXT	Lake Whitney,	50.29 268	P	P	11 34 44.1 +0.3
HWUT	Hardware Ranch	50.50 287	eP	P	11 34 45.2 -0.2
HLID	Halley	50.51 291	eP	P	11 34 46.0 +0.5
HLID	Halley	50.51 291	P	P	11 34 44.8 -0.7
GNI	Garni	50.79 75	LR	LR	11 56 42.3
B05A	Bryan	50.79 300	P	P	11 34 46.5 -0.8
S22A	4UR Ranch, Cre	50.90 281	eP	P	11 34 48.9 +0.2
S22A	4UR Ranch, Cre	50.90 281	P	P	11 34 48.1 -0.6
ABTX	Abilene, Hawle	50.97 271	P	P	11 34 48.5 -0.4
BMO	Blue Mountains	50.99 294	eP	P	11 34 48.3 -0.8
JLU	Jordanle	51.18 287	eP	P	11 34 50.6 0.0
MMAI	Mount Meron Ar	51.23 88	LR	LR	11 58 01.8
PM1A	Prenton Nutter	51.28 285	eP	P	11 34 51.7 +0.2
435B	Jarrell	51.30 267	P	P	11 34 50.5 -0.9
SKT	Skwentna	51.47 328	eP	P	11 34 51.6 -0.6
ABKAR	Abkalar array	51.49 57	P	P	11 34 52.6 0.0
PV12	Saucer Basin,	51.50 283	eP	P	11 34 53.9 +0.8
PV01	Paradox Valley	51.52 282	eP	P	11 34 53.5 +0.2
PV02	Paradox Valley	51.55 282	eP	P	11 34 53.3 +0.3
PV11	David Mesa, Pa	51.55 283	eP	P	11 34 54.4 +0.9
PV16	Nyswonger Mesa	51.57 283	eP	P	11 34 53.8 +0.2
PV03	Paradox Valley	51.58 283	eP	P	11 34 53.9 +0.2
MSXT	Muleshoe	51.60 274	P	P	11 34 53.6 -0.2
TOA0	Torodi Ar. Sit	51.61 135	eP	P	11 34 53.2 -0.6
TORD	Torodi Ar. Bea	51.61 135	P	P	11 34 53.2 -0.6
TORD	Torodi Ar. Bea	51.61 135	LR	LR	11 54 33.9
PV18	Skein Mesa, Pa	51.61 283	eP	P	11 34 54.2 +0.2
PV17	East Wray Mesa	51.61 283	eP	P	11 34 54.0 +0.1

PV13	Radium Mtn., P	51.63 282	eP	P	11 34 54.3 +0.2
P17A	Butcher Canyon,	51.65 285	eP	P	11 34 54.4 +0.3
MPU	Maple Canyon	51.70 286	eP	P	11 34 54.8 +0.3
BGU	Big Grassy Mou	51.74 288	eP	P	11 34 54.7 -0.1
SRU	San Rafael Swe	51.81 285	eP	P	11 34 54.1 -1.2
PV05	Paradox Valley	51.84 283	eP	P	11 34 55.7 +0.1
NLU	Northern Lily Min	51.98 286	eP	P	11 34 57.0 +0.4
TMUT	Trail Mountain	52.02 285	eP	P	11 34 57.2 +0.1
DUG	Dugway, Tooele	52.18 287	eP	P	11 34 58.0 0.0
MVC	Mesa Verde	52.18 281	eP	P	11 34 58.4 +0.2
MVCO	Mesa Verde	52.18 281	P	P	11 34 57.2 -0.9
F05D	White Salmon	52.23 298	P	P	11 34 59.0 +0.8
J08A	Circle Bar Ran	52.66 294	eP	P	11 35 01.1 -0.4
JCT	Junction City	52.72 269	eP	P	11 35 01.9 -0.1
JCT	Junction City	52.72 269	P	P	11 35 01.5 -0.6
F04D	Rainier, OR	52.81 299	P	P	11 35 00.4 -2.1
ANMO	Albuquerque	52.82 278	P	P	11 35 03.2 +0.3
ANMO	Albuquerque	52.82 278	LR	LR	11 56 36.5
ANMO	Albuquerque	52.82 278	eP	P	11 35 03.9 +1.1
ANMO	Albuquerque	52.82 278	P	P	11 35 02.5 -0.3
TASL	Snake Pit, Alb	52.82 278	P	P	11 35 02.6 -0.3
TASM	ASL Pad, Albuq	52.82 278	P	P	11 35 02.3 -0.6
BVAR	Borovoye Array	53.08 47	P	P	11 35 04.2 -0.1
BVAR	Borovoye Array	53.08 47	LR	LR	11 55 50.8
WVOR	Wild Horse Val	53.43 293	eP	P	11 35 07.5 +0.3
PINE	Pine Mountain	53.53 296	eP	P	11 35 12.7 +4.7
G03D	McMinnville, O	53.58 299	eP	P	11 35 08.1 0.0
LAZ	Laurel Mtn	53.95 278	eP	P	11 35 09.9 +1.3
H04D	Lebanon	53.84 298	P	P	11 35 09.9 -0.2
PSUT	Pine Spring	53.95 287	eP	P	11 35 11.3 +0.1
PKCU	Pink Cliffs	53.98 285	eP	P	11 35 11.7 +0.1
J05D	Fort Rock, OR	54.06 296	P	P	11 35 10.4 -1.4
833A	Chaparral WMA,	54.20 267	P	P	11 35 12.6 -0.2
K05A	Summer Lake	54.31 295	eP	P	11 35 18.7 +5.0
CCUT	Cedar City	54.45 285	eP	P	11 35 15.4 +0.6
MOD	Modoc Plateau	54.64 294	eP	P	11 35 16.4 +0.3
MOD	Modoc Plateau	54.64 294	LR	LR	11 53 58.2
MINX	Cornudas Mount	54.75 275	eP	P	11 35 16.5 -0.4
MINX	Cornudas Mount	54.75 275	P	P	11 35 16.5 -0.4
U15A	North Rim	54.75 284	eP	P	11 35 17.1 0.0
I03D	Drain, OR	54.76 297	P	P	11 35 16.3 -0.3
LCMT	Little Creek M	54.80 285	eP	P	11 35 16.8 -0.5
WUAZ	Wupatki	54.97 282	eP	P	11 35 18.9 +0.4
WUAZ	Wupatki	54.97 282	P	P	11 35 18.7 +0.1
R11A	Troy Canyon, C	54.98 288	eP	P	11 35 18.8 +0.1
R11A	Troy Canyon, C	54.98 288	P	P	11 35 18.4 -0.3
121A	Cookes Peak, D	55.38 277	P	P	11 35 21.9 +0.3
DBIC	Dimbokro	55.44 146	LR	LR	11 56 02.0
TX31	Lajitas Ar. Si	55.69 271	eP	P	11 35 24.1 +0.4
TXAR	Lajitas Ar. Si	55.69 271	P	P	11 35 23.8 +0.1
TXAR	Lajitas Ar. Si	55.69 271	LR	LR	11 58 31.8
KVN	Kaiserville	55.72 290	eP	P	11 35 24.2 +0.3
PAHR	Pahrs Ranch	55.86 291	eP	P	11 35 24.5 -0.4
YBH	Yreka Blue Hor	55.94 295	LR	LR	11 58 27.9
SHPR	Sheep Range	56.17 286	eP	P	11 35 26.9 -0.3
RYN	Ryan	56.25 290	eP	P	11 35 27.9 +0.1
M02C	M02C	56.27 295	P	P	11 35 28.2 +0.4
NV01	Mina Array Sit	56.29 290	eP	P	11 35 27.4 -0.7
NVAR	Mina Array Bea	56.29 290	P	P	11 35 28.0 -0.1
NVAR	Mina Array Bea	56.29 290	LR	LR	11 59 03.9
VCNR	Virginia City	56.30 291	eP	P	11 35 28.8 +0.6
TPNV	Topopah Spring	56.39 287	P	P	11 35 28.9 +0.2
PNTR	Pine Nut	56.44 291	eP	P	11 35 29.9 +0.7
GRAC	Grapevine Rang	56.92 288	P	P	11 35 32.2 -0.2
FURC	Furnace Creek,	57.07 287	P	P	11 35 33.6 +0.2
TUC	Tucson	57.14 279	P	P	11 35 34.3 +0.3
002D	Mt. Diablo Mer	57.17 294	P	P	11 35 34.0 -0.2
NEE2	Needles Airpor	57.23 284	P	P	11 35 35.1 +0.6
PDMC1	Parker Dam,Lak	57.34 283	P	P	11 35 35.5 +0.2
TUQ	Turquoise Moun	57.39 286	P	P	11 35 36.0 +0.2
MPMC	Mineral Prospec	57.71 287	P	P	11 35 38.3 +0.2
CWC	Cottonwood Cre	57.72 288	P	P	11 35 38.1 0.0
GMRC	Granite Mouna	57.76 285	P	P	11 35 38.7 +0.3
GSC	Goldstone, Bar	57.95 286	eP	P	11 35 39.9 +0.3
GSC	Goldstone, Bar	57.95 286	P	P	11 35 40.0 +0.3
IRM	Iron Mountain	57.98 284	P	P	11 35 39.0 -0.9
KURK	Kurchatov	58.06 44	P	P	11 35 40.2 +0.1
KURB	Kurchatov Arra	58.10 44	P	P	11 35 40.2 -0.2
LRMC	Laurel Mtn Rd	58.26 287	P	P	11 35 42.0 +0.1
214A	Organ Pipe Nat	58.48 281	P	P	11 35 42.8 -0.6
ISA	Isabella, Lake	58.52 288	eP	P	11 35 43.6 0.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like Pinedale Array, AKTO Aktyubinsk, TORDI Torodi Ar. Bea, etc.

ISCJB 15 12:50:02.9.0.3, 59.62N, 0.02:24.43E, 0.05, h0km, Error ellipse: s-maj=3.7km s-min=2.9km az=15.4

NAO 15 12:50:04.2.0.9, 59.67N, 24.49E, ML2.9, HEL 15 12:50:04.9.0.1, 59.64N, 24.46E, h0km, ML2.8, Explosion IDC 15 12:50:05.8.0.9, 59.77N, 24.42E, h0km, mb1, 3.6/4, mb1mx3.2/70, mbtmp3.5/4, ML3.5/5, Error ellipse: s-maj=10.8km s-min=5.8km az=129.0

LVSN 15 12:50:06.8.7.1, 59.69N, 24.56E, h0km, ML3.0, UPP 15 12:50:19.2.2.4, 59.96N, 22.30E, h0km, ML1.6

ISC 15 12:50:02.1.0.6, 59.72N, 0.02:24.43E, 0.02, h0km, n53, a180/85, Baltic States-Belarus-Northwestern Russia

Main table for 15d 13h section, listing station codes (MEF, ARBE, MTSE, etc.), station names, and their respective parameters.

Table for 2012 AUG section, listing station codes (SUW, NROA, NB2, etc.), station names, and their respective parameters.

IDC 15 13:25:43.3.2.9, 5.21S, 127.86E, h365km, 28km, mb2.9/2, mb1 3.3/6, mb1mx2.9/55, mbtmp4.0/6, Error ellipse: s-maj=44.3km s-min=12.1km az=68.0, Banda Sea

Table for IDC 15 13:25:43.3.2.9, listing station codes (BATI, FITZ, WRA, etc.), station names, and their respective parameters.

IDC 15 13:29:12.9.969, 0.48:23N, 160.467E, h0km, Error ellipse: s-maj=412.7km s-min=187.4km az=132.0, Ukraine-Moldova-Southwestern Russia region

Table for IDC 15 13:29:12.9.969, listing station codes (I43RU, I26DE, I48TN, etc.), station names, and their respective parameters.

DJA 15 13:43:35.8.2.0, 4.5S, 15.14E, 3.7, h18km, 51km, M3.8/3, ML3.8/3, New Guinea

Table for DJA 15 13:43:35.8.2.0, listing station codes (JAY, GENI), station names, and their respective parameters.

JMA 15 13:45:30.4.0.1, 23.51N, 121.58E, h38km, 2km, M2.9, ISCJB 15 13:45:31.4.0.3, 23.56N, 0.02:121.61E, 0.02, h30km, 2km, Error ellipse: s-maj=3.3km s-min=2.1km az=139.6

TAP 15 13:45:31.5.23.58N, 121.56E, h32km, ML3.4, B, ISC 15 13:45:28.6.1.1, 23.52N, 0.02:121.67E, 0.02, h10km, 9km, n81, c1904/122, 1C-18D, Taiwan

Main table for 2012 AUG section, listing station codes (EGFH, EHY, ESH, etc.), station names, and their respective parameters.

Main table for 754 section, listing station codes (SSLB, WHF, TWH, etc.), station names, and their respective parameters.

Table with columns: Station, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like KOMASI, HSAM, MAK, GROG, IAFJ, etc.

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

Table with columns: Station, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like AKBB, KIEV, HOQ, AK11, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like MAKZ, MK31, MKAR, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like KONO, NA005, NA004, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other technical details. Includes stations like SPA0, SPITS, SPITS, etc.

2012 AUG

15d 17h

Table with columns for station name, frequency, power, and other technical details. Includes stations like GYA, PHIT, SRDT, PBKT, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like LBTB, JNU, JNU, YSS, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like TOBO, CLWO, MEDO, etc.

L43A	Garden Prairie	90.06	329	P	P	18 02 05.5	-0.4
O48A	Farmland	90.11	325	P	P	18 02 05.2	-1.0
H35A	Sunnyside Ranc	90.22	334	P	P	18 02 06.9	+0.2
J39A	Decorah	90.26	331	P	P	18 02 06.2	-0.7
Q51A	Peebles	90.27	323	P	P	18 02 06.3	-0.7
BLA	Blacksburg	90.28	320	P	P	18 02 06.8	-0.4
I37A	Lemond, Waseca	90.31	332	eP	P	18 02 07.7	+0.6
I37A	Lemond, Waseca	90.31	332	P	P	18 02 07.0	0.0
K41A	Shullsburg	90.33	330	P	P	18 02 06.6	-0.6
M44A	Midew, Midew	90.43	328	eP	P	18 02 07.7	0.0
M44A	Midew, Midew	90.43	328	P	P	18 02 07.1	-0.6
R52A	Cattlettsburg	90.49	323	P	P	18 02 07.7	-0.3
P49A	Miami Univ. Ec	90.49	325	P	P	18 02 06.9	-1.1
J38A	Wedel Dairy, R	90.56	331	P	P	18 02 07.5	-0.8
O47A	Sheridan	90.58	326	P	P	18 02 07.6	-0.8
K40A	Colesburg	90.58	330	P	P	18 02 07.7	-0.7
L42A	Oliver, Polo	90.59	329	eP	P	18 02 08.1	-0.3
L42A	Oliver, Polo	90.59	329	P	P	18 02 07.9	-0.5
Q50A	Georgetown	90.71	324	P	P	18 02 08.3	-0.8
LLLB	Lillooet	90.73	353	eP	P	18 02 10.2	+1.3
L41A	Preston	90.86	330	P	P	18 02 09.5	-0.2
K39A	Oelwein	90.87	331	P	P	18 02 08.6	-1.2
P48A	Milroy	90.88	325	P	P	18 02 08.7	-1.1
J37A	Redenius Farm,	90.97	332	P	P	18 02 10.0	-0.1
Q49A	Aurora	91.00	324	P	P	18 02 09.6	-0.8
M42A	Sheffield	91.09	329	P	P	18 02 10.4	-0.3
L40A	Anamosa	91.16	330	eP	P	18 02 10.9	-0.2
L40A	Anamosa	91.16	330	P	P	18 02 10.3	-0.7
WALA	Waterson Lakes	91.17	347	eP	P	18 02 11.1	0.0
P47A	Martinsville	91.23	325	P	P	18 02 10.3	-1.2
J36A	Seneca 1, Swea	91.24	333	eP	P	18 02 12.1	+0.6
J36A	Seneca 1, Swea	91.24	333	P	P	18 02 11.4	0.0
K38A	Parkersburg	91.25	331	eP	P	18 02 11.2	-0.3
K38A	Parkersburg	91.25	331	P	P	18 02 10.7	-0.8
N43A	Stutzman Famil	91.28	328	P	P	18 02 11.2	-0.5
R50A	Paris	91.32	324	P	P	18 02 11.2	-0.7
Q48A	North Vernon	91.44	325	P	P	18 02 11.6	-0.8
M41A	Milan	91.47	329	P	P	18 02 12.3	-0.2
T52A	Hallie	91.63	322	P	P	18 02 13.1	-0.2
ECSD	EROS Data Cent	91.68	334	eP	P	18 02 12.8	-0.7
ECSD	EROS Data Cent	91.68	334	P	P	18 02 13.3	-0.2
R49A	Shelbyville	91.71	324	P	P	18 02 13.1	-0.6
N42A	Yates City	91.72	329	P	P	18 02 13.1	-0.6
L38A	Oak Wood Farm,	91.76	331	P	P	18 02 13.3	-0.6
LAO	LASA Array	91.81	342	eP	P	18 02 16.0	+1.9
LAO	LASA Array	91.81	342	P	P	18 02 15.7	+1.6
SUSD	Miller	91.82	336	P	P	18 02 13.9	-0.2
M40A	Post Highland	91.83	330	P	P	18 02 13.8	-0.4
S50A	Richmond	91.84	323	P	P	18 02 13.8	-0.5
P45A	Graceland, Par	91.85	326	eP	P	18 02 14.6	+0.3
P45A	Graceland, Par	91.85	326	P	P	18 02 13.5	-0.8
U53A	Fall Branch	92.02	321	P	P	18 02 15.0	-0.2
M39A	Webster	92.03	330	P	P	18 02 14.4	-0.7
L37A	Phoenix Point,	92.07	332	P	P	18 02 14.2	-1.1
N41A	Harden Midland	92.16	329	eP	P	18 02 15.3	-0.4
N41A	Harden Midland	92.16	329	P	P	18 02 14.7	-1.0
S49A	Springfield	92.17	324	P	P	18 02 15.0	-0.8
WCI	Wyandotte Cave	92.27	325	P	P	18 02 15.4	-0.9
P44A	Sand Creek, Wi	92.27	327	P	P	18 02 15.8	-0.4
N40A	Mertquake, Sal	92.30	330	P	P	18 02 16.0	-0.4
R47A	Wooly Knot Far	92.32	325	P	P	18 02 15.9	-0.7
TZTN	Tazewell	92.35	322	P	P	18 02 16.8	+0.1
KM5C	Kings Mountain	92.36	320	eP	P	18 02 16.9	+0.1
KM5C	Kings Mountain	92.36	320	P	P	18 02 17.0	+0.2
U52A	Thorn Hill	92.38	322	P	P	18 02 16.7	-0.2
L36A	Harm Buss Farm	92.43	332	P	P	18 02 16.6	-0.4
NEW	Newport	92.45	349	eP	P	18 02 18.1	+1.1
NEW	Newport	92.45	349	eP	P	18 02 18.1	+1.1
NEW	Newport	92.45	349	P	P	18 02 17.7	+0.7
M38A	Pleasantville	92.47	331	P	P	18 02 16.8	-0.3
Q45A	Warren Harvey,	92.55	326	P	P	18 02 17.1	-0.4
T50A	Nancy	92.58	323	P	P	18 02 16.7	-1.1
S48A	Wiedeman Farm,	92.63	324	P	P	18 02 16.9	-1.0
O40A	Colville Reser	92.66	351	eP	P	18 02 18.4	+0.4
N39A	Derby Farms, D	92.67	330	eP	P	18 02 18.1	0.0
N39A	Derby Farms, D	92.67	330	P	P	18 02 17.8	-0.3
O41A	Passleys Farm,	92.67	329	P	P	18 02 17.2	-0.9
V53A	Saluda	92.68	321	eP	P	18 02 18.5	+0.2
V53A	Saluda	92.68	321	P	P	18 02 18.3	0.0
U51A	La Follette	92.70	322	P	P	18 02 18.3	-0.1
FITZ	Fitzroy Crossi	92.77	111	P	P	18 02 17.4	-1.4
FITZ	Fitzroy Crossi	92.77	111	P	P	18 45 43.7	
R46A	Gibson Southern	92.83	326	P	P	18 02 17.9	-1.0

T49A	Edmonton	92.84	324	P	P	18 02 18.0	-0.9
PAUL	Pauline	92.86	320	eP	P	18 02 19.7	+0.6
V52A	Sevierville	92.93	322	eP	P	18 02 19.8	+0.4
V52A	Sevierville	92.93	322	P	P	18 02 19.2	-0.2
HRY	Holler Researc	93.04	345	eP	P	18 02 20.7	+0.8
M36A	Felix, Anita	93.04	332	eP	P	18 02 20.2	-0.6
S47A	Hartford	93.05	325	P	P	18 02 18.8	-1.1
C09A	Chrisman Ranch	93.07	350	eP	P	18 02 20.4	+0.6
O40A	La Belle	93.07	329	eP	P	18 02 19.4	-0.5
USIN	University of	93.10	326	eP	P	18 02 20.2	+0.1
R45A	Skylar, Fairri	93.10	326	P	P	18 02 19.4	-0.7
TKL	Tuckaleechee C	93.16	322	P	P	18 02 20.5	0.0
TKL	Tuckaleechee C	93.16	322	P	P	18 45 55.4	
Q43A	New Douglas	93.17	327	P	P	18 02 20.3	-0.1
O39A	Kirksville	93.22	330	P	P	18 02 20.2	-0.4
T48A	Bowling Green	93.23	324	P	P	18 02 20.1	-0.7
W53A	Cullowhee	93.25	321	P	P	18 02 21.1	0.0
BG3	Lake Jocassee	93.28	321	eP	P	18 02 21.4	+0.4
WRW	Wenatchee Ridg	93.34	352	eP	P	18 02 23.2	+2.0
S46A	Don Dixon Farm	93.36	325	P	P	18 02 20.3	-1.0
N37A	Lee Faris, Mou	93.42	331	eP	P	18 02 21.6	+0.1
N37A	Lee Faris, Mou	93.42	331	P	P	18 02 21.1	-0.5
GCMT	Greycliff	93.47	344	eP	P	18 02 22.7	+0.8
R44A	Waltonville	93.49	327	P	P	18 02 21.4	-0.5
HODGE	Hodges	93.54	320	eP	P	18 02 22.9	+0.6
RSSD	Black Hills	93.63	339	eP	P	18 02 23.9	+1.2
RSSD	Black Hills	93.63	339	eP	P	18 02 23.9	+1.2
P40A	Paris	93.64	329	eP	P	18 02 22.7	+0.1
P40A	Paris	93.64	329	P	P	18 02 22.2	-0.4
T47A	Sharon Grove	93.66	325	eP	P	18 02 21.9	-0.8
T47A	Sharon Grove	93.66	325	P	P	18 02 21.3	-1.4
CPCT	Cooper Cave	93.69	322	eP	P	18 02 19.9	-3.0
S45A	Carrier Mills	93.75	326	P	P	18 02 22.3	-0.7
U48A	Cassie Pea, Po	93.79	324	P	P	18 02 22.2	-1.1
V50A	Pikeville	93.79	323	P	P	18 02 22.8	-0.6
Q41A	Truxton	93.80	328	P	P	18 02 22.8	-0.5
X53A	Estanoollee	93.85	321	P	P	18 02 23.5	-0.1
D08A	Wollman Farm,	93.88	350	eP	P	18 02 24.8	+1.3
D03D	Eldon	93.89	353	P	P	18 02 24.6	+1.1
RLMT	Red Lodge	94.01	343	eP	P	18 02 25.6	+1.2
Y54A	Tignall	94.05	320	P	P	18 02 24.7	+0.2
X52A	Dallonega	94.07	321	P	P	18 02 24.7	0.0
BOZ	Bozeman (W)	94.07	345	eP	P	18 02 25.3	+0.7
BOZ	Bozeman (W)	94.07	345	eP	P	18 02 25.3	+0.7
BOZ	Bozeman (W)	94.07	345	eP	P	18 02 25.3	+0.7
BOZ	Bozeman (W)	94.07	345	P	P	18 02 24.6	0.0
Q40A	Law Farm, Aux	94.11	329	P	P	18 02 24.6	-0.1
P38A	Dawn	94.15	330	P	P	18 02 24.8	-0.1
U47A	Clarksville	94.19	324	P	P	18 02 24.1	-1.1
E09A	Wood Farm, Sta	94.31	350	eP	P	18 02 26.5	+1.0
GENI	Genem	94.33	90	P	P	18 02 27.8	+1.7
R41A	Rosebud	94.42	328	P	P	18 02 25.4	-0.8
Q39A	Willow Grove F	94.43	330	P	P	18 02 26.1	-0.1
Y53A	Monroe	94.51	320	P	P	18 02 27.0	+0.3
V48A	Smith Brothers	94.55	324	P	P	18 02 25.7	-1.2
CCM	Cathedral Cave	94.57	328	eP	P	18 02 27.3	+0.5
CCM	Cathedral Cave	94.57	328	eP	P	18 02 27.3	+0.5
CCM	Cathedral Cave	94.57	328	P	P	18 02 26.9	0.0
X51A	Calhoun	94.57	322	eP	P	18 02 27.6	+0.6
HAWA	Hanford	94.62	350	eP	P	18 02 28.2	+1.2
S42A	Caledonia	94.62	327	P	P	18 02 26.3	-0.8
Z54A	Sparta	94.63	320	P	P	18 02 27.1	-0.1
WWT	Waverly	94.69	325	P	P	18 02 26.1	-1.4
F10A	Beach Ranch, E	94.70	349	eP	P	18 02 28.1	+0.6
J52A	Jayapura	94.71	89	P	P	18 02 28.2	+0.3
YAY	Liburn	94.74	321	eP	P	18 02 28.1	+0.4
Y52A	Liburn	94.74	321	P	P	18 02 27.6	-0.1
Q38A	Cooks Store, C	94.75	330	P	P	18 02 27.0	-0.7
R40A	Maddies Statio	94.79	329	eP	P	18 02 27.8	-0.1
R40A	Maddies Statio	94.79	329	P	P	18 02 27.3	-0.5
V47A	Nunnely	94.80	324	P	P	18 02 26.5	-1.4
GOGA	Godfrey	94.81	320	eP	P	18 02 28.3	+0.3
GOGA	Godfrey	94.81	320	eP	P	18 02 28.3	+0.3
GOGA	Godfrey	94.81	320	P	P	18 02 27.6	-0.4
Z53A	Monticello	94.96	320	P	P	18 02 28.3	-0.5
W48A	Pulaski	95.09	323	P	P	18 02 27.5	-1.9
V46A	Holladay	95.09	325	P	P	18 02 28.0	-1.4
YPP	Pitchstone Pla	95.16	344	eP	P	18 02 32.4	+2.6
S41A	Jillico Farms,	95.17	328	P	P	18 02 29.1	-0.5
Y51A	Rockmart	95.21	321	P	P	18 02 29.5	-0.4
FLWY	Flagg Ranch	95.32	344	eP	P	18 02 32.5	+2.0
T42A	Van Buren	95.37	327	eP	P	18 02 30.3	-0.3
T42A	Van Buren	95.37	327	P	P	18 02 29.8	-0.8
Z52A	Williamson	95.46	321	P	P	18 02 30.9	-0.2
S40A	Lebanon	95.48	329	P	P	18 02 30.3	-0.7

IMW	Indian Meadow	95.55	344
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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DGS Degeres, IZV Izvestkoviy, MTBS Matube, DRK Karamyk, etc.

ISC 15 22:55:50.2±3.12,68N,125.90E,h0km,mb3.5/4, mb1 3.6/4, mb1mx3.2,65,mbmp3.5/4, Error ellipse: s-maj=196.0km s-min=25.9km az=69.0, Samar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, etc.

ISK 15 22:10:10.6, 37.85N, 26.68E, h5km, ML3.6/2.1, ITH 15 22:10:10.7, 37.82N, 26.75E, h2km, 1km, ML3.4/4, Error ellipse: s-maj=3.3km s-min=1.4km az=85.0

ISC JB 15 22:10:11.4, 0.5, 37.84N, 0.02, 26.68E, 0.03, h3km, 3km, Error ellipse: s-maj=3.7km s-min=2.6km az=158.9

ISC 15 22:10:11.7, 37.86N, 26.72E, h7km, ML3.5, DDA 15 22:10:11.7, 37.86N, 26.72E, h7km, ML3.5

ISC 15 22:10:11.7, 0.9, 37.84N, 0.02, 26.68E, 0.02, h12km, 6km, n60, c#83/81, Dodecanese Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AYDN Kayabasi, BDRM Kayabasi, MIBSE Milas, etc.

BUI 15 22:12:45.4, 9.70N, 57.20E, h4km, mb4.7/32, mb4.9/21, Ms4.3/9, Ms7.4/3/9

ISC 15 22:12:46.5, 0.5, 9.81N, 57.18E, h0km, mb4.3/33, mb1 4.4/33, mb1mx4.3/69, mbmp4.3/33, MS3.5/31, Ms1 3.5/31, ms1mx3.16, Error ellipse: s-maj=12.7km s-min=11.4km az=16.0

MOS 15 22:12:46.3, 1.2, 9.81N, 57.06E, h10km, mb4.6/43, Error ellipse: s-maj=9.6km s-min=8.2km az=91.3

NEIC 15 22:12:47.9, 0.3, 9.78N, 57.17E, h10km, mb4.5/15, Error ellipse: s-maj=7.6km s-min=6.3km az=4.0

ISC 15 22:12:52.3, 3.2, 9.90N, 0.08, 57.14E, 0.06, h35km, 15km, n172, c#164/169, mb4.5/39, MS3.6/34, 3C-1D, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WSAR Wadi Sarin, ATD Arta Tunnel, RAYN Ar Rayn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBZ Khabaz, AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Station, Name, Az, El, P, S, Sn, Time, Res. Includes stations like LZH, TAMR, SOKA, ARSA, etc.

Table with columns: Station, Name, Az, El, P, S, Sn, Time, Res. Includes stations like NWAOW, USRK, KLR, FITZ, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

MEX 15 22:47:00.3-0.4, 16.29N, 98.27W, h10km, 7km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PNIG Pinotepa, TLIG Tiapa, VHO Vista Hermosa.

ISC 15 22:49:52.1-2.1, 35.89N, 83.27E, h0km, mb3.7/3, mb1 4.0/8, mb1mx3.4/7.1, mbtmp3.9/8, ML3.5/5, Error ellipse: s-maj=58.9km s-min=18.0km az=63.0

BUI 15 22:49:53.8, 35.80N, 82.52E, h14km, ML3.7/6, NNC 15 22:49:57.8-4.5, 36.33N, 83.21E, h0km, mb4.3, mpv4.1, Error ellipse: s-maj=65.5km s-min=35.0km az=75.0

ISC 15 22:49:55.0-1.2, 35.94N, 0.09, 82.8E, 0.1, h10km, n13, c=82/17, mb3.6/3, 4C-2D, Xizang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PDGK Podgornoye, WMQ Urumqi, AAK Ala-Archa, MK31 Makanchi Array, etc.

ISCJB 15 23:03:40.3-1.1, 37.89N, 0.06, 26.75E, 0.08, h11km, 7km, Error ellipse: s-maj=13.7km s-min=5.3km az=136.4

DDA 15 23:03:40.7, 37.89N, 26.77E, h7km, M12.6, ISK 15 23:03:40.6, 37.92N, 26.80E, h14km, ML2/4

ISC 15 23:03:40.7-1.4, 37.90N, 0.06, 26.78E, 0.07, h15km, 9km, n13, c=82/19, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like DGB Zmir, GCAM G?zelcemi?, URLA Izmir, etc.

ISC 15 23:23:44.0-0.6, 7.44S, 147.01E, h0km, mb4.5/2.0, mb1 4.6/2.1, mb1mx4.5/4.7, mbtmp4.5/2.1, ML4.0/1, MS3.7/13, Ms1 3.7/13, ms1mx3.4/4.6, Error ellipse: s-maj=24.7km s-min=13.2km az=89.0

ISCJB 15 23:23:48.0-0.4, 7.52S, 0.04, 146.91E, 0.08, h32km, mb4.6/38, MS3.8/14, Error ellipse: s-maj=12, 13km s-min=5.4km az=21.2

BUI 15 23:23:47.9, 7.51S, 147.27E, h45km, mb4.8/43, mb5.1/27, Ms4.9/8, Ms7.4/6.7

NEIC 15 23:23:51.4-1.3, 7.55S, 146.90E, h51km, 12km, mb4.6/9, Error ellipse: s-maj=13.9km s-min=8.2km az=78.0

ISC 15 23:23:49.4-0.5, 7.52S, 0.05, 147.0E, 0.1, h32km, n96, c=182/95, mb4.7/38, MS3.7/14, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PMG Port Moresby, COEN Coen, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ASAR comp=Z, 4.06nm, 18.4s, baz=51, slow=40, GUMO Guam, ARMA Armidale, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PETK Petropavlovsk, GAT Gaotai, GTA Ganite, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JIRN Jiri, GUN Gumba, PKIN Pichulok, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like AAK Ala-Archa, KURK Kurchatov Arr, KURB Kurchatov Arr, etc.

ATH 15 23:41:08.6-3.7, 82N, 26.72E, h23km, 1km, ML2.2/2, Error ellipse: s-maj=2.6km s-min=1.5km az=86.0

DDA 15 23:41:08.3, 37.85N, 26.68E, h7km, M12.8, ISK 15 23:41:08.7, 37.84N, 26.70E, h3km, ML2.2/12

ISCJB 15 23:41:09.0-0.5, 37.83N, 0.02, 26.68E, 0.03, h4km, 4km, Error ellipse: s-maj=4.1km s-min=3.1km az=158.2

ISC 15 23:41:09.1-0.9, 37.84N, 0.02, 26.70E, 0.02, h13km, 7km, n35, c=81/71/51, Dodecanese Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SMG Samos, DGB Zmir, GCAM G?zelcemi?, etc.

ISC 15 23:45:52.6-1.0, 13.52N, 88.90W, h55km, 7km, mb4.5/37, mb1 4.6/38, mb1mx4.5/4.9, mbtmp4.8/38, MS4.5/42, Ms1 4.5/42, ms1mx4.5/4.9, Error ellipse: s-maj=14.1km s-min=8.5km az=58.0

NEIC 15 23:45:52.3-0.2, 13.15N, 89.22W, h56km, mb5.2/297, MW5.5, MD5.6(SNET), Error ellipse: s-maj=4.0km s-min=3.0km az=38.0, Moment Tensor Solution, s46

Moment tensor: Scale 10¹⁷N; Mr:1.40; Mw:0.10; Ms:1.30; Mm:0.79; Mv:1.02; Mst:0.62; Best double couple: M=2.00000x10¹⁷ NP1=136.00000, 862.00000, 1.73.00000, NP2=349.00000, 833.00000, 1.19.00000

Principal axes: T 1.7600, Plg69.0000, Azm11.0000; N 0.3700, Plg15.0000, Azm144.0000; P -2.1300, Plg15.0000, Azm238.0000

NEIC [I] at San Salvador and [IV] at Antigua Cuscatlan, El Rosario, La Libertad, Nueva San Salvador and San Pedro Perulapan. Felt in much of El Salvador and at Antigua Guatemala and Villa Nueva, Guatemala.

CASC 15 23:45:53.5-2.0, 13.26N, 89.35W, h71km, 10km, MD4.9, ML5.3, mb5.2(NEIC)

ISCJB 15 23:45:53.8-0.2, 13.25N, 0.02, 89.27W, 0.02, h83km, 1km, mb5.0/353, Error ellipse: s-maj=3.2km s-min=1.8km az=42.3

BUI 15 23:45:55.5, 13.10N, 89.20W, h80km, mb5.2/12, Ms4.5/18, Ms7.5/21.7

GCMT 15 23:45:55.3-0.1, 13.17N, 0.01, 89.55W, 0.01, h64km, MW5.5/11, Moment Tensor Solution, s101,c177; s111,c218; Duration: 183 Moment tensor: Scale 10¹⁷N; Mr:1.13; Ms:0.23; Mw:0.90; Ms:1.01; Ms:1.01; Ms:0.98; Ms:0.70; Ms:0.70; Best double couple: M=1.85600x10¹⁷ NP1=128.00000, 867.00000, 1.73.00000, NP2=347.00000, 828.00000, 1.25.00000

Principal axes: T 1.6800, Plg64.0000, Azm10.0000; N 0.3540, Plg16.0000, Azm135.0000; P -2.0320, Plg20.0000, Azm231.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triane failure moment-rate function

MOS 15 23:45:56.2-1.1, 13.35N, 89.09W, h104km, mb5.1/62, MS4.5/9, Error ellipse: s-maj=8.7km s-min=4.2km az=105.4

ISC 15 23:45:54.7-0.3, 13.34N, 0.03, 89.22W, 0.03, h74km, 2km, h74km; pp-P, n1321, c=1951/1452, mb5.1/353, 7C-13D, EI

15d 23h

2012 AUG

Code	Station Name	A°	AZ°	Phase	ID	Time	Res	ISC
						h m s	ISC	
LFRS	El Faro	0.33	297	iP	Pn	23 46 05.8	-0.8	
COLS	Colinas	0.33	347	iP	Pn	23 46 05.3	-1.4	
SNET	Serv Nav Est T	0.35	359	eP	Pn	23 46 05.6	-1.1	
SNET				eP	Pn	23 46 18.3	-0.3	
UTEC	San Salvador	0.36	3	eP	Pn	23 46 06.0	-0.8	
UTEC				eS	Sn	23 46 15.9	+0.2	
UESS	San Salvador	0.37	30	eS	Sn	23 46 17.0	+1.2	
UESS				eS	Sn	23 46 19.3		
OPAM	San Salvador	0.38	3	eP	Pn	23 46 06.2	-0.8	
OPAM				eP	Pn	23 46 19.8		
UEES	San Salvador	0.39	357	eP	Pn	23 46 06.0	-1.0	
UEES				eS	Sn	23 46 16.2	+0.1	
UEES				eS	Sn	23 46 22.1		
UBDS	Soyapango	0.39	9	eP	Pn	23 46 06.5	-0.6	
UBDS				eS	Sn	23 46 16.9	+0.8	
UBDS				eS	Sn	23 46 19.8		
CUSC	San Salvador	0.40	5	eP	Pn	23 46 06.6	-0.5	
CUSC				eP	Pn	23 46 22.3		
BOQS	Boqueron	0.40	352	iP	Pn	23 46 06.3	-1.0	
LFUJ	La Fuente	0.42	15	iP	Pn	23 46 07.1	-0.2	
UESV	Ojutitla	0.42	84	eS	Sn	23 46 19.1	+0.9	
UESV				eS	Sn	23 46 19.5	+0.3	
UESV				eS	Sn	23 46 24.4		
LBRS	Las Brisas	0.43	24	iP	Pn	23 46 07.4	0.0	
SNVI	San Vicente	0.46	54	eP	Pn	23 46 07.3	-0.4	
PAVA	Las Pavas	0.47	37	eP	Pn	23 46 07.9	+0.2	
PAVA				eP	Pn	23 46 09.3		
PAVA				eP	Pn	23 46 09.3		
CEVA	San Andres	0.49	340	eS	Sn	23 46 19.1	+1.9	
CEDA				eS	Sn	23 46 17.5	0.0	
CEVE	Cerro Verde	0.62	321	eP	Pn	23 46 07.9	-1.5	
CEVE				eS	Sn	23 46 19.5	-0.7	
CEVE				eS	Sn	23 46 22.7		
SBSL	San Blas	0.63	322	iP	Pn	23 46 07.9	-1.5	
SNJE	San Jose	0.65	325	iP	Pn	23 46 08.1	-1.4	
RTR	El Retiro	0.69	324	iP	Pn	23 46 08.8	-1.2	
LLGN	La Laguna	0.87	18	eP	Pn	23 46 11.8	-0.1	
LLGN				eS	Sn	23 46 27.8	+3.1	
LLGN				eS	Sn	23 46 32.5		
PACA	Pacayal	0.89	81	eP	Pn	23 46 13.0	+0.9	
PACA				eS	Sn	23 46 28.5	+3.4	
VSM	San Miguel	0.93	84	eP	Pn	23 46 13.3	+0.6	
LCND	La Cañada	1.30	91	eP	Pn	23 46 18.0	+0.9	
LCND				eS	Sn	23 46 38.0	+4.0	
LCND				eS	Sn	23 46 40.3		
IXG	Ixpaco	1.46	305	eP	Pn	23 46 17.4	-2.0	
CSGN	Cosiguina Volc	1.66	102	eP	Pn	23 46 45.9	+0.3	
TGUH	Tegucigalpa,Un	2.03	69	eP	Pn	23 46 28.4	+1.6	
TGUH	Tegucigalpa,Un	2.03	69	eP	Pn	23 46 28.4	+1.6	
TEL3	Telica 3	2.44	108	eP	Pn	23 46 32.3	-0.1	
TEL3				eS	Sn	23 47 01.3	0.0	
TEL3				eS	Sn	23 47 06.0		
CNGN	Cerro Negro	2.60	108	eP	Pn	23 46 34.6	+0.1	
CNGN				eS	Sn	23 47 05.8	+0.6	
MOMN	Momotombo	2.77	109	eP	Pn	23 46 36.7	-0.2	
MOMN				eP	Pn	23 47 22.4		
ESTN	Estel	2.79	94	eP	Pn	23 46 37.2	0.0	
ESTN	Estel	2.79	94	eP	Pn	23 46 38.0	+0.8	
ESTN				eS	Sn	23 47 12.7	+2.9	
CORN	Copaltepe	2.81	104	eP	Pn	23 46 36.4	-1.0	
BRAN	Las Pillas	2.87	112	eP	Pn	23 46 42.4	-1.1	
BRAN				eS	Sn	23 47 15.2	+3.7	
RCAN	San Juan de Ri	2.99	87	iP	Pn	23 46 41.3	+1.3	
MGAN	Managua	3.13	112	eP	Pn	23 46 41.6	-0.2	
MGAN				eS	Sn	23 47 18.2	+0.1	
MGAN				eS	Sn	23 47 28.6		
MATN	Matagalpa	3.24	97	eP	Pn	23 46 43.8	+0.5	
MASN	Masaya	3.28	114	eP	Pn	23 46 43.2	-0.6	
MASN				eS	Sn	23 47 21.1	-0.7	
MASN				eS	Sn	23 47 35.3		
BOAB	BOACO BROADBAN	5.8	104	eP	Pn	23 46 47.7	-0.1	
BOAB	BOACO BROADBAN	5.8	104	eP	Pn	23 46 47.7	-0.1	
COIN	Concepcion	3.93	116	eP	Pn	23 46 53.0	+0.3	
COIG	Comitan	4.06	016	eP	Pn	23 46 55.7	+1.1	
MESS	Mesas	4.71	123	eP	Pn	23 47 03.4	+0.4	
MESS				eS	Sn	23 47 57.0	+0.9	
CUI	Cuilapala	4.78	123	eP	Pn	23 47 05.4	+1.1	
CUI				eS	Sn	23 48 02.4	+3.9	
ESPN	Las Esperanzas	4.94	103	eP	Pn	23 47 05.6	-0.7	
ESPN	Las Esperanzas	5.16	125	eP	Pn	23 47 06.3	0.0	
JTS	JuntasAbangare	5.16	125	eP	Pn	23 47 10.2	+0.7	
JTS				eS	Sn	23 48 10.1	+2.4	
JTS	JuntasAbangare	5.16	125	eP	Pn	23 47 10.0	+0.5	
JTS				eS	Sn	23 48 04.3	-3.5	
JTS	JuntasAbangare	5.16	125	eP	Pn	23 47 10.4	+0.9	
ARE1	Arenal 1	5.25	122	eP	Pn	23 47 12.0	+1.3	
JAR1	Jicaral	5.25	122	eP	Pn	23 47 12.5	+5.4	
JCR	Jicaral	5.31	100	eP	Pn	23 47 12.3	+0.8	
SRA1	San Ramon	5.66	124	eP	Pn	23 47 18.4	+2.0	
SRA1				eS	Sn	23 48 24.3	+4.2	
CGA2	Cerro Gallo 2	5.71	125	eP	Pn	23 47 18.4	+1.3	
CGA2				eS	Sn	23 48 26.5	+5.1	
HDC	Heredia	6.00	123	eP	Pn	23 47 41.9	+0.9	
HDC	Heredia	6.00	123	eP	Pn	23 47 22.3	+1.2	
HDC				eS	Sn	23 48 30.1	+1.6	
CVTR	Volcan Turrial	6.29	121	eP	Pn	23 47 26.7	+1.5	
CVTR				eS	Sn	23 48 42.0	+6.2	
CMIG	Matias Romero	6.62	305	eP	Pn	23 47 29.6	+0.3	
CMIG				eS	Sn	23 48 43.6	+0.3	
EDDO	Dominical	6.64	127	eP	Pn	23 47 31.7	+2.1	
EDDO				eS	Sn	23 48 45.9	+1.9	
EDLM	Las Mercedes	6.84	126	eP	Pn	23 47 35.1	+2.7	
ACR	Cerro Adams	7.55	127	eP	Pn	23 47 44.1	+1.9	
MYIG	Moravia	7.59	356	eP	Pn	23 47 45.0	+2.3	
EDSV	San Vito	7.60	126	eP	Pn	23 47 45.2	+2.3	
EDSV				eS	Sn	23 49 09.4	+1.2	
PRVC	Isla de Provid	7.65	89	eP	Pn	23 47 45.9	+0.7	
ICCO	Coco Island	8.03	314	iP	Pn	23 47 49.8	+1.1	
LVIG	Laguna Verde	9.38	314	eP	Pn	23 48 08.2	+1.2	
TRIG	Tilapa	9.94	296	eP	Pn	23 48 15.6	+0.7	
BCIP	Isia Barro Col	10.10	113	eP	Pn	23 48 17.5	+0.7	
BCIP	Isia Barro Col	10.10	113	eP	Pn	23 48 16.8	-0.1	
BCIP	Isia Barro Col	10.10	113	eP	Pn	23 48 17.3	+0.5	
MTDJ	Mount Denham	12.25	65	eP	Pn	23 48 49.4	+3.0	
BBJ	Bamboo Saint A	12.55	65	iP	Pn	23 48 55.2	-3.9	
CAPC	Capurgana	12.55	111	eP	Pn	23 48 54.1	+3.7	
STH	Stony Hill	12.85	67	iP	Pn	23 48 58.9	-3.6	
GNWJ	Greenwich	12.92	67	iP	Pn	23 49 00.0	-3.3	
YHJ	Yallahs	13.07	68	iP	Pn	23 49 00.8	+3.3	
MOIG	Morelia	13.09	300	eP	Pn	23 48 59.7	+1.9	
062Z	Marathon	13.71	33	eP	Pn	23 49 08.2	+2.5	
062Z				eS	Sn	23 49 08.2	+2.5	
PAYG	Puerto Ayora	13.95	184	eP	Pn	23 49 05.7	-3.5	
MOTC	Monterica, Cord	14.05	107	eP	Pn	23 49 09.7	-0.7	
SJCC	San Jacinto, C	14.17	102	eP	Pn	23 49 13.3	+1.3	
DBBC	Dabeiba	14.26	115	eP	Pn	23 49 14.0	+0.8	
061Z	Ochoppe	14.71	31	eP	Pn	23 49 21.4	-1.7	
061Z				eP	Pn	23 49 21.4	-1.7	
059Z	Ave Maria	14.85	28	eP	Pn	23 49 22.9	-1.7	
MALC	Bahia Malaga	14.96	127	eP	Pn	23 49 28.0	+2.1	
GRGC	Isla de Gorgon	15.00	132	eP	Pn	23 49 29.4	+3.1	
CTBY	Guantanamo Bay	15.02	62	eP	Pn	23 49 29.2	0.0	
HELC	Santa Helena	15.24	116	eP	Pn	23 49 27.6	+1.5	
HELC	Santa Helena	15.24	116	eP	Pn	23 49 31.1	+1.6	

ZARC	Zaragoza, Cauc	15.27	111	eP	Pn	23 49 29.1	-0.3	
058A	Arcadia	15.31	26	eP	Pn	23 49 29.3	-0.4	
060Z	West Palm Beach	15.34	31	eP	Pn	23 49 29.5	-0.5	
TUMC	Tumaco	15.45	137	eP	Pn	23 49 45.7	+1.4	
059A	Moore Haven	15.53	28	eP	Pn	23 49 32.7	+0.6	
059A	Moore Haven	15.53	28	eP	Pn	23 49 31.8	-0.4	
957A	Wimauma	15.68	24	eP	Pn	23 49 34.8	+0.9	
957A	Wimauma	15.68	24	eP	Pn	23 49 34.0	+0.1	
ZAIG	Zacatecas	15.77	308	eP	Pn	23 49 34.4	-0.8	
958A	Wauchoa	15.80	25	eP	Pn	23 49 35.4	+0.2	
HORO	Saladito	15.84	127	eP	Pn	23 49 36.0	0.0	
060A	Indiantown	15.96	30	eP	Pn	23 49		

153A	Fort Valley	18.85	14	P	Pn	23 50 21.8	-0.1
243A	Armstrong Fami	19.87	355	P	Pn	23 50 22.5	+0.4
244A	Pea Ridge, Bel	19.88	357	P	Pn	23 50 23.0	+0.8
249A	Columbiana	19.92	7	P	Pn	23 50 23.3	+0.6
245A	Winona	19.95	359	eP	Pn	23 50 24.3	+1.3
245A	Winona	19.95	359	P	Pn	23 50 23.8	+0.8
154A	Montrose	19.99	15	eP	Pn	23 50 24.2	+0.8
154A	Montrose	19.99	15	P	Pn	23 50 23.8	+0.3
242A	Norrel Spur, H	20.00	353	P	Pn	23 50 23.8	+0.2
248A	Northport	20.01	4	P	Pn	23 50 24.0	+0.3
257A	Skidaway Islan	20.02	21	P	Pn	23 50 24.6	+0.7
WHTX	Lake Whitney	20.05	339	eP	P	23 50 22.5	+0.7
WHTX	Lake Whitney	20.05	339	P	P	23 50 22.6	+0.7
Z50A	Ashland	20.05	8	eP	Pn	23 50 24.5	+0.2
Z50A	Ashland	20.05	8	P	Pn	23 50 24.4	+0.1
Z41A	Richard Creek	20.10	351	eP	Pn	23 50 25.1	+0.3
Z41A	Richard Creek	20.10	351	P	Pn	23 50 24.4	-0.4
155A	Kite	20.17	17	P	Pn	23 50 26.0	+0.4
Z40A	Long Farm, Mag	20.19	350	P	Pn	23 50 25.7	-0.2
Z51A	Franklin	20.23	10	P	Pn	23 50 26.3	-0.1
Z52A	Williamson	20.24	12	P	Pn	23 50 26.3	-0.2
Y45A	Yeager Farm, C	20.44	359	P	Pn	23 50 29.3	+0.5
Y46A	Houston	20.46	1	P	Pn	23 50 28.9	-0.1
156A	Sylvania	20.49	19	P	Pn	23 50 29.5	+0.1
HPIG	comp=Z,79nm,1.3s	20.49	314	eP	P	23 50 28.0	+1.0
Y47A	UCPAR, Winfie	20.51	3	ePcP	PcP	23 54 36.8	+0.6
Z53A	Monticello	20.51	14	P	Pn	23 50 29.6	-0.1
Y42A	Garnett, Star	20.54	354	P	Pn	23 50 29.0	-0.7
Y43A	Makyla and Ka	20.54	356	P	Pn	23 50 29.6	-0.4
Y44A	Strider, Charl	20.55	358	P	Pn	23 50 30.0	-0.1
Y48A	Jasper	20.57	5	P	Pn	23 50 29.8	-0.5
Y49A	Blount Mountain	20.59	7	eP	Pn	23 50 30.1	-0.5
Y49A	Blount Mountain	20.59	7	P	Pn	23 50 30.0	-0.5
CCAR	Cane Creek	20.62	354	eP	Pn	23 50 31.0	+0.1
Z54A	Sparta	20.65	15	P	Pn	23 50 30.4	-0.8
GOGA	Godfrey	20.66	14	eP	Pn	23 50 30.6	-0.8
GOGA	Godfrey	20.66	14	eScP	ScP	23 58 05.2	-1.2
GOGA	Godfrey	20.66	14	eP	Pn	23 50 30.6	-0.8
GOGA	Godfrey	20.66	14	P	Pn	23 50 30.5	-0.9
Y41A	Eagletree Beard	20.68	352	P	Pn	23 50 30.6	-1.0
Y50A	Piedmont	20.71	8	P	Pn	23 50 31.1	-0.8
TXAR	Lajitas Array	20.81	322	P	P	23 50 31.4	+1.2
TXAR	comp=Z,23nm,0.4s,baz=142,slow=7.7,SNR=367	20.81	322	eP	P	23 54 37.5	+0.9
TXAR	comp=Z,7.8nm,0.8s,baz=132,slow=1.9,SNR=8.7	20.81	322	PcP	PcP	23 58 08.8	+1.8
TXAR	comp=Z,1.1nm,0.8s,baz=141,slow=5.8,SNR=5.5	20.81	322	ScP	ScP	00 00 17.5	
TXAR	comp=Z,564nm,19.5s,baz=0.0,slow=42	20.81	322	LR	LR	00 02 24.1	-0.4
TXAR	comp=Z,0.4nm,0.7s,baz=214,slow=1.4,SNR=3.9	20.81	322	PKIKP	PKIKP	23 50 30.4	+0.2
TX31	Lajitas Ar. Si	20.82	10	P	Pn	23 50 32.4	-0.9
Y51A	Rockman	20.82	10	P	Pn	23 50 32.4	-0.9
Z55A	Blythe	20.82	17	P	Pn	23 50 32.4	-0.9
Y40A	Okolone	20.91	351	P	Pn	23 50 32.7	-1.6
Y52A	Libburn	20.97	12	eP	Pn	23 50 34.0	-1.1
Y52A	Libburn	20.97	12	P	Pn	23 50 33.9	-1.1
X45A	UM Field Stati	20.99	360	P	Pn	23 50 34.0	-1.3
Y53A	Monroe	21.06	13	P	P	23 50 34.5	+1.8
OXF	Oxford	21.08	360	eP	P	23 50 35.0	+2.0
OXF	Oxford	21.08	360	eP	P	23 50 35.0	+2.0
OXF	Oxford	21.08	360	P	P	23 50 34.9	+2.0
X44A	Crenshaw	21.09	358	P	P	23 50 34.7	+1.7
X48A	Hartselle	21.11	5	eP	P	23 50 35.2	+1.9
X48A	Hartselle	21.11	5	P	P	23 50 35.2	+1.9
X47A	Russell	21.12	3	P	P	23 50 35.3	+1.9
X46A	Booneville	21.13	1	P	P	23 50 35.5	+2.0
X43A	Marvell	21.14	356	eP	P	23 50 38.2	+4.6
X43A	Marvell	21.14	356	P	P	23 50 35.7	+2.1
RGRS	Roger Stewart	21.16	21	eP	P	23 50 37.7	+4.0
X42A	Stuttgart	21.23	355	P	P	23 50 36.1	+1.5
X49A	Woodville	21.25	7	P	P	23 50 36.6	+1.9
CSU	Charleston Sou	21.27	22	eP	P	23 50 38.5	+3.5
X41A	Kaden, Bauxite	21.27	352	P	P	23 50 44.2	+9.2
X50B	Fort Pay	21.28	8	P	P	23 50 36.7	+1.6
Y54A	Tignall	21.28	15	P	P	23 50 36.7	+1.6
X40A	Basin Creek Fa	21.31	352	eP	P	23 50 36.8	+1.4
X40A	Basin Creek Fa	21.31	352	P	P	23 50 36.6	+1.2
NHSC	New Hope	21.34	21	eP	P	23 50 36.9	+1.2
NHSC	New Hope	21.34	21	P	P	23 50 38.5	+2.8
ABTX	Abilene, Hawle	21.43	335	eP	P	23 50 36.6	-0.2
ABTX	Abilene, Hawle	21.43	335	P	P	23 50 36.6	-0.2
MIAR	Mount Ida	21.48	350	eP	P	23 50 38.1	+0.9
MIAR	Mount Ida	21.48	350	eScP	ScP	23 58 08.2	-0.2
MIAR	Mount Ida	21.48	350	eP	P	23 50 38.1	+0.9
MIAR	Mount Ida	21.48	350	P	P	23 50 38.4	+1.2
X51A	Calhoun	21.50	10	eP	P	23 50 39.2	+1.8
X51A	Calhoun	21.50	10	P	P	23 50 38.9	+1.4

UALR	University of	21.53	353	eP	P	23 50 39.3	+1.5
X39A	Fountain Ranch	21.54	349	P	P	23 50 38.3	+0.4
PLAL	Pickwick Lake	21.58	3	eP	P	23 50 39.8	+1.6
W43A	Forest City	21.70	357	P	P	23 50 40.8	+1.3
W44A	Shelby Farms P	21.71	359	P	P	23 50 40.6	+0.9
W46A	Michie	21.71	2	P	P	23 50 41.2	+1.5
X52A	Dahlonega	21.72	12	P	P	23 50 41.3	+1.5
W45A	Hickory Valley	21.73	0	P	P	23 50 41.0	+1.2
HODGE	Hodges	21.74	16	eP	P	23 50 43.5	+3.5
X53A	Gastanolee	21.75	13	P	P	23 50 41.6	+1.5
W48A	Pulaski	21.80	5	P	P	23 50 42.4	+1.7
W49A	Palmer	21.85	7	P	P	23 50 42.7	+1.5
W47A	Westpoint	21.87	4	P	P	23 50 42.9	+1.6
W41B	Gary Mavity, V	21.91	353	eP	P	23 50 40.7	-1.1
W41B	Gary Mavity, V	21.91	353	P	P	23 50 42.9	+1.1
W42A	Bald Knob	21.94	355	P	P	23 50 43.4	+1.3
SWET	Sewanee	21.99	7	eP	P	23 50 43.9	+1.2
WHAR	Woolly Hollow	22.03	353	eP	P	23 50 44.0	+0.9
W40A	Ferguson Farm	22.04	352	eP	P	23 50 44.5	+1.4
W40A	Ferguson Farm	22.04	352	P	P	23 50 44.3	+1.2
W50A	Signal Mountai	22.05	9	eP	P	23 50 44.4	+0.9
W50A	Signal Mountai	22.05	9	eS	S	23 54 39.1	-3.2
JSC	Jenkinsville	22.07	18	eP	P	23 50 46.0	+2.5
JSC	Jenkinsville	22.07	18	eP	P	23 50 46.0	+2.5
W51A	Cleveland	22.10	10	P	P	23 50 45.4	+1.6
W39A	Magazine	22.15	350	eP	P	23 50 45.9	+1.5
W39A	Magazine	22.15	350	P	P	23 50 45.5	+1.1
SLBS	Sierra La Lagu	22.15	301	eP	P	23 50 49.8	+5.2
HBAR	Harrisburg	22.16	357	eP	P	23 50 46.9	+2.4
W52A	Murphy	22.18	12	P	P	23 50 45.6	+0.8
BG3	Lake Jocassee	22.30	14	eP	P	23 50 48.2	+2.2
V45A	Humboldt	22.31	1	P	P	23 50 46.9	+0.8
V43A	Jonesboro	22.38	357	P	P	23 50 48.0	+1.1
V46A	Holladay	22.39	2	P	P	23 50 47.3	+0.3
V44A	Blytheville	22.40	359	P	P	23 50 48.5	+1.4
V48A	Smith Brothers	22.41	5	eP	P	23 50 48.2	+1.0
V48A	Smith Brothers	22.41	5	P	P	23 50 48.2	+1.0
PAUL	Pauline	22.42	16	eP	P	23 50 49.6	+2.4
W53A	Cullowhee	22.42	13	P	P	23 50 48.7	+1.3
CPCT	Cooper Cave	22.42	10	eP	P	23 50 48.6	+1.3
V47A	Nunnally	22.45	4	P	P	23 50 48.3	+0.8
V42A	Cord	22.46	355	P	P	23 50 48.3	+0.6
V41A	Mountainview	22.51	354	P	P	23 50 48.8	+0.6
V49A	McMinnville	22.53	7	P	P	23 50 49.1	+0.6
GNAR	Gosnell	22.54	358	eP	P	23 50 50.7	+2.1
V50A	Pikeville	22.55	9	P	P	23 50 49.4	+0.8
V40A	Whites Springs	22.61	352	eP	P	23 50 49.7	+0.4
V40A	Whites Springs	22.61	352	P	P	23 50 50.0	+0.7
LPIG	La Paz	22.63	301	P	P	23 50 52.4	+2.8
LPIG	comp=Z,23nm,0.5s,baz=40,slow=5.6,SNR=5.3	22.63	301	LR	LR	23 59 06.1	
SJG	San Juan	22.70	75	eP	P	23 50 50.9	+0.4
SJG	San Juan	22.70	75	P	P	23 54 37.0	-3.4
SJG	San Juan	22.70	75	eS	S	23 50 49.6	-0.9
SJG	San Juan	22.70	75	P	P	23 50 48.9	-1.5
WVT	Waverly	22.73	3	eP	P	23 50 50.7	+0.1
WVT	Waverly	22.73	3	eP	P	23 50 50.7	+0.1
WVT	Waverly	22.73	3	P	P	23 50 50.7	+0.1
V39A	Pettigrew	22.76	351	P	P	23 50 51.3	+0.4
TKL	Tuckaleechee C	22.76	12	P	P	23 50 52.0	+1.1
TKL	Tuckaleechee C	22.76	12	P	P	23 50 52.0	+1.1
TKL	Tuckaleechee C	22.76	12	P	P	23 50 52.0	+1.1
TKL	Tuckaleechee C	22.76	12	P	P	23 50 52.0	+1.1
V51A	Loudon	22.80	10	eP	P	23 50 52.2	+0.9
V51A	Loudon	22.80	10	P	P	23 50 52.1	+0.9
GLAT	Glass	22.84	360	eP	P	23 50 53.7	+2.1
KMSC	Kings Mountain	22.85	17	eP	P	23 50 53.2	+1.3
KMSC	Kings Mountain	22.85	17	P	P	23 50 52.9	+1.1
U44B	Burton Farm, H	22.91	360	P	P	23 50 53.1	+0.8
UTMT	University of	22.91	1	eP	P	23 50 53.9	+1.5
UTMT	University of	22.91	1	eP	P	23 51 11.5	+3.6
U46A	Rockin P Farm,	22.92	1	P	P	23 50 53.1	+0.7
U46A	Springville	22.94	2	P	P	23 50 53.0	+0.2
U43A	Rector	22.96	358	P	P	23 50 53.6	+0.7
V52A	Sevierville	22.97	12	eP	P	23 50 53.8	+0.7
V52A	Sevierville	22.97	12	P	P	23 50 53.8	+0.7
V53A	Saluda	22.98	13	P	P	23 50 54.1	+1.0
V53A	Saluda	22.98	13	P	P	23 50 54.2	+1.0
U42A	Revsdale	22.99	356	P	P	23 50 53.6	+0.4
HUMP	Col San Antoni	22.99	75	eP	P	23 50 53.0	-0.4
HUMP	Wichita Mounta	23.00	340	ePcP	PcP	23 54 40.8	-0.2
HUMP	Wichita Mounta	23.00	340	eP	P	23 50 52.0	-1.4
WMOK	Wichita Mounta	23.00	340	eScP	ScP	23 58 12.1	-0.2
WMOK	Wichita Mounta	23.00	340	eP	P	23 50 52.0	-1.4

WMOK	Wichita Mounta
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WCI	Wyandotte Cave	24.93	5	P	P	23 51 10.9 +0.1
R41A	Rosebud	24.93	356	P	P	23 51 11.3 +0.3
R47A	Wooly Knot Far	24.97	5	P	P	23 51 11.1 -0.2
R40A	Maddies Statio	25.00	354	eP	P	23 51 11.7 +0.1
R40A	Maddies Statio	25.00	354	P	P	23 51 11.6 +0.1
BLA	Blacksburg	25.04	17	eP	P	23 51 13.5 +1.4
BLA	Blacksburg	25.04	17	eP	P	23 51 13.5 +1.4
BLA	Blacksburg	25.04	17	eP	P	23 51 12.8 +0.7
R38A	Ferwick Farm,	25.10	351	P	P	23 51 12.5 0.0
R39A	Chumby, Stover	25.11	353	P	P	23 51 12.5 0.0
R49A	Shelbyville	25.11	8	P	P	23 51 12.2 -0.4
R48A	Northridge Ran	25.14	6	P	P	23 51 12.4 -0.4
SLM	Saint Louis	25.21	358	eP	P	23 51 13.9 +0.4
SLM	Saint Louis	25.21	358	eP	P	23 51 13.9 +0.4
R50A	Paris	25.22	9	P	P	23 51 13.7 +0.1
OLIL	Olney	25.32	2	eP	P	23 51 15.4 +1.0
R51A	Hillsboro	25.36	10	P	P	23 51 15.1 +0.3
Q44A	Meyer Farm, Va	25.46	0	P	P	23 51 16.1 +0.3
Q45A	Warren Harvey,	25.47	2	P	P	23 51 16.2 +0.3
Q42A	Golden Eagle	25.50	358	P	P	23 51 16.5 +0.4
HSIG	New Douglas	25.50	311	eP	P	23 51 17.0 +0.8
Q43A	Paris	25.50	359	P	P	23 51 16.4 +0.3
121A	Cookes Peak,	25.56	321	P	P	23 51 18.4 +1.4
R52A	Cattlettsburg	25.58	12	P	P	23 51 16.5 -0.3
Q41A	Truxton	25.58	356	P	P	23 51 17.3 +0.5
SRIG	Santa Rosalia	25.62	306	eP	P	23 51 19.4 +2.1
Q47A	Bedford North	25.62	5	P	P	23 51 17.1 -0.1
Q46A	CEJHS Indians,	25.64	3	P	P	23 51 17.3 0.0
Q48A	North Vernon	25.68	6	P	P	23 51 17.2 -0.5
Q40A	Laux Farm, Aux	25.68	355	P	P	23 51 17.6 -0.1
319A	Douglas	25.73	318	eP	P	23 51 19.0 +0.5
Q38A	Cooks Store, 1	25.82	352	P	P	23 51 19.1 +0.1
Q39A	Willow Grove F	25.82	353	P	P	23 51 18.9 -0.1
Q50A	Georgetown	25.83	9	P	P	23 51 18.6 -0.4
BLO	Bloomington	25.84	5	eP	P	23 51 19.7 +0.5
BLO	Bloomington	25.84	5	eP	P	23 51 19.7 +0.5
Q49A	Aurora	25.85	8	P	P	23 51 19.2 -0.1
Q37A	Longview Farm,	25.86	351	P	P	23 51 19.1 -0.2
P48A	Sand Creek, Wi	26.03	1	P	P	23 51 20.9 0.0
BNM	Barren Site	26.06	326	eP	P	23 51 22.3 +0.8
Q51A	Peebles	26.11	10	P	P	23 51 21.9 +0.3
P45A	Graceland, Par	26.12	3	eP	P	23 51 22.4 +0.8
P45A	Graceland, Par	26.12	3	eP	P	23 51 21.8 +0.1
P42A	Winchester	26.16	358	eP	P	23 51 22.4 +0.2
P42A	Winchester	26.16	358	eP	P	23 51 22.3 +0.2
P47A	Martinsville	26.18	5	P	P	23 51 21.4 -0.8
P43A	Skaggs, Pawnee	26.20	359	P	P	23 51 22.7 +0.2
P40A	Paris	26.21	355	eP	P	23 51 22.5 0.0
P40A	Paris	26.21	355	eP	P	23 51 22.5 0.0
P39B	Salisbury	26.23	354	P	P	23 51 22.4 -0.3
P48A	Milroy	26.24	7	P	P	23 51 22.1 -0.7
P46A	Rosedale	26.24	4	P	P	23 51 22.8 0.0
LENM	Lemitar	26.26	325	eP	P	23 51 24.1 +0.8
JSRW	J. Sargeant Re	26.28	21	eP	P	23 51 23.9 +0.7
P41A	Barry, B	26.29	357	P	P	23 51 23.1 -0.1
P49A	Miami Univ. Ec	26.40	8	P	P	23 51 23.4 -0.8
P38A	Dawn	26.46	353	eP	P	23 51 25.1 +0.4
P38A	Dawn	26.46	353	eP	P	23 51 24.6 -0.2
LAZ	Ladron	26.53	325	eP	P	23 51 26.8 +1.1
P37A	Lathrop	26.54	351	eP	P	23 51 25.2 -0.2
ANMO	Albuquerque	26.57	327	P	P	23 51 26.7 +0.6
ANMO	Albuquerque	26.57	327	P	P	23 54 49.8 +0.9
ANMO	Albuquerque	26.57	327	P	P	23 51 27.1 +1.1
ANMO	Albuquerque	26.57	327	P	P	23 54 49.0 +0.2
ANMO	Albuquerque	26.57	327	P	P	23 51 27.1 +1.1
ANMO	Albuquerque	26.57	327	P	P	23 54 49.1
ANMO	Albuquerque	26.57	327	P	P	23 51 26.6 +0.5
TASL	Snake Pit, Alb	26.57	327	P	P	23 51 26.4 +0.3
TASM	ASL Pad, Albuq	26.57	327	P	P	23 51 26.4 +0.3
P50A	Jamesstown	26.60	9	P	P	23 51 25.4 -0.6
CVRD	Centerville Ro	26.64	20	eP	P	23 51 27.7 +1.3
Q41A	Passleys Farm,	26.71	357	P	P	23 51 26.8 -0.3
Q44A	Mansfield	26.72	1	P	P	23 51 27.1 0.0
PTRD	Partlow Road	26.75	21	eP	P	23 51 28.9 +1.5
Q42A	Bath	26.77	359	P	P	23 51 27.1 -0.4
Q40A	La Belle	26.78	355	P	P	23 51 27.7 0.0
Q45A	Potomac	26.84	3	P	P	23 51 28.1 -0.1
Q43A	Sugar Creek Fa	26.84	360	P	P	23 51 28.2 -0.1
CBN	Corbin Frederi	26.91	21	eP	P	23 51 30.4 +1.6
CBN	Corbin Frederi	26.91	21	eP	P	23 51 29.6 +0.7
Q47A	Sheridan	26.93	5	P	P	23 51 28.2 -0.8
Q38A	Galt	26.94	353	P	P	23 51 28.7 -0.4
Q39A	Kirksville	26.97	354	P	P	23 51 29.2 -0.1

SFIN	Lafayette	27.00	4	eP	P	23 51 29.2 -0.4
SFIN	Lafayette	27.00	4	P	P	23 51 29.2 -0.4
CBKS	Cedar Bluff	27.03	342	eP	P	23 51 30.5 +0.5
CBKS	Cedar Bluff	27.03	342	eP	P	23 51 30.5 +0.5
CBKS	Cedar Bluff	27.03	342	P	P	23 51 29.8 -0.2
O48A	Farmland	27.05	7	P	P	23 51 29.3 -0.8
O37A	Wolven Farm, M	27.07	352	P	P	23 51 30.0 -0.3
O49A	Covington	27.09	8	P	P	23 51 29.8 -0.7
HDIL	Hopedale	27.11	360	eP	P	23 51 31.3 +0.7
HDIL	Hopedale	27.11	360	eP	P	23 54 49.7 -0.1
HDIL	Hopedale	27.11	360	eP	P	23 58 23.1 -0.7
HDIL	Hopedale	27.11	360	eP	P	23 51 30.6 0.0
O50A	Cable	27.16	9	P	P	23 51 30.7 -0.4
N41A	Harden Midland	27.30	357	eP	P	23 51 32.3 0.0
N41A	Harden Midland	27.30	357	P	P	23 51 32.3 0.0
TUC	Tucson	27.32	317	eP	P	23 51 34.4 +1.8
TUC	Tucson	27.32	317	eP	P	23 54 50.5 -0.1
TUC	Tucson	27.32	317	eP	P	23 51 34.4 +1.8
TUC	Tucson	27.32	317	eP	P	23 54 50.5
TUC	Tucson	27.32	317	P	P	23 51 33.6 +1.0
T25A	Trinidad	27.32	333	eP	P	23 51 33.9 +1.1
T25A	Trinidad	27.32	333	P	P	23 51 33.9 +1.1
N44A	Piper City	27.37	2	P	P	23 51 32.6 -0.3
N42A	Fates City	27.40	359	P	P	23 51 33.1 -0.1
N45A	Kentland	27.45	3	P	P	23 51 32.8 -0.8
MCWV	Mont Chateau	27.49	16	eP	P	23 51 35.0 +1.0
MCWV	Mont Chateau	27.49	16	eP	P	23 51 34.3 +0.3
N43A	Stutzman Famil	27.50	0	P	P	23 51 34.1 +0.1
N40A	Mertquake, Sal	27.52	356	P	P	23 51 34.2 -0.1
N46A	Monticello	27.54	4	P	P	23 51 33.8 -0.7
N38A	Joos South For	27.58	353	P	P	23 51 34.7 -0.1
N39A	Derby Farms, D	27.59	355	eP	P	23 51 34.9 0.0
N39A	Derby Farms, D	27.59	355	eP	P	23 51 34.6 -0.2
N37A	Lee Faris, Mou	27.66	352	P	P	23 51 35.5 0.0
N36A	Muff Farm, Cla	27.83	351	P	P	23 51 36.8 -0.3
N50A	Nevada	27.84	10	P	P	23 51 36.7 -0.4
M41A	Milan	27.96	358	P	P	23 51 38.0 -0.1
M44A	Midewin, Midew	27.96	2	eP	P	23 51 37.2 -1.0
M44A	Midewin, Midew	27.96	2	eP	P	23 51 57.0 +1.4
M44A	Midewin, Midew	27.96	2	eP	P	23 51 37.4 -0.8
M43A	Waltham Townsh	28.00	0	P	P	23 51 34.8 -0.1
NNA	Nana	28.00	153	LR	LR	00 02 21.5
M45A	Boilermakers S	28.00	3	P	P	23 51 37.8 -0.7
M42A	Sheffield	28.02	359	P	P	23 51 38.3 -0.3
M40A	Post Highland	28.04	356	P	P	23 51 38.8 0.0
M46A	Old House Field	28.08	5	P	P	23 51 38.0 -1.2
M39A	Webster	28.15	355	P	P	23 51 39.9 0.0
SDMD	Soldier's Deli	28.18	21	eP	P	23 51 41.0 +0.8
KSCO	Keye Shedlock	28.19	338	eP	P	23 51 41.3 +0.8
KSCO	Keye Shedlock	28.19	338	eP	P	23 51 40.7 +0.3
M38A	Pleasantville	28.19	354	P	P	23 51 39.7 -0.6
X18A	Snowflake	28.24	322	eP	P	23 51 43.6 +2.6
M37A	Trindle Farm,	28.28	352	P	P	23 51 40.9 -0.1
SDCO	Great Sand Dun	28.31	332	eP	P	23 51 42.5 +0.7
SDCO	Great Sand Dun	28.31	332	eP	P	23 54 54.0 +0.9
SDCO	Great Sand Dun	28.31	332	eP	P	23 52 29.6 +1.8
SDCO	Great Sand Dun	28.31	332	eP	P	23 51 42.4 +0.7
M48A	Edgerton	28.32	7	P	P	23 51 40.5 -0.8
M49A	Liberty Center	28.40	8	P	P	23 51 41.0 -1.1
O56A	Blue Knob Stat	28.41	17	P	P	23 51 43.5 +1.1
M36A	Fell, Anita	28.43	351	P	P	23 51 41.9 -0.5
214A	Organ Pipe Nat	28.48	314	P	P	23 51 44.1 +1.1
M18A	Fremont	28.48	10	P	P	23 51 42.4 -0.4
W18A	Petrified Fore	28.52	323	eP	P	23 51 43.8 +0.3
W18A	Petrified Fore	28.52	323	eP	P	23 51 44.8 +1.3
L42A	Oliver, Polo	28.56	359	eP	P	23 51 43.5 -0.1
L42A	Oliver, Polo	28.56	359	eP	P	23 51 43.3 -0.3
L41A	Preston	28.65	358	P	P	23 51 44.2 -0.2
L40A	Anamosa	28.67	357	eP	P	23 51 44.6 +0.1
L40A	Anamosa	28.67	357	eP	P	23 51 44.5 0.0
SCIA	State Center	28.68	354	eP	P	23 51 45.0 +0.5
SCIA	State Center	28.68	354	eP	P	23 58 30.0 +1.4
SCIA	State Center	28.68	354	eP	P	23 51 44.3 -0.3
N54A	Moraine State	28.68	15	eP	P	23 51 45.0 +0.3
N54A	Moraine State	28.68	15	eP	P	23 51 44.8 +0.2
L43A	Garden Prairie	28.74	1	P	P	23 51 44.7 -0.4
L47A	Sherwood	28.75	6	P	P	23 51 44.1 -1.1
L44A	Lake County Fo	28.76	2	P	P	23 51 44.3 -1.0
L39A	Vinton	28.78	356	P	P	23 51 45.2 -0.2
L48A	N Adams	28.80	7	P	P	23 51 44.2 -1.4
MVL	Millersville	28.87	21	eP	P	23 51 47.6 +1.4
MVL	Millersville	28.87	21	eP	P	23 52 04.8 +1.0
L38A	Oak Wood Farm,	28.88	354	P	P	23 51 46.1 -0.2
S22A	4UR Ranch, Cre	28.93	330	eP	P	23 51 48.1 +0.9
S22A	4UR Ranch, Cre	28.93	330	eP	P	23 51 48.2 +0.9
L37A	Phoenix Point,	28.95	353	P	P	23 51 46.4 -0.6
PAGS	Pennsylvania G	28.95	20	eP	P	23 51 47.5 +0.6
SSPA	Standing Stone	28.95	18	eP	P	23 51 46.7 -0.4

SSPA	Standing Stone	28.95	18	eScP	ScP	23 58 29.0 -0.4
SSPA	Standing Stone	28.95	18	eScP	ScP	23 51 47.2 +0.2
BGNE	Belgrade	29.03	346	eP	P	23 51 48.6 +0.9
BGNE	Belgrade	29.03	346	eP	P	23 51 47.9 +0.1
L36A	Harm Buss Farm	29.05	352	P	P	23 51 47.2 -0.6
L49A	Milan	29.06	8	P	P	23 51 47.3 -0.6
X16A	Lo Mia Camp, P	29.08	320	eP	P	23 51 49.7 +1.2
PSUB	Penn St - Brn	29.13	22	eP	P	23 51 49.6 +1.1
PSUB	Divide	29.16	334	eP	P	23 52 07.0 +1.0
Q24A	Divide	29.16	334	eP		

PV21	baz=179,SNR=29	30.63 329	eP	P	23 52 03.4 +1.2	MSU	baz=180,SNR=15	32.30 325	eP	P	23 52 18.5 +1.7	SNCC	San Nicolas Is	33.97 311	P	P	23 52 32.7 +1.5
PAL	Cone Mtn., Par	30.65 23	eP	P	23 52 01.9 -0.1	MSU	Marysville	32.30 325	eP	P	23 52 04.5 +1.1	MPMC	Manual Prospec	34.00 317	P	P	23 52 32.7 +1.0
PAL	Palisades	30.65 23	eP	P	23 52 19.6 +0.1	MSU	Marysville	32.30 325	eP	P	23 52 18.5 +1.7	SAML	Samuel	34.04 129	eP	P	23 52 30.8 -1.2
PAL	Palisades	30.65 23	eP	P	23 52 01.9 -0.1	RWWY	Rawlins	32.30 324	eP	P	23 52 17.8 +1.0	SAML	Samuel	34.04 129	eP	P	23 52 46.7 -2.9
PAL	Palisades	30.65 23	eP	P	23 52 02.0 0.0	CCUT	Cedar City	32.32 323	eP	P	23 52 19.0 +2.0	SAML	Samuel	34.04 129	eP	P	23 52 09.0 +0.5
PV09	Paradox Valley	30.66 328	eP	P	23 52 03.8 +1.3	F42A	Maple Grove Fa	32.33 1	P	P	23 52 15.6 -1.1	SAML	Samuel	34.04 129	eP	P	23 52 30.8 -1.2
I38A	Scanlan Farm	30.71 356	P	P	23 52 02.2 -0.4	TMUT	Trail Mountain	32.33 327	eP	P	23 52 18.6 +1.3	SAML	Samuel	34.04 129	eP	P	23 55 09.0
PDMC1	Parker Dam,Lak	30.75 317	P	P	23 52 03.9 +0.8	QUA2	Belchertown	32.34 24	eP	P	23 52 17.5 +0.7	BLG	Capuna Peak,P	34.06 312	P	P	23 52 33.4 +1.4
I37A	Lemond,Waseca	30.78 354	eP	P	23 52 02.4 -0.7	QUA2	Belchertown	32.34 24	eP	P	23 52 15.6 +1.3	OSI	Ost Audit: C	34.07 314	P	P	23 52 32.9 +0.7
I37A	Lemond,Waseca	30.78 354	eP	P	23 52 02.8 -0.4	F45A	CMU Biological	32.39 5	eP	P	23 52 16.2 -1.1	FRNY	Flat Rock	34.11 20	eP	P	23 52 32.3 +0.1
I36A	Fitzsimmons Fa	30.85 353	P	P	23 52 03.1 -0.6	F37A	Hinrichs Farm,	32.41 356	P	P	23 52 17.0 -0.4	R11A	Troy Canyon, C	34.17 322	eP	P	23 52 34.3 +1.2
MMNY	Mt. Morris Dam	30.88 16	eP	P	23 52 04.5 +0.5	F43A	Flat Rock, Esc	32.43 3	P	P	23 52 16.5 -1.1	R11A	Troy Canyon, C	34.17 322	eP	P	23 52 34.2 +1.2
U15A	North Rim	30.93 322	eP	P	23 52 06.3 +1.3	M65A	Busby, Falmout	32.45 26	P	P	23 52 18.0 +0.3	PD31	Pinedale Array	34.19 333	eP	P	23 52 33.5 +0.3
ECSD	EROS Data Cent	30.95 350	eP	P	23 52 04.0 -0.7	MURC	Murrieta	32.46 313	P	P	23 52 19.5 +1.4	PDAR	Pinedale Array	34.19 333	eP	P	23 52 33.5 +0.3
ECSD	EROS Data Cent	30.95 350	eP	P	23 52 03.9 -0.7	F40A	Park Falls	32.48 359	P	P	23 52 17.7 -0.4	PDAR	Pinedale Array	34.19 333	eP	P	23 55 06.7 -2.1
ECSD	EROS Data Cent	30.95 350	eP	P	23 52 03.9 -0.7	SADO	Sadova	32.49 13	eP	P	23 52 16.7 -1.4	PDAR	Pinedale Array	34.19 333	eP	P	23 58 50.4 +3.1
BINY	Binghamton	30.97 19	eP	P	23 52 05.5 +0.7	SADO	Sadova	32.49 13	eP	P	23 58 41.1 +0.1	PDAR	Pinedale Array	34.19 333	eP	P	00 02 31.8 -0.7
BINY	Binghamton	30.97 19	eP	P	23 52 05.1 +0.2	SADO	Sadova	32.49 13	eP	P	00 06 06.0	PDAR	Pinedale Array	34.19 333	eP	P	00 09 21.9
H43A	Windswept, Lux	31.05 2	eP	P	23 52 06.8 +1.3	SADO	Sadova	32.49 13	eP	P	23 52 17.6 -0.5	PDAR	Pinedale Array	34.19 333	eP	P	23 52 32.3 -1.0
H43A	Windswept, Lux	31.05 2	eP	P	23 52 04.7 -0.8	F39A	Loretta	32.50 358	P	P	23 58 41.1 +0.1	PDAR	Pinedale Array	34.19 333	eP	P	23 55 08.2 -0.5
W13A	Hualapai Mount	31.07 318	eP	P	23 52 07.8 +1.8	HEC	Hector,Ludlow	32.53 316	P	P	23 52 17.6 -0.7	PDAR	Pinedale Array	34.19 333	eP	P	23 58 50.4 +3.1
H42A	Shiocton	31.07 1	P	P	23 52 05.2 -0.5	F46A	Macinaw City C	32.55 6	P	P	23 52 20.2 +1.4	PDAR	Pinedale Array	34.19 333	eP	P	00 02 31.8 -0.7
N23A	Red Feather La	31.11 335	eP	P	23 52 07.5 +1.1	F38A	Pierce - Schro	32.59 357	P	P	23 52 17.5 -1.2	PDAR	Pinedale Array	34.19 333	eP	P	23 52 32.7 -0.5
N23A	Red Feather La	31.11 335	eP	P	23 52 06.9 +0.5	TUQ	Turquoise Moun	32.60 317	P	P	23 52 18.4 -0.6	DAC	Darwin (Calif)	34.20 317	eP	P	23 55 09.4 +0.6
SWSC	Sam W. Stewart	31.12 313	P	P	23 52 07.2 +0.9	F44A	Big Bay de Noc	32.62 4	P	P	23 52 18.3 -0.9	DAC	Darwin (Calif)	34.20 317	eP	P	23 58 49.2 +1.7
H41A	Junction City	31.18 359	eP	P	23 52 06.4 -0.2	BBRC	Big Bear Solar	32.62 314	P	P	23 52 21.2 +1.4	DAC	Darwin (Calif)	34.20 317	eP	P	23 52 33.6 +0.2
H41A	Junction City	31.18 359	eP	P	23 52 06.4 -0.2	COWI	Cowover	32.66 0	eP	P	23 52 19.2 -0.4	DAC	Darwin (Calif)	34.20 317	eP	P	23 55 09.4
H41A	Junction City	31.18 359	eP	P	23 52 08.8 +1.5	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 34.5 +0.9
IKP	Ir-Ko-Pan Jac	31.19 313	P	P	23 52 08.4 +1.4	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 55 07.9 -0.9
H40A	Chili	31.19 358	P	P	23 52 05.6 -0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 58 47.5 +0.1
PHWY	Pilot Hill	31.26 336	eP	P	23 52 08.3 +0.6	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 32.8 -1.3
BC3	Big Chuckawall	31.27 315	P	P	23 55 01.5 +0.8	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.5 +1.5
H39A	Augusta	31.29 357	P	P	23 52 07.2 -0.4	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.3 +1.2
H37A	Dierke Farm, C	31.30 355	P	P	23 52 07.7 0.0	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.6 +1.1
H38A	Maiden Rock	31.34 356	P	P	23 52 07.8 -0.2	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 37.5 +2.0
IRM	Iron Mountain	31.34 316	P	P	23 52 09.6 +1.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 55 11.0 +1.6
NEE2	Needles Airpor	31.35 317	P	P	23 52 09.5 +1.2	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 37.0 +2.0
H36A	Jessenland, He	31.39 354	P	P	23 52 08.6 0.0	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 55 11.0
O20A	White River Ci	31.50 331	eP	P	23 52 11.3 +1.6	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.8 +1.3
O20A	White River Ci	31.50 331	eP	P	23 52 10.7 +0.9	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 37.0 +1.5
MONP2	Monument Peak	31.54 313	P	P	23 52 11.6 +1.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 35.1 -0.2
BAR	Barrett	31.61 312	eP	P	23 52 12.4 +1.8	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 34.6 -0.7
BAR	Sunnyside Ranc	31.62 352	eP	P	23 52 02.9 +0.7	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.7 +1.1
GLMI	Graying	31.63 6	P	P	23 52 09.5 -1.1	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 35.3 -0.8
PKCU	Pink Cliffs	31.63 323	eP	P	23 52 13.3 +2.2	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 35.3 -0.8
G41A	Antigo	31.77 0	P	P	23 52 11.1 -0.7	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 38.6 +1.3
G38A	Ridgeland	31.80 356	P	P	23 52 11.6 -0.6	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 36.2 -1.5
G42A	Mountain	31.80 1	eP	P	23 52 11.9 -0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 55 10.0 -0.7
G42A	Mountain	31.80 1	eP	P	23 52 11.5 -0.7	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 58 49.9 +0.1
G40A	Rib Lake	31.84 359	eP	P	23 52 12.1 -0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
G40A	Rib Lake	31.84 359	eP	P	23 52 12.1 -0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
SRU	San Rafael Swe	31.84 328	eP	P	23 52 14.1 +1.4	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
SRU	San Rafael Swe	31.84 328	eP	P	23 52 14.1 +1.4	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
BELO	Belle Hill Jos	31.84 315	P	P	23 52 13.6 +0.8	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
G43A	Wallace	31.84 2	eP	P	23 52 12.7 +0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
G43A	Wallace	31.84 2	eP	P	23 52 11.8 -0.7	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
LDFC	Landfar	31.86 317	eP	P	23 52 16.5 +3.6	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
G39A	Holcombe	31.89 357	P	P	23 52 12.5 -0.3	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
LCMT	Little Creek M	31.89 322	eP	P	23 52 14.4 +1.2	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
SPMN	Marine on St.	31.93 355	eP	P	23 52 12.8 -0.4	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5
SPMN	Marine on St.	31.93 355	eP	P	23 52 12.7 -0.5	SHPR	Sheep Range	32.75 319	eP	P	23 52 22.3 +1.6	HWUT	Hardware Ranch	34.23 330	eP	P	23 52 40.4 +0.5</

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CAST Castle Rocks, VMT TAPS TI Valdez, HUR Hurricane, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IDC 16:01:06:33.6, 1.6, 16:00N-120:21E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKS Akhisar, PRK Paraskivi, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TWH Lutao, NMLK Miaoli, TNLW Hsinying, TWK baz=245, CHN1 Nanshi, RLNB Erin, SGST Jiashian, SGLT Liugui, EGS baz=3.0, TATO Taipei, TWA Mucha, TIPB Shuangxi, SSD Sandimen, NWF Wu-fen Shan, WFSB Wu-fen Shan, MASBT Mashbuluo, YM10 YM10, YM11 YM11, YM07 YM07, YM03 YM03, SCZ7 Fangliu, WDG7 Dunglei, PHUB Peng-hu, PHUB Peng-hu, PNG Penghu.

ISCJB 16 02:11:53.5,0.4,42.64N,0.01:22.95E,0.02,h10km,2km, Error ellipse: s-maj=2.5km s-min=2.1km az=15.8 SOF 16 02:11:54.4,42.57N,23.06E,h10km,MD3.0 BEO 16 02:11:55.0,0.4,42.63N,22.94E,h18km,2km,ML2/9/17 THE 16 02:11:55.4,42.61N,23.04E,h8km,1km,ML2.8/3, Error ellipse: s-maj=2.3km s-min=0.5km az=16.0

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VTS Vitosh, ZAPS Zavoj, KKB Krupnik, BARS Barje, PGB Panagyurishte, MMUB Musomiste, SKO Skopje, SKO Skopje, SKO Skopje, VAY Valandovo, VAY Valandovo, VAY Valandovo, BOVS Bovan, NVR Nevrokopi, NVR Selova, SELS Selva, RZN Rozhen, GRG Griva, KRUS Krusevo, SOH Sokhos, CRAR CRAIOVA, CRAR CRAIOVA, PVL Pavlikeni, THE Thessaloniki, BIA Bitola, HORT Hortiatis, KUBS Kucevo, SRE Strehaia, SRE Strehaia, DJES Djerdap, GRUS Gruza, GRUS Svilajnac, FNA Florina, OHR Ohrid, IVAS Ivanjica, SJES Sjenica, SJES Sjenica, HERR Herculanee, HERR Herculanee, MDRV Moldovita, MDRV Moldovita, THAS Thassos island, OUR Ouranopolis, RDO Rodhopi, HUMR Humele, HUMR Humele, KZR Kozani, TRUS Trudelj, TRUS Litokhoron, DIVS Divibare, DIVS Divibare, SGRR Singureni, SGRR Singureni, PAIG Pailouri, PDG Podgorica, PDG Podgorica, PDG Podgorica, DRME Dracevica, Mon BBLB Lazik#263, BBLB Lazik#263, JMT Lotru, LOT Lotru, JMT Lotru, ARR Arges, ARR Arges, UPM Unac-Piva, SULL Buzias, BZS Buzias, BZS Buzias, TEKS Tekeris, TEKS Tekeris, VOIR Vorichi, VOIR Bratogost, XOR Xorichi, XOR Bratogost, DEV Deva.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like HAPS Han Pijesak, HCY Herceg Novi, TREB Trebinje, MLR Muntele Rosu, MLR Muntele Rosu, ISR Istra, DOPR Dopca, DOPR Dopca, OZUR Ozur, HARR Harsova, TLO Topala, PLOP Plostina, PRK Paraskevi, DRGR Draga, VRI Vrocia, VRI Vrocia, TIRR Tirgoaia, BLY Banja Luka, BLY Banja Luka, BLY Banja Luka, TBSR Tescani, TBSR Tescani, BIZ Bicaz, TLCR Tescani, MATE Matera, MATE Matera, BURAR Bucovina Array.

IDC 16 02:29:37.4,1.0,29.82N,51.23E,h0km,mb3.9/13, mb1.3/9.16,mb1mx3.7/62,mbtmp3.8/16,ML3,3/3,MS3,2/2, Ms1.3/2.2,ms1mx2.4/67, Error ellipse: s-maj=22.2km s-min=17.5km az=18.0

ISCJB 16 02:29:39.0,0.6,29.70N,0.06:51.21E,0.05,h22km, mb3.9/15,MS3.8/1, Error ellipse: s-maj=8.5km s-min=6.2km az=18.9

TEH 16 02:29:39.5,29.89N,51.26E,h9km,ML3.3 ISC 16 02:29:40.6,0.6,29.74N,0.07:51.27E,0.05,h22km,n43, r132/43,mb3.9/15,Southern Iran

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like IKAZ Kazeroun, SHI Shiraz, SHI Shiraz, IPAR Pars, IPAR Ghir-Karzin, IRAM Rameshgh, IRAM Rameshgh, ZNGM Zangian, ROKH ROKH, ROKH Gharneh, IGAR IGAR, ISAD Sadrabad, IZEF Zefreh, IMEH Mehri, IMEH Mehri, NASN Na'in, IKLH Kolahrood, IKLH Yazd, KHMZ Khomeyn, HSAM Samen, TNSJ Nashtaj, TNSJ Shahmirzad, ISHM Shahmirzad, SN3G Saadq, TABS Tabas, IGLO Ghaloghal, WSAR Wadi Sarin, WSAR Wadi Sarin, GEYT Alibek, ASAF Jabal al Asfar, MMAI Mount Meron Arr, KVAR Kislovodsk Arr, BRTR Keskin Arr B, MLR Muntele Rosu, AKAS Malin Arry Be, BVAR Borovye Arry, KURBB Kurchatov Arr, MKAR Makanchi Arr, ZALV Zalesovo Beam, FINES FINESS Arry B, DAVOX Davos/Dischmat, DAVA Damuels, HFA Hagefors, NORA NORRAR Arry B, OPO Amboldratempo, TORD Torodi Arr, SPITS Spitsbergen Arr, WRA Warramunga Arr, ASAR Alice Springs, JMA 16 02:32:43.7,0.2,37.07N,144.28E,h46km, M3.6, Off east coast of Honshu.

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TIAR Tiaré, I24FR Taravao, PPTF Pamatai, PPTF Papeete, PPT Papeete, PPT2 Papeete2, PPT2 Papeete2, PAE Paea, PAE Paea, VAH Vaihoo, VAH Vaihoo, PMOR Pomario Ree, PMOR Pomario Ree, TBI Tui, TBI Tui, TBI Tui, RAR Rarotonga, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, RKT Rikitea, RKT Rikitea, AFI Afiamalu, AFI Afiamalu, RAO Raoul Island, RAO Raoul Island, URZ Urewera, URZ Urewera, HUH Hualalai, HUH Hualalai, RPN Rapa Nui, RPN Rapa Nui, DZM Mont Dzumac, DZM Mont Dzumac, RPZ Rata Peka, RPZ Rata Peka, LBZ Lake Benmore, LBZ Lake Benmore, WHZ Whet Hill Ro, WHZ Whet Hill Ro, HNR Honiara, HNR Honiara, LPIG La Paz, LPIG La Paz, H11S WAKE ISLAND Hy 56.28 307 T, H11S WAKE ISLAND Hy 56.28 307 T, H11S1 WAKE ISLAND Hy 56.30 307 T, H11S1 WAKE ISLAND Hy 56.30 307 T, H11S3 WAKE ISLAND Hy 56.30 307 T, H11S3 WAKE ISLAND Hy 56.30 307 T, H11N3 WAKE ISLAND Hy 56.87 309 T, H11N3 WAKE ISLAND Hy 56.87 309 T, H11N1 WAKE ISLAND Hy 56.88 309 T, H11N1 WAKE ISLAND Hy 56.88 309 T, H11N2 WAKE ISLAND Hy 56.89 309 T, H11N2 WAKE ISLAND Hy 56.89 309 T, SNCC San Nicolas Is, SNCC San Nicolas Is, SCZ2 Santa Cruz Isl, SCZ2 Santa Cruz Isl, MONP Monument Peak, MONP Monument Peak, MKM Mcherson Peak, MKM Mcherson Peak, MURC Murrieta, MURC Murrieta, SWSC Sam W. Stewart, SWSC Sam W. Stewart, FRD Ford Ranch, An, FRD Ford Ranch, An, BFSC Mount Baldy Ra, BFSC Mount Baldy Ra, PFO Pinyon Flats O, PFO Pinyon Flats O, ARVC Arvin, ARVC Arvin, EDW2 Edwards Air Fo, EDW2 Edwards Air Fo, BC3 Big Chuckawall, BC3 Big Chuckawall, BELC Belle Mtn. Jos, BELC Belle Mtn. Jos, VES Vestal, Richgr, VES Vestal, Richgr, 214A Organ Pipe Nat, 214A Organ Pipe Nat, ISA Isabella, La, ISA Isabella, La, LRMC Laurel Mtn Rad, LRMC Laurel Mtn Rad, HEC Hector,Ludlow, HEC Hector,Ludlow, IRM Iron Mountain, IRM Iron Mountain, GMRC Granite Mounta, GMRC Granite Mounta, CTA Charters Tower, CTA Charters Tower, MPMC Manual Prospect, MPMC Manual Prospect, CWC Cottonwood Cre, CWC Cottonwood Cre, DAC Dardwin (Calif), DAC Dardwin (Calif), PDMCI Parker Dam,Lak, PDMCI Parker Dam,Lak, TUQ Turquoise Moun, TUQ Turquoise Moun, NEE2 Needles Airpor, NEE2 Needles Airpor, CMB Columbia Colle, CMB Columbia Colle, SHOC Shoshone, Tecco, SHOC Shoshone, Tecco, TIN Tinemaha, Big, TIN Tinemaha, Big, TUC Tucson, TUC Tucson, Y14A Yickenburg, Y14A Yickenburg, MDPB Devils Postpil, MDPB Devils Postpil, OMMB Old Mammoth Mi, OMMB Old Mammoth Mi, FURC Furman Creek, FURC Furman Creek.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like GRAC Grapevine Rang, AFDM Forest Hills D, W13A Hualapai Mount, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PV22 Blue Mesa, P18A Preston Nutter, JLU Jordanelle, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like LAO LASA Array, LAO LASA Array, HHAR Hobbs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TWT Tachien, CHKT Chengkung, ENA Nanau, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIJ Ishigaki jima, JISG Ishigakijimahi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like T0802 SanFelice sul, T0800 Massa Finalese, etc.

Table with columns: ARMA, Armadale, 30.19 241 eP, 06 41 03.1 -1.7, etc. Includes stations like Rabul, CNB, CAN, etc.

Table with columns: VVDA, Vanda, 59.93 185 eP, 06 44 53.0 +2.1, etc. Includes stations like Ballidu, KMSI, APSI, etc.

Table with columns: FRD, Ford Ranch, 77.91 48 P, 06 46 40.6 +1.0, etc. Includes stations like WDC, AFDM, ORV, etc.

16D 8h

Table with columns: PTEO, Sao Teoticono, 3.06 85 Pn Pn, 08 21 25.4 +0.3, 08 22 01.4 -0.3, MORF, Marmete, 3.11 89 eP Pn, 08 21 27.1 +1.2, MORF, Marmete, 3.11 89 eP Pn, 08 21 26.3 +0.4, MORF, Marmete, 3.11 89 eP Pn, 08 22 02.3 +0.3, MORF, Marmete, 3.11 89 eP Pn, 08 22 10.6, MORF, Marmete, 3.11 89 Pn Pn, 08 21 27.1 +1.2, MORF, Marmete, 3.11 89 Pn Pn, 08 22 02.9 -0.3, PNCL, Nicolau / Gran, 3.29 75 ePn Pn, 08 21 29.5 +1.2, PNCL, Nicolau / Gran, 3.29 75 eS Pn, 08 22 07.1 -0.3, PNCL, Nicolau / Gran, 3.29 75 eS Pn, 08 22 14.2, MESJ, Messejana, 3.48 80 eP Pn, 08 21 32.3 +1.4, MESJ, Messejana, 3.48 80 eS Pn, 08 22 12.5 +0.3, MESJ, Messejana, 3.48 80 eS AML, 08 22 15.3, MESJ, Messejana, 3.48 80 ePn Pn, 08 21 31.8 +0.8, MESJ, Messejana, 3.48 80 eS Pn, 08 22 12.1 +0.1, MESJ, Messejana, 3.48 80 eS A, 08 22 15.4, MESJ, Messejana, 3.48 80 Pn Pn, 08 21 32.3 +1.4, MESJ, Messejana, 3.48 80 Pn Pn, 08 22 12.5 +0.3, PCVE, Castro Verde, 3.60 84 ePn Pn, 08 21 33.7 +1.0, PCVE, Castro Verde, 3.60 84 eS Pn, 08 22 15.1 -0.2, PCVE, Castro Verde, 3.60 84 eS A, 08 22 20.4, PCVE, Castro Verde, 3.60 84 Pn Pn, 08 21 33.7 +1.0, PCVE, Castro Verde, 3.60 84 Pn Pn, 08 22 15.1 -0.2, PBDV, Barranco-do-Ve, 3.69 90 eS Pn, 08 22 17.1 -0.3, PBDV, Barranco-do-Ve, 3.69 90 S Pn, 08 21 36.4 +1.2, PBDV, Barranco-do-Ve, 3.69 90 ePn Pn, 08 21 37.9 +0.1, EVO, Evora, 3.79 70 eS Pn, 08 22 19.7 -0.1, EVO, Evora, 3.79 70 eS A, 08 22 27.2, EVO, Evora, 3.79 70 Pn Pn, 08 21 36.4 +1.2, EVO, Evora, 3.79 70 Pn Pn, 08 22 19.7 -0.1, PMTG, Montargil, 3.83 62 ePn Pn, 08 21 36.4 +0.7, PMTG, Montargil, 3.83 62 eS Pn, 08 22 20.9 +0.1, PMTG, Montargil, 3.83 62 eS A, 08 22 24.9, PVAQ, Vaqueiros, 3.85 87 ePn Pn, 08 21 36.6 +0.5, PVAQ, Vaqueiros, 3.85 87 eS Pn, 08 22 20.8 -0.6, PVAQ, Vaqueiros, 3.85 87 eS A, 08 22 27.0, PVAQ, Vaqueiros, 3.85 87 Pn Pn, 08 21 36.6 +0.5, PVAQ, Vaqueiros, 3.85 87 Pn Pn, 08 22 20.8 -0.6, EGRO, El Granado, 4.04 85 Pn Pn, 08 21 39.1 +0.5, EGRO, El Granado, 4.04 85 S Pn, 08 22 26.4 +0.3, PESTR, Estremoz, 4.21 67 ePn Pn, 08 21 41.7 +0.7, PESTR, Estremoz, 4.21 67 eS Pn, 08 22 30.2 0.0, PESTR, Estremoz, 4.21 67 eS A, 08 22 37.4, PBAR, Barrancos, 4.45 77 ePn Pn, 08 21 45.8 +1.5, PBAR, Barrancos, 4.45 77 eS Pn, 08 22 36.3 +0.1, PBAR, Barrancos, 4.45 77 eS A, 08 22 41.9, PBAR, Barrancos, 4.45 77 Pn Pn, 08 21 45.8 +1.5, PBAR, Barrancos, 4.45 77 Pn Pn, 08 22 36.3 +0.1, PMRV, Marv??o, 4.57 61 ePn Pn, 08 21 46.6 +0.7, PMRV, Marv??o, 4.57 61 eS Pn, 08 22 38.4 -0.7, PMRV, Marv??o, 4.57 61 eS A, 08 22 43.4, PMRV, Marv??o, 4.57 61 Pn Pn, 08 21 46.6 +0.7, PMRV, Marv??o, 4.57 61 Pn Pn, 08 22 38.4 -0.7, EBAD, Badajoz, 4.60 70 Pn Pn, 08 21 47.7 +1.3, EBAD, Badajoz, 4.60 70 S Pn, 08 22 38.7 -1.2, EMIN, Mina Concepcio, 4.70 83 Pn Pn, 08 21 48.0 +0.3, EMIN, Mina Concepcio, 4.70 83 S Pn, 08 22 40.2 -2.0, PCBR, Castelo Branco, 4.71 56 ePn Pn, 08 21 49.1 +1.3, PCBR, Castelo Branco, 4.71 56 Pn Pn, 08 21 49.1 +1.3, PGAV, Gaveira, Arco, 5.69 34 eS Pn, 08 23 05.3 -1.6, ECAB, El Cabril, 5.71 80 Pn Pn, 08 22 02.0 +0.4, ECAB, El Cabril, 5.71 80 S Pn, 08 23 04.3 -2.9, ELOB, Lobios, 5.71 36 Pn Pn, 08 22 02.1 +0.4, ELOB, Lobios, 5.71 36 S Pn, 08 23 04.9 -2.5, EPLA, Plasencia, 5.76 60 Pn Pn, 08 22 02.7 +0.4, EPLA, Plasencia, 5.76 60 S Pn, 08 23 06.6 -1.8, EADA, Adamuz, 6.38 80 Pn Pn, 08 22 10.5 -0.3, EADA, Adamuz, 6.38 80 S Pn, 08 23 21.7 -2.0, PAB, San Pablo, 6.81 68 Pn Pn, 08 22 17.5 +0.7, PAB, San Pablo, 6.81 68 S Pn, 08 22 17.5 +0.7

IDC 16 08:28:18.4,2.4,6.89S:156°83E, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.7/52, mbtmp4.1/4, MS2.7/1, Ms1 2.7/1, ms1mx2.1/44, Error ellipse: s-maj=73.8km s-min=33.5km az=102.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: PMG, Port Moresby, 9.89 255 LR LR, 08 34 26.1, WARR, Warramunga Arr, 25.39 237 P, 08 33 48.3 +0.6, WH13, WAKE ISLAND Hy 27.03 21 T, 08 42 45.5, WH12, WAKE ISLAND Hy 27.04 21 T, 09 02 37.4, WH11, WAKE ISLAND Hy 27.05 21 T, 09 02 38.6, ASAR, Alice Springs, 76.22 230 P, 08 34 07.7 -0.2, SONM, Songino Array, 70.24 327 P, 08 39 33.8 +0.4, MAW, Mawson, 85.19 203 P, 08 40 56.0 -0.4

NIED 16 08:31:00,34.00N:141.70E, h5km, Mw4.0 Best double couple: M1.03000:1015 NP1:159.0000:843.0000, 7.45.00000. NP2:33.0000:862.0000:123.00000

ISCJB 16 08:31:16.6,0.8,33.92N:0.04:141.64E:0.07, h41km,7km, mb3.9/23, MS3.3/4, Error ellipse: s-maj=9.1km s-min=6.6km az=172.9

JMA 16 08:31:16.6,0.3,33.95N:141.65E, h50km,4km, M3.7 IDC 16 08:31:20.0,1.9,33.90N:141.56E, h54km,16km, M3.7/22, mb1 3.6/26, mb1mx3.7/75, mbtmp4.0/26, ML3.4/4, MS3.2/8, Ms1 3.2/8, ms1mx2.9/98, Error ellipse: s-maj=14.6km s-min=9.7km az=92.0

ISC 16 08:31:16.7,3.7,33.92N:0.04:141.69E:0.07, h29km,26km, n52, e133/54, mb4.0/23, MS3.5/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: BS01, Boso 1, 0.94 321 P, 08 31 33.0 -0.4, BS03, Boso 3, 1.31 312 P, 08 31 38.7 -0.1, BS04, Boso 4, 1.54 314 P, 08 31 42.2 0.0, JMKN, Mikurajimanish, 1.74 270 P, 08 31 44.6 -0.4, JHJ2, Mitsune, 1.76 243 P, 08 31 45.5 +0.3, JHJ1, Hachijo jima 2, 1.78 244 P, 08 31 45.6 +0.1, JHJ, Hachijo jima 1, 1.78 243 S, 08 32 07.2 +0.1, TATJ, Tateyama 2, 1.85 307 P, 08 31 46.5 0.0, CHOU, Choshi, 1.90 339 S, 08 32 09.8 -0.4, JIM2, Oshima 3, 2.03 294 P, 08 31 48.1 -0.9, JIM2, Oshima 3, 2.03 294 S, 08 32 12.3 -1.1

2012 AUG

Table with columns: JTHY, Toshimigashiji, 2.08 287 P Pn, 08 31 49.4 -0.2, JIZS, Izushimoda, 2.46 290 S Pn, 08 31 54.7 -0.1, JIZS, Izushimoda, 2.46 290 S Pn, 08 32 23.0 -0.9, JOD2, Odawara 2, 2.53 303 S Pn, 08 31 55.1 -0.7, JOD2, Odawara 2, 2.53 303 S Pn, 08 32 24.8 -0.9, MJAR, Matsushiro Arr, 3.87 314 S Pn, 08 32 15.1 +0.8, MJAR, Matsushiro, 3.87 314 S Pn, 08 32 59.4 +0.8, MJAR, Matsushiro, 3.87 314 S Pn, 08 34 03.1, MAT, Matsushiro, 3.87 314 P Pn, 08 32 15.3 +1.1, MAT, Matsushiro, 3.87 314 S Pn, 08 33 00.2 +1.5, JCJ, Chichijima, 6.82 176 P Pn, 08 32 55.8 +1.0, JCJ, Chichijima, 6.82 176 S Pn, 08 33 06.3 -5.1, JNU, Nakatsu, 9.06 268 P Pn, 08 34 27.4 +1.8, JNU, Nakatsu, 9.06 268 S Pn, 08 36 45.8, ASAJ, Asahikawa, 10.21 4 P Pn, 08 33 41.0 -0.2, ASAJ, Asahikawa, 10.21 4 S Pn, 08 35 30.1 -4.5, KSRS, Kora Array, 11.73 291 P Pn, 08 34 04.2 +2.1, KSRS, Kora Array, 11.73 291 S Pn, 08 38 59.6, USRK, Utsuriyarr Arr, 12.72 327 P Pn, 08 34 14.0 -1.6, JOW, Kunigami, 13.56 242 LR LR, 08 39 45.3, KLR, Kul dur, 16.98 337 P Pn, 08 35 15.4 +1.7, PETK, Petropavlovsk, 22.32 26 LR LR, 08 44 59.4, H112, WAKE ISLAND Hy 26.48 116 T, 09 04 36.1, H111, WAKE ISLAND Hy 26.48 116 T, 09 04 36.3, H110, WAKE ISLAND Hy 26.48 116 T, 09 04 32.1, SONM, Songino Array, 29.80 306 P P, 08 37 21.6 +0.5, CMAR, Chiang Mai Arr, 41.02 259 P P, 08 38 55.8 -1.7, ZALV, Zalesovo Beam, 44.22 315 P P, 08 39 21.3 -1.8, MKAR, Makanchi Array, 46.02 305 P P, 08 39 37.2 -0.2, NRIK, Norfolk, 46.19 337 LR LR, 09 01 02.2, KURBB, Kurchatov Arr, 48.13 310 P P, 08 39 53.9 0.0, KDAR, Kadak Island, 49.30 40 P P, 08 40 03.1 +0.4, ILAR, Eilon Array, 52.02 31 P P, 08 40 24.1 +1.0, BVAR, Borovoye Array, 52.86 314 P P, 08 40 28.9 -0.7, FITZ, Fitzroy Crossi, 53.94 199 P P, 08 40 38.0 +0.2, WRA, Warramunga Arr, 54.02 189 P P, 08 40 38.1 -0.2, ASAR, Alice Springs, 57.75 188 P P, 08 41 05.4 +0.4, AKTO, Aktyubinsk, 60.94 313 P P, 08 41 27.4 +0.4, FINES, Fineness Array B, 71.67 333 P P, 08 42 36.1 +0.7, KBZ, Khabaz, 73.11 312 P P, 08 42 44.2 0.0, GNI, Gairi, 73.76 308 LR LR, 09 18 05.9, NVAR, Mina Array Bea, 76.68 53 P P, 08 43 06.7 +1.4, AKAS, Malin Array Bea, 76.90 323 P P, 08 43 05.7 -0.3, HFS, Hagfors, 77.01 336 P P, 08 43 05.4 -1.1, NB2, NORSAR Subarra, 77.14 338 P P, 08 43 07.4 +0.1, NOA, NORSAR Array B, 77.14 338 P P, 08 43 07.2 -0.1, NOA, NORSAR Array B, 77.14 338 LR LR, 09 21 05.5, PDR, Pinedale Array, 79.69 45 P P, 08 43 23.8 +1.8, BRTR, Keskin Array B, 81.09 312 P P, 08 43 30.4 +1.0, MMAI, Mount Meron Arr, 83.95 306 P P, 08 43 45.6 +1.2, GERES, Geres Array B, 85.47 329 P P, 08 43 51.3 -0.5, TXAR, Lajitas Array, 91.84 63 P P, 08 44 23.2 +0.8, LPAZ, La Paz, 147.96 64 PKPbc PKPbc, 08 51 00.5 0.0

IDC 16 08:41:24.2,33.0,20.37S:178°48W, h477km,305km, mb3.0/4, mb1 3.1/4, mb1mx2.8/44, mbtmp3.6/4, Error ellipse: s-maj=253.0km s-min=159.6km az=132.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: CTA, Charters Tower, 33.06 264 P P, 08 47 19.4 0.0, ASAR, Alice Springs, 44.11 257 P P, 08 48 49.0 -0.5, WRA, Warramunga Arr, 44.17 262 P P, 08 48 49.9 0.0, FITZ, Fitzroy Crossi, 53.94 199 P P, 08 49 53.0 0.0, KEST, Kea, 162.32 327 PKP PKPdf, 09 00 31.1 -0.6

NEIC 16 08:43:06.1,0.0,19.30N:155°22'W, h10km, MD3.7 (HVO), After HVO, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: PUH, Pauahi, 0.08 3 ePp P, 08 43 08.5 -0.1, HLP, Hilina Pali, 0.08 269 ePp P, 08 43 09.0 +0.4, KKO, Keanakoi'i, 0.11 323 ePp P, 08 43 09.1 0.1, RIM, Rimpur, 0.11 322 ePp P, 08 43 09.1 +0.1, SDHH, Sand Hill, 0.12 322 ePp P, 08 43 11.0 -0.1, SDHH, Sand Hill, 0.12 322 eSg P, 08 43 11.5 +0.2, BYT, Byron's Ledge, 0.12 342 ePp P, 08 43 09.0 0.0, STCH, Steam Cracks, 0.12 46 ePp P, 08 43 09.2 0.0, STCH, Steam Cracks, 0.13 333 eSg P, 08 43 11.6 +0.2, NPH, North Pit, 0.13 333 ePp P, 08 43 09.2 -0.1, WATHI, Halema'uma'u T, 0.13 343 ePp P, 08 43 09.3 0.0, WRMH, West Rim, 0.13 325 ePp P, 08 43 09.4 0.0, WRMH, West Rim, 0.13 325 eSg P, 08 43 09.4 +0.2, OBL, Observatory Le, 0.13 333 ePp P, 08 43 09.0 0.0, SBLHI, Steaming Bluff, 0.14 341 ePp P, 08 43 12.0 +0.3, SBLHI, Steaming Bluff, 0.14 341 eSg P, 08 43 09.4 0.0, SBLHI, Steaming Bluff, 0.14 341 eSg P, 08 43 11.7 -0.1, UWB, Uwekahuna B, 0.14 337 ePp P, 08 43 09.4 0.0, UWB, Uwekahuna B, 0.14 337 eSg P, 08 43 11.7 0.1, JUJZ, Jacuzzi, 0.14 53 ePp P, 08 43 09.4 0.0, JUJZ, Jacuzzi, 0.14 53 eSg P, 08 43 11.9 +0.2, NPOC, North of Pu'u, 0.14 48 ePp P, 08 43 09.5 +0.1, NPOC, North of Pu'u, 0.14 48 eSg P, 08 43 11.7 -0.1, UWE, Uwekahuna, 0.14 331 ePp P, 08 43 09.5 0.0, UWE, Uwekahuna, 0.14 331 eSg P, 08 43 11.7 0.1, AIN, Ainahou, 0.24 288 ePp P, 08 43 11.4 +0.3, AIN, Ainahou, 0.24 288 eSg P, 08 43 15.2 +0.7, MLH, Mauna Loa, 0.25 321 ePp P, 08 43 15.1 +0.1, KLU, Kahuku, 0.28 262 ePp P, 08 43 13.7 0.0, KLU, Kahuku, 0.28 262 eSg P, 08 43 13.7 0.0, HMO, Hunapu, 0.38 327 ePp P, 08 43 13.7 0.0, HMO, Hunapu, 0.38 327 eSg P, 08 43 13.9 0.0, MWH, Moku'aweo, 0.40 298 ePp P, 08 43 14.1 -0.2, MLOA, Mauna Loa Obse, 0.41 305 ePp P, 08 43 14.1 -0.2, POHA, Pohakuloa, 0.54 327 ePp P, 08 43 16.2 -0.5, HUH, Hualalai, 0.76 304 ePp P, 08 43 18.7 -1.0, KHLU, Kaha'u'u, 0.70 295 ePp P, 08 43 18.2 -1.5, KHLU, Kaha'u'u, 0.70 295 eSg P, 08 43 28.0 -0.8, KKH, Kailua Kona, 0.83 295 ePp P, 08 43 20.0 -2.2, HPAH, Hawaii Prepara, 0.86 328 ePp P, 08 43 20.3 -2.3

Table with columns: MHA, Mahukona, 1.09 324 ePn Pn, 08 43 23.9 -3.2, HLK, Haleakala, 1.75 327 ePn Pn, 08 43 32.8 -3.9, KHLH, Kahaui Airpor, 1.95 325 ePn Pn, 08 43 36.2 -3.1, HON, Honoluli, 3.30 308 ePn Pn, 08 43 53.8 -3.9, KIP, Kipapa, 3.37 309 ePn Pn, 08 43 55.5 -3.1, KEKH, Kekaha, 4.98 303 ePn Pn, 08 44 18.7 -2.3

NEIC 16 08:43:08.2,0.0,37.59S:179°59W, h22km, ML4.0 (WEL), After WEL, East of North Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: WMGZ, Waioataini S, 1.59 261 Pn Pn, 08 43 34.6 -0.5, WMGZ, Waioataini S, 1.59 261 S Pn, 08 43 35.1 -1.5, MXZ, Matakaoa Point, 1.67 270 Pn Pn, 08 43 35.6 -0.4, MXZ, Matakaoa Point, 1.67 270 S Pn, 08 43 35.6 -0.4, PUZ, Puketiti, 1.77 254 Pn Pn, 08 43 36.9 -0.6, PUZ, Puketiti, 1.77 254 S Pn, 08 43 37.9 -1.4, CNGZ, Carnagh Statio, 1.95 242 Pn Pn, 08 43 40.1 +0.1, TUGZ, Tauhiarepara, 2.01 252 Pn Pn, 08 43 40.6 -0.2, TKGZ, Te Karaka, 2.19 246 Pn Pn, 08 43 43.1 -0.2, PRGZ, Paritu Road, 2.39 235 Pn Pn, 08 43 45.9 -0.1, MWZ, Matawai, 2.39 251 Pn Pn, 08 43 45.4 -0.7, MHGZ, Mahia Peninsula, 2.51 231 Pn Pn, 08 43 47.0 -0.7, KNZ, Kokohu, 2.58 236 Pn Pn, 08 44 01.1 -0.4, KNZ, Kokohu, 2.58 236 S Pn, 08 44 17.3 -2.0, URZ, Urewera, 2.69 255 Pn Pn, 08 43 48.5 -1.6, OPRZ, Ohinepaea, 3.06 264 Pn Pn, 08 43 54.8 -0.5, RRRZ, Republican Roa, 3.17 255 Pn Pn, 08 43 56.3 -0.4, NMWZ, Naumai, 3.20 241 Pn Pn, 08 43 57.0 -0.3, BMCH, Black Hill, 3.45 236 Pn Pn, 08 44 00.1 -0.4, BKZ, Black Stump Fm, 3.45 242 Pn Pn, 08 44 00.3 -0.4, KAHZ, Kahurangi, 3.53 230 Pn Pn, 08 44 00.4 -1.4, KUZ, Kuaotunu, 3.84 281 Pn Pn, 08 44 05.1 -0.8, BHHZ, Black Hill Sta, 3.90 240 Pn Pn, 08 44 06.1 -0.7, PHNZ, Poranahau, 3.97 227 Pn Pn, 08 44 05.1 -0.1, PHNZ, Poranahau, 4.02 223 Pn Pn, 08 44 07.6 -0.9, TSZ, Takapari Road, 4.26 233 Pn Pn, 08 44 09.8 -1.9, BFZ, Birch Farm, 4.47 225 Pn Pn, 08 44 11.1 -3.5, TIWZ, Tintock, 4.74 226 Pn Pn, 08 44 15.6 -2.7, MRZ, Mangatainoka R, 4.84 229 Pn Pn, 08 44 17.1 -2.6, MRZ, Mangatainoka R, 5.03 227 Pn Pn, 08 44 18.7 -3.9, MTW, Mount Morrison, 5.21 225 Pn Pn, 08 44 20.6 -4.1

ISCJB 16 08:45:11.9,0.5,37°21'N:0°04'28'18E:0°05, h0km, Error ellipse: s-maj=6.8km s-min=3.8km az=43.0

ISK 16 08:45:11.7,37°21'N:28°16E, h14km,2km, ML2.0/9 DDA 16 08:45:12.2,37°23'N:28°18E, h7km, ML2.5, Suspected Mining explosion.

ISC 16 08:45:11.8,1.1,37°22'N:0°03'28'18E:0°03, h0km, n16, 1571/20, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: YER, Yerkesik, 0.12 135 Pp P, 08 45 15.4 +1.3, MLBS, Milas, 0.33 283 Pp P, 08 45 18.5 +0.5, MLBS, Milas, 0.33 283 Sg P, 08 45 23.5 +1.2, TURN, Turunc, 0.49 135 Pp P, 08 45 21.1 0.0, TURN, Turunc, 0.49 135 Sg P, 08 45 27.4 0.0, TURN, Turunc, 0.49 135 Pp P, 08 45 27.1 -0.1, TURN, Turunc, 0.49 135 Sg P, 08 45 28.0 +0.6, AYDN, Tasoluk, 0.50 332 Pp P, 08 45 22.5 -1.0, AYDN, Tasoluk, 0.50 332 Sg P, 08 45 26.7 +0.9, MRBS, Marmaris-Mugla, 0.50 178 Pp P, 08 45 23.7 -1.2, DALY, Dalyan (Mu'la), 0.56 136 Pp P, 08 45 24.0 -0.4, DALY, Dalyan (Mu'la), 0.56 136 Sg P, 08 45 24.9 -0.3, BDRM, Kayabasi, 0.60 255 Pp P, 08 45 24.2 +0.2, TAVA, DENIZLI Tavas, 0.64 67 Pp P, 08 45 25.4 +0.2, DAT, Datca, 0.69 224 Pp P, 08 45 25.3 0.0, DAT, Datca, 0.69 224 Sg P, 08 45 25.3 0.0, BODT, Bodrum, 0.71 257 Pp P, 08 45 24.8 -0.6, AYDB, Zeytinokoy-Aydi, 0.76 343 Pp P, 08 45 26.6 +0.2, GCAM, G?zelcamli?, 0.89 303 Pp P, 08 45 29.4 -0.7, ARG, Arkhangelos, 1.00 182 Pp P, 08 45 30.9 -0.1

MAN 16 08:55:12.0,10°20'N:125°77E, h85km, mb4.1, ML2.8, MS2.5, 1D, Leyte

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: MSLP, Maasin, 0.90 266 ePp P, 08 55 31.2 +0.9, MSLP, Maasin, 0.90 266 eSg P, 08 55 45.9 +2.0, BUTP, Butuan, 1.23 187 ePp P, 08 55 35.1 +1.3, PLP, Palau, 1.23 321 ePp P, 08 55 35.5 +1.3, PLP, Palau, 1.23 321 eSg P, 08 55 51.4 +0.4, BESP, Borongan, 1.43 347 ePp P, 08 55 37.8 +1.1, BUKP, Musuan, 2.41 197 ePp P, 08 55 51.2 +1.5

IDC 16 08:57:22.3,1.7,32.67S:77°99E, h0km, mb3.6/6, mb1 3.7/6, mb1mx3.5/65, mbtmp3.6/6, MS3.4/11, Ms1 3.4/11, ms1mx3.0/54, Error ellipse: s-maj=70.0km s-min=27.1km az=21.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, ISC, h m s, ISC. Rows include: H08S2, Diego Garcia H, 25.42 347 T T, 09 29 59.1, H08S1, Diego Garcia H, 25.42 347 T T, 09 29 59.4, H08S3, Diego Garcia H, 25.44 347 T T, 09 30 00.6, H08N1, Diego Garcia H, 26.99 345 T T, 09 31 56.8, H08N3, Diego Garcia H, 26.99 345 T T, 09 31 54.3, H08N2, Diego Garcia H, 27.01 345 T T, 09 31 55.0, H01W2, Cape Leeuwin H, 30.02 104 T T, 09 34 56.8, H01W3, Cape Leeuwin H, 30.03 104 T T, 09 34 57.1, H01W1, Cape Leeuwin H, 30.04 104 T T, 09 34 57.9, NWA0, Narragin (SRO), 32.86 101 LR LR, 09 13 34.7, MAW, Mawson, 36.88 190 LR LR, 09 16 22.6, PSI, Prapat, 40.47 33 LR LR, 09 19 10.1, BOSB, Boshof, 45.17 261 LR LR, 09 22 16.4, ASAR, Alice Springs, 49.62 95 P P, 09 06 15.3 -0.5, WRA, Warramunga Arr, 51.55 90 P P, 09 06 30.4 +0.1, CMAR, Chiang Mai Arr, 54.65 25 LR LR, 09 25 26.8, TSUM, Tsumeb, 55.30 268 LR LR, 09 26 27.0, VNDA, Vanda, 57.05 165 LR LR, 09 27 47.2, QSPA, South Pole Qu, 57.48 180 LR LR, 09 29 22.8, PMG, Port Moresby, 66.46 4 LR LR, 09 35 31.6, AAK, Ala-Archa, 75.01 357 LR LR, 09 40 08.8, MKAR, Makanchi Array, 79.19 3 P P, 09 09 29.8 +1.1, BRTR, Keskin Array B, 82.92 32 P P, 09 09 48.1 -0.9, KURBB, Kurchatov Arr, 82.93 0 P P, 09 09 48.1 -0.4, TORD, Torndi, Arr. Bea, 85.80 288 P P, 09 10 04.3 +0.3, ZALV, Zalesovo Beam

795

Table with columns for station call letters, name, frequency, and other details. Includes stations like TSUM, K39A, CLL, CLM, etc.

2012 AUG

Table with columns for station call letters, name, frequency, and other details. Includes stations like ARR, LVV, MLR, BUR08, etc.

16d 12h

Table with columns for station call letters, name, frequency, and other details. Includes stations like BW06, BW06, RLMT, etc.

Table with columns: I/LAR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like KIV, NEY, KBZ, GSC, FURC, YKA, YKB, RPN, NEW, BMO, MPMC, ZEI, LTRC, CWC, NV11, E09A, NV01, NVAR, GNI, GNI, ISA, ISA, WVOR, WVOR, WVOR, WVOR, G08A, OMMB, MDPB, GROC, GROC, GROC, WAKR, HAWA, HAWA, PNTR, PRGR, PRGR, RAYN, RAYN, VNA1, MOD, VNA3, CMB, CMB, K05A, PMPB, MAK, MAK, ORV, ORV, ORV, O03D, J04D, SNA3, SNA3, SNA3, YBH, NLWA, NLWA, DLBC, DLBC, ABPO, ABPO, ARU, ARU, WRAP, WRAP, AKTO, ABKAR, GEYT, EGAK, EGAK, IL1, ILAR.

Table with columns: I/LAR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ILAR, ILB, WSAR, M5EY, M5EY, BRVK, BRVK, BVAR, NRIK, RSO, KDAD, QSPA, QSPA, KURK, KURK, RKT, RKT, RKT, GALE, GALE, TIXI, TIXI, NIL, NIL, KSH, TAOE, TAOE, TAOE, SBA, SBA, WMQ, WMQ, WMQ, ADK, ADK, TLY, TLY, MA2, MA2, TBI, TBI, TBI, PPT2, PPT2, PPT2, CASY, CASY, LSA, LSA, PET, PET, HIA, HIA, LZH, HHC, YSS, YSS, CD2, CN2, BJT, MDJ, MDJ, MIDW, MIDW, KMI, KMI, KMI, CHTO, CHTO, CMAR, ENH, ENH, GYA, GYA, GYA, INCN, INCN, NJ2, SNZO, SNZO, MAJO, MAJO, TATO, TATO, DZM, DZM, DZM, MBWA, MBWA, KAPI, KAPI, ASAR, HNR, HNR, PMG, PMG, GAZ, KMRS, KUZU, ANDT.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like ATAB, ATAB, ELBS, SAIM, SAIM, AKCD, AKCD, SARI, SARI, SURC, SURC, TAHT, TAHT, DARE, DARE, YURE, YURE, YURE, YURE, SANL, SANL, YAYL, YAYL, YAYL, YAYL, YAHY, YAHY, KRYS, KRYS, HEKM, HEKM, KARA, KARA, BNI, BNI, GULE, GULE, SVRC, SVRC, CUKAN, CUKAN, MERS, MERS, KEMA, KEMA, PTK, PTK, KIZK, KIZK, SVSK, SVSK, MAZI, MAZI, VOZ, VOZ, MARD, MARD, KEBE, KEBE, IKL, IKL, TOKT, TOKT, SULT, SULT, AKKU, AKKU, SINGO, SINGO, KELT, KELT, SRMT, SRMT, TEH 16:12:19:33.9, AZER 16:12:19:33.9, ISC 16:12:19:33.9, region, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like IHRH, IHRH, IHRH, ITBZ, ITBZ, ORD, ORD, IMRD, IMRD, IBST, IBST, ISHB, ISHB, IAZR, IAZR, ISRB, ISRB, GRMI, GRMI, NAX, NAX, NAX, SBZ, SBZ, LRK, LRK, LRK, GLBA, GLBA, ASTR, ASTR, LKRN, LKRN, LKRN, Maku, Maku, BRDA, BRDA, BGD, BGD, HYR, HYR, ZRD, ZRD, ZRD, GANJ, GANJ, GANJ, GDB, GDB, ZNJK, ZNJK, IML, IML, GBS, GBS, PQL, PQL, QZX, QZX, QZX, SEKA, SEKA, XNK, XNK, DDFL, DDFL, SIZA, SIZA, DGRG, DGRG, OSAR, OSAR, OSAR, IGZV, IGZV, TBLG, TBLG, TBLG, HKZM, HKZM, SEAG, SEAG, SEAG, OABG, OABG, QALM, QALM, QALM, DUS, DUS, DUS, ONI, ONI, ONI, ISCJB 16:12:21:54.5, NEIC 16:12:21:56.2, IDC 16:12:21:56.3, I3K 16:12:21:53.1, ISC 16:12:21:55.3, Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, Residual, and other parameters. Includes stations like AFI, AFI, AFI, AFI.

AFI		e	S	12 23 33.8
AFI		eS	S	12 24 50.1 -3.9
RAO	Raoul Island	11.39 182 S	S	12 26 55.1 -1.5
DZM	90m,0.3s,baz=17,slow=24,SNR=5.5 Mont Dzumac	15.76 252 eP	P	12 25 19.4 +0.9
OZU	24m,1.1s Omahuta	19.09 203 eP	P	12 25 56.7 +3.0
URZ	11m,0.3s,baz=279,slow=2.9,SNR=32 Urewera	20.92 192 eP	P	12 26 12.0 +0.4
URZ	6.8m,0.8s,baz=12,slow=12,SNR=2.4 Urewera	20.92 192 eP	P	12 26 12.0 +0.4
URZ	14m,0.8s Urewera	20.92 192 eP	P	12 26 12.3 +0.7
BKZ	15m,0.9s Black Stump Fm	21.92 193 eP	P	12 26 21.2 +0.4
THZ	14m,0.8s Tophouse	25.26 197 eP	P	12 26 51.5 +0.6
LTZ	24m,0.9s Lake Taylor	26.38 197 eP	P	12 27 01.0 +0.1
OXZ	21m,0.7s Oxford	26.95 197 eP	P	12 27 06.1 +0.3
RPZ	10.0m,0.6s,baz=345,slow=2.4,SNR=11 Rata Peaks	27.59 198 P	P	12 27 13.0 +1.5
EIDS	8.9m,0.7s Eidsvold	30.20 250 eP	P	12 27 35.4 +0.6
DCZ	36m,1.2s Deep Cove	30.42 202 eP	P	12 27 37.7 +1.4
WHZ	73m,0.9s Wether Hill Ro	30.52 200 eP	P	12 27 39.5 +2.3
ARMA	23m,0.6s Armidale	30.81 240 eP	P	12 27 42.2 +2.1
CTA	4.1m,0.7s,baz=100,slow=11,SNR=7.2 Charters Tower	34.41 260 P	P	12 28 11.9 +0.8
STKA	10m,0.5s,baz=92,slow=9,SNR=26 Stephens Creek	39.51 241 P	P	12 28 55.0 +1.5
STKA	6.8m,1.1s Stephens Creek	39.51 241 P	P	12 28 54.9 +1.3
JAY	5.6m,1.0s,baz=134,slow=1.9,SNR=0.0 Jayapura	43.81 285 P	P	12 29 28.3 0.0
WB2	2.8m,0.5s,baz=97,slow=7.2,SNR=65 Warramunga Arr	45.59 259 eP	P	12 29 42.2 +0.1
WB2	7.8m,0.6s Warramunga Arr	45.59 259 eP	P	12 29 42.3 +0.3
WR1	4.1m,0.7s,baz=98,slow=4.1,SNR=2.0 Warramunga Arr	45.59 259 eP	P	12 29 41.9 -0.2
WR1	1.0m,0.7s,baz=98,slow=4.1,SNR=2.0 Warramunga Arr	45.59 259 eP	P	12 29 41.9 -0.2
WR1	2.8m,0.5s,baz=97,slow=7.2,SNR=65 Warramunga Arr	45.59 259 eP	P	12 29 41.9 -0.2
WRA	0.6m,0.7s,baz=98,slow=4.1,SNR=2.0 Warramunga Arr	45.59 259 eP	P	12 29 41.9 -0.2
AS01	1.0m,1.1s,baz=93,slow=14,SNR=3.6 Alice Springs	45.69 254 eP	P	12 29 51.4 -6.4
AS31	4.7m,0.6s,baz=90,slow=8.1,SNR=6.9 Alice Springs	45.74 254 eP	P	12 29 43.7 +0.4
ASAR	1.0m,0.6s,baz=103,slow=3.7,SNR=2.5 Alice Springs	45.74 254 eP	P	12 29 43.7 +0.4
ASAR	3.6m,0.7s,baz=89,slow=15,SNR=26 Alice Springs	45.74 254 eP	P	12 29 43.7 +0.4
GUMO	4.7m,0.6s,baz=60,slow=22,SNR=2.0 Guam	48.58 307 P	P	12 31 14.5 -0.1
FITZ	1.7m,0.6s,baz=90,slow=8.1,SNR=6.9 Fitzroy Crossi	53.99 260 P	P	12 30 45.3 +0.6
FITZ	4.1m,0.6s Fitzroy Crossi	53.99 260 eP	P	12 30 46.0 +1.2
MBWA	1.3m,0.8s Marble Bar	59.02 256 eP	P	12 31 20.2 +0.3
NWAO	5.2m,0.7s,baz=178,slow=23,SNR=1.7 Narrogin (SRO)	60.10 242 P	P	12 31 27.2 +0.2
SBA	6.3m,1.0s Scott Base	60.56 184 eP	P	12 31 32.2 +0.8
VNDA	1.7m,0.8s,baz=356,slow=6.8,SNR=5.8 Vanda	60.61 185 P	P	12 31 31.7 +2.0
VNDA	1.7m,0.8s,baz=356,slow=6.8,SNR=5.8 Vanda	60.61 185 eP	P	12 31 32.0 +2.4
MJAR	1.8m,0.7s Matsushiro Arr	68.42 323 P	P	12 32 19.1 -1.2
MAJO	2.5m,0.8s,baz=167,slow=6.2,SNR=9.9 Matsushiro	68.42 323 eP	P	12 32 19.1 -1.2
MAT	1.2m,0.8s,baz=167,slow=6.2,SNR=9.9 Matsushiro	68.42 323 eP	P	12 32 19.8 -0.5
QSPA	10.0m,0.9s,baz=33,slow=1,SNR=20 South Pole Qui	72.23 180 P	P	12 32 44.3 +1.3
KSM	1.1m,1.0s Kuching	73.63 277 eP	P	12 32 51.6 -0.2
PETK	3.8m,0.7s,baz=111,slow=9.2,SNR=0.0 Petropavlovsk	73.85 345 P	P	12 32 51.9 -0.4
PEA1	0.9m,0.7s,baz=132,slow=5.8,SNR=4.5 Petropavlovsk	73.85 345 eP	P	12 32 51.9 -0.4
KSRS	0.9m,0.7s,baz=132,slow=5.8,SNR=4.5 Korea Array	75.28 318 P	P	12 32 51.9 -0.4
KS15	0.9m,0.7s,baz=132,slow=5.8,SNR=4.5 Wonju Array Si	75.30 318 eP	P	12 33 01.4 +0.6
KSAR	0.9m,0.7s,baz=132,slow=5.8,SNR=4.5 Wonju Array Be	75.30 318 eP	P	12 33 01.4 +0.6
NV01	1.3m,0.7s,baz=226,slow=9.4,SNR=16 Mina Array Sit	78.70 43 eP	P	12 33 20.2 +0.3
NVAR	1.3m,0.7s,baz=226,slow=9.4,SNR=16 Mina Array Bea	78.70 43 eP	P	12 33 21.0 +1.1
KLR	0.9m,0.7s,baz=111,slow=9.2,SNR=0.0 Kuldur	80.53 329 P	P	12 33 29.1 0.0
PMSA	36m,0.9s,baz=340,slow=18,SNR=3.6 Palmer Station	83.51 157 P	P	12 33 45.5 +1.2
TRF	4.9m,0.7s Thorofore Moun	83.37 12 eP	P	12 33 45.2 -0.3
SEY	3.1m,0.6s,baz=111,slow=6.3,SNR=4.4 Seyman	83.91 347 eP	P	12 33 45.4 -0.8
HLID	1.4m,1.2s Hailey	83.94 41 eP	P	12 33 48.8 +1.3
RND	1.2m,0.7s Reindeer	83.98 12 eP	P	12 33 46.9 +0.3
MCK	4.6m,0.8s McKinley	84.25 12 eP	P	12 33 47.6 -0.3
MAW	1.2m,0.9s,baz=147,slow=8.5,SNR=9.9 Mawson	84.26 200 P	P	12 33 48.4 +0.4
WRH	5.8m,1.2s Wood River Hill	85.08 12 eP	P	12 33 51.6 -0.4
LTX	85.14 57 eP	P	12 33 55.1 +1.9	
TXS1	85.14 57 eP	P	12 33 52.7 +0.5	
TXAR	85.14 57 eP	P	12 33 55.1 +1.9	
CCB	4.9m,0.7s Clear Creek Bu	85.29 12 eP	P	12 33 52.5 -0.5
ILAR	1.1m,0.5s,baz=224,slow=5.8,SNR=21 Eielson Array	85.59 13 eP	P	12 33 53.9 -0.6
ILB	1.1m,0.5s,baz=224,slow=5.8,SNR=21 Eielson Array	85.59 13 eP	P	12 33 53.9 -0.6
IL1	0.9m,0.8s,baz=238,slow=6.3,SNR=9.5 Eielson Array	85.59 13 eP	P	12 33 53.4 -1.1
PDAR	0.9m,0.8s,baz=238,slow=6.3,SNR=9.5 Pinedale Array	86.33 43 eP	P	12 34 00.3 -0.1
HHC	0.9m,0.8s,baz=238,slow=6.3,SNR=9.5 Hu-ho-hao-te	87.90 314 eP	P	12 34 05.5 -0.7
HHC	comp=Z,1.1m,1.3s Hu-ho-hao-te	87.90 314 eP	P	12 34 05.5 -0.7
HHC	comp=Z,2.1m,8.2s Hu-ho-hao-te	87.90 314 eP	P	12 34 05.5 -0.7
SYO	89.45 193 eP	P	12 34 12.0 -0.8	
CMAR	89.76 289 eP	P	12 34 15.7 +0.4	
CD2	89.83 303 eP	P	12 34 16.0 +0.6	
CD2	comp=Z,1.0m,0.5s Snaae	90.66 178 P	P	12 34 18.3 -0.2
SNA4	comp=Z,1.3m,0.6s,baz=88,slow=4.5,SNR=4.4 Snaae	90.66 178 eP	P	12 34 17.8 -0.7
SNA4	comp=Z,1.3m,0.6s,baz=88,slow=4.5,SNR=4.4 Snaae	90.66 178 eP	P	12 34 17.8 -0.7
VNA3	comp=Z,1.8m,0.7s Neumayer Olymp	90.76 176 P	P	12 34 19.2 +0.2
VNA1	comp=Z,1.8m,0.7s Neumayer-Stat	91.43 176 P	P	12 34 22.7 +0.7
ARAO	16.2m,0.4s,baz=350,slow=15.5,SNR=21 Arceus Array S	126.40 350 PKP	PKP	12 40 15.6 -0.7
ARCS	16.2m,0.4s,baz=350,slow=15.5,SNR=21 Arceus Array B	126.40 350 PKP	PKP	12 40 15.6 -0.7
FIAD	133.36 345 ePKP	PKP	12 40 28.1 -1.6	
FINES	133.36 345 ePKP	PKP	12 40 28.1 -1.6	
AKASG	140.93 333 PKHP	PKHP	12 40 41.3	
BR101	145.40 316 ePKP	PKP	12 40 52.9 +0.5	
BR131	145.40 316 ePKP	PKP	12 40 53.0 +0.6	
BRTR	145.40 316 ePKP	PKP	12 40 52.9 +0.5	
CLL	145.58 348 ePKP	PKP	12 40 53.1 +0.9	
CLL	145.58 348 ePKP	PKP	12 40 53.1 +0.9	
BRG	145.81 347 ePKP	PKP	12 40 53.7 +1.2	
LYNS	145.90 340 ePKP	PKP	12 40 54.7 +0.6	
VHNS	146.67 340 ePKP	PKP	12 40 57.0 +0.7	
MMAI	146.90 304 ePKP	PKP	12 40 56.6 +1.6	
GERES	147.77 346 PKPbc	PKPbc	12 40 59.4 0.0	
GERES	147.77 346 PKPbc	PKPbc	12 40 59.4 0.0	

CONA	Conrad Observa	148.07 343 i PKIKP	PKPbc	12 41 00.3 +0.1
MOA	Molin	148.56 345 ePKPbc	PKPbc	12 41 00.5 -0.8
SOKA	Soboth	149.44 343 ePKPbc	PKPbc	12 41 03.0 -0.6
KBA	Koelnbreinsper	149.51 345 ePKPbc	PKPbc	12 41 03.1 -0.7
WATA	Walderalm	149.66 348 ePKIKP	PKPbc	12 41 04.0 -0.1
RETA	Reutte	149.66 349 i PKPbc	PKPbc	12 41 04.0 -0.2
WTTA	Wattenberg	149.71 348 ePKPbc	PKPbc	12 41 04.1 -0.3
OBKA	Obir	149.73 344 ePKP	PKP	12 40 59.6 +0.3
MYKA	Terra Mystica	149.86 345 ePKPbc	PKPbc	12 41 03.7 -0.9
DJVS	Djibare	149.99 334 ePKP	PKP	12 41 07.0 +1.3
DAVA	Damuels	150.01 350 i PKIKP	PKPbc	12 41 05.5 +0.5
ABTA	Abfallersbach	150.01 346 ePKPbc	PKPbc	12 41 04.3 -0.7
FETA	Feichten	150.12 349 ePKPbc	PKP	12 41 02.8 +2.9
VISS	Visnje	150.30 343 i PKPbc	PKPbc	12 41 05.6 0.0
JAVS	Javornik	150.43 344 i PKPbc	PKPbc	12 41 05.5 -0.4
GOJA	Gojana	150.45 349 i PKPbc	PKPbc	12 41 05.6 +0.2
DAVOX	Davos/Dischmat	150.50 350 PKPbc	PKPbc	12 41 06.5 +0.3
DAVOX	Davos/Dischmat	150.50 350 PKPbc	PKPbc	12 41 06.5 +0.3

JMA 16 12:27:09.2±0.2,40.90N×145.14E,h70km±3km,M3.5, Off east coast of Honshu

Code	Station Name	Δ° AZ'	Phase ID	Time Res
JEM	Erimo	1.86 307	Op Pn	12 27 39.6 +0.7
JEM	Erimo	1.86 307	eS	12 28 00.4 -1.1
JTHR	Tokachihiroo	1.96 316	Op Pn	12 27 41.1 +0.8
JTHR	Tokachihiroo	1.96 316	eS	12 28 01.1 -0.8
JAK	Akkhisi	2.12 351	Op Pn	12 28 07.0 +1.3
JAK	Akkhisi	2.12 351	eS	12 28 07.5 -0.3
JCH	Cherui	2.17 323	Op Pn	12 27 44.0 +0.9
JCH	Cherui	2.17 323	eS	12 28 03.3 -0.7
JOH	Onbets	2.23 334	Op Pn	12 28 10.9 +0.6
JNKB	Urawaka-nobuka	2.26 308	Op Pn	12 27 45.9 +1.6
JNKB	Urawaka-nobuka	2.26 308	eS	12 28 11.4 +0.2
NEM2	Nemuro 2	2.50 10	Op Pn	12 27 48.6 +1.0
JAR	Ashorobuto	2.60 337	Op Pn	12 27 49.5 +0.5
JAR	Ashorobuto	2.60 337	eS	12 28 18.6 -0.9
JNK	Nakash	2.70 353	Op Pn	12 27 50.8 +0.5
JNK	Nakash	2.70 353	eS	12 28 20.0 +1.3
JBT2	Bitori 2	2.80 313	Op Pn	12 27 55.5 +1.3
JANG	Nango	2.81 260	Op Pn	12 27 51.4 -0.4
JANG	Nango	2.81 260	eS	12 28 21.8 -2.7
JFR	Furan	2.95 321	Op Pn	12 27 55.0 +1.3
JFR	Furan	2.95 321	eS	12 28 27.0 -1.0
JOT	Ohta	3.13 280	Op Pn	12 27 58.7 +0.6
JOT	Ohta	3.13 280	eS	12 28 30.6 -1.7
JTKR	Abashiri-Toko	3.20 344	Op Pn	12 27 58.8 +1.7
JTKR	Abashiri-Toko	3.20 344	eS	12 28 34.8 +0.8
JKB	Kayabe	3.24 289	Op Pn	12 27 58.7 +1.0
JKB	Kayabe	3.24 289	eS	12 28 33.3 +1.0
JOM	Ohasama	3.27 245	Op Pn	12 27 58.8 +1.7
JOM	Ohasama	3.27 245	eS	12 28 33.3 -2.6
JEW	Eniwo	3.37 306	Op Pn	12 28 38.8 +0.6
JMK	Ichinoseki	3.59 328	Op Pn	12 28 02.6 +0.2

IDC 16 12:37:23.1±1.9,1.47°N,127.06°E,h0km,mb3.7/4, mb1.3/4,mb1.6/3,mb1.6/3,mb3.7/4, Error ellipse: s-maj=180.4km s-min=20.6km az=67.0

DJA 16 12:37:32.1±1.5,1.1°N,5.12°E,1.1,h23km±8km,M3.4/4, MLV3.4/4

ISC 16 12:37:25.6±1.4,1.3N,0.2,126.6E,0.2,h10km,n6,e152/7, mb3.8/4,Northern Molucca Sea

Code	Station Name	Δ° AZ'	Phase ID	Time Res
TNTI	Ternate	0.96 122	Op Pn	12 37 57.2 +2.1
TNTI	Ternate	0.96 122	S	12 37 57.7 +0.2
LBMI	Labuha	1.23 154	Op Pn	12 38 08.2 +1.6
LBMI	Labuha	1.23 154	Sg	12 38 33.0 -1.3
WRA	Warramunga Arr	22.44 161	Op Pn	12 42 24.1 -0.8
ASAR	Alice Springs	25.82 164	Op Pn	12 42 56.4 -0.8
ASAR	Alice Springs	25.82 164	P	12 42 56.4 -0.8
MKAR	Makanchi Array	59.46 326	Op Pn	12 47 29.2 +0.5
KURBS	Kuratsatov Arr	94.86 326	Op Pn	12 47 56.7 -0.5
KURBS	Kuratsatov Arr	94.86 326	P	12 47 56.7 -0.5

IDC 16 12:38:56.5±0.5,7.84°N,37.24°W,h0km,mb4.0/23, mb1.4/22,mb1mx4.0/64,mbtmp4.0/24,ML4.6/1,MS4.4/51, MS1.4/4/51,ms1mx4.0/64,Error ellipse: s-maj=19.0km s-min=1.7km az=135.0

MOS 16 12:38:58.3±1.6,7.48°N,36.43°W,h10km,mb4.9/28, MS4.4/5, Error ellipse: s-maj=13.1km s-min=10.2km s-min=1.0g

ISCJUB 16 12:38:58.7±0.3,7.13°N,0.05,36.73°W,0.06,h10km, mb4.6/128,MS4.5/60, Error ellipse: s-maj=8.8km s-min=7.4km az=153.3

NEIC 16 12:39:00.8±0.3,7.45°N,36.55°W,h10km,mb4.9/94, Error ellipse: s-maj=10.5km s-min=7.2km az=201.0

GCMT 16 12:39:02.8±0.2,7.73°N,0.01,37.19°W,0.01,h16km, MW5.3/124, Moment Tensor Solution. s32,128; s124,209; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn=0.00±0.03; Mw=0.15±0.02; Mxx=0.15±0.03; Mxy=0.21±0.07; Myx=1.32±0.02; Myy=0.14±0.07; Best double couple: M1.35200±0.1017, M2.2730000±0.3850000°, 1.71,0000°, NP2±0.4,00000°; 881.00000°; A±228.0000°; N -0.0370, Plg0.0000°, Azm63.0000°; P -1.3330, Plg3.0000°, Azm319.0000°; nstata refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

BUJ 16 12:39:06.1,7.10°N,38.10°W,h10km,mb5.4/1

ISC 16 12:39:00.2±0.4,7.35°N,0.06,36.6

PLCA	Paso Flores	22.59 110	P	P	13 29 45.5	-0.1
PLCA	Paso Flores	22.59 110	LR	LR	13 36 27.8	
PLCA	Paso Flores	22.59 110	eP	P	13 29 45.9	+0.3
GO09	Cerro Castillo	24.16 137	eP	P	13 30 00.8	-0.3
GO09	Tololo Observa	24.26 84	eP	P	13 30 03.6	+1.2
LCO	Las Campanas	24.79 81	eP	P	13 30 05.7	-1.7
LCO	Las Campanas	24.79 81	eP	P	13 30 05.7	-1.7
GO10	Punta Arenas	25.76 140	PFAKE	LR	13 30 30.0	+1.4
PB04	IPOC Station P	28.57 69	PFAKE	LR	13 30 50.0	+8.7
LVC	Limon Verde	29.35 71	eP	P	13 30 46.5	-1.9
LVC	Limon Verde	29.35 71	eP	P	13 30 46.5	-1.9
TRQA	Tornquist	29.37 105	eP	P	13 30 47.4	-0.7
PB11	IPOC Station P	30.48 65	eP	P	13 30 56.3	-2.0
MNMC	Minye Minye	30.92 64	eP	P	13 31 00.9	-1.4
NNA	Nana	31.34 45	LR	LR	13 30 42.5	
EFI	East Falkland	32.68 131j	eP	P	13 31 17.1	0.0
RKT	Rikitea	33.75 283	eS	S	13 36 47.7	-2.2
RKT	Rikitea	33.75 283	eLQ	LQ	13 38 52.5	
RKT	Rikitea	33.75 283	eLR	LR	13 40 16.4	
LPAZ	La Paz	33.83 62	P	P	13 31 28.6	+0.4
LPAZ	La Paz	33.83 62	P	P	13 31 28.6	+0.4
LPAZ	La Paz	33.83 62	eP	P	13 31 28.6	+0.4
ATAH	Atahualpa	34.57 38	P	P	13 31 35.0	+0.6
PMSA	Palmer Station	35.25 155	LR	LR	13 42 02.0	
PAYG	Puerto Ayora	36.35 15	PFAKE	LR	13 32 00.0	+1.1
CPUP	Villa Florida	36.66 86	P	P	13 31 50.4	-1.4
CPUP	Villa Florida	36.66 86	eP	P	13 31 51.4	-0.4
OTAV	Otavalo	41.04 32	eP	P	13 32 30.3	+1.3
OTAV	Otavalo	41.04 32	eP	P	13 32 30.3	+1.3
OTAV	Otavalo	41.04 32	eP	P	13 32 30.3	+1.3
TUMC	Tumaco	42.35 31	PFAKE	LR	13 32 50.0	+1.1
SAML	Samuel	42.37 59	eP	P	13 32 38.5	-1.0
SAML	Samuel	42.37 59	eP	P	13 32 38.5	-1.0
SAML	Samuel	42.37 59	eP	P	13 32 38.5	-1.0
TBI	Tubuai	45.24 272	eS	S	13 39 39.7	-2.5
TBI	Tubuai	45.24 272	eLQ	LQ	13 43 40.4	
TBI	Tubuai	45.24 272	eLR	LR	13 45 38.7	
PRAC	Prado	45.71 35	PFAKE	LR	13 33 20.0	+1.4
TAOE	Nuku Hiva Isla	46.32 296	eS	S	13 39 56.3	-1.9
TAOE	Nuku Hiva Isla	46.32 296	eLQ	LQ	13 44 13.1	
TAOE	Nuku Hiva Isla	46.32 296	eLR	LR	13 46 08.5	
ROSC	Ei Rosal	46.97 35	P	P	13 33 17.9	+1.3
ROSC	Ei Rosal	46.97 35	P	P	13 33 17.9	+1.3
TIAR	Tiarei	48.11 279	eT	T	14 24 15.4	
JTS	JuntasAbangare	48.18 19	LR	LR	13 48 40.8	
PPT2	Papeete2	48.27 279	eS	S	13 40 21.2	-4.7
PPT2	Papeete2	48.27 279	eLQ	LQ	13 44 57.3	
PPT2	Papeete2	48.27 279	eLR	LR	13 46 50.7	
PPT	Papeete	48.28 279	LR	LR	13 48 13.3	
RUSC	La Rusia	48.47 35	eP	P	13 33 28.5	+0.2
RUSC	La Rusia	48.47 35	eP	P	13 33 28.5	+0.2
BCIP	Isla Barro Col	48.67 25	PFAKE	LR	13 33 40.0	+1.1
BDFB	Brasilia	49.56 79	P	P	13 33 35.6	-0.8
BDFB	Brasilia	49.56 79	P	P	13 32 33.3	
PTGA	Pitinga	50.54 55	P	P	13 33 42.0	-1.6
PTGA	Pitinga	50.54 55	P	P	13 33 42.7	-0.9
ESTN	Estel	50.55 16	PFAKE	LR	13 34 00.0	+1.6
SNET	Serv Nac Est T	50.56 12	PFAKE	LR	13 34 00.0	+1.6
TGUH	Teguicigalpa,Un	51.28 15	PFAKE	LR	13 34 00.0	+1.1
SDV	Santo Domingo	52.24 36	PFAKE	LR	13 34 10.0	+1.3
QSPA	South Pole Qui	53.91 180	P	P	13 34 06.9	-1.4
RAR	Rarotonga	54.60 268	LR	LR	13 51 56.8	
SBA	Scott Base	55.72 195	eP	P	13 34 25.2	+4.2
SBA	Scott Base	55.72 195	eP	P	13 34 25.2	+4.2
VNA3	Neumayer Olymp	55.86 157	P	P	13 34 20.7	-1.4
PCRV	Puerto La Cruz	56.39 42	P	P	13 34 24.8	-1.8
PCRV	Puerto La Cruz	56.39 42	P	P	13 37 01.0	
VNA1	Neumayer-Stat	56.45 156	P	P	13 34 25.2	-1.0
VNDA	Vanda	56.82 195	P	P	13 34 31.9	+3.1

VNDA	Vanda	56.82 195	eP	P	13 34 32.7	+3.8
VNDA	Vanda	56.82 195	P	P	13 34 32.0	+3.1
MYIG	Morida	57.61 10	PFAKE	LR	13 34 50.0	+1.5
SNA	Sanas	57.85 158	P	P	13 34 34.5	-1.8
SNA	Sanas	57.85 158	P	P	13 34 34.5	-1.8
SNA	Sanas	57.85 158	eP	P	13 34 34.7	-1.6
SNA	Sanas	57.85 158	eP	P	13 34 34.7	-1.6
MTDJ	Mount Denham	57.89 24	PFAKE	LR	13 34 50.0	+1.3
ZAIG	Zacatecas	58.85 356	PFAKE	LR	13 35 00.0	+1.6
GRGR	Grenville	59.63 43	PFAKE	LR	13 35 00.0	+1.1
SVB	Belmont	60.79 43	PFAKE	LR	13 35 10.0	+1.3
SDD	Santo Domingo	60.99 32	PFAKE	LR	13 35 10.0	+1.2
LPIG	La Paz	61.04 348	LR	LR	13 54 20.0	
BBGH	Gun Hill	61.63 45	PFAKE	LR	13 35 20.0	+1.7
CRPR	Cabo Rojo, PR	61.83 35	PFAKE	LR	13 35 20.0	+1.6
ICMP	Isla Caja de M	62.00 35	PFAKE	LR	13 35 20.0	+1.4
DFD	Fort de France	62.05 42	PFAKE	LR	13 35 20.0	+1.5
SJG	San Juan	62.37 36	LR	LR	13 59 29.5	
EMPR	Esperanza - Ma	62.51 35	PFAKE	LR	13 35 20.0	+1.1
CUPR	Culebra, Puert	62.95 36	PFAKE	LR	13 35 20.0	+8.4
GDHS	Morne Mazeau,	62.99 41	PFAKE	LR	13 35 20.0	+8.0
SABA	Saba	63.36 38	PFAKE	LR	13 35 30.0	+1.6
SEUS	St. Eustatius	63.39 39	PFAKE	LR	13 35 30.0	+1.5
SMRT	St. Maarten	63.81 38	PFAKE	LR	13 35 30.0	+1.3
BFZ	Birch Farm	64.01 237	PFAKE	LR	13 35 30.0	+1.1
061Z	Ochoppi	64.13 18	PFAKE	LR	13 35 30.0	+1.1
ANWB	Willy Bob	64.14 40	PFAKE	LR	13 35 30.0	+1.0
URZ	Urewera	64.51 240	LR	LR	13 56 08.0	
SNZO	South Karori	64.77 236	PFAKE	LR	13 35 30.0	+6.5
RCBR	Riachuelo	64.91 78	PFAKE	LR	13 35 40.0	+1.5
059A	Moore Haven	65.13 17	PFAKE	LR	13 35 40.0	+1.4
060A	Indiantown	65.39 18	PFAKE	LR	13 35 40.0	+1.3
TXAR	Lajitas Array	65.44 355	P	P	13 35 27.9	+0.1
TXAR	Lajitas Array	65.44 355	P	P	13 35 28.0	+0.1
TXAR	Lajitas Array	65.44 355	eP	P	13 35 27.9	0.0
OXX	Oxford	65.61 233	PFAKE	LR	13 35 40.0	+1.1
HIZ	Haiti	65.96 239	PFAKE	LR	13 35 40.0	+8.7
HKT	Hockley	65.97 3	eP	P	13 35 33.0	+1.9
DWPF	Disney Wildern	66.16 17	PFAKE	LR	13 35 40.0	+7.6
JCT	Junction City	66.44 359	eP	P	13 35 34.7	+0.5
JCT	Junction City	66.44 359	eP	P	13 35 34.7	+0.5
656A	Williston	67.12 16	PFAKE	LR	13 35 50.0	+1.1
447A	Lucedale	67.44 10	PFAKE	LR	13 35 50.0	+9.5
658A	Bunnell	67.46 17	PFAKE	LR	13 35 50.0	+9.3
555A	McAlpin	67.76 15	PFAKE	LR	13 35 50.0	+7.5
MNTX	Cornudas Moun	67.92 354	eP	P	13 35 44.1	+0.5
346A	Big Creek Wild	67.92 9	PFAKE	LR	13 36 00.0	+1.6
319A	Douglas	68.02 350	eP	P	13 35 46.9	+2.6
BRAL	Brewton	68.04 11	PFAKE	LR	13 36 00.0	+1.6
348A	Jackson	68.15 10	PFAKE	LR	13 36 00.0	+1.5
241A	Mo Tay, Goldon	68.16 269	LR	LR	13 59 20.0	
352A	Blakely	68.70 13	PFAKE	LR	13 36 00.0	+1.2
TIGA	Tifton	68.91 14	PFAKE	LR	13 36 00.0	+1.0
250A	Grady	68.95 12	PFAKE	LR	13 36 00.0	+1.0
TUC	Tucson	69.16 349	eP	P	13 35 52.8	+1.4
TUC	Tucson	69.16 349	eP	P	13 35 52.8	+1.4
146A	Union	69.20 9	PFAKE	LR	13 36 00.0	+8.5
147A	Livingston	69.34 10	PFAKE	LR	13 36 00.0	+7.6

147A	Winona	69.85 8	PFAKE	LR	13 36 10.0	+1.4
LRLAL	Lakeview Retre	69.88 11	PFAKE	LR	13 36 10.0	+1.4
152A	Waverly Hall	69.89 13	eP	P	13 35 55.6	-0.2
257A	Skidaway Islan	69.96 16	PFAKE	LR	13 36 10.0	+1.4
MSTX	Muleshoe	70.00 357	eP	P	13 35 57.7	+1.1
113A	Mohawk Valley,	70.10 347	PFAKE	LR	13 36 10.0	+1.3
Z50A	Ashland	70.26 12	PFAKE	LR	13 36 10.0	+1.2
Y49A	Blount Mountai	70.77 11	PFAKE	LR	13 36 10.0	+8.8
GOGA	Godfrey	70.85 14	PFAKE	LR	13 36 10.0	+8.4
AMTX	Amarillo	70.87 358	eP	P	13 36 02.0	+0.1
AMTX	Amarillo	70.87 358	P	P	13 36 03.4	+1.5
OXF	Oxford	71.01 8	PFAKE	LR	13 36 10.0	+7.4
Y14A	Wickenburg	71.11 348	PFAKE	LR	13 36 20.0	+1.7
Y52A	Lilburn	71.17 13	PFAKE	LR	13 36 20.0	+1.6
X18A	Snowflake	71.22 350	eP	P	13 36 06.7	+2.6
ANMO	Albuquerque	71.23 353	P	P	13 36 05.3	+1.1
ANMO	Albuquerque	71.23 353j	P	P	13 36 05.7	+1.5
NHSC	New Hope	71.24 17	PFAKE	LR	13 36 20.0	+1.6
X48A	Hartselle	71.26 10	PFAKE	LR	13 36 20.0	+1.6
X16A	Lo Mia Camp,	71.32 349	eP	P	13 36 06.0	+1.2
W40A	Ferguson Farm,	71.34 5	PFAKE	LR	13 36 20.0	+1.5
FRD	Ford Ranch, an	71.38 344	P	P	13 36 07.4	+2.4
W41B	Gary Mavity, V	71.39 6	eP	P	13 36 05.8	+0.9
PFO	Pinyon Flats O	71.46 345	eP	P	13 36 08.3	+2.8
PFO	Pinyon Flats O	71.46 345	eP	P	13 36 08.3	+2.8
BELC	Belle Mtn. Jos	71.74 345	P	P	13 36 09.7	+2.5
HODGE	Hodges	71.88 14	PFAKE	LR	13 36 20.0	+1.2
HBAR	Harrisburg	71.91 7	PFAKE	LR	13 36 20.0	+1.2
W47A	Westpoint	71.97 10	P	P	13 36 09.8	+1.5
W49A	Belvidere	72.03 11	P	P	13 36 10.7	+1.9
JSC	Jenkinsville	72.13 15	eP	P	13 36 10.6	+1.2
JSC	Jenkinsville	72.13 15	eP	P	13 36 10.6	+1.2

16d 13h

2012 AUG

800

Table with columns: Station ID, Name, Time, Frequency, Mode, and other details. Includes stations like S39A Bolivar, CNCC Cliffs of the, TZTN Tazewell, etc.

Table with columns: Station ID, Name, Time, Frequency, Mode, and other details. Includes stations like RYN comp=Z,700nm,22.0s, CBN Corbin Frederi, KKO Keanakako'i, etc.

Table with columns: Station ID, Name, Time, Frequency, Mode, and other details. Includes stations like HLID comp=Z,32nm,1.2s, HLID comp=Z,400nm,21.0s, DZM Mont Dumac, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like ASF, ZEA, INCN, KLMR, KULM, OBN, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Includes stations like PDA, Cedros, CALA, PCAN, PICO, ROSA, etc.

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

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like TWM1 Shoushan, SGLT Jiouru, MASBT Mashbululo, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like KURBB Kurchatov Arra, WRA Warramunga Arr, BVAR Borovoye Array, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes islands like JMA 16:17:59:40.6:0.3,28:41N:140:53E, MAN 16:27:33.4,13:23N:120:09E, etc.

ISCJB 16 19:54:56.9,0.6,37.33N,0.04,37.10E,0.05,h6km,7km,
 Error ellipse: s-maj=9.4km s-min=4.5km az=42.0
 DDA 16 19:54:56.7,37.45N,37.19E,h7km,ML2.7
 ISK 16 19:54:56.2,37.33N,37.10E,h5km,ML1.8/8
 ISC 16 19:54:56.5,1.1,37.37N,0.04,37.14E,0.03,h6km,10km,
 n13,c085/19,Turkey

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
GAZ	Gaziantep	0.20	165	PG	SG	19 55 00.4	-0.2
GAZ		0.20	165	SG	SG	19 55 03.3	0.0
KMRS	Kahramanmaraş	0.24	305	PG	SG	19 55 01.6	+0.4
KMRS		0.24	305	SG	SG	19 55 04.9	+0.5
KUZU	Kuzuini	0.60	185	P	S	19 55 08.2	+0.2
KUZU		0.60	185	S	Sb	19 55 20.1	+2.0
ANDN	Andirin	0.67	289	P	S	19 55 09.3	-0.2
ANDN		0.67	289	S	Sb	19 55 20.9	+0.7
SAIM	ADANA	1.04	306	P	Pg	19 55 16.2	-0.2
SARI	SarDiz-Kayseri	1.19	331	PN	PN	19 55 19.7	-0.1
DARE	Darende-Malatya	1.23	112	PN	PN	19 55 21.1	+0.8
TAHT	Tahtaköprü-Hat	1.25	118	PN	PN	19 55 19.7	-0.9
SURC	SANLIURFA_SURC	1.27	112	P	PN	19 55 20.3	-0.5
SURC		1.27	112	S	PN	19 55 38.3	+0.1
SANL	SANLIURFA_Merk	1.48	97	P	Pg	19 55 24.9	-0.1
SANL		1.48	97	S	SG	19 55 45.5	+1.2
YAYL	Yayladag	1.57	212	PN	PN	19 55 25.2	+0.2
BNN	Bunyan	1.80	326	PN	Pb	19 55 28.9	+1.1
SVRC	Sirvice-ELAZID	1.99	59	PN	Pb	19 55 31.9	-1.2

NNC 16 20:02:33.6,4.6,37.36N,70.90E,h0km,mb3.9,mpv3.6,
 2C-4D, Error ellipse: s-maj=37.1km s-min=28.1km
 az=163.0, Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
SFK	Sufi-Kurgan	3.34	37	UP	ISC	20 03 27.3	0.0
SFK		3.34	37	ISC	ISC	20 04 09.0	+1.1
MNAS	Manas	5.27	13	UP	Pn	20 03 54.6	+0.9
MNAS		5.27	13	ISC	ISC	20 04 57.0	+1.7
KK31	Karalay Array	5.75	357	UP	Pn	20 04 01.8	+1.6
KK31		5.75	357	ISC	ISC	20 05 09.3	+2.5
AAK	Ala-Archa	5.95	26	P	Pn	20 04 02.1	-0.9
AAK		5.95	26	ISC	ISC	20 05 10.2	-1.8
AB31	Akbulak array	14.30	330	P	Pn	20 05 56.0	-1.3

ATH 16 20:09:38.0,38.29N,22.12E,h9km,2km,ML1.1/7, Error
 ellipse: s-maj=2.7km s-min=0.8km az=339.0, Greece

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
TRIZ	Trizonia	0.08	335	Op	ISC	20 09 39.7	-0.5
TRIZ		0.08	335	P	SG	20 09 42.2	+0.4
TRIZ		0.08	335	S	SG	20 09 39.7	-0.5
TRIZ		0.08	335	P	Pg	20 09 41.7	-0.1
KALE	Kalitheia	0.10	10	P	Pg	20 09 40.4	-0.1
KALE		0.10	10	AML	AML	20 09 42.5	+1.1
KALE		0.10	10	S	SG	20 09 42.6	+0.3
KALE		0.10	10	AML	AML	20 09 42.9	+0.3
KALE		0.10	10	P	Pg	20 09 40.5	0.0
KALE		0.10	10	S	SG	20 09 42.5	+0.1
KALE		0.10	10	AML	AML	20 09 42.5	+0.1
KALE		0.10	10	AML	AML	20 09 42.9	+0.3
LAKA	Lakka	0.12	245	P	Pg	20 09 40.8	+0.1
LAKA		0.12	245	S	SG	20 09 42.7	-0.1
LAKA		0.12	245	AML	AML	20 09 43.1	+0.1
LAKA		0.12	245	AML	AML	20 09 43.3	+0.1
LAKA		0.12	245	P	Pg	20 09 40.7	-0.1
LAKA		0.12	245	S	SG	20 09 42.3	0.0
LAKA		0.12	245	AML	AML	20 09 45.8	+0.5
LAKA		0.12	245	AML	AML	20 09 46.5	+0.5
LAKA		0.12	245	AML	AML	20 09 47.1	+0.5
LAKA		0.12	245	AML	AML	20 09 47.1	+0.5
LAKA		0.12	245	P	Pg	20 09 42.3	0.0
LAKA		0.12	245	AML	AML	20 09 46.5	+0.5
LAKA		0.12	245	S	SG	20 09 46.9	+1.5
LAKA		0.12	245	AML	AML	20 09 47.1	+1.5
LAKA		0.12	245	P	Pg	20 09 42.7	-0.3
LAKA		0.12	245	S	SG	20 09 46.6	+0.2
LAKA		0.12	245	AML	AML	20 09 48.0	+0.2
LAKA		0.12	245	AML	AML	20 09 48.2	+0.2
LAKA		0.12	245	P	Pg	20 09 42.5	-0.5
LAKA		0.12	245	S	SG	20 09 47.2	+0.8
LAKA		0.12	245	AML	AML	20 09 48.0	+0.8
LAKA		0.12	245	AML	AML	20 09 48.2	+0.8
LAKA		0.12	245	P	Pg	20 09 44.8	0.0
LAKA		0.12	245	S	SG	20 09 50.1	+0.8
LAKA		0.12	245	AML	AML	20 09 51.1	+0.8
LAKA		0.12	245	AML	AML	20 09 51.1	+0.8
LAKA		0.12	245	P	Pg	20 09 44.7	-0.1
LAKA		0.12	245	S	SG	20 09 50.5	+1.1
LAKA		0.12	245	AML	AML	20 09 51.1	+1.1
LAKA		0.12	245	AML	AML	20 09 51.1	+1.1
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0.12	245	P	Pg	20 09 45.9	+0.2
LAKA		0.12	245	S	SG	20 09 51.6	+0.6
LAKA		0.12	245	AML	AML	20 09 52.4	+0.6
LAKA		0					

SNF	Seneffe	3.19 208	PN	Pn	20 31 23.4 +1.3
BMRD	Maredsous	3.26 201	PN	Pn	20 31 23.7 +0.6
VITZ	Vitrozou	3.26 138	ePn	Pn	20 31 24.2 +1.1
VLTZ			eSn	Pn	20 31 24.4 -1.2
LKLB	Kalbom	3.27 186	PN	Pn	20 31 24.2 +1.0
RCHB	Rochefort	3.31 196	PN	Pg	20 31 23.5 +6.2
RCHB			PG	Pg	20 31 23.9 +0.1
RCHB			PN	Pg	20 31 41.4 +7.2
RCHB			SG	Sg	20 32 04.0 +0.2
RCHB	comp=E,83nm,1.1s		SN	Sg	20 32 19.1 +2.0
RCHB			PN	Pn	20 31 23.9 +0.1
TNS	Tausun Mts	3.33 159	ePn	Pn	20 31 25.2 +1.1
TNS			eSn	Pn	20 32 03.8 -0.5
TNS			PN	Pn	20 31 26.3 +1.4
BBOU	Bougnyes	3.40 210	PN	Pg	20 31 21.1 +5.4
BBOU			PG	Sg	20 32 23.6 +3.8
BBOU			SG	Sg	20 31 26.3 +1.0
LVIA	Vianen	3.43 185	PN	Pg	20 31 39.8 +3.4
LVIA			PG	Pg	20 32 04.2 -2.5
LVIA			SN	Sg	20 31 26.4 +0.9
GIVF	Givet	3.44 200	ePn	Pn	20 32 21.0 -0.1
GIVF			eSg	Pn	20 31 25.3 -0.2
MUD	Monsted U'grnd	3.44 24	P	Pn	20 31 26.6 +1.1
MUD	Monsted U'grnd	3.44 24	P	Pn	20 31 26.6 +1.1
DOU	Dourbes	3.49 202	PN	Pg	20 31 27.2 +1.0
DOU			PG	Pg	20 31 42.5 +3.3
DOU			SN	Sb	20 32 01.8 -6.5
DOU			SG	Sb	20 32 18.2 +1.9
WIMM	Wimmelburg	3.50 120	ePn	Pn	20 31 27.6 +1.2
WIMM			SN	Pn	20 32 06.0 -2.5
BAIF	Baives	3.62 205	ePn	Pn	20 31 29.0 +1.0
BAIF			eSn	Pn	20 32 09.9 -1.5
BAIF			eSg	Sg	20 32 27.4 +0.4
BAIF	comp=N,147nm,0.7s		P	Pn	20 31 29.3 +1.3
BAIF			SN	Pn	20 32 09.0 -2.4
WACR	West Acre	3.67 263	eP	IAML	20 31 30.3 +1.6
WACR			IAML	IAML	20 32 16.9
WACR	comp=E,80nm,0.6s		IAML	IAML	20 32 38.8
WLF	Walferdange	3.70 185	PN	Pn	20 31 30.2 +1.1
WLF			PN	Pg	20 31 42.1 +0.5
WLF			PG	Pg	20 32 12.8 +0.6
WLF			SG	Sg	20 32 29.5 0.0
WLF	comp=E,110nm,0.8s		PN	Pn	20 31 30.2 +1.1
WLF			ePn	Pn	20 31 30.2 +1.1
WLF			ePn	Pn	20 31 30.2 +1.1
ELSH	Elham, Stander	4.03 239	eP	Pn	20 31 35.0 +1.4
ELSH	Elham, Stander	4.03 239	eP	Pn	20 31 35.0 +1.4
ELSH			IAML	IAML	20 32 52.8
ELSH	comp=N,114nm,0.4s		IAML	IAML	20 33 00.5
MOX	Moxa	4.11 129	P	Pn	20 31 35.2 +0.5
COP	Copenhagen	4.12 53	iP	Pn	20 31 35.8 +1.0
COP	Copenhagen	4.12 53	eP	Pn	20 31 35.8 +1.0
RGN	Rugen	4.14 70	ePn	Pn	20 31 36.1 +1.1
LMK	Market Rasen	4.16 274	ePn	Pn	20 31 37.1 +1.7
LMK	Market Rasen	4.16 274	ePn	Pn	20 31 37.1 +1.7
LMK			IAML	IAML	20 32 53.7
LMK	comp=E,154nm,0.4s		IAML	IAML	20 33 09.6
CLL	Collin	4.41 115	ePn	Pn	20 31 40.6 +1.7
CLL	Collin	4.41 115	ePn	Pn	20 31 39.7 +0.8
CLL	Collin	4.41 115	ePn	Pn	20 31 40.0 +1.1
CLL			e	Pg	20 31 47.0
CLL			ePn	Pg	20 32 05.0 +1.0
CLL			eSn	Pg	20 32 06.0 -5.0
CLL			e	Pg	20 32 39.0
CLL			eSg	Sg	20 33 00.0 +7.6
CLL	comp=Z,37nm,0.9s		eP	Pn	20 31 40.0 +1.1
CLL			e	Pn	20 32 26.0
SCHF	Schoenfels	4.46 125	ePn	Pn	20 31 41.3 +1.7
GDLE	Glaisdale, N Y	4.53 287	eP	SN	20 31 42.2 +1.7
GDLE			eS	SN	20 32 33.3 -0.5
GDLE			IAML	IAML	20 32 38.4
GDLE	comp=N,169nm,0.4s		IAML	IAML	20 32 41.4
GDLE	comp=E,118nm,0.4s		IAML	IAML	20 32 41.4
LUNU	Lund	4.59 57	P	PN	20 31 41.4 +0.1
LUNU			S	PN	20 32 32.0 -3.3
BJUU	Bjuv	4.61 51	P	PN	20 31 41.7 +0.2
BJUU			S	SN	20 32 31.5 -4.2
GRF	Grafenberg Arr	4.65 140	ePn	Pn	20 31 44.1 +1.9
GRFO	Grafenberg	4.65 140	ePn	Pn	20 31 45.2 +3.0
GRFO			eP	Pn	20 31 45.2 +3.0
TANN	Tannenbergscha	4.86 127	ePn	Pn	20 31 43.1 +1.5
WERN	Wernitzgrun	4.70 128	ePn	Pn	20 31 44.8 +1.9
NKC	Novy Kostel	4.78 128	ePn	SN	20 31 45.6 +1.7
NKC			eSn	SN	20 32 38.1 -1.8
NKC			AMS	AMS	20 34 00.0
NKC	comp=E,300nm,7.5s		eP	PN	20 31 45.6 +1.7
NKC			e	MLR	20 32 38.1
NKC			MLR	MLR	20 31 45.7 +1.2
CWF	Charwood Fore	4.83 266	ePn	PN	20 31 45.7 +1.2
CWF	Charwood Fore	4.83 266	eP	PN	20 31 45.7 +1.2
CWF			IAML	IAML	20 32 41.4
CWF	comp=E,33nm,0.5s		IAML	IAML	20 32 48.7
CWF	comp=N,27nm,0.4s		IAML	IAML	20 32 48.7
PAGF	Fort de Pagny	4.83 187	ePn	PN	20 31 45.6 +0.9
PAGF			eSg	Sg	20 33 04.4 -1.5
STU	Stuttgart	4.86 159	ePn	PN	20 31 46.0 +0.9
STU	Stuttgart	4.86 159	eP	PN	20 31 46.0 +0.9
HPK	Haverah Park	4.94 280	eP	PN	20 31 47.4 +1.2
HPK			IAML	IAML	20 32 47.8
HPK	comp=N,122nm,0.4s		IAML	IAML	20 32 52.5
MEZF	Maizieres J'vi	4.95 192	ePn	PN	20 31 46.5 +0.2
MEZF			eSg	Sg	20 33 08.5 -1.2
MEZF	comp=E,114nm,0.8s,baz=6.3		eSg	Sg	20 33 08.5 -1.2
CDF	Champ du Feu	4.96 175	ePn	PN	20 31 46.8 +0.3
CDF			eSg	Pn	20 33 07.8 -2.2
LWBW	Ladybower, 7s	5.00 274	eP	SN	20 31 48.2 +1.2
LWBW			eS	SN	20 32 43.0 -2.3
LWBW			IAML	IAML	20 33 04.5
LWBW	comp=E,67nm,0.4s		IAML	IAML	20 33 23.9
LWBW	comp=N,71nm,0.4s		IAML	IAML	20 33 23.9
SNART	Snartemo	5.01 4	eP	PN	20 31 47.6 +0.5
SNART			eS	SN	20 32 42.4 -3.2
SNART			IAML	IAML	20 32 48.8
HOMB	Homborsund	5.05 11	eP	PN	20 31 48.4 +0.8
HOMB			eS	PN	20 32 43.9 -2.5
HOMB			IAML	IAML	20 32 45.5
BFO	Black Forest	5.14 167	ePn	PN	20 31 49.6 +0.7
BFO			eSn	PN	20 32 45.3 -3.6
BFO	Black Forest	5.14 167	ePn	PN	20 31 49.0 +0.1
BFO	Black Forest	5.14 167	eP	PN	20 31 49.7 +0.7
BRG	Berggiesshubel	5.15 116	PN	Pg	20 31 50.6 +1.6
BRG			PG	Pg	20 32 17.6 +8.4
BRG			PG	Pg	20 33 14.2
BRG	Berggiesshubel	5.15 116	SG	Sg	20 33 25.5 +1.0
BRG	Berggiesshubel	5.15 116	ePn	PN	20 31 50.5 +1.6
BRG			eSn	PN	20 32 45.3 -3.7
BRG			P	PN	20 31 50.5 +1.6
BRG	Echery	5.15 176	eP	PN	20 31 49.1 0.0
ECH	Echery	5.15 176	eP	PN	20 31 49.1 0.0
WOL	Wolverton	5.22 250	eP	PN	20 31 51.5 +1.4
SFTF	Sextfontaines	5.25 192	ePn	PN	20 31 50.5 +0.1
SFTF			eSg	Sg	20 33 18.2 -1.0
SFTF	comp=N,27nm,0.5s		eSg	Sg	20 31 51.6 +1.0
EDMD	Edmundbyers	5.27 290	eP	SN	20 31 51.6 +1.0
EDMD			eS	SN	20 32 48.4 -3.6

EDMD	comp=N,61nm,0.4s		IAML	IAML	20 32 51.5
EDMD			IAML	IAML	20 32 52.6
STNC	Stoke	5.31 271	eP	PN	20 31 52.7 +1.5
STNC			IAML	IAML	20 32 55.7
STNC	comp=N,104nm,0.5s		IAML	IAML	20 32 58.8
STNC			IAML	IAML	20 32 58.8
SSW	Stow on the Ws	5.34 258	eP	PN	20 31 53.2 +1.6
HAU	Haudompre	5.35 182	ePn	PN	20 31 52.0 +0.2
HAU			eSg	PN	20 33 18.3 -4.3
SWN	Swindon	5.47 254	eP	PN	20 31 54.6 +1.2
TJOU	Tjoern	5.48 29	P	PN	20 31 53.8 +0.3
TJOU			S	PN	20 32 52.4 -4.7
HNF	Hinterfeld	5.54 178	ePn	PN	20 31 53.5 -0.9
HNF			eSg	PN	20 33 26.5 -2.1
STRD	Stroud	5.59 257	eP	PN	20 31 56.2 +1.2
STRD			IAML	IAML	20 33 48.8
STRD	comp=N,118nm,0.8s		IAML	IAML	20 33 53.2
STRD			IAML	IAML	20 33 53.2
PVCC	Panska Vsa	5.67 117	ePn	PN	20 31 58.0 +1.9
PVCC	Panska Vsa	5.67 117	eP	PN	20 31 58.0 +1.9
HLM1	Long Mynd	5.81 266	eS	SN	20 31 59.0 +1.0
HLM1			eS	SN	20 33 02.2 -3.1
HLM1			IAML	IAML	20 33 07.3
HLM1	comp=N,40nm,0.4s		IAML	IAML	20 33 07.3
HLM1			IAML	IAML	20 33 07.3
KESW	Keswick, Cumb	5.88 286	eP	PN	20 31 59.8 +0.8
KESW			IAML	IAML	20 33 12.4
KESW	comp=N,30nm,0.5s		IAML	IAML	20 33 17.8
FOEL	Foel Wyfla	5.94 269	eP	PN	20 32 00.7 +0.9
FOEL			IAML	IAML	20 33 08.7
FOEL	comp=E,25nm,0.5s		IAML	IAML	20 33 14.4
FOEL	comp=N,59nm,0.4s		IAML	IAML	20 32 00.7 +0.9
MONM	Monmouth	5.94 259	eP	PN	20 32 00.7 +0.9
MONM			eS	PN	20 33 08.6 -2.1
MONM			IAML	IAML	20 33 08.6
MONM	comp=N,40nm,0.6s		IAML	IAML	20 33 15.5
MONM			IAML	IAML	20 33 15.5
PRU	Pruhonice	5.95 299	eP	PN	20 32 00.9 +0.9
VXJU	Vaesjoe	5.96 50	P	PN	20 32 00.8 +0.7
VXJU			S	PN	20 33 07.7 -4.3
PRU	Pruhonice	5.96 121	ePn	PN	20 32 01.6 +1.4
PRU			ex	x	20 32 34.8
PRU			ex	x	20 33 37.5
PRU			AMS	AMS	20 34 50.0
PRU	comp=N,300nm,5.6s		eP	PN	20 32 01.6 +1.4
PRU			MLR	MLR	20 32 01.6 +1.4
PRU	comp=Z,300nm,5.6s		P	PN	20 32 01.0 +0.4
VANU	Vaenersborg	6.00 29	P	PN	20 33 04.7 -5.1
VANU			S	PN	20 32 01.8 +1.0
MCH1	Michaelsch	6.01 261	eP	SN	20 33 07.5 -2.7
MCH1			eS	SN	20 33 14.9
MCH1	comp=E,38nm,0.6s		IAML	IAML	20 33 15.7
MCH1			IAML	IAML	20 33 15.7
HGH	Gray Hill	6.01 257	eP	PN	20 32 01.9 +1.1
EKA	Esksdalemuir Arr	6.06 293	ePn	PN	20 32 02.0 +0.5
EKA	comp=N,111,slow=14,SNR=173		SN	SN	20 33 08.3 -3.1
KHC	Kasperke Hory	6.07 131	ePn	PN	20 32 04.9 +3.1
KHC			ePn	PN	20 32 04.9 +3.1
KHC			eS	SN	20 33 10.5 -1.4
KHC			ex	x	20 33 44.1
KHC			ex	x	20 33 44.1
KHC	Kasperke Hory	6.07 131	ePn	PN	20 32 04.9 +3.1
KHC	Kasperke Hory	6.07 131	eP	PN	20 32 04.9 +3.1
KHC			IAML	IAML	20 33 17.0
ESK	Esksdalemuir	6.08 293	ePn	PN	20 32 01.9 +0.1
ESK	Esksdalemuir	6.08 293	eP	PN	20 32 02.5 +0.7
ESK			IAML	IAML	20 33 14.8
ESK	comp=E,23nm,0.4s		IAML	IAML	20 33 17.0
ESK	comp=N,20nm,0.5s		ePn	PN	20 32 01.9 +0.1
ESK	Esksdalemuir	6.08 293	eP	PN	20 32 01.8 0.0
BLEU	Blekinge	6.08 57	P	PN	20 32 06.3 -5.7
BLEU			S	PN	20 32 02.1 +0.2
BLEU	Blasjo	6.09 359	eP	SN	20 32 17.2
BLEU			eS	SN	20 32 17.2
BLEU			IAML	IAML	20 32 05.1 +2.5
GOPC	GO Pecny, Ondr	6.14 121	ePn	PN	20 32 05.1 +2.5
GOPC			AMS	AMS	20 34 50.0
GOPC	comp=Z,400nm,5.2s		ePn	PN	20 32 05.1 +2.5
GOPC					

16d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res ISC. Includes stations like NORSAR Array S, Kaliningrad, Veika Javorina, etc.

MAN 16 20:56:03.5, 9.19N; 123.27E, h7km, mb3.6, ML2.3, MS1.7, 3C, Negros

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res ISC. Includes stations like Sibulan, Dipolog City, Lapu-Lapu, etc.

AZER 16 21:00:19.8; 0.0, 38.52N; 46.71E, h10km, ml3.25, Error ellipse: s-maj=4.3km s-min=0.7km az=18.0

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

2012 AUG

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

ISCJB 16 21:02:07.1; 0.4, 6.23S; 0.04; 123.27E; 0.04, h10km, mb4.0/15, MS3.3/16, Error ellipse: s-maj=6.2km

ISC 16 21:02:07.4; 0.7, 6.11S; 123.47E, h0km, mb4.0/11, mb1.4/2.14, mb1mx3.9/57, mbtmp4, 1/14, ML4.13, MS3.3/20, Ms1.3/2.0, ms1mx3.1/58, Error ellipse: s-maj=35.4km

BUI 16 21:02:08.0, 6.20S; 123.30E, h10km, mb4.6/8, mB5.1/3, Ms4.7/1, Ms7.4/6.1

NEIC 16 21:02:12.4; 0.4, 6.19S; 123.47E, h35km, mb4.3/4, Error ellipse: s-maj=17.7km s-min=7.1km az=65.0

DJA 16 21:02:12.1; 0.9, 6.5S; 123.3E, h26km, mb4.3/16, mb4.0/7, mb4.2/6, MLV4.3/16, MW(mB)4.1/6

16 21:02:09.4; 0.5, 6.20S; 123.25E; 0.06, h10km, n57, s=158/46, mb4.2/15, MS3.3/16, Banda Sea

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

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

16 21:22:52.5; 1.0, 38.26N; 22.61E, h0km, mb3.5/9, mb1.3/6.12, mb1mx3.5/64, mbtmp3.6/12, ML3.3/2, MS2.8/3, Ms1.2.8/3, ms1mx2.3/46, Error ellipse: s-maj=18.5km

ATH 16 21:22:53.9, 38.28N; 22.55E, h24km, ML3.6/25, Error ellipse: s-maj=0.8km s-min=0.5km az=280.0

ISCJJB 16 21:22:54.0, 2.0, 38.28N; 0.01; 22.54E; 0.02, h20km, mb3.4/8, MS3.1/1, Error ellipse: s-maj=2.3km s-min=1.9km az=26.2

THE 16 21:22:54.5, 38.27N; 22.54E, h13km, ML3.5/8, Error ellipse: s-maj=0.6km s-min=0.2km az=322.0

ISC 16 21:22:54.3; 0.8, 38.25N; 0.01; 22.54E; 0.01, h14km, 5km, n164, s15/205, mb3.5/8, 11C-8D, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, Res ISC. Includes stations like Desfina, Delphi, Prodomos, Alik, Kalitheia, etc.

Table with columns: RLS, PVO, EVR, etc. and rows listing various stations and their coordinates and times.

Table with columns: VOIR, TLB, BLY, etc. and rows listing various stations and their coordinates and times.

Table with columns: NOA, ASAR, EKA, etc. and rows listing various stations and their coordinates and times.

JSO 16:22:36.02:7.4, 0.34°N:31°3'5'E:2.8, h56km, 103km, M3.5/4, MLV3.5/4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

ISC/JB 16:22:15:53.7:0.5, 17.47°N:04.80:86E:0.05, h10km, mb3.8/12, MS3.7/1, Error ellipse: s-maj=7.4km s-min=5.1km az=39.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

ISC 16:22:15:55.0:0.8, 17.41°N:80.57E, h0km, mb3.8/12, mb1.3/9.14, mb1mx3.6/7.1, mbtpm3.8/14, ML3.8/2, MS3.7/1, m1/1.3/7.1, m1mx2.4/4.4, Error ellipse: s-maj=3.0, 1.0km s-min=1.6, 0.9km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

ISC 16:22:15:56.1:0.6, 17.35°N:00.5:80.72E:0.05, h10km, n38, c252/34, mb3.9/12, Southern India

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

ISC 16:22:42:54.9, 38.73°N:43.19E, h5km, ML2.4/6 DDA 16:22:42:55.5, 38.69°N:43.22E, h7km, ML2.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC and rows listing station details.

GYA	S	S	23 55 23.8 -2.6	
GYA	sS	Sn	23 55 34.3 +0.7	
GYA	comp=Z,20nm,0.8s	pmax	pmax	
GYA	comp=Z,130nm,5.3s	LR	LR	
GYA	comp=Z,520nm,17.4s	LR	LR	
GYA	comp=Z,510nm,17.6s	LR	LR	
GYA	comp=Z,500nm,17.0s	LR	LR	
ZEA	21.77 355	eP	P	23 51 39.8 +1.5
ZEA		eS	Sn	23 55 44.0 -3.6
ZEA	comp=N,47nm,1.0s	pmax	pmax	
ZEA	comp=Z,78nm,1.2s	MLR	MLR	
ZEA	comp=Z,600nm,9.0s	MLR	MLR	
ZEA	comp=E,400nm,10.0s	MLR	MLR	
ZEA	comp=N,700nm,8.0s	MLR	MLR	
LZH	22.07 288	eP	P	23 51 45.9 +3.9
LZH		pP	sP	23 51 52.3 -0.1
LZH		sP	pP	23 51 56.3 +7.2
LZH		pP	Pn	23 52 06.4 +2.2
LZH		eS	pmax	23 55 49.3 +5.1
LZH	comp=N,21nm,1.1s	pmax	pmax	
LZH	comp=N,96nm,4.0s	LR	LR	
LZH	comp=N,3um,12.5s	LR	LR	
LZH	comp=N,990nm,10.3s	LR	LR	
LZH	comp=N,2um,13.8s	LR	LR	
NKL	22.43 17	eP	P	23 51 45.0 -0.4
NKL		eP	pmax	
NKL	comp=Z,52nm,1.0s	MLR	MLR	
NKL	comp=N,500nm,14.0s	MLR	MLR	
CD2	22.46 274	eP	P	23 51 45.6 -0.4
CD2		pP	pP	23 51 51.9 -1.2
CD2		sP	sP	23 51 55.0 -1.5
CD2		S	S	23 55 51.1 -0.1
CD2		sS	sS	23 56 01.8 -1.3
CD2	comp=Z,60nm,0.8s	pmax	pmax	
CD2	comp=Z,220nm,4.8s	LR	LR	
CD2	comp=Z,4um,12.4s	LR	LR	
CD2	comp=Z,3um,13.9s	LR	LR	
CD2	comp=Z,2um,10.9s	LR	LR	
GUMO	22.84 140	LR	LR	23 59 12.4
GUMO	comp=Z,169nm,20.8s,baz=326,slow=33			
SONM	23.90 318	P	P	23 51 59.8 -0.7
SONM	comp=Z,6.2nm,0.8s,baz=131,slow=10.0,SNR=25			
SONM	comp=Z,0.6nm,0.6s,baz=138,slow=35,SNR=2.8			
SONM	comp=Z,700nm,19.1s,baz=120,slow=38			
SONA1	23.91 318	eP	P	23 51 59.4 -1.1
KMI	24.93 261	pP	sP	23 52 11.6 +1.3
KMI		sP	pP	23 52 21.8 +0.7
KMI		sP	pP	23 52 25.4 +7.5
KMI	comp=Z,14nm,2.0s	pmax	pmax	
KMI	comp=Z,150nm,3.1s	pmax	pmax	
DAV	25.21 191	LR	LR	00 04 05.3
DAV	comp=Z,256nm,18.1s,baz=340,slow=41			
GTA	25.55 295	eP	P	23 52 15.3 -0.4
GTA		pP	pP	23 52 22.9 -1.0
GTA		sP	sP	23 52 25.3 -1.2
GTA		S	S	23 56 38.0 -4.0
GTA		sS	sS	23 56 49.3 -0.9
GTA		SS	SSn	23 57 40.4 +4.3
GTA	comp=Z,4.0nm,0.9s	pmax	pmax	
GTA	comp=Z,160nm,9.3s	LR	LR	
GTA	comp=Z,2um,20.3s	LR	LR	
GTA	comp=Z,750nm,18.2s	LR	LR	
ZAK	27.00 321	eP	P	23 52 27.1 -1.5
ZAK		eP	pmax	
IRK	27.55 325	eP	P	23 52 34.5 +1.1
IRK		eP	pmax	
BOD	28.01 342	eP	P	23 52 33.6 -3.8
BOD		eP	pmax	
PETK	28.96 35	LR	LR	00 06 02.1
PETK	comp=Z,6.0nm,2.2s			
PHRA	30.06 251	P	P	23 53 02.3 +6.3
PHRA	comp=Z,1.8nm,18.8s,baz=178,slow=40			
CHAI	30.16 244	P	P	23 53 03.2 +6.3
CHAI	comp=Z,1.2nm,1.4s			
UTTA	30.21 249	P	P	23 53 01.6 +4.3
UTTA	comp=Z,3.5nm,1.0s			
LAMP	30.53 251	P	P	23 53 05.2 +5.1
LAMP	comp=Z,3.1nm,0.6s			
PBKT	30.55 247	eP	P	23 53 01.8 +1.5
PBKT	comp=Z,12nm,1.0s			
PBKT	comp=Z,13nm,1.1s			
PHIT	30.63 248	P	P	23 53 06.3 +5.3
PHIT	comp=Z,9.6nm,1.1s			
MA2	30.80 21	LR	LR	00 05 20.2
MA2	comp=Z,108nm,18.7s,baz=218,slow=36			
MA2	Magadan			
CMMT	30.93 252	P	P	23 53 03.2 +1.1
CMMT	Chiang Mai			
CHTO	30.93 252	eP	P	23 53 03.8 +0.1
CHTO	Chiang Mai			
CHTO	comp=Z,8.0nm,1.3s			
CHTO	Chiang Mai			
SUKH	30.93 252	P	P	23 53 10.4 +6.7
SUKH	comp=Z,25nm,1.0s			
CMAR	31.12 252	P	P	23 53 05.2 -0.2
CMAR	Chiang Mai Arr			
CMAR	comp=Z,0.5nm,0.4s,baz=57,slow=6.6,SNR=3.9			
CMAR	comp=Z,219nm,19.3s,baz=72,slow=38			
CM01	31.52 252	P	P	23 53 05.9 +0.5
WMQ	35.07 302	P	P	23 53 42.4 +2.7
WMQ	Urumqi			
WMQ		pP	pP	23 53 49.0 +1.6
WMQ		sP	sP	23 53 52.3 +1.7
WMQ	comp=Z,580nm,17.3s	LR	LR	
WMQ	comp=Z,790nm,20.7s	LR	LR	
BRDH	35.23 264	LR	LR	00 10 41.9
BRDH	comp=Z,295nm,18.5s,baz=145,slow=41			
DGZ	36.17 312	eP	P	23 53 49.8 +0.6
DGZ	Jazzator, Alta			
ZALV	38.80 318	eP	P	23 54 10.3 -0.8
ZALV	Zalesovo Beam			
ZALV	comp=Z,0.4nm,0.4s,baz=93,slow=18,SNR=3.0			
ZALV	comp=Z,240nm,18.1s,baz=76,slow=38			
ZALV	Zalesovo Beam			
IK01	38.80 318	eP	P	23 54 13.1 +2.0
IK01	Makanchi Array			
IK01	comp=Z,3.8nm,0.9s			
IK01	comp=Z,0.4nm,0.4s,baz=95,slow=12,SNR=6.3			
MKAR	39.12 306	P	P	23 56 22.4 -0.9
MKAR	comp=Z,2.0nm,1.0s,baz=63,slow=6.6,SNR=4.0			
MKAR	comp=Z,246nm,18.0s,baz=92,slow=39			
MAKZ	39.34 306	eP	P	23 54 15.7 -0.1
MAKZ	comp=Z,3.8nm,0.9s			
MAKZ	Makanchi			
MAKZ	39.34 306	eP	P	23 54 15.7 -0.1
MAKZ	Makanchi			

NVS	comp=Z,4.0nm,0.9s				
NVS	Novosibirsk	39.93 319	eP	P	23 54 23.6 +3.0
NVS	comp=Z,12nm,2.1s				
NVS	comp=E,7.0nm,1.8s				
PDGK	Podgornoye	41.01 301	P	P	23 54 29.8 -0.1
PDGK					
PSI	Prapa	41.28 232	LR	LR	00 13 02.6
PSI	comp=Z,213nm,18.4s,baz=89,slow=38				
KURK	Kurchatov	41.92 312	eP	P	23 54 38.2 +1.2
KURK	comp=Z,4.5nm,0.9s				
KURK	Kurchatov	41.92 312	eP	P	23 54 38.2 +1.2
KURK					
KURB	Kurchatov Arra	41.97 312	P	P	23 54 36.5 -0.9
KURB	comp=Z,1.4nm,0.8s,baz=99,slow=8.7,SNR=10				
BATI	Baumata	42.47 189	LR	LR	00 12 57.9
BATI	comp=Z,64nm,21.4s,baz=114,slow=37				
KSH	Kashi	43.96 295	eP	P	23 54 59.1 +5.2
LEM	Lembang	44.20 213	P	P	23 54 56.3 +0.3
LEM	comp=Z,239nm,0.7s,baz=58,slow=13,SNR=2.4				
LEM	comp=Z,79nm,18.3s,baz=22,slow=38				
NRIK	Noril'sk	44.28 340	P	P	23 54 54.3 -1.5
NRIK	comp=Z,6.6nm,0.8s,baz=151,slow=24,SNR=11				
NRIK	comp=Z,280nm,19.3s,baz=242,slow=39				
PMG	Port Moresby	44.35 156	LR	LR	00 10 57.7
PMG	comp=Z,236nm,21.8s,baz=324,slow=33				
FRU	Bishkek	44.61 300	eP	P	23 55 01.0 +2.1
FRU					
AAK	Ala-Archa	44.71 300	P	P	23 55 00.8 +0.9
AAK	comp=Z,3.6nm,0.6s,baz=180,slow=2.0,SNR=3.8				
AAK	comp=Z,461nm,18.3s,baz=64,slow=39				
AAK	Ala-Archa	44.71 300	eP	P	23 55 01.5 +1.6
AAK					
MNAS	Manas	46.19 300	P	P	23 55 14.6 +3.0
MNAS	comp=Z,4.0nm,0.9s				
BVAR	Borovoye Array	47.17 315	P	P	23 55 18.2 -0.8
BVAR	comp=Z,1.6nm,0.5s,baz=106,slow=11,SNR=8.2				
BVAR	comp=Z,365nm,19.4s,baz=98,slow=37				
BRVK	Borovoye	47.24 315	eP	P	23 55 19.5 +0.1
BRVK	comp=Z,13nm,1.1s				
BRVK	Borovoye	47.24 315	eP	P	23 55 19.5 +0.1
BRVK					
KK31	Karatay Array	47.57 301	eP	P	23 55 22.8 +0.6
KK31	Karatay Array	47.57 301	eP	P	23 55 22.8 +0.6
KKAR	Karatay Array	47.57 301	eP	P	23 55 22.8 +0.6
KKAR	Karatay Array	47.57 301	eP	P	23 55 22.8 +0.6
FITZ	Fitzroy Crossi	50.05 186	P	P	23 55 41.1 -0.2
FITZ	comp=Z,2.6nm,0.8s,baz=7.1,slow=8.1,SNR=4.1				
FITZ	comp=Z,23nm,22.0s,baz=16,slow=35				
HNR	Honiara	50.17 140	LR	LR	00 15 12.1
HNR	comp=Z,8nm,20.9s,baz=324,slow=34				
WRAB	Tennant Creek	51.85 175	eP	P	23 55 54.4 -0.5
WRAB	comp=Z,12nm,1.1s				
WRAB	Tennant Creek	51.85 175	eP	P	23 55 54.6 -0.3
WRAB					
WRA	Warramunga Arr	51.86 175	P	P	23 55 54.1 -0.8
WRA	comp=Z,5.2nm,0.9s,baz=355,slow=7.9,SNR=24				
WB2	Warramunga Arr	51.87 175	eP	P	23 55 54.4 -0.6
WB2	comp=Z,2nm,1.0s				
PALK	Pallekele	52.05 253	LR	LR	00 18 38.5
PALK	comp=Z,130nm,21.9s,baz=98,slow=37				
SVE	Sverdlovsk	52.76 320	eP	P	23 56 01.7 +0.4
SVE					
ARU	Arti	53.93 319	P	P	23 56 10.8 +0.9
ARU	comp=Z,4.4nm,0.8s,baz=72,slow=3.4,SNR=9.7				
ABKAR	Akbulak array	53.98 310	eP	P	23 56 10.3 -0.1
ABKAR	Chary Tower	54.12 161	P	P	23 56 11.7 +0.1
AKTA	Aktyubinsk	55.02 312	P	P	23 56 16.8 -1.1
AKTA	comp=Z,4.7nm,0.9s,baz=314,slow=10,SNR=3.8				
AKTO	Alice Springs	55.53 176	P	P	23 56 21.2 -0.6
AKTO	comp=Z,1.0nm,0.5s,baz=83,slow=8.1,SNR=2.6				
ASAR	Alice Springs	55.53 176	P	P	23 56 21.2 -0.6
ASAR	comp=Z,3.9nm,0.8s,baz=2.9,slow=7.3,SNR=26				
ASAR	comp=Z,30nm,21.5s,baz=39,slow=35				
AS01	Alice Springs	55.53 176	eP	P	23 56 20.4 -1.4
AS01	Johnston Islan	56.42 90	eP	P	23 56 28.4 0.0
AS01	comp=Z,1.68nm,1.0s				
RSO	Redoubt South	56.48 35	eP	P	23 56 29.9 +1.4
RSO	Castle Rocks	56.48 32	eP	P	23 56 29.5 +1.2
CAST	comp=Z,20nm,1.1s				
PPLA	Purkeypile	56.49 32	eP	P	23 56 30.1 +1.7
PPLA	comp=Z,34nm,1.2s				
SKT	Skvertina	56.89 34	eP	P	23 56 31.8 +0.6
SKT	comp=Z,15nm,1.1s				
BPAW	Bear Paw Mtn.	56.90 31	eP	P	23 56 32.6 +1.4
BPAW	comp=Z,17nm,1.1s				
MLY	Manley	56.92 30	eP	P	23 56 33.0 +1.7
MLY	comp=Z,11nm,1.1s				
KDAK	Kodiak Island	56.93 39	eP	P	23 56 30.7 -0.7
KDAK	comp=Z,3.9nm,0.5s,baz=315,slow=8.6,SNR=8.3				
KDAK	Kodiak Island	56.93 39	eP	P	23 56 32.1 +0.8
KDAK	comp=Z,18nm,1.1s				
KDAK	Kodiak Island	56.93 39	eP	P	23 56 32.2 +0.8
KDAK					
COLD	Coldfoot	56.94 27	eP	P	23 56 32.2 +1.3
COLD	comp=Z,3nm,1.2s				
KTH	Kantishna Hill	56.99 32	eP	P	23 56 33.8 +1.0
KTH	comp=Z,26nm,1.1s				
TOLK	Toolik Lake Re	57.07 25	eP	P	23 56 33.1 +0.7
TOLK	comp=Z,15nm,1.1s				
TRF	Thorfare Moun	57.28 32	eP	P	23 56 34.9 +0.8
TRF	comp=Z,27nm,1.7s				
SUA	Susitna One	57.33 34	eP	P	23 56 35.6 +1.2
SUA	comp=Z,34nm,1.0s				
CNPM	China Pool	57.36 36	eP	P	23 56 35.5 +1.0
CNPM	comp=Z,12nm,1.0s				
BRLK	Bradley Lake	57.50 36	eP	P	23 56 36.9 +1.3
BRLK	comp=Z,18nm,1.1s				
BWN	Brownie	57.56 31	eP	P	23 56 37.2 +1.4
BWN	comp=Z,44nm,1.1s				
MCK	McKinley	57.85 31	eP	P	23 56 38.4 +0.5
MCK	comp=Z,38nm,1.5s				

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, s, ISC. Includes stations like OJC, NIE, KSP, VYHS, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, s, ISC. Includes stations like BW06, PD31, PDAR, PDAR, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, s, ISC. Includes stations like RCBR, SHEL, SHEL, KOWA, etc.

IDC 17 00:01:21.2: 11.0, 17.37S: 178.19W, h590km, 1.45km, mb3.0/5, mbl 3.4/5, mblmx2.9/4.7, mbtm3.9/5.0, Fiji Islands region

CNRM 17 00:11:59.3: 1.64Sx19.146W, h16km, ML4.5, ISCBJ 17 00:12:08.5: 0.2, 0.33S: 0.03x18.68W: 0.02, h10km, mb5.1/206, MS4.2/56, Error ellipse: s-maj=4.3km

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, s, ISC. Includes stations like H10N2, H10N3, H10N1, etc.

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

POLO	comp-Z,254nm,18.0s	42.64	12	eP	P	00 20 07.8 +0.8
SET	Lamas de Olo	42.66	29	eP	P	00 20 09.0 +1.7
PCAB	Setif	42.66	12	eP	P	00 20 10.2 +1.0
CTEI	comp-Z,46nm,2.0s	43.05	30	eP	P	00 20 11.7 +1.2
PGAV	Djebel Teioual	43.11	11	eP	P	00 20 11.9 +1.1
PGAV	Gavieira, Arco	00 26 45.3 +8.2		eS	LR	00 26 45.3 +8.2
DFRA	comp-Z,262nm,18.0s	43.16	29	eP	P	00 20 12.6 +1.2
CASM	Djebel Bou Aff	43.24	30	eP	P	00 20 13.4 +1.4
PBRG	ASIM Smara	43.28	13	eP	P	00 20 13.8 +1.7
CKFL	comp-Z,33nm,1.5s	43.47	30	eP	P	00 20 14.8 +0.9
CAEH	Kef-Lekhel	43.83	30	eP	P	00 20 17.8 +1.2
THTN	'Ain El Ouahch	43.85	33	eP	P	00 20 18.2 +1.2
CMAH	comp-Z,92nm,1.3s	44.00	31	eP	P	00 20 17.8 -0.3
H05S1	Djebel Manchou	44.00	291	T	T	01 07 48.3
KEST	Guadeloupe/Mar	44.34	33	eP	P	00 20 22.0 +1.2
KEST	SNR=11					
KEST	Kesra	44.34	33	eP	P	00 20 22.0 +1.2
KEST	comp-Z,22nm,0.8s,baz=173,slow=3.7,SNR=33					00 22 00.7 -3.6
KEST	comp-Z,32nm,0.9s,baz=183,slow=8.8,SNR=8.9					00 40 30.6
KEST	comp-Z,11m,18.9s,baz=196,slow=36					00 20 22.1 +1.2
KEST	Kesra	44.34	33	eP	P	00 20 22.1 +1.2
KEST	comp-Z,59nm,1.0s					00 22 00.8 -3.6
SIV	San Ignacio	44.63	247	eP	P	00 20 24.3 +0.9
SAM1	comp-Z,7.5nm,1.1s,baz=82,slow=9.2,SNR=19					00 20 27.7 +0.2
SAM1	Samuel	45.14	258	eP	P	00 20 27.7 +0.2
SAM1	comp-Z,36nm,1.6s					00 20 27.7 +0.2
SAM1	Samuel	45.14	258	eP	P	00 20 27.7 +0.2
TAMR	comp-Z,36nm,1.6s					00 20 29.1 +1.6
CPUP	Tamra	45.19	32	eP	P	00 20 29.1 +1.6
ANWB	comp-Z,24nm,0.7s					00 37 14.7
ANWB	Villa Florida	45.32	232	LR	LR	00 37 14.7
ANWB	comp-Z,413nm,20.2s,baz=59,slow=33					00 20 34.4 0.0
ANWB	Willy	46.02	295	eP	P	00 20 34.4 0.0
EPF	comp-Z,7.3nm,0.9s					00 20 37.7 +0.7
EPF	Esparrros	46.39	19	eP	P	00 20 37.7 +0.7
PCRV	comp-Z,5.0nm,1.0s					00 37 40.4
PCRV	Puerto La Cruz	46.89	284	LR	LR	00 37 40.4
PCRV	comp-Z,222nm,20.3s,baz=222,slow=33					00 20 46.2 +1.4
WDD	Wied Dalam	47.40	37	eP	P	00 20 46.2 +1.4
CLTB	comp-Z,104nm,1.0s					00 20 49.8 +1.5
CLTB	Caltalotta	47.82	34	eP	P	00 20 49.8 +1.5
LF	comp-Z,32nm,0.7s					00 20 49.7 -1.4
LF	La Frestale	48.23	18	eP	P	00 20 49.7 -1.4
LSZ	comp-Z,117nm,1.4s					00 20 56.3 +1.6
LSZ	Lusaka	48.61	110	eP	P	00 20 56.3 +1.6
LSZ	comp-Z,25nm,1.4s					00 20 56.3 +1.6
LSZ	Lusaka	48.61	110	eP	P	00 20 56.3 +1.6
CAF	comp-Z,25nm,1.4s					00 20 54.6 +0.1
CAF	Calviac	48.65	20	eP	P	00 20 54.6 +0.1
STVI	comp-Z,36nm,1.2s					00 20 58.6 +0.4
STVI	Saint Thomas	49.09	295	eP	P	00 20 58.6 +0.4
LBTR	comp-Z,50nm,1.5s					00 21 01.4 +1.4
LBTR	Lobatse	49.32	123	eP	P	00 21 01.4 +1.4
LBTR	comp-Z,25nm,1.1s					00 21 01.5 +1.4
LBTR	Lobatse	49.32	123	eP	P	00 21 01.5 +1.4
MBAR	comp-Z,25nm,1.1s					00 21 02.6 +1.6
MBAR	Mbarara	49.41	91	eP	P	00 21 02.6 +1.6
MBAR	comp-Z,26nm,1.1s					00 21 02.6 +1.6
MBAR	Mbarara	49.41	91	eP	P	00 21 02.6 +1.6
MFF	comp-Z,26nm,1.1s					00 21 00.7 +0.1
MFF	Saint Martin d	49.46	17	eP	P	00 21 00.7 +0.1
MTP	comp-Z,38nm,1.0s					00 21 02.2 +0.3
MTP	Monte Pirata	49.57	294	eP	P	00 21 02.2 +0.3
CEL	comp-Z,31nm,1.0s					00 21 05.2 +1.5
CEL	Celeste	49.83	36	eP	P	00 21 05.2 +1.5
SJG	comp-Z,78nm,0.9s					00 37 34.0
SJG	San Juan	50.12	294	LR	LR	00 37 34.0
BNI	comp-Z,32nm,1.0s					00 21 10.5 +2.2
BNI	Bardonecchia	50.44	23	eP	P	00 21 10.5 +2.2
BOSA	comp-Z,4.6nm,0.5s,baz=275,slow=8.3,SNR=3.1					00 21 09.9 +0.6
BOSA	Bosho	50.53	128	P	P	00 21 09.9 +0.6
LPL	comp-Z,196nm,18.6s,baz=292,slow=33					00 21 12.4 +1.0
LPL	La Plagne	50.85	23	eP	P	00 21 12.4 +1.0
TIP	comp-Z,31nm,1.0s					00 21 12.7 +0.6
TIP	Timpagrande	50.95	35	eP	P	00 21 12.7 +0.6
TIP	comp-Z,64nm,0.9s					00 21 12.5 +0.3
TIP	Timpagrande	50.95	35	eP	P	00 21 12.5 +0.3
CUC	comp-Z,26nm,1.2s					00 21 11.4 -0.7
CUC	Castroucco	50.95	34	eP	P	00 21 11.4 -0.7
LPAZ	comp-Z,1.7nm,0.7s,baz=62,slow=7.4,SNR=8.1					00 21 15.2 -0.3
LPAZ	La Paz	51.27	249	P	P	00 21 15.2 -0.3
LPAZ	comp-Z,173nm,19.2s,baz=90,slow=35					00 41 48.2
LPAZ	La Paz	51.27	249	eP	P	00 21 14.8 -0.7
VLC	comp-Z,9.1nm,0.9s					00 21 15.2 +0.7
VLC	Villacollemand	51.28	27	eP	P	00 21 15.2 +0.7
AQU	comp-Z,42nm,1.1s					00 21 16.2 +1.1
AQU	L'Aquila	51.35	30	eP	P	00 21 16.2 +1.1
AQU	comp-Z,89nm,1.1s					00 21 16.2 +1.1
AQU	L'Aquila	51.35	30	eP	P	00 21 16.2 +1.1
AQU	comp-Z,89nm,1.1s					00 21 16.1 +1.1
AQU	L'Aquila	51.35	30	eP	P	00 21 16.1 +1.1
SENI	comp-Z,19nm,0.9s					00 21 19.3 +1.0
SENI	Lac Senin/Sane	51.77	23	eP	P	00 21 19.3 +1.0
MATE	comp-Z,21nm,0.9s					00 21 19.0 -0.1
MATE	Matera	51.90	34	eP	P	00 21 19.0 -0.1
PYL	comp-Z,21nm,0.9s					00 21 24.4 -0.1
PYL	PYLOS	52.61	41	eP	P	00 21 24.4 -0.1
PYL	comp-Z,21nm,0.9s					00 21 24.4 -0.1
PYL	PYLOS	52.61	41	eP	P	00 21 24.4 -0.1
TUE	Stuetta	52.67	24	eP	P	00 21 24.4 -0.5
ITM	comp-Z,79nm,1.8s					00 21 27.5 +0.8
ITM	Ithom	52.90	41	eP	P	00 21 27.5 +0.8
AMT	comp-Z,74nm,0.9s					00 21 26.0 -0.6
AMT	Artemida-Makis	52.96	40	eP	P	00 21 26.0 -0.6
ANKY	comp-Z,79nm,1.8s					00 21 29.3 +1.4
ANKY	Antikythira Is	53.07	43	eP	P	00 21 29.3 +1.4
ANKY	comp-Z,79nm,1.8s					00 21 29.3 +1.4
ANKY	Antikythira Is	53.07	43	eP	P	00 21 29.3 +1.4
KTHR	comp-Z,79nm,1.8s					00 21 29.1 +1.0
KTHR	Kythira	53.09	42	eP	P	00 21 29.1 +1.0
RLS	comp-Z,79nm,1.8s					00 21 29.4 +1.2
RLS	Riolos of Patr	53.11	40	eP	P	00 21 29.4 +1.2
RLS	comp-Z,79nm,1.8s					00 21 29.4 +1.2
RLS	Riolos of Patr	53.11	40	eP	P	00 21 29.4 +1.2
KYTH	comp-Z,79nm,1.8s					00 21 29.2 +0.9
KYTH	Kythira	53.12	42	eP	P	00 21 29.2 +0.9
DAVOX	comp-Z,79nm,1.8s					00 21 28.5 +0.1
DAVOX	Davos/Dischmal	53.14	24	eP	P	00 21 28.5 +0.1
FUORN	comp-Z,214nm,1.5s,SNR=42					00 21 29.2 +0.5
FUORN	Ofenpass-Fuorn	53.17	25	eP	P	00 21 29.2 +0.5
DRO	comp-Z,16nm,1.0s					00 21 30.5 +1.6
DRO	Drossia	53.20	40	eP	P	00 21 30.5 +1.6
ECH	comp-Z,36nm,1.3s					00 21 28.7 -0.4
ECH	Echery	53.27	21	eP	P	00 21 28.7 -0.4
ECH	comp-Z,36nm,1.3s					00 21 28.7 -0.4
ECH	Echery	53.27	21	eP	P	00 21 28.7 -0.4
SGD	comp-Z,36nm,1.3s					00 21 30.6 +1.2
SGD	Sagliada	53.29	37	eP	P	00 21 30.6 +1.2
VLI	comp-Z,36nm,1.3s					00 21 31.1 +1.5
VLI	Vellai	53.30	42	eP	P	00 21 31.1 +1.5
VLI	comp-Z,36nm,1.3s					00 21 31.1 +1.5
VLI	Vellai	53.30	42	eP	P	00 21 31.1 +1.5
VLX	comp-Z,36nm,1.3s					00 21 31.1 +1.4
VLX	Vlachokerasia	53.30	41	eP	P	00 21 31.1 +1.4
IMMV	comp-Z,36nm,1.3s					00 21 30.4 +0.6
IMMV	Iera Momi Meta	53.32	44	eP	P	00 21 30.4 +0.6
VAM	comp-Z,36nm,1.3s					00 21 31.5 +0.8
VAM	Vamos	53.44	44	eP	P	00 21 31.5 +0.8
VAM	comp-Z,36nm,1.3s					00 21 31.5 +0.8
VAM	Vamos	53.44	44	eP	P	00 21 31.5 +0.8
PVO	comp-Z,36nm,1.3s					00 21 32.0 +1.1
PVO	Paravola	53.48	39	eP	P	00 21 32.0 +1.1
PB11	comp-Z,36nm,1.3s					00 21 31.2 -0.4
PB11	IPOC Station P	53.51	246	eP	P	00 21 31.2 -0.4
KLV	comp-Z,36nm,1.3s					00 21 33.1 +1.7
KLV	Kalavryta, Ach	53.54	40	eP	P	00 21 33.1 +1.7
KLV	comp-Z,36nm,1.3s					00 21 33.0 +1.6
KLV	Kalavryta, Ach	53.54	40	eP	P	00 21 33.0 +1.6
LAKA	comp-Z,36nm,1.3s					00 21 33.0 +1.6
LAKA	Lakka	53.54	40	eP	P	00 21 33.0 +1.6
DAVA	comp-Z,36nm,1.3s					00 21 33.5 +0.1
DAVA	Damoules	53.55	24	eP	P	00 21 33.5 +0.1
GUR	comp-Z,92nm,1.3s,SNR=23					00 21 33.0 +1.1
GUR	Goura	53.60	40	eP	P	00 21 33.0 +1.1
GUR	comp-Z,92nm,1.3s,SNR=23					00 21 33.1 +1.3
GUR	Goura	53.60	40	eP	P	00 21 33.1 +1.3
EPF	comp-Z,92nm,1.3s,SNR=23					00 21 33.1 +1.3
EPF	Elpalio	53.61	39	eP	P	00 21 33.1 +1.3
FRIZ	comp-Z,92nm,1.3s,SNR=23					00 21 33.9 +1.6
FRIZ	Frizonia	53.69	40	eP	P	00 21 33.9 +1.6
FETA	comp-Z,92nm,1.3s,SNR=23					00 21 32.5 0.0
FETA	Feichten	53.68	25	eP	P	00 21 32.5 0.0
JAN	comp-Z,32nm,1.0s,SNR=16					00 21 33.9 +1.4

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Novokhoporyorsk, Palmer Station, L48A, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Borovoye, Borovoye Array, BVAR, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like KAND, Almaty, KAND, etc.

MEX 17 00:16:44.5:0.3, 16:31N:98:30W, h1km, MD3.8, Near coast of Guerrero

MEX 17 00:58:45.5:0.6, 17:72N:94:91W, h133km±16km, MD3.7, Chiapa

IDC 17 01:52:24.0:4.6, 1:56N:126:20E, h90km±38km, mb3.5/5, mb1.3:0.6, mb1mx3:3:56, mbmp3:8/6, Error ellipse: s-maj=102.0km s-min=14.1km az=68.0

ISC 17 01:52:24.0:7.1, 1:36N:109:125.7E:0.1, h100km, mb3.6/5, Error ellipse: s-maj=20.8km s-min=8.4km az=150.1

DJA 17 01:52:27.8:1.5, 1:54N:12:6E±, h26km±16km, M4.4/8, mb5.0/2, MLV4.1/8

ISC 17 01:52:25.8:0.9, 1:41N:0:09:125.9E:0.2, h100km±12, e15/14, mb3.5/5, Northern Molucca Sea

TNTI Ternate, KMSI Cibinong, LSGI Sangihe, LBMI Labuha, NLAI Namlea, AAI Ambon, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs

NIED 17 02:13:00.39:30N:143:00E, h11km, Mw3.4, Best double couple: M1.60000x10^14 NP1.3x40.00000^2, 839.00000^2, lambda=87.00000^2

ellipse: s-maj=2.8km s-min=1.9km az=13.0
IPEC 17 02:56:56.2,0.2,49.84N:18:57E,h0km,ML2.3,Error
ellipse: s-maj=1.8km s-min=1.1km az=163.0
IDC 17 02:56:56.6,2.0,49.73N:18:57E,h0km,mb2.9/1,
mb1.3/4,mb1mx2.9/67,mbtmp2.9/4,ML2.3,3,Error
ellipse: s-maj=30.9km s-min=9.9km az=137.0
VIE 17 02:56:58.2,1.0,49.65N:18:38E,h0km,mb1.9/4,ml2.7/6,
Error ellipse: s-maj=6.8km s-min=5.1km az=97.0 22 km
SSE of Ostrava Suspected Mining induced.

ISC 17 02:56:55.4,0.7,49.89N:0.02:18:53E:0.02,h10km,n57,
r1500/93,6C-6D,Czech and Slova Republics

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

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KMSI, Cbinong, TNTI, Ternate, etc.

IDC 17 03:22:42.4,119.0,12.93S:174.66E,h0km,mb3.7/3,
mb1.3/9.3,mb1mx3.5/47,mbtmp3.7/3,MS3.4/2,Ms1.3/4.2,
ms1mx2.6/4.0,Error ellipse: s-maj=2068.0km
s-min=159.4km az=67.0,North of Fiji Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like HNR, Honiara, STKA, Stephens Creek, etc.

NIED 17 04:09:00.22:40N:121:80E,h80km,Mw4.2 Best double
couple: M1: 97000x1015 N1: 340.00000x, S1: 00000x,
M2: 1.00000x, N2: 220.00000x, S2: 887.00000x, 7.98.00000x

JMA 17 04:09:20.7,0.3,22:45N:121:75E,h0km,M3.9
ISCJB 17 04:09:21.4,0.4,22:33N:0:02:121:37E:0:02,h82km,3km,
Error ellipse: s-maj=3.9km s-min=3.1km az=152.5

TAP 17 04:09:22.0,22:34N:121:34E,h77km,ML4.2,B
ISC 17 04:09:21.5,1.3,22:32N:0:04:121:33E:0:03,h84km,6km,
n104,r1519/166,6C-19D,Taiwan region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like LAY, Lan-yu, TWH, Lutao, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Lists stations like TPUB, Hungye, EHY, Hungye, etc.

IDC 17 03:09:33.7,1.2,0:00N:125:54E,h0km,mb4.2/5,
mb1.4/2.6,mb1mx3.7/55,mbtmp4.1/6,ML3.5/1,MS2.6/1,
Ms1.2.8/1,ms1mx2.2/53,Error ellipse: s-maj=112.9km
s-min=17.8km az=66.0
ISCJB 17 03:09:37.5,0.8,0:31S:0:08:125:50E:0:06,h10km,
mb4.0/5,MS2.5/1,Error ellipse: s-maj=12.2km
s-min=7.7km az=167.2
DJA 17 03:09:40.7,0.4,0:54:12:6E:,h10km,M3.9/7,MLv3.9/7
ISC 17 03:09:34.9,1.8,0:10S:0:08:125:53E:0:03,h10km,n12,
r149/14,mb4.2/5,Southern Molucca Sea

Code Station Name Delta Azimuth Phase ID Time Res ISC
TPUB Ta-pu 1.13 324 P Pn 04 09 43.0 +0.5
WTP WTP 1.13 324 P Pn 04 09 43.0 +0.5
CHN1 Nanshi 1.14 319 P Pn 04 09 43.0 +0.5
CHN1 Nanshi 1.14 318 P Pn 04 09 43.0 +0.5
CHN3 Chinhua 1.17 310 P Pn 04 09 42.7 -0.2
CHN3 Chinhua 1.17 310 P Pn 04 09 42.7 -0.2
TPUB Ta-pu 1.17 326 P Pn 04 09 43.0 +0.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HATERUMA JIMA, YMO8, TWY, etc.

DJA 17 04:10:44.3±0.5, 8°S, 3°10'8"E±, h24km±4km, M4, 2/14, mb4.1/1, MLV4.3/14

IDC 17 04:10:48.1±1.9, 7.94S; 108°24'E, h102km±12km, mb3.4/6, mb1.3/5.6, mb1mx3.3/6.1, mbmt3.9/6.6, MS3.0/4, Ms1.3/0.4, ms1mx2.6/4.1, Error ellipse: s-maj=72.1km s-min=15.9km s-min=5.1

ISC 17 04:10:40.2±0.2, 8.35S; 07°10'18"E±, h10km±12km, n30, c1959/27, mb3.8/6, MS2.7/3, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMJI, CIMERAK, CISI, CISI, etc.

ISCJB 17 04:24:25.4±0.5, 38°73'N, 0°03'27.45E±, h10km±5km, Error ellipse: s-maj=5.9km s-min=3.9km az=42.9

DDA 17 04:24:25.4, 38.77N, 27.43E, h12km, M12.6

ISK 17 04:24:25.3, 38.72N, 27.48E, h9km, ML1.8/6

ISC 17 04:24:25.5±1.0, 38.75N, 0°03'27.45E±, h14km±10km, n18, c0543/25, Turkey

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

IDC 17 04:32:06.3±1.1, 49.04S; 121°50'E, h0km, mb3.9/5, mb1.4/0.5, mb1mx3.7/4.7, mbmt3.9/5, MS3.4/9, Ms1.3/4.9, ms1mx3.0/4.2, Error ellipse: s-maj=97.5km s-min=19.3km az=112.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H01W1, H01W2, H01W3, etc.

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

ISCJB 17 04:33:25.9±0.7, 39°68'N, 0°07'35.40E±, h11km±5km, Error ellipse: s-maj=11.1km s-min=7.5km az=5.3

DDA 17 04:33:25.8, 39.69N, 35.40E, h7km, M12.6

ISK 17 04:33:25.6, 39.67N, 35.41E, h10km, ML1.6/5

ISC 17 04:33:25.1±0.1, 39.68N, 0°05'35.40E±, h12km±8km, n10, c0542/12, Turkey

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

ISC 17 04:48:11.3±1.4, 38°60'N, 46°69'E, h0km±63km, ML3.9

AZER 17 04:48:12.2±0.2, 38°30'N, 46°12'E, h4km, m4, 0/27, Error ellipse: s-maj=5.1km s-min=1.0km az=25.0

NEIC 17 04:48:14.9±0.0, 38°42'N, 46°70'E, h4km, mb4.0/4, ML3.6(THR), MN3.9(TEH), After TEH.

TEH 17 04:48:15.1±1.3, 38°44'N, 46°70'E, h4km, ML3.8

IDC 17 04:48:15.9±1.1, 38°39'N, 46°68'E, h0km, MS3.9/7, mb1.4/0.1, mb1mx3.7/6.2, mbmt3.9/11, ML3.4/4, MS2.8/6, Ms1.2/8.6, ms1mx2.5/6.6, Error ellipse: s-maj=20.6km s-min=11.8km az=14.0

THR 17 04:48:15.5±0.3, 38°45'N, 46°69'E, h14km±3km, ML3.6

MOS 17 04:48:16.2±3.1, 38°24'N, 46°91'E, h10km, mb4.1/9, Error ellipse: s-maj=8.7km s-min=5.6km az=99.4

NNC 17 04:48:25.4±0.3, 38°74'N, 47°22'E, h0km, mb3.9, Error ellipse: s-maj=119.9km s-min=58.4km az=100.0

DDA 17 04:48:27.0, 38°59'N, 45°55'E, h13km, M12.9

ISC 17 04:48:15.6±1.1, 38°45'N, 0°02'46.69E±, h1km±8km, n202, c1979/235, mb3.9/13, 28C-18D, Iran-Armenia-Azerbaijan border region

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

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

ISCJB 17 04:33:25.9±0.7, 39°68'N, 0°07'35.40E±, h11km±5km, Error ellipse: s-maj=11.1km s-min=7.5km az=5.3

DDA 17 04:33:25.8, 39.69N, 35.40E, h7km, M12.6

ISK 17 04:33:25.6, 39.67N, 35.41E, h10km, ML1.6/5

ISC 17 04:33:25.1±0.1, 39.68N, 0°05'35.40E±, h12km±8km, n10, c0542/12, Turkey

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

ISC 17 04:48:11.3±1.4, 38°60'N, 46°69'E, h0km±63km, ML3.9

AZER 17 04:48:12.2±0.2, 38°30'N, 46°12'E, h4km, m4, 0/27, Error ellipse: s-maj=5.1km s-min=1.0km az=25.0

NEIC 17 04:48:14.9±0.0, 38°42'N, 46°70'E, h4km, mb4.0/4, ML3.6(THR), MN3.9(TEH), After TEH.

TEH 17 04:48:15.1±1.3, 38°44'N, 46°70'E, h4km, ML3.8

IDC 17 04:48:15.9±1.1, 38°39'N, 46°68'E, h0km, MS3.9/7, mb1.4/0.1, mb1mx3.7/6.2, mbmt3.9/11, ML3.4/4, MS2.8/6, Ms1.2/8.6, ms1mx2.5/6.6, Error ellipse: s-maj=20.6km s-min=11.8km az=14.0

THR 17 04:48:15.5±0.3, 38°45'N, 46°69'E, h14km±3km, ML3.6

MOS 17 04:48:16.2±3.1, 38°24'N, 46°91'E, h10km, mb4.1/9, Error ellipse: s-maj=8.7km s-min=5.6km az=99.4

NNC 17 04:48:25.4±0.3, 38°74'N, 47°22'E, h0km, mb3.9, Error ellipse: s-maj=119.9km s-min=58.4km az=100.0

DDA 17 04:48:27.0, 38°59'N, 45°55'E, h13km, M12.9

ISC 17 04:48:15.6±1.1, 38°45'N, 0°02'46.69E±, h1km±8km, n202, c1979/235, mb3.9/13, 28C-18D, Iran-Armenia-Azerbaijan border region

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

MA2	comp=Z,330nm,19.3s,baz=197,slo=39	LR	LR	07 37 10.0					
MA2	Magadan 19.18 14 eP	Pn	Pn	07 28 56.2 -0.3					
BJI	Beijing 19.67 275 P	S	S	07 28 59.3 -1.2					
BJI	comp=Z,24nm,1.3s	S	Pmax	07 32 32.8 -6.6					
BJI	comp=Z,530nm,16.4s	LR	LR						
BJI	comp=Z,930nm,15.1s	LR	LR						
BJI	comp=Z,2um,29.2s	LR	LR						
BJT	Baijiatuu 19.68 275 eP	P	P	07 29 00.2 -0.4					
BJT	Baijiatuu 19.68 275 eP	P	Pmax	07 29 00.2 -0.4					
TIA	Tai'an 20.06 264 P	S	S	07 29 03.5 -1.4					
TIA	comp=Z,16nm,0.9s	S	Pmax	07 32 40.5 -6.9					
TIA	comp=Z,230nm,4.8s	LR	LR						
TIA	comp=Z,380nm,16.1s	LR	LR						
TIA	comp=Z,330nm,24.6s	LR	LR						
TIA	comp=Z,670nm,26.0s	LR	LR						
NJ2	Nanjing 20.70 251 eP	P	P	07 29 10.3 -1.4					
NJ2	comp=Z,29nm,0.5s	Pmax	Pmax						
NJ2	comp=Z,610nm,5.6s	Pmax	Pmax						
NJ2	comp=Z,810nm,12.3s	LR	LR						
NJ2	comp=Z,740nm,14.5s	LR	LR						
NJ2	comp=Z,1um,15.5s	LR	LR						
YAK	Yakutsk 22.15 344 eP	P	P	07 29 24.1 -3.0					
YAK	comp=Z,23nm,0.9s	ePP	S	07 29 44.8 -1.3					
YAK	comp=Z,23nm,0.9s	eS	S	07 33 20.9 -6.8					
YAK	comp=Z,23nm,0.9s	eSS	S	07 33 58.0 +1.0					
YAK	comp=N,13nm,1.0s	Pmax	Pmax						
YAK	comp=E,8.0nm,0.9s	smx	smx						
YAK	comp=N,105nm,1.6s	smx	smx						
SEY	Seymchan 22.61 12 P	P	P	07 29 30.8 -1.2					
HHC	Hu-ho-hao-te 22.96 279 eP	S	S	07 29 34.9 -1.1					
HHC	comp=E,54nm,0.8s	Pmax	Pmax	07 33 35.5 -6.7					
HHC	comp=E,150nm,3.9s	LR	LR						
HHC	comp=E,920nm,9.2s	LR	LR						
HHC	comp=E,1um,10.8s	LR	LR						
YOJ	Yonaguni jima 23.05 229 eP	P	P	07 29 37.2 +0.5					
YOJ	Yonaguni jima 23.05 229 eP	P	Pmax	07 29 37.3 +0.5					
YHNB	Yeheng 23.85 233 eP	P	P	07 29 45.6 +1.1					
BTO	Baotou 24.16 279 eP	S	S	07 29 43.8 -3.5					
BOD	Bodaibo 24.40 322 eP	P	Pmax	07 29 46.9 -2.2					
SSLB	Suanguang 24.76 232 eP	P	P	07 29 53.5 +0.6					
TPUB	Ta-pu 25.33 232 eP	P	P	07 29 58.2 +0.3					
ULN	Ulaanbaatar 25.67 297 eP	P	P	07 30 00.5 -0.5					
ULN	Ulaanbaatar 25.67 297 ceP	P	Pmax	07 30 00.0 -1.0					
SONA1	Songino Array 26.11 297 eP	P	P	07 30 04.5 -0.4					
SONM	Songino Array 26.11 297 eP	P	P	07 30 03.9 -1.0					
XAN	Xi'an 27.09 265 P	P	Pmax	07 30 13.9 +0.1					
XAN	comp=Z,14nm,0.6s	Pmax	Pmax						
GUMO	Guam 27.62 174 LR	LR	LR	07 40 17.6					
ZAK	Zakamensk 28.27 302 eP	P	Pmax	07 30 22.7 -1.6					
H11N2	WAKE ISLAND Hy 30.08 128 T	T	T	08 01 43.0					
H11N1	WAKE ISLAND Hy 30.09 128 T	T	T	08 01 55.6					
H11N3	WAKE ISLAND Hy 30.10 128 T	T	T	08 01 56.3					
LZH	Lanzhou 30.11 273 eP	P	P	07 30 40.9 +0.1					
LZH	comp=Z,19nm,1.1s	pP	sP	07 30 57.3 -3.6					
LZH	comp=Z,540nm,12.5s	sP	sP	07 31 06.1 +1.2					
LZH	comp=Z,570nm,14.6s	PcP	PcP	07 33 40.8 -0.4					
LZH	comp=Z,19nm,1.1s	SS	SS	07 37 16.3 -2.9					
LZH	comp=Z,56nm,1.0s	Pmax	Pmax						
LZH	comp=Z,19nm,1.1s	LR	LR						
LZH	comp=Z,540nm,12.5s	LR	LR						
LZH	comp=Z,570nm,14.6s	LR	LR						
LZH	comp=Z,850nm,19.0s	LR	LR						
H11S1	WAKE ISLAND Hy 30.92 130 T	T	T	08 03 20.5					
H11S3	WAKE ISLAND Hy 30.92 130 T	T	T	08 03 28.5					
H11S2	WAKE ISLAND Hy 30.93 130 T	T	T	08 03 15.3					
GTA	Gaotai 32.04 281 eP	P	P	07 30 53.9 -3.8					
GTA	comp=Z,4.0nm,0.6s	pP	pP	07 31 11.3 -0.1					
GTA	comp=Z,78nm,8.9s	sP	sP	07 31 21.8 +4.0					
GTA	comp=Z,330nm,18.5s	S	S	07 35 55.9 -1.0					
GTA	comp=Z,440nm,22.3s	Pmax	Pmax						
GTA	comp=Z,680nm,24.4s	LR	LR						
CD2	Chengdu 32.40 264 eP	P	P	07 31 00.5 -0.3					
CD2	comp=Z,10.0nm,0.5s	pP	sP	07 31 18.9 -2.0					
CD2	comp=Z,160nm,5.0s	sP	sP	07 31 28.3 +1.4					
CD2	comp=Z,10.0nm,0.5s	S	S	07 36 08.9 -2.5					
CD2	comp=Z,160nm,5.0s	Pmax	Pmax						
CD2	comp=Z,650nm,23.8s	LR	LR						
CD2	comp=Z,520nm,25.8s	LR	LR						
GYA	Guiyang 32.63 254 eP	P	P	07 31 04.3 +1.4					
GTG	Tagaytay City 32.67 220 LR	LR	LR	07 44 32.8					
KMI	Kunming 36.27 256 P	P	P	07 31 35.4 +0.8					
KMI	comp=Z,32nm,21.4s,baz=129,slo=37	pP	sP	07 31 55.8 +1.1					
KMI	comp=Z,32nm,21.4s,baz=129,slo=37	sP	sP	07 32 03.3 +1.5					
KMI	comp=Z,32nm,21.4s,baz=129,slo=37	S	S	07 37 09.8 -1.8					

KMI	comp=Z,21nm,0.9s	sS	sS	07 37 41.8 +1.4					
KMI	comp=Z,330nm,4.4s	Pmax	Pmax						
KMI	comp=Z,350nm,15.5s	LR	LR						
KMI	comp=Z,380nm,14.1s	LR	LR						
KGZ	Jazzart, Alta 38.49 302 i/P	P	P	07 31 54.1 +1.0					
KGZ	comp=Z,400nm,25.3s	Pmax	Pmax						
WMQ	Urumqi 39.56 293 P	P	P	07 32 03.0 +1.1					
WMQ	comp=Z,11nm,0.7s	pP	sP	07 32 19.3 -2.9					
WMQ	comp=Z,67nm,1.5s	sP	sP	07 32 32.8 +1.7					
WMQ	comp=Z,330nm,3.6s	Pmax	Pmax						
WMQ	comp=Z,1um,18.9s	LR	LR						
WMQ	comp=Z,2um,15.9s	LR	LR						
ZAA0	Zalesovo Array 39.59 309 eP	P	P	07 32 01.8 -0.2					
ZALV	Zalesovo Beam 39.59 309 P	P	P	07 32 01.7 -0.3					
ZALV	comp=Z,4.6nm,0.3s,baz=101,slo=2.7,SNR=59	PcP	PcP	07 34 08.0 -0.1					
ZALV	comp=Z,575nm,18.2s,baz=67,slo=38	LR	LR	07 49 29.6					
ZALV	Zalesovo Beam 39.59 309 eP	P	P	07 32 02.2 +0.3					
ZALV	comp=Z,17nm,0.8s	PcP	PcP	07 34 08.0 -0.1					
NRK1	Noril'sk 39.74 333 P	P	P	07 32 02.4 -0.6					
NRK1	comp=Z,9.0nm,0.5s,baz=331,slo=24,SNR=16	P	P	07 49 30.2					
NRK1	comp=Z,826nm,20.2s,baz=206,slo=38	LR	LR	07 32 09.2 +0.3					
NVS	Novosibirsk 40.43 310 i/P	Pmax	Pmax						
NVS	comp=N,10.0nm,1.5s	Pmax	Pmax						
NVS	comp=E,25nm,1.5s	Pmax	Pmax						
SKNT	Sakolnakh 40.64 245 P	P	P	07 32 12.2 +1.2					
PAYA	Payao 41.92 252 P	P	P	07 32 24.3 +2.7					
SVW2	Sparrevoh 41.96 40 eP	P	P	07 32 23.4 +2.0					
PHRA	Phrae 42.23 250 P	P	P	07 32 24.8 +0.8					
MK01	Makanchi Array 42.45 298 eP	P	P	07 32 25.8 +0.1					
MK31	Makanchi Array 42.45 298 eP	P	P	07 32 25.7 +0.2					
MK31	Makanchi Array 42.45 298 eP	P	Pmax	07 32 25.8 +0.2					
MKAR	Makanchi Array 42.45 298 P	P	P	07 32 25.3 -0.4					
MKAR	comp=Z,9.6nm,0.5s,baz=85,slo=10,SNR=152	PcP	PcP	07 34 17.9 +0.2					
MKAR	comp=Z,2.1nm,0.6s,baz=35,slo=3.5,SNR=3.7	LR	LR	07 51 11.1					
MKAR	comp=Z,513nm,19.8s,baz=88,slo=38	LR	LR	07 32 25.8 +0.2					
MKAR	Makanchi Array 42.45 298 eP	PcP	PcP	07 34 17.9 +0.2					
LSA	Lhasa 42.49 271 P	P	Pmax	07 32 27.6 +1.0					
LAMP	Lampang 42.64 251 P	P	P	07 32 28.7 +1.3					
MAK2	Makanchi 42.66 299 eP	P	P	07 32 27.5 +0.2					
MAK2	Makanchi 42.66 299 eP	P	P	07 32 27.5 +0.2					
CHAI	Chaiyaphum 42.76 246 P	P	P	07 32 29.1 +0.8					
CMMT	Chiang Mai 42.94 252 P	P	P	07 32 31.2 +1.4					
CHTO	Chiang Mai 42.94 252 eP	P	P	07 32 30.0 +0.2					
CHTO	Chiang Mai 42.94 252 eP	P	Pmax	07 32 30.0 +0.2					
PHIT	Phitsanulok 42.97 249 P	P	P	07 32 34.3 +4.3					
PBKT	Sadao Pong 43.00 248 eP	P	P	07 32 29.8 -0.5					
PBKT	Sadao Pong 43.00 248 eP	P	P	07 32 31.5 +1.2					
SIJI	Sorong 43.01 196 LR	LR	LR	07 48 39.2					
CMAR	Chiang Mai Arr 43.17 251 P	P	P	07 32 31.9 +0.2					
CMAR	comp=Z,2.0nm,0.4s,baz=43,slo=6.8,SNR=12	LR	LR	07 50 57.8					
CM01	Chiang Mai Arr 43.18 251 eP	P	P	07 32 32.1 +0.3					
SUKH	Sukhothai 43.33 250 P	P	P	07 32 34.2 +1.3					
OHAK	Old Harbor 43.42 46 eP	P	P	07 32 32.6 -0.6					
PPLA	Purkepyile 43.51 37 eP	P	P	07 32 36.2 +2.1					
CAST	Castle Rocks 43.54 37 eP	P	P	07 32 36.2 +2.0					
KDAK	Kodiak Island 43.72 45 eP	P	P	07 32 35.8 +0.1					
KDAK	Kodiak Island 43.72 45 eP	P	Pmax	07 32 35.8 +0.1					
SKT	Skwentna 43.86 39 eP	P	P	07 32 37.9 +1.2					
KURK	Kurchatov 43.86 305 eP	P	P	07 32 36.9 +0.1					
KURK	Kurchatov 43.86 305 P	P	P	07 32 37.0 +0.1					
KURK	Kurchatov 43.86 305 eP	P	Pmax	07 32 36.9 +0.1					
KURB	Kurchatov Arra 43.94 305 P	P	P	07 32 37.0 -0.5					
HOM	Homer 44.00 42 eP	P	P	07 32 39.9 +2.0					
BPAW	Bear Paw Mtn. 44.01 36 eP	P	P	07 32 39.9 +2.0					
SRAK	Srakaw 44.05 244 P	P	P	07 32 37.0 -1.7					
KTH	Kantishna Hill 44.05 36 eP	P	P	07 32 40.1 +1.7					
MLY	Manley 44.09 34 eP	P	P	07 32 39.8 +1.2					
SHL	Shillong 44.10 265 eP	P	P	07 32 39.7 +0.3					
SHL	Shillong 44.10 265 eP	P	P	07 32 39.5 +0.2					
SHL	Shillong 44.10 265 eP	Pmax	Pmax	07 32 39.7 +0.3					
CNPM	China Poot 44.22 42 eP	P	P	07 32 40.4 +0.7					
COLD	Coldfoot 44.30 31 eP	P	P	07 32 41.7 +1.5					
TRF	Thorfare Moun 44.34 36 eP	P	P	07 32 42.5 +1.7					

17d 7h

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like SFK, KULM, KK31, etc.

2012 AUG

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like C09A, SUMG, D08A, etc.

828

Table with columns: Station, Name, Frequency, Power, Direction, and other parameters. Includes stations like HFS, HFS, SOC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Indian Meadow, Flagg Ranch, Red Lodge, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Ford Ranch, Pinyon Flats, Belle Mtn, etc.

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

Table with columns: ANMO, comp, Pmax, Pmax, PPT, Papeete, 86.07 117 LR, LR, 08 09 47.5, S46A, Don Dixon Farm, 89.26 37 P, P, 07 37 25.6 -0.7

Table with columns: PPT, Papeete, 86.07 117 LR, LR, 08 09 47.5, S46A, Don Dixon Farm, 89.26 37 P, P, 07 37 25.6 -0.7

Table with columns: S46A, Don Dixon Farm, 89.26 37 P, P, 07 37 25.6 -0.7, MAN 17 07:40:01.3, 8.96N, 121.91E, h36km, mb4.6, ML3.5, MS3.4, 2C-1D, Mindanao

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, error rates).

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include PSI Prapat, H0S2 Diego Garcia H, H0S3 Diego Garcia H, H0S1 Diego Garcia H, DAV Davao City (W), MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs.

IDC 17 09:49:45.3±1.2, 2.51°N, 127.12°E, h0km, mb3.9/8, mb1 4.1/8, mb1mx3.7/59, mbtmp4.0/8, Error ellipse: s-maj=98.7km s-min=15.8km az=72.0, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, MKAR Makanchi Array, ZALV Zalesov Beam, KURBB Kurchatov Arr, BVAR Borovoye Array.

NIED 17 10:10:00.29±20N, 129.30°E, h5km, Mw4.2 Best double couple: M2.58000±0.1015 NP1.3243.00000±0.48.00000, λ=145.00000, NP2.128.00000±0.65.00000, λ=47.00000

ISCJB 17 10:10:51.6±0.7, 29.19N, 0.03, 129.34E, 0.06, h1km, 5km, mb3.7/8, MS3.3/2, Error ellipse: s-maj=9.1km s-min=9.6km az=22.7

IDC 17 10:10:51.1±0.8, 29.21N, 129.49°E, h0km, mb3.7/8, mb1 4.0/10, mb1mx3.7/65, mbtmp3.8/10, ML3.5/2, MS3.5/21, Ms1 3.5/21, ms1mx3.3/50, Error ellipse: s-maj=30.2km s-min=16.7km az=95.0

JMA 17 10:10:51.5±0.1, 29.20N, 129.24°E, h18km±1km, M3.8 JMA Felt II J1

ISC 17 10:10:52.0±1.1, 29.17N, 0.03, 129.38E, 0.04, h7km±8km, n46, ±123/35, mb3.8/8, MS3.4/15, Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include JTAJ Takarajima, JTAJ Amami Oshima, JAM Nakanoshima, JMN Amaminishikomi, JMN Kikaishima, JJK Tokunoshima, JTK Yukushimahirau, JYAK Kuchinoerabu, JMTN Minamitane, JOKE Okinoerabujima, JYRO Yoronjima, JIH Iheya, JOW Kunigami, JOW Kurejima, JAGN Aguni-jima, JKE Kume jima 2, JNU Nakatsue, JNU Kurejima, KSRS Korea Array, KSRS Hachiojima, MJAR Matsushiro Arr, USRK Ussuriysk Arr, ASAJ Asahikawa, ASAJ Kulfur, KLR Guam, DAV Davao City (W), ZALV Zalesov Beam, SONM Songoing Array, SONM Chiang Mai Arr, SIJI Sorong, PETK Petrov Pavlovsk, JAY Jayapura, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, MKAR Makanchi Array, ZALV Zalesov Beam, PMG Port Moresby, AAK Ala-Arch, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, GNI Garni, KVAR Kislovodsk Arr, YKA Yellowknife Arr, NVAR Mina Array, PDAR Pinedale Array.

IDC 17 10:12:50.5±1.0, 29.14N, 129.61°E, h0km, mb3.6/5, mb1 3.8/6, mb1mx3.4/66, mbtmp3.6/6, ML3.3/1, Error ellipse: s-maj=43.9km s-min=21.1km az=94.0
ISCJB 17 10:12:51.3±0.7, 29.19N, 0.03, 129.33E, 0.07, h12km±6km, mb3.6/5, Error ellipse: s-maj=11.3km s-min=3.9km az=20.2
JMA 17 10:12:51.3±0.1, 29.19N, 129.31°E, h16km±2km, M2.9
ISC 17 10:12:51.4±1.1, 29.17N, 0.03, 129.37E, 0.05, h8km±8km, n23, ±116/28, mb3.7/5, Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include JTAJ Takarajima, JAM Amami Oshima, JMN Nakanoshima, JMN Amaminishikomi, JJK Kikaishima, JTK Tokunoshima, JYAK Yukushimahirau, JYAK Kuchinoerabu, JMTN Minamitane, JOKE Okinoerabujima, JYRO Yoronjima, JOW Kunigami, JKE Kume jima 2, JNU Nakatsue, SONM Songoing Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, PDAR Pinedale Array.

KRAR 17 10:15:09.0±0.2, 54.11N, 87.11E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22ap + CD-ROM, 2014)

NCC 17 10:15:09.4±2.6, 54.27N, 87.34E, h22km±21km, mb3.9, mpv3.4, 7C-6D, Error ellipse: s-maj=21.0km s-min=17.4km az=54.0, Suspected lightning explosion, Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include ZAA Zalesov Array, ZAA Kuchurto, KURK Kurchatov, KURK Kurejima, KURBB Kurchatov Arr, KURBB Kurejima, MK31 Makanchi Array, MK31 Kurejima, MAK2 Makanchi Array.

ISCJB 17 10:20:05.0±0.5, 29.16N, 0.03, 129.30E, 0.06, h18km±4km, mb3.5/4, MS2.5/2, Error ellipse: s-maj=8.8km s-min=3.4km az=25.1

IDC 17 10:20:04.2±1.3, 29.14N, 129.45°E, h0km, mb3.5/4, mb1 3.7/6, mb1mx3.4/67, mbtmp3.7/6, ML3.3/2, MS3.0/5, Ms1 3.0/5, ms1mx2.7/61, Error ellipse: s-maj=42.3km s-min=20.5km az=80.0

JMA 17 10:20:04.5±0.1, 29.17N, 129.26°E, h18km±2km, M3.2 JMA Felt II J2

ISC 17 10:20:04.6±1.2, 29.13N, 0.03, 129.39E, 0.05, h6km±9km, n29, ±113/35, mb3.5/4, Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include JTAJ Takarajima, JTAJ Amami Oshima, JAM Nakanoshima, JMN Amaminishikomi, JMN Kikaishima, JTK Tokunoshima, JYAK Yukushimahirau, JYAK Kuchinoerabu, JMTN Minamitane, JOKE Okinoerabujima, JYRO Yoronjima, JOW Kunigami, JOW Kurejima, JNTH Nagatoyohara, JAGN Aguni-jima, JKE Kume jima 2, JNU Nakatsue, JNU Kurejima, KSRS Korea Array, USRK Ussuriysk Arr, ASAJ Asahikawa, KLR Kulfur, SONM Songoing Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, MKAR Makanchi Array, ZALV Zalesov Beam, PMG Port Moresby, AAK Ala-Arch, BVAR Borovoye Array, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, GNI Garni, KVAR Kislovodsk Arr, YKA Yellowknife Arr, NVAR Mina Array, PDAR Pinedale Array.

ASAR Alice Springs 52.67 175 P P 0.6mm, 0.1s, baz=8.2, slow=14, SNR=4.7

KRSC 17 10:30:20±1.0, 8.53°N, 160.95°E, h69km±17km, ML3.7, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include KII Karymskiy, SPN Mys Shipunski, NLC Nalytchevo, TUMR Tumrok, SMAR Somma, UGLR Uglovaya, AVH Avacha, KRX Arik, KOK Koryaka, DALK Dalny, PET Petrov Pavlovsk, GNL Ganaly, KMN Kamensstaya, BZMR Bezymannyaya, KRMR Karymskiy, BZWR Bezymannyi-We, KRRR Kirshev, ZLN Zelenaya, RUS Russkaya, LGNR Loginova, MTRV Mutnovka, KOZ Kozyrevsk, ESO Esso, KLY Klyuchi, APC Apacha, KBTR Krutoberegovo, BDR Baidarnaya, SMKR Semkarok, SRKR Sorokina, KDRH Khodutka, Kamc, BKI Bering.

ISCJB 17 10:41:14.8±0.5, 29.18N, 0.03, 129.32E, 0.06, h18km±4km, mb3.3/3, MS2.8/2, Error ellipse: s-maj=9.4km s-min=4.1km az=25.7

JMA 17 10:41:14.7±0.1, 29.18N, 129.29°E, h19km±2km, M2.9
IDC 17 10:41:14.2±1.4, 29.18N, 129.42°E, h0km, mb3.3/3, mb1 3.6/5, mb1mx3.2/68, mbtmp3.5/5, ML2.9/2, MS2.9/5, Ms1 2.9/5, ms1mx2.5/36, Error ellipse: s-maj=44.1km s-min=24.0km az=85.0

ISC 17 10:41:14.5±1.3, 29.13N, 0.03, 129.43E, 0.05, h5km±10km, n29, ±110/29, mb3.2/3, Ryukyu Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include JTAJ Takarajima, JAM Amami Oshima, JMN Nakanoshima, JMN Amaminishikomi, JMN Kikaishima, JTK Tokunoshima, JYAK Yukushimahirau, JYAK Kuchinoerabu, JMTN Minamitane, JOKE Okinoerabujima, JTN Tanegashima 3, JYRO Yoronjima, JIH Iheya, JOW Kunigami, JOW Kurejima, JKE Kume jima 2, JMZ Minamidato 2, JNU Nakatsue, KSRS Korea Array, USRK Ussuriysk Arr, ASAJ Asahikawa, ASAJ Davao City (W), SONM Songoing Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs.

ISCJB 17 11:14:27.5±0.7, 38.58N, 0.04, 28.65E, 0.05, h4km±12km, Error ellipse: s-maj=8.2km s-min=6.1km az=136.0

DDA 17 11:14:27.7, 38.58N, 28.64E, h7km, ML2.2
ISC 17 11:14:27.7, 38.53N, 28.61E, h4km±1km, ML1.9/2
ISC 17 11:14:27.5±1.0, 38.56N, 0.05, 28.71E, 0.06, h5km±9km, n6, ±041/11, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include KULA Kula-Manisa, KULA Kula, MANT Manisa, DEMI Demirci, DEMI Demirci, KHAL Kerahalli, AYDB Zeytinok-Aydi, AYDB Balikesir, NNC 17 11:19:00.1±5.9, 50.80N, 83.88E, h0km±6km, mpv3.2, 7C-1D, Error ellipse: s-maj=47.8km s-min=17.6km az=54.0, Eastern Kazakhstan

Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include KURK Kurchatov, KURK Kurchatov, KURBB Kurchatov Arr, KURBB Kurchatov.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Rows include KURK Kurchatov, KURBB Kurchatov Arr, KURBB Kurchatov.

17d 11h

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Includes entries for MAK31 Makanchi Array, MAKZ Makanchi, and MAKZ.

NIED 17 11:37:00.36:70N,141.00E,h83km,Mw4.2 Best double couple: M=2.27000,1015 NP1=86.00000, 842.00000, 1-51.00000, NP2=218.00000, 859.00000, 1-120.00000.
BUJ 17 11:37:29.36:83N,141.15E,h77km,mb4.7/21,mb4.8/15,Ms4.5/3,Ms7.4/4/2
ISCJBJ 17 11:37:31.6:0.3,36:66N,0.03:140:96E:0.04,h92km,2km,mb4.3/68,Error ellipse: s-maj=5.3km s-min=4.3km az=41.7
IDC 17 11:37:31.8:0.7,36:63N,140:96E,h84km,5km,mb3.9/14,mb1.4/1/17,mb1mx3.7/75,mbtmp4.2/17,MS2.9/12,Ms1.2.9/12,ms1mx2.7/70,Error ellipse: s-maj=13.8km s-min=13.7km az=170.0

Main table for station data under 'coast of eastern Honshu'. Columns include Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Lists numerous stations like JHO Hitachi, JHO Iwakimizuishi, JHO Hitachinakayam, etc.

2012 AUG

Main table for station data under '2012 AUG'. Columns include Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Lists stations like YOJ, HHC, HHC, HHC, YAK, YAK, YAK, etc.

Main table for station data under '2012 AUG'. Columns include Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC. Lists stations like ABKAR, ASAR, ASAR, OBN, OBN, OBN, etc.

JMA 17 11:57:27.8:0.1,22:42N,121:39E,h0km,M3.2
ISCJBJ 17 11:57:30.3:0.4,22:43N,0.02:121:16E:0.02,h7km,3km,
Error ellipse: s-maj=3.4km s-min=2.9km az=39.1
TAP 17 11:57:29.8:1.1,22:45N,0.02:121:15E:0.02,h4km,9km,
n90,0887/126,12C-11D,Taiwan region

Table with columns: Call Sign, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like MASHB, SANDIM, HENGCHUN, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like NSTT, LIOB, ENTT, etc.

NIED 17 12:02:00, 37.40N, 141.60E, h38km, Mw3.4 Best double couple: Mo 1.22000e1014 NP1: 162.00000, 820.00000, 1.55.00000, NP2: 19.00000, 874.00000, 1.102.00000

JMA 17 12:02:14.1e0.1, 37.46N, 141.56E, h46km, Mw3.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like JFK, ONAJ, JMM, etc.

IDC 17 12:04:42.8, 1.6, 51.81N, 96.43E, h0km, mb3.6/4, mb1 3.5/6, mb1mx3.2/78, mbtms3.5/6, ML2.6/2, Error ellipse: s-maj=32.9km s-min=22.3km az=18.0

MOS 17 12:04:45.0, 1.9, 51.55N, 96.01E, h10km, mb4.4/1, Error ellipse: s-maj=12.5km s-min=8.8km az=23.9

ASRS 17 12:04:47.2, 1.4, 51.83N, 95.72E, h15km, Ms3.6/2, ISC 17 12:04:46.7, 0.8, 51.63N, 95.95E, h10km, n45, e271/43, mb3.5/4, 1C-3Z, Southwestern Siberia

Table with columns: Code, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like TDJR, KZLR, KZLR, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like NVS, MKAR, MKAR, etc.

AZER 17 12:09:49.0, 2.0, 38.54N, 46.68E, h10km, ml3.3/13, Error ellipse: s-maj=7.4km s-min=1.6km az=22.0

TEH 17 12:09:50.2, 38.43N, 46.64E, h15km, ML3.1, ISC 17 12:09:49.0, 1.3, 38.30N, 46.60E, h6km, 11km, n20, e099/36, 14C-10D, Iran-Armenia-Azerbaijan border region

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

ISCJB 17 12:11:14.2, 0.5, 32.60N, 0.02, 115.32W, 0.02, h1km, 3km, Error ellipse: s-maj=3.8km s-min=2.8km az=177.1

MEX 17 12:11:16.3, 0.4, 32.65N, 115.26W, h10km, mb4.0, MD4.0, NEIC 17 12:11:16.3, 0.0, 32.60N, 115.34W, h8km, MD3.0(ECC), ML2.9(PAS), After ECX

NEIC Felt at Ensenada, ECX 17 12:11:16.3, 0.6, 32.59N, 115.33W, h8km, MD2.8, ML3.0, ISC 17 12:11:15.4, 0.6, 32.59N, 115.34W, 0.02, h13km, 5km, n63, e1985/87, 11C-5D, California-Baja California border region

Table with columns: Code, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, and other parameters. Includes stations like MBIG, MBIG, MBIG, etc.

IDC 17 14:19:32.6:1.0,37.325:179.93W,h0km,mb4.1/5, mb1 4.2/6,mb1mx3.9/42,mbmp4.1/6,ML3.8/1,MS3.4/10, Ms1 3.4/10,ms1mx3.7/40,Error ellipse: s-maj=30.7km s-min=25.9km az=7.0

NEIC 17 14:19:33.2:0.0,37.525:179.46W,h33km,ML.4.(WEL), After WEL.

ISC 17 14:19:35.1:1.0,37.905:0.06:179.73W:0.07,h32km,n77, e+189/73,mb4.1/5,MS3.6/9,East of North Island

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

IDC 17 14:36:33.7:1.6,1.13N:97.75E,h0km,mb3.7/5,mb1 3.7/5, mb1mx3.4/71,mbmp3.7/5,Error ellipse: s-maj=49.3km s-min=21.4km az=58.0

DJA 17 14:36:41.6:0.3,1.12N:97.8E,h12km,3km,M4.0/19, ML4.4/19

ISCJB 17 14:36:42.4:0.5,1.40N:0.04:98.01E:0.06,h50km, mb3.6/5,Error ellipse: s-maj=9.5km s-min=4.5km az=151.6

ISC 17 14:36:42.5:0.9,1.41N:0.04:97.98E:0.05,h50km,n25, e+1885/26,mb3.8/5,Northern Sumatra

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists seismic stations H0ES3, H0ES1, WRA, ASAR, MKAR, ZALV, BVAR.

SOME 17 14:41:15.0,42.08N:78.82E,h10km KRNET 17 14:41:15.3:0.1,42.07N:78.90E,h18km,mb3.5 NNC 17 14:41:15.2:1.4,42.12N:78.88E,h0km,mb3.0,mpv2.8

Error ellipse: s-maj=10.8km s-min=3.9km az=154.0

ISC 17 14:41:13.3:1.6,42.11N:0.06:78.84E:0.03,h4km,10km, n45,-1505/77,19C-23Z,Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various seismic stations including PRZ, SATY, UZB, ZHN, SHLS, PDGK, KURS, TNS, MDOK, KOTS, KTMS, IZV, ULHL, MTBS, ARXS, KTBS, KST, DJR, TKM2, DGS, KUW.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various seismic stations including KUU, KZA, AAK, KAPS, SFK, MNAS, MK31, MK31, MK31, KK31, OTUK, KURBB.

AZER 17 14:42:53.6:0.2,38.53N:46.68E,h6km,1km,m3.1/14, Error ellipse: s-maj=3.9km s-min=0.9km az=24.0

TEH 17 14:42:54.5,38.43N:46.68E,h20km,ML3.0

ISC 17 14:42:54.7:1.0,38.46N:0.03:46.66E:0.02,h17km,10km, n21,-1941/36,15C-11D,Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various seismic stations including IHRS, ITBZ, ORD, BOSTANABAD, IMRD, ISHB, IAZR, ISRB, NAX, NAX, SBZ, LRK, GLBA, ASTR, LKRN, BRDA, BRDA, HYR, GANJ, GDB, GDB, QAZAX, SEKA, SEKA, XNQ, XNQ.

ISCJB 17 15:01:39.9:0.7,35.51N:0.05:140.14E:0.08,h74km,6km, mb3.7/7,Error ellipse: s-maj=11.6km s-min=6.2km az=151.7

JMA 17 15:01:40.8:0.1,35.56N:140.12E,h6km,2km,M3.0

IDC 17 15:01:42.3:2.1,35.45N:140.07E,h80km,16km,mb3.4/7, mb1 3.5/10,mb1mx3.2/72,mbmp3.7/10,MS2.3/4, Ms1 2.3/4,ms1mx2.2/35,Error ellipse: s-maj=31.7km s-min=6.5km az=67.0

ISC 17 15:01:40.9:1.1,35.53N:0.05:140.13E:0.07,h64km,11km, n25,-1902/25,mb3.8/7,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists various seismic stations including BSO3, JOD2, JIM2, JAG, JRY, BSO1, JYN, MJAR, MJAR, MAT, MAT, JHJ, JHJ, JNU, KSR5, KSR5, JOW, H11N1, H11N1, ZALV, MKAR, KURBB, ILAR, WRA, ASAR.

17d 15h

0.3nm,0.7s,baz=18,slow=12,SNR=6.8
FINES FINES Array B 69.66 332 P
1.3nm,0.7s,baz=64,slow=8,SNR=5.3

IDC 17 15:12:26.9.3.2,30.06S:-177.36W,h0km,mb3.5/2,
mb1 3.7/2,mb1mx3.4/44,mbtmp3.5/2,Error ellipse:
s-maj=64.1km s-min=35.4km az=94.0,Kermadec
Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes stations like RAO Raoul Island, ASAR Alice Springs, WRA Warramunga Arr, FINES FINES Array B.

DJA 17 15:31:48.8.0.3,3'S,3.129'E,h34km,6km,M3.6/10,
MLV3.6/10,Seram
Code Station Name Az Az2 Phase ID ISC Time Res
MSAI Masohi 0.33 146 P Op Pn 15 31 58.4 +1.1

IDC 17 15:37:26.6.1.6,30.12Sx178.88W,h331km,22km,
mb2.8/2,mb1 3.1/3,mb1mx2.8/47,mbtmp3.7/3,Error
ellipse: s-maj=57.2km s-min=24.4km az=111.0,
Kermadec Islands
Code Station Name Az Az2 Phase ID ISC Time Res
RAO Raoul Island 1.21 44 P Pn 15 38 11.1 -0.1

NIED 17 15:39:00.24.40N,121.40E,h8km,Mw3.5 Best double
couple: M2.04000x1014 NP1.312.00000; 847.00000,
lambda=130.00000. NP2.183.00000; 856.00000,
lambda=56.00000.
IDC 17 15:39:03.7.1.3,24.15N,121.41E,h0km,mb3.5/5,
mb1 3.5/6,mb1mx3.2/79,mbtmp3.5/6,ML2.9/1,Error
ellipse: s-maj=43.3km s-min=23.2km az=56.0
JMA 17 15:39:04.7.0.1,24.37N,121.39E,h4km,M3.5
TAP 17 15:39:04.6.24.37N,121.47E,h8km,ML3.6,C
ISCJB 17 15:39:05.24.0.2,24.38N,121.50E,0.01,
14km,2km,mb3.4/5,Error ellipse: s-maj=2.0km
s-min=1.3km az=38.6
ISC 17 15:39:05.1.0.9,24.38N,121.46E,0.01,h8km,6km,
n112,0.997/187,mb3.5/5,38C-7D,Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes stations like NNS Nan Shan, ENA Nanau, ENA Nanau, NANB Nanao, NANB Nanao, ENTNT Nioudou, ENTNT Nioudou, TWT Tachien, TWT Tachien, WHF Hehuan Shan, WHF Hehuan Shan, TDCB Techu, TDCB Techu, YHNB Yeheng, YHNB Yeheng, NSK Sanguang, NSK Sanguang, NSK Chiawan, NSK Chiawan, ENAH Nanao, ENAH Nanao, TWE Neicheng, TWE Neicheng, NWLT Wulai, NWLT Wulai, CHGB Renai, CHGB Renai, SLBB Yuanshan, SLBB Yuanshan, HWA Hwalien, HWA Hwalien, TWC Suao, TWC Suao, ILA Ilan, ILA Ilan, LIQB Emei, LIQB Emei, NSTT Nanjuang, NSTT Nanjuang, ENLB Shoufeng, ENLB Shoufeng, WLTB Daxi, WLTB Daxi, ESLS Shilin, ESLS Shilin.

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Main table with columns: Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes stations like ESL baz=184, NTC Toucheng, NTC Toucheng, DPDB Guoxing, DPDB Guoxing, SBCB Hsinchu, SBCB Hsinchu, TATO Taipei, TATO Taipei, HSN Hsinchu, HSN Hsinchu, NMLH Miaoili, NMLH Miaoili, NSY Sanyi, NSY Sanyi, EGS Yuehr, EGS Yuehr, EOS1 EOS1, EOS1 EOS1, NCUH Zhongli, NCUH Zhongli, NCU National Centr, NCU National Centr, TAP Taipei, TAP Taipei, TIPB Shuangxi, TIPB Shuangxi, PTBS Yuanli, PTBS Yuanli, EGFH Guangfu, EGFH Guangfu, TYC Yuchr, TYC Yuchr, TWS1 Kuangyinshan, TWS1 Kuangyinshan, SSSL Suanglung, SSSL Suanglung, TCU Taichung, TCU Taichung, NWF Wu-fen Shan, NWF Wu-fen Shan, WFSB Wu-fen Shan, WFSB Wu-fen Shan, YM04 YM04, YM04 YM04, YM10 YM10, YM10 YM10, NTST Danshui, NTST Danshui, YM11 YM11, YM11 YM11, TWB1 Santiao Chiao, TWB1 Santiao Chiao, YM03 YM03, YM03 YM03, YM12 YM12, YM12 YM12, YM07 YM07, YM07 YM07, YM08 YM08, YM08 YM08, WNT Mingjing, WNT Mingjing, WNT Wnt, WNT Wnt, WJS Zhushan, WJS Zhushan, WCHH Zhanguhua, WCHH Zhanguhua, EHY Hungye, EHY Hungye, TWY Chenhua, TWY Chenhua, YULB Yu-I, YULB Yu-I, YUS Yu-Shan, YUS Yu-Shan, TWFI Yuli, TWFI Yuli, CHNS Tsaling, CHNS Tsaling, WCHK Gukeng, WCHK Gukeng, WDLH Douliu, WDLH Douliu, RLNB Erlin, RLNB Erlin, FULB Fuli, FULB Fuli, WTCT Ta-ch'eng, WTCT Ta-ch'eng, WTCT Ta-ch'eng, WTCT Ta-ch'eng.

Table with columns: Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes stations like ELDTW Lidau, ELDTW Lidau, CHKT Chengkung, CHKT Chengkung, CHY Chiyai, CHY Chiyai, TPUB Ta-pu, TPUB Ta-pu, WSF Szu, WSF Szu, YJNG Yonagunijimaku, YJNG Yonagunijimaku, WTP Ta-pu, WTP Ta-pu, PCYT Pengchayui, PCYT Pengchayui, STYT Tauyuan, STYT Tauyuan, TWK Hsinying, TWK Hsinying, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, YOJ Yonaguni jima, CHN1 Nanshi, CHN1 Nanshi, CHN1 Nanshi, CHN1 Nanshi, SGST Jiashian, SGST Jiashian, CHN8 Yiju, CHN8 Yiju, CHN8 Yiju, CHN8 Yiju, SLGT Lutao, SLGT Lutao, TWG Pinlang, TWG Pinlang, TWGB Beinan, TWGB Beinan, CHN3 Shinhua, CHN3 Shinhua, CHN3 Shinhua, CHN3 Shinhua, TWH Lutao, TWH Lutao, SCLT Jiali, SCLT Jiali, ECL Tainaili, ECL Tainaili, MASBT Mashibuluo, MASBT Mashibuluo, MASBT Mashibuluo, MASBT Mashibuluo, PNG Penghu, PNG Penghu, VWUC VWUC, VWUC VWUC, PHUB P'eng-hu, PHUB P'eng-hu, WDGT Dungi, WDGT Dungi, EAST Anshuo, EAST Anshuo, IRIF Iriomote-Funau, IRIF Iriomote-Funau, SCZT Fangiangu, SCZT Fangiangu, HATJ Hateruma jima, HATJ Hateruma jima, VCHM Gimeji, VCHM Gimeji, MATB Matsu, MATB Matsu, JKRS Kuro-shima, JKRS Kuro-shima, JJKRS Jishigaki jima, JJKRS Jishigaki jima, JIJ Jishigakijimahi, JIJ Jishigakijimahi, JISG Kinmen, JISG Kinmen, KNMB Chimen Tao, KNMB Chimen Tao, JTJ Tarama, JTJ Tarama, JOW Kunigami, JOW Kunigami, SONM Sorongo Array, SONM Sorongo Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesov Beam, ZALV Zalesov Beam, KURBB Kurchatov Arra, KURBB Kurchatov Arra, WRA Warramunga Arr, WRA Warramunga Arr.

Table with columns: Station Name, Az, Az2, Phase ID, ISC, Time, Res. Includes stations like NIED 17 15:43:00,35.70N,142.00E,h14km,Mw3.9 Best double
couple: M7.59000x1014 NP1.192.00000; 865.00000,
lambda=110.00000. NP2.967.00000; 860.00000,
lambda=155.00000.
IDC 17 15:43:15.6.0.7,35.62N,141.86E,h0km,mb4.2/16,
mb1 4.3/20,mb1mx4.0/79,mbtmp4.2/20,ML2.7/3,MS2.8/2,
Ms1 2.8/2,ms1mx2.3/75,Error ellipse: s-maj=18.4km
s-min=14.0km az=82.0
ISCJB 17 15:43:16.4.0.3,35.65N,141.82E,h39km,8km,mb4.6/6,
mb4.2/30,Error ellipse: s-maj=4.9km s-min=4.4km
az=148.6
JMA 17 15:43:17.1.0.2,35.72N,142.00E,h32km,3km,M4.2
MOS 17 15:43:20.9.0.9,36.18N,141.91E,h31km,mb4.4/24,Error
ellipse: s-maj=10.5km s-min=6.6km az=111.6
NEIC 17 15:43:20.9.1.5,35.56N,141.82E,h39km,8km,mb4.6/6,
Error ellipse: s-maj=20.3km s-min=15.3km az=70.0
BUJ 17 15:43:24.8,35.52N,141.19E,h57km,mb4.5/8,mb4.8/5,
Ms4.3/2,Ms7.4/2
ISC 17 15:43:18.3.0.6,35.71N,141.99E,0.05,h22km,n97,
c155/102,mb4.3/30,4C,Near east coast of eastern
Honshu
Code Station Name Az Az2 Phase ID ISC Time Res
CHOJ Chosi 0.92 270 P Pn 15 43 33.9 -1.7
CHOJ Chosi 0.92 270 P Pn 15 43 33.9 -1.7
JIHU Itakohorinouch 1.22 283 S S 15 43 39.8 -0.8
JIHU Itakohorinouch 1.22 283 S S 15 43 39.8 -0.8
JHYU Hitachinakayam 1.30 299 P Pn 15 43 39.8 -1.4
BSO1 Boso 1 1.34 219 P Pn 15 43 40.4 -0.8
JHO Hitachi 1.46 308 P Pn 15 43 41.7 -1.7
BSO3 Boso 3 1.51 234 P Pn 15 43 43.0 -0.8
JIMM Kawachi 1.88 302 P Pn 15 43 47.9 -1.5
JAG Ashikaga 2.18 290 P S 15 43 52.1 -1.4
JAG Ashikaga 2.18 290 P S 15 43 52.1 -1.4
JFT Otama 2.25 234 P Pn 15 43 53.9 -0.3
JIM2 Oshima 3 2.32 246 P Pn 15 43 53.3 -1.9
JIM2 Oshima 3 2.32 246 P Pn 15 43 53.3 -1.9
JIMM Marumori 2.36 336 P S 15 44 22.0 -1.0
JHJ2 Mitsuru 3.15 215 ePn Pn 15 44 05.1 -0.7
JHJ Hachioji jima 2 3.16 216 Pn Pn 15 44 05.5 -1.3
JHJ Hachioji jima 2 3.16 216 Pn Pn 15 44 05.5 -1.3
MJAR Matushiro Arr 3.17 286 Pn S 15 44 06.6 -0.4
MJAR Matushiro Arr 3.17 286 Pn S 15 44 06.6 -0.4
MAJO Matushiro 3.17 286 ePn Pn 15 44 07.3 +0.3
MAJO Matushiro 3.17 286 ePn Pn 15 44 07.3 +0.3
MAT Matushiro 3.17 286 P S 15 44 43.6 -0.6
MAT Matushiro 3.17 286 P S 15 44 43.6 -0.6
MJB9 Matsu-Tunnel 3.18 286 ePn Pn 15 44 07.3 +0.3
INU Inuyama 4.07 266 ePn Pn 15 44 19.5 +0.2
ASAJ Asahikawa 8.41 3 Pn Pn 15 45 17.5 -1.4
ASAJ Asahikawa 8.41 3 Pn Pn 15 45 17.5 -1.4

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ASAJ, CBJJ, YUK, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation. Includes stations like PDAR, BR101, BRTR, etc.

ISCJB 17 15:47:28.9:0.3,34:40N:0:02:31:05E:0:03,h33km, mb3.0/2, Error ellipse: s-maj=4.4km s-min=2.2km az=43.4

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

Main table with columns: Code, Station Name, Δ° AZ°, Phase ID, Time Res, ISC. Lists various stations and their coordinates.

ISCJB 17 15:48:14.0:0.2,63:66N:0:02:19:11W:0:03,h13km,1km, mb4.0/30,MS3.4/4, Error ellipse: s-maj=2.8km

REY 17 15:48:14.3:0.63:66N:19:08W,h1km IDC 17 15:48:14.3:0.8,63:66N:19:08W,h0km,mb3.8/10,

NEIC 17 15:48:15.7:0.2,63:57N:19:03W,h10km,mb4.3/13, Error ellipse: s-maj=6.0km s-min=4.2km az=207.0

ISC 17 15:48:14.7:0.8,63:68N:0:02:19:14W:0:02,h7km,5km, n120,0:19:20/145,mb39/32,MS3.5/4,Iceland

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Time Res, ISC. Lists stations like IAGD, IGOD, ISLY, etc.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like IRJU, ISMJ, ISMJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NORARS Array S, Kingsbay, ARCS ARCESS Array B, etc.

ISCJB 17 15:56:56.9, 0.9, 15.59S, 0.06, 167.7E, 0.2, h124km, mb4.2/13, Error ellipse: s-maj=25.9km s-min=8.6km

ISC 17 15:56:58.6, 3.6, 15.63S, 167.70E, h123km, 35km, mb3.9/14, mb1.4/0.15, mb1mx3.8/4.9, mbtmp3.4/15, Error ellipse: s-maj=25.8km s-min=22.7km az=131.0

ISC 17 15:56:58.2, 0.9, 15.61S, 0.09, 167.8E, 0.2, h124km, n25, az=117.25, mb4.3/12, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Charters Tower, Warramunga Arr, etc.

5.9nm, 0.8s, baz=121, slow=3.4, SNR=11

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TINTI Ternate, LBMI Labuha, SGSI Sangihe, etc.

ISCJB 17 16:04:36.2, 1.0, 36.51N, 0.05, 71.4E, 0.1, h200km, Error ellipse: s-maj=16.9km s-min=4.8km az=164.7

NCC 17 16:04:41.0, 2.2, 36.92N, 71.23E, h222km, 24km, mb2.9, mpv4.1, Error ellipse: s-maj=25.4km s-min=17.2km az=51.0

ISC 17 16:04:35.2, 1.5, 36.49N, 0.09, 71.3E, 0.2, h200km, n29, az=159.93, 6C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK Suhi-Kurgan, AML Almayashu, MNAS Manas, etc.

ISCJB 17 16:09:26.0, 0.5, 6.76S, 154.52E, h0km, mb4.7/22, mb1.4/7.25, ms1mx4.6/5.3, mbtmp4.6/25, ML3.3/13, MS4.3/26, MS1.4/3.26, ms1mx4.1/4.6, Error ellipse: s-maj=15.9km

NEIC 17 16:09:29.3, 1.9, 6.79S, 154.53E, h15km, 11km, mb5.0/43, Error ellipse: s-maj=7.4km s-min=5.9km az=119.0

ISCJB 17 16:09:30.7, 0.2, 6.85S, 0.03, 154.54E, 0.03, h39km, mb4.9/95, MS4.7/39, Error ellipse: s-maj=5.1km s-min=3.5km az=161.3

MOS 17 16:09:31.0, 1.5, 6.73S, 154.34E, h40km, mb5.2/26, MS5.1/4, Error ellipse: s-maj=10.8km s-min=8.3km az=96.5

DJA 17 16:09:32.0, 0.8, 7.54S, 151.5E, h36km, 7km, M5.2/43, mb5.6/13, mb5.0/43, MLV5.6/1, Mw(MB)5.1/13

GCMT 17 16:09:33.0, 0.2, 7.00S, 0.01, 154.45E, 0.01, h17km, Mw=2.101, Moment Tensor Solution, s77, c102, s101, c167, Duration: 161, Moment tensor: Scale 1016

M3: M=6.17e; 18; M=3.29e; 11; M=2.87e; 12; M=3.33e; 30; M=2.68e; 09; M=3.61e; 34; Best double couple: Mw 7.2900e+10, NP1=136.00000e+08, 865.00000e+08, 82.00000e+08, NP2=310.00000e+08, 825.00000e+08, 1.85.00000e+09, Principal axes: T 7.9370, Plg70.0000e+08, Azm50.0000e+08, N -0.4060, Plg2.0000e+08, Azm315.0000e+08, P -7.5220, Plg20.0000e+08, Azm224.0000e+08; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s.

Triangular moment-rate function

Bull 17 16:09:33.7, 2.27S, 154.74E, h55km, mb5.0/62, mb5.2/47, Mw=4.920, Ms=7.5, 14.7

ISC 17 16:09:32.4, 0.3, 6.76S, 0.05, 154.50E, 0.05, h39km, n341, az=157.7348, mb4.9/95, MS4.7/39, 13C-4D, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RABL Rabaul, HNR Honiara, PMG Port Moresby, etc.

comp=Z, 3um, 20.3s, baz=37, slow=36

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Coen, JATS Jayapura, etc.

NJ2	comp=Z,340nm,5.6s	LR	LR		
NJ2	comp=Z,4µm,15.5s	LR	LR		
NJ2	comp=Z,4µm,12.7s	LR	LR		
ASAJ	comp=Z,5µm,12.0s	LR	LR		
Asahikawa	51.77 349	LR	LR	16 39 33.9	
ASAJ	comp=Z,357nm,19.7s,baz=180,slow=35				
RGRI	Rengat	52.42 275	P	P	16 18 43.9 +2.4
SDSI	Sungai Dareh	53.23 274	P	P	16 18 47.7 +0.2
WHN	Wuhan	53.43 316	UP	P	16 18 50.4 +1.8
WHN	comp=Z,130nm,1.2s				
WHN	comp=Z,3µm,14.0s	LR	LR		
WHN	comp=Z,4µm,11.7s	LR	LR		
WHN	comp=Z,4µm,13.9s	LR	LR		
USRK	Ussuriysk Ar.	54.64 340	P	P	16 18 56.3 -1.0
USAOB	Ussuriysk Arra	54.64 340	eP	P	16 18 56.2 -1.0
MNSI	Mandailing Nat	55.31 276	P	P	16 19 03.8 +1.2
PPT	Papeete	55.54 107	LR	LR	16 39 39.7
PPT2	Papeete2	55.54 107	eS	S	16 26 47.0 -0.6
PPT2	comp=Z,1µm,33.2s	eLQ	LQ		16 32 56.2
PPT2	comp=Z,338nm,31.2s,baz=280	eLR	LR		16 35 12.9
TBI	Tubuai	56.23 113	eLQ	LQ	16 33 14.6
TBI	comp=Z,940nm,29.8s	eLR	LR		16 35 30.9
ENH	Enshi	56.71 313	eP	P	16 19 12.3 -0.2
NAYO	Nakayok	56.75 292	P	P	16 19 16.1 +3.2
CN2	Changchun	56.77 335	eP	P	16 19 11.9 -0.6
GYA	Guiyang	56.92 308	eP	P	16 19 15.0 +1.0
UTTA	Uttaradi	58.55 295	P	P	16 19 30.6 +5.1
NANT	Nan	58.78 297	P	P	16 19 30.9 +3.8
UTHA	Uthaitani	58.86 293	P	P	16 19 31.2 +3.5
PHRA	Phrae	59.10 296	P	P	16 19 32.4 +3.1
KLR	Kul'dur	59.19 342	UP	P	16 19 28.2 -1.2
XAN	Xi'an	59.19 316	P	P	16 19 29.5 -0.3
XAN	comp=Z,28nm,1.3s				
XAN	comp=Z,1.70nm,3.7s				
XAN	comp=Z,1µm,18.0s	LR	LR		
XAN	comp=Z,530nm,16.9s	LR	LR		
SUKH	Sukhothai	59.30 295	P	P	16 19 34.6 +3.9
KMI	Kunming	59.47 304	P	P	16 19 34.3 +2.2
KMI	comp=Z,3µm,10.6s				
KMI	comp=Z,2.0nm,1.0s				
KMI	comp=Z,150nm,4.1s				
KMI	comp=Z,970nm,11.5s				
KMI	comp=Z,2µm,12.1s				
UMPA	Umpang Tak	59.59 293	P	P	16 19 37.4 +4.6
PETK	Petrovlovsk	59.70 2	LR	LR	16 45 44.8
PAYA	Payao	59.71 297	P	P	16 19 38.0 +4.4
CM01	Chiang Mai Arr	60.21 296	eP	P	16 19 37.6 +0.6
CMAR	Chiang Mai Arr	60.23 296	P	P	16 19 37.9 +0.8
CMAR	Chiang Mai Arr	60.23 296	eP	P	16 19 38.9 +1.7
CMMT	Chiang Mai	60.35 296	P	P	16 19 40.1 +2.2
CHTO	Chiang Mai	60.35 296	eP	P	16 19 36.2 -1.7
CHTO	Chiang Mai	60.35 296	eP	P	16 19 36.2 -1.7
CHTO	Chiang Mai	60.35 296	P	P	16 19 40.2 +2.2
CD2	Chengdu	61.28 311	eP	P	16 19 43.5 -0.6
CD2	comp=Z,10.0nm,0.5s				
HHC	Hu-ho-hao-te	61.61 324	eP	P	16 19 47.1 +0.9
HHC	comp=Z,36nm,1.2s				
HHC	comp=Z,130nm,7.1s				
HHC	comp=Z,630nm,16.7s				
HHC	comp=Z,620nm,17.1s				
HIA	Hailar	63.50 335	UP	P	16 19 58.2 -0.4
LZH	Lanzhou	63.80 316	eP	P	16 20 02.8 +1.8
LZH	comp=Z,200nm,1.1s				
LZH	comp=Z,84nm,1.1s				
LZH	comp=Z,200nm,5.2s				
LZH	comp=Z,2µm,12.5s				
LZH	comp=Z,2µm,11.7s				
ZEA	Zeya	64.50 342	eP	P	16 20 04.2 -0.8
ZEA	comp=N,24nm,1.0s				
MA2	Magadan	66.19 358	iP	P	16 20 18.5 +2.7
CASY	Casey	66.67 198	eP	P	16 20 17.4 -1.4
GTA	Gaotai	68.23 317	P	P	16 20 30.4 +1.0
GTA	comp=Z,16nm,1.1s				
GTA	comp=Z,26nm,1.4s				
GTA	comp=Z,130nm,11.0s				

GTA	comp=Z,180nm,18.6s	LR	LR		
GTA	comp=Z,490nm,24.4s	LR	LR		
ULN	Ulanbatar	68.54 328	eP	P	16 20 30.8 -0.4
ULN	Ulanbatar	68.54 328	eP	P	16 20 30.8 -0.4
SHL	Shillong	68.75 301	eP	P	16 20 34.5 +1.6
SOMM	Songino Arra	68.87 327	P	P	16 20 33.7 +0.5
SONAT	Songino Arra	68.87 327	eP	P	16 20 33.7 +0.5
RKT	Rikitea	69.49 112	eLR	LR	16 41 35.5
LSA	Lhasa	70.73 305	P	P	16 20 46.6 +1.2
LSA	Lhasa	70.73 305	P	P	16 20 41.6 -3.8
LSA	Lhasa	70.73 305	P	P	16 20 41.6 -3.8
VNDA	Vanda	70.83 178	P	P	16 20 44.6 0.0
VNDA	comp=Z,3.9nm,1.1s,baz=327,slow=6.2,SNR=7.0				16 49 00.6
YAK	Yakutsk	71.22 348	eP	P	16 20 46.3 -0.8
YAK	Yakutsk	71.22 348	eP	P	16 20 44.8 -2.3
YAK	comp=Z,1.1µm,1.1s				16 21 02.1 -1.3
YAK	comp=Z,1.1µm,1.1s				16 21 02.9
YAK	comp=Z,1.1µm,1.1s				16 25 05.6
YAK	comp=Z,1.1µm,1.1s				16 29 57.7 -3.6
YAK	comp=Z,1.1µm,1.1s				16 30 25.4 +0.6
YAK	comp=Z,1.1µm,1.1s				16 30 45.5
YAK	comp=Z,1.1µm,1.1s				16 34 30.5 -5.5
YAK	comp=Z,1.1µm,1.1s				16 37 48.8
YAK	comp=Z,15nm,0.9s				
YAK	comp=N,4.0nm,1.0s				
YAK	comp=Z,57nm,4.1s				
YAK	comp=N,49nm,4.3s				
YAK	comp=N,62nm,3.4s				
YAK	comp=N,62nm,3.4s				
ZAK	Zakamensk	72.03 328	eP	P	16 20 52.5 +0.1
ZAK	comp=Z,12nm,1.3s				
BOD	Bodaibo	72.21 339	eP	P	16 20 50.8 -2.4
BOD	comp=Z,7.0nm,1.6s				
IRK	Irkutsk	72.63 330	eP	P	16 20 55.3 -0.5
ODAN	Odare	72.98 301	eP	P	16 20 59.5 +0.8
RAMN	Ramite	73.69 300	eP	P	16 21 04.3 +1.4
JIRN	Jiri	74.24 301	eP	P	16 21 06.8 +0.5
GUN	Gumba	74.57 301	eP	P	16 21 08.9 +0.7
PKIN	Phulchok	74.89 301	eP	P	16 21 09.9 +1.0
KKN	Kakani	75.05 301	eP	P	16 21 11.3 +0.5
DMN	Daman	75.15 301	eP	P	16 21 12.2 +0.8
GKN	Gorkha	75.65 301	eP	P	16 21 14.5 +0.3
KOLD	Koldanda	76.48 301	eP	P	16 21 19.2 +0.3
DANN	Dangsing	76.49 301	eP	P	16 21 19.3 +0.2
PYUN	Piuthan	77.08 301	eP	P	16 21 22.2 -0.1
WMQ	Urumqi	78.31 317	P	P	16 21 29.6 +0.9
WMQ	comp=Z,38nm,1.3s				16 21 41.3 +0.7
WMQ	comp=Z,38nm,1.3s				16 21 49.1 +4.0
WMQ	comp=Z,38nm,1.3s				16 31 15.9 -5.5
WMQ	comp=Z,38nm,1.3s				16 31 27.5 -1.3
WMQ	comp=Z,340nm,3.7s				
WMQ	comp=Z,1µm,18.7s				
WMQ	comp=Z,1µm,15.5s				
DGZ	Jazzator, Alta	80.65 323	iP	P	16 21 41.4 0.0
IM3	Indian Mountai	81.67 19	eP	P	16 21 45.7 -0.5
RND	Reindeer	81.88 22	eP	P	16 21 46.5 -1.0
RND	Reindeer	81.88 22	eP	P	16 21 46.5 -1.0
MCK	McKinley	82.02 22	eP	P	16 21 47.2 -1.0
MCK	McKinley	82.02 22	eP	P	16 21 47.2 -1.0
KLU	Klutina	82.03 25	eP	P	16 21 48.6 +0.2
MLY	Manley	82.10 20	eP	P	16 21 48.3 -0.3
MK01	Makanchi Array	82.89 319	eP	P	16 21 52.8 -0.3
MK31	Makanchi Array	82.90 319	eP	P	16 21 53.6 +0.5
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.2 0.0
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.2 0.0
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.6 +0.5
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.6 +0.5
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.9 +0.8
MKAR	Makanchi Array	82.90 319	eP	P	16 21 53.9 +0.8
ILAR	Eielson Array	83.34 22	P	P	16 21 52.7 -2.2
ILAR	comp=Z,5.5nm,1.0s,baz=257,slow=4.8,SNR=31				16 56 52.2
IL1	Eielson Array	83.34 22	eP	P	16 21 52.3 -2.7
COLD	Coldfoot	83.55 19	eP	P	16 21 55.9 0.0
ZAAO	Zalesovo Beam	83.71 326	eP	P	16 21 55.2 -1.9
ZALV	Zalesovo Beam	83.71 326	eP	P	16 21 55.7 -1.4
ZALV	Zalesovo Beam	83.71 326	eP	P	16 21 55.4 +4.2
ZALV	Zalesovo Beam	83.71 326	eP	P	16 21 55.4 -1.7
ZALV	Zalesovo Beam	83.71 326	eP	P	16 21 58.9 +0.8
PDGK	Podgornoye	83.82 315	P	P	16 21 58.9 +0.8
MAW	Mawson	84.42 203	P	P	16 22 00.7 +0.3
MAW	comp=Z,17nm,1.1s				16 57 26.6
MAW	comp=Z,17nm,1.1s				16 22 01.1 +0.6
TOLK	Toolik Lake Re	84.55 18	eP	P	16 21 59.0 -2.2
TOLK	Toolik Lake Re	84.55 18	eP	P	16 21 59.0 -2.2
NVS	Novosibirsk	84.88 327	iP	P	16 22 03.0 0.0
NVS	comp=Z,14nm,1.5s				

NVS	comp=N,2.0nm,1.4s				
EGAK	Eagle	85.49 23	eP	P	16 22 02.2 -3.7
DAWY	Dawson	85.88 24	eP	P	16 22 05.2 -2.7
KURK	Kurchatov	86.34 322	P	P	16 22 10.3 -0.1
KURK	Kurchatov	86.34 322	eP	P	16 22 09.7 -0.6
KURB	Kurchatov Arra	86.37 322	P	P	16 22 10.3 -0.2
WRAC	Wrangell Island	86.40 32	eP	P	16 22 10.7 +0.2
FRU	Bishkek	87.18 314	eP	P	16 22 14.0 -0.7
AAK	Ala-Archa	87.23 313	iP	P	16 22 15.5 +0.4
AAK	comp=Z,7.0nm,1.2s				
SFK	Sufi-Kurgan	87.45 311	P	P	16 22 17.1 +0.8
SFK	comp=Z,2.26nm,1.6s				
DLBC	Dease Lake	88.19 31	eP	P	16 22 18.7 -0.5
NRIK	Noril'sk	88.35 341	P	P	16 22 18.1 -1.6
J01D	Myrtle Point	88.46 46	P	P	16 22 20.6 -0.1
L02D	Cave Junction,	88.52 47	P	P	16 22 21.0 -0.1
K02D	Wilamette Mer	88.57 47	P	P	16 22 21.6 +0.2
O02D	Mt. Diablo Mer	88.78 49	P	P	16 22 22.4 0.0
M02C	Callahan	88.94 48	P	P	16 22 23.2 0.0
N02D	Trinity Center	88.97 49	P	P	16 22 23.4 +0.1
I03D	Drain, OR	88.98 46	P	P	16 22 23.0 -0.1
HUMO	Hull Mountain	89.07 47	eP	P	16 22 22.5 -1.2
YBH	Yreka Blue Hor	89.10 48	LR	LR	16 56 48.1
G03D	McMinnville, O	89.31 44	P	P	16 22 24.3 -0.4
L04D	Klamath Falls,	89.48 48	P	P	16 22 26.0 +0.2
O03D	Payne Creek	89.54 49	P	P	16 22 25.4 -0.6
H04D	Lebanon	89.56 45	P	P	16 22 25.5 -0.4
BAVM	Antelope Valle	89.57 53	eP	P	16 22 27.9 +1.7
I04A	Tendick Farm,	89.66 46	P	P	16 22 25.9 -0.6
M04C	Macdoel	89.75 48	P	P	16 22 26.7 -0.3
J04D	Umpqua Nationa	89.79 47	P	P	16 22 27.1 -0.1
D03D	Eldon	89.84 42	P	P	16 22 26.9 -0.2
AFDM	Forest Hills D	89.97 51	eP	P	16 22 27.0 -1.0
D04D	Lakebay	89.99 43	P	P	16 22 28.0 +0.2
E04D	Cinebar	90.02 43	P	P	16 22 27.8 -0.2
A04D	Lummi Island	90.29 41	P	P	16 22 29.4 +0.2
PKM	Mpherson Peak	90.30 55	P	P	16 22 30.7 +0.8
SCZ2	Santa Cruz Isl	90.32 56	P	P	16 22 29.5 -0.3
J05D	Fort Rock, OR	90.43 47	P	P	16 22 30.0 -0.2
I05D	Tennoonne, OR	90.51 46	P	P	16 22 30.3 -0.2
K05A	Summer Lake	90.59 47	eP	P	16 22 29.8 -1.3
PINE	Pine Mountain	90.72 46	eP	P	16 22 30.1 -1.5
MOD	Modoc Plateau	90.90 48	eP	P	16 22 30.3 -2.1
PNTR	Pine Nut	91.04 51	eP	P	16 22 34.0 +0.7
WAKR	Walker	91.09 52	eP	P	16 22 34.1 +0.6</

17d 16h

Table with columns: TPV, Topopah Spring, 93.42, 53, eP, P, 16 22 43.8 -0.4, RETA, Reutte, 128.97, 329, ePKIKP, PKPpdf, 16 28 36.1 -0.2, etc.

Table with columns: RETA, Reutte, 128.97, 329, ePKIKP, PKPpdf, 16 28 36.1 -0.2, MEM, Membach, 129.02, 335, PKP, PKPpdf, 16 28 36.2 +0.1, etc.

Table with columns: H1N1, WAKE ISLAND HY 35.34, 97, T, T, 17 08 24.5, H1N3, WAKE ISLAND HY 35.35, 97, T, T, 17 08 29.6, etc.

MTKI	Muara Teweh, K	8.82 327	P	Pn	16 32 15.3 +0.9
SANI	Sanana	8.87 45	P	Pn	16 32 16.2 +1.3
NLAI	Namlea	8.95 56	P	Pn	16 32 17.9 +1.9
MRSI	Marisa	9.09 14	P	Pn	16 32 20.0 +2.2
UGM	Wanagama	9.12 272	P	Pn	16 32 18.7 +0.5
SMRI	Samarang	9.29 276	P	Pn	16 32 21.1 +0.6
SMRI	Samarang	9.29 276	ePn	Pn	16 32 21.1 +0.6
AMH	Ambon	9.64 61	P	Pn	16 32 26.7 +1.6
PBKI	Pangkalan Bun	9.80 305	P	Pn	16 32 28.0 +0.8
KPJ	Karang Pucung	10.74 275	P	Pn	16 32 39.2 -0.3
BNDI	Bandanaria	10.83 70	P	Pn	16 32 40.8 +0.2
LBMI	Labuati	10.92 277	P	Pn	16 32 43.1 +1.3
FITZ	Fitzroy Crossi	11.24 150	P	Pn	16 32 46.8 +0.8
1.1nm, 0.3s, baz=333, slow=5.8, SNR=30					
FITZ	Fitzroy Crossi	11.24 150	S	Sn	16 34 47.2 -3.4
5.0nm, 0.3s, baz=184, slow=16.1, SNR=19					
FITZ	Fitzroy Crossi	11.24 150	ePn	Sn	16 32 46.1 +0.2
FITZ	Fitzroy Crossi	11.24 150	S	Sn	16 34 47.2 -3.4
CISI	Cisompot, Garu	11.82 273	P	Pn	16 32 51.7 -1.9
CISI	Cisompot, Garu	11.82 273	ePn	Pn	16 32 50.8 -2.8
MTN	Manton Dam	12.06 112	ePn	Pn	16 32 56.1 -0.5
LEIM	Lembarau	12.10 277	P	Pn	16 32 57.6 +0.4
WBVA	Marble Bar	12.69 180	ePn	Pn	16 33 05.6 +0.9
DBJI	Dramaga	12.99 277	P	Pn	16 33 07.9 -0.6
FAKI	Fak Fak	13.29 67	ePn	Pn	16 33 14.0 -2.2
SJI	Sorong	13.72 58	P	Pn	16 33 16.4 -1.4
RKPI	Ransiki, Papua	15.84 65	P	P	16 33 46.6 +1.2
38nm, 0.6s, 3um					
BAKI	Biak	17.82 67	P	Pn	16 34 07.5 -0.2
WRA	Warrungarra Arr	18.22 313	P	P	16 34 10.8 +0.4
8.0nm, 0.3s, baz=310, slow=12.1, SNR=176					
WRA	Warrungarra Arr	18.22 313	S	P	16 37 28.2 -2.0
1.7nm, 0.3s, baz=307, slow=20.1, SNR=15					
WB2	Warrungarra Arr	18.23 313	ePn	P	16 34 11.1 +0.5
ASAR	Alice Springs	20.38 140	P	P	16 34 34.7 +1.0
16nm, 0.4s, baz=314, slow=9.4, SNR=568					
ASAR	Alice Springs	20.38 140	S	P	16 33 17.7 -1.1
5.8nm, 0.8s, baz=322, slow=22.1, SNR=11					
ASAR	Alice Springs	20.38 140	PcP	PcP	16 38 38.8 -0.6
1.3nm, 0.4s, baz=330, slow=1.4, SNR=6					
ASAR	Alice Springs	20.38 140	ScP	ScP	16 41 57.4 -2.6
1.4nm, 0.5s, baz=324, slow=2.2, SNR=5.2					
ASO1	Alice Springs	20.41 140	eP	P	16 34 33.9 -0.1
JAY	Jayapura	21.66 78	P	P	16 34 46.4 -1.3
3.9nm, 0.7s, baz=259, slow=8.3, SNR=14.6					
COEN	Coen	23.66 106	eP	P	16 35 06.4 +0.2
18nm, 0.6s					
NWO	Narrogin (SRO)	24.52 185	P	P	16 35 15.6 +1.8
4.5nm, 0.6s, baz=245, slow=9.3, SNR=7.4					
CTA	Charters Tower	28.18 117	P	P	16 35 47.5 +0.8
1.8nm, 0.5s, baz=290, slow=1.1, SNR=7.6					
CD2	Chengdu	41.97 339	eP	P	16 37 42.5 -1.9
KSR5	Korea Array	46.25 9	eP	P	16 38 59.1 +3.0
2.1nm, 0.1s, baz=182, slow=3.4, SNR=5.9					
SOMM	Songino Array	57.21 349	P	P	16 39 38.8 +0.0
0.7nm, 0.5s, baz=173, slow=8.0, SNR=5.9					
CASY	Casy	58.15 184	eP	P	16 39 46.9 +1.4
4.3nm, 0.6s					
MK01	Makanchi Array	64.22 332	eP	P	16 40 23.6 -3.2
MKAR	Makanchi Array	64.25 332	P	P	16 40 25.4 -1.5
ZALV	Zalesovo Beam	68.73 339	P	P	16 40 52.6 -2.5
1.2nm, 0.3s, baz=146, slow=5.0, SNR=85					
ZALV	Zalesovo Beam	68.73 339	PcP	PcP	16 41 37.5 +1.6
1.2nm, 0.6s, baz=134, slow=4.3, SNR=2.1					
KURBB	Kurchatov Arra	68.75 333	P	P	16 40 53.3 -2.0
0.3nm, 0.4s, baz=145, slow=4.9, SNR=9.9					
KURK	Kurchatov	68.75 333	P	P	16 40 53.2 -2.2
MAW	Mawson	70.05 200	P	P	16 41 05.2 +2.2
3.2nm, 0.6s, baz=98, slow=8.3, SNR=10					
VNDA	Vanda	72.47 171	eP	P	16 41 19.4 +1.9
2.7nm, 0.5s, baz=315, slow=6.8, SNR=28					
VNDA	Vanda	72.47 171	eP	P	16 41 19.0 +1.5
2.6nm, 0.6s					
QSPA	South Pole Qui	81.60 180	P	P	16 42 10.3 +1.6
2.4nm, 0.6s, baz=300, slow=4.2, SNR=11					
BOSA	Boshof	89.92 23	P	P	16 42 51.2 +0.7
3.4nm, 0.5s, baz=104, slow=6.7, SNR=6.4					
SNA4	Sanae	91.77 195	P	P	16 42 59.9 +1.8
2.5nm, 0.5s, baz=177, slow=5.9, SNR=44					
TORD	Torodi Arr, Be	119.05 200	PKP	PKP	16 48 38.2 -1.3
0.2nm, 0.3s, baz=34, slow=4.0, SNR=4.9					
TXAR	Lajitas Array	134.31 57	SKPbc	SKPbc	16 46 58.18 -3.5
0.5nm, 0.9s, baz=259, slow=1.9, SNR=4.7					
CPUP	Villa Florida	145.37 185	PKPbc	PKPbc	16 49 29.1 +0.3
4.9nm, 0.5s, baz=184, slow=6.8, SNR=28					
LPAZ	La Paz	154.28 162	PKPab	PKPab	16 50 08.3 +2.2
3.6nm, 0.6s, baz=198, slow=4.1, SNR=8.3					

RVZ	Ruwiri	2.27 253	Pn	Pn	16 41 19.4 +0.7
KNZ	Kokoho	2.28 239	Pn	Pn	16 41 19.9 +1.1
SNZG	Shannon Statio	2.41 247	Pn	Pn	16 41 21.8 +1.1
URZ	Urewera	2.45 260	Pn	Pn	16 41 24.1 +1.2
EDRZ	Edgcombe	2.73 264	Pn	Pn	16 41 25.8 +0.7
OPRH	Ohipanea	2.85 260	Pn	Pn	16 41 26.1 +0.7
OPRH	Ohipanea	2.87 269	Pn	Pn	16 41 26.6 +0.4
NMH	Naumai	2.92 244	Pn	Pn	16 41 29.0 +1.4
TARZ	Mount Tarawera	2.92 262	Pn	Pn	16 41 28.4 +0.7
RRRZ	Republican Roa	2.93 260	Pn	Pn	16 41 28.6 +0.7
CKHZ	Cap Kidnapper	3.01 233	Pn	Pn	16 41 30.7 +1.8
OTVZ	Outire	3.21 256	Pn	Pn	16 41 32.5 +1.8
MCHZ	McNeill Hill	3.15 239	Pn	Pn	16 41 32.1 +1.4
BKZ	Black Stump Fm	3.17 245	Pn	Pn	16 41 31.9 +0.8
KAHZ	Kahurangi	3.21 232	Pn	Pn	16 41 32.8 +1.1
PKZ	Pawauhi	3.37 229	Pn	Pn	16 41 33.9 +0.2
GHZ	Black Hill Sta	3.60 242	Pn	Pn	16 41 38.0 +1.8
WHZ	Waikupura	3.65 232	Pn	Pn	16 41 38.4 +0.8
PRHZ	Porangahau	3.65 228	Pn	Pn	16 41 37.5 -0.1
TLZ	Tolley Road	3.69 262	Pn	Pn	16 41 38.3 0.0
PNHZ	Pukeni	3.71 236	Pn	Pn	16 41 39.4 +0.8
KUZ	Kuaitutu	3.73 286	Pn	Pn	16 41 37.0 -1.8
OTVZ	Outire	3.77 240	Pn	Pn	16 41 40.3 +0.9
MOVZ	Moawhanga	3.79 245	Pn	Pn	16 41 42.2 +2.5
NGZ	Ngauruhoe	3.82 249	Pn	Pn	16 41 41.8 +1.6
WVNZ	Wahianoa	3.87 247	Pn	Pn	16 41 42.0 +1.1
FWVZ	Far West T-bar	3.88 248	Pn	Pn	16 41 42.2 +1.1
TKPZ	Takapari Road	3.95 235	Pn	Pn	16 41 42.1 +1.3
DVHZ	Dunrobin	4.07 240	Pn	Pn	16 41 42.1 +0.3
MKAZ	Moumaki	4.07 279	Pn	Pn	16 41 42.6 -0.8
BRZ	Birch Farm	4.15 226	Pn	Pn	16 41 43.3 -1.2
PFZ	Pori Road	4.23 229	Pn	Pn	16 41 46.1 +0.5
POWZ	Post Office Ro	4.25 232	Pn	Pn	16 41 46.8 +0.8
TIWZ	Tintock	4.42 226	Pn	Pn	16 41 47.8 -0.4
VRZ	Veru Road	4.43 252	Pn	Pn	16 41 49.9 +1.4
WAZ	Wanganui	4.47 244	Pn	Pn	16 41 51.9 +3.0
MRZ	Mangatainoka R	4.53 231	Pn	Pn	16 41 49.4 -0.4
TMWZ	Te Maipa	4.63 224	Pn	Pn	16 41 50.8 -0.4
HOWZ	Holdsworth Sta	4.71 229	Pn	Pn	16 41 51.0 -1.2
MTW	Mount Tison	4.88 226	Pn	Pn	16 41 52.8 -1.9
NEZ	North Egmont	4.97 252	Pn	Pn	16 41 58.5 +2.6
KIW	Kapiti Island	5.06 232	Pn	Pn	16 41 56.6 -0.4
PAZ	Paiu Caves	5.06 291	Pn	Pn	16 41 55.6 -0.8
WCZ	Waipua Farm	5.07 225	Pn	Pn	16 41 55.6 -1.6
CAW	Canon Point	5.11 229	Pn	Pn	16 41 56.5 -1.1
MSWZ	Moku Station	5.20 229	Pn	Pn	16 41 56.0 -2.0
PLWZ	Palliser	5.29 224	Pn	Pn	16 41 58.3 -2.0
DUWZ	D'Urville Isla	5.67 237	Pn	Pn	16 42 05.4 +0.1
NLZ	Nelson	6.23 235	Pn	Pn	16 42 12.3 -0.7
KHZ	Chatham Island	6.34 158	Pn	Pn	16 42 17.5 +2.9
QAZ	Quartz Range	6.42 221	Pn	Pn	16 41 52.9 -1.9
CTZ	Kahurangi	6.82 226	Pn	Pn	16 42 19.0 -2.1
LTZ	Lake Taylor	7.18 222	Pn	Pn	16 42 32.5 -1.9
MOZ	McQueen's Vall	8.75 228	Pn	Pn	16 42 37.9 -1.6
OXZ	Oxford	8.25 226	Pn	Pn	16 42 38.7 -2.0
TUZ	Tuapeka	11.26 221	Pn	Pn	16 43 21.2 -0.8
ASAR	Alice Springs	41.80 277	P	P	16 48 30.4 +0.1
0.7nm, 0.5s, baz=120, slow=1.8, SNR=14					
ASAR	Alice Springs	41.80 277	P	P	16 48 42.8 -1.0
0.8nm, 0.4s, baz=121, slow=7.8, SNR=27					
WRA	Warrungarra Arr	43.45 282	P	P	16 48 42.8 -1.0
0.7nm, 0.5s, baz=144, slow=9.6, SNR=4.4					
FITZ	Fitzroy Crossi	51.29 277	LR	LR	17 10 20.5
0.7nm, 0.6s, baz=144, slow=9.6, SNR=4.4					
FITZ	Fitzroy Crossi	51.29 277	LR	LR	17 10 20.5
comp=2.80nm, 18.2s, baz=61, slow=1.9					
FITZ	Fitzroy Crossi	51.29 277	P	P	16 49 45.4 +0.6
QSPA	South Pole Qui	52.25 180	LR	LR	17 10 48.2
comp=2.61nm, 20.4s, baz=246, slow=32					
FINES	FINES Array B	151.43 334	PKPbc	PKPbc	17 00 41.7 0.0
FINES	FINES Array B	151.43 334	PKPbc	PKPbc	17 00 41.7 0.0

FITZ	Fitzroy Crossi	30.36 246	P	P	16 57 25.7 -1.5
1.4nm, 0.6s, baz=54, slow=8.5, SNR=11					
JHJ	Hachijo jima 2	42.16 341	LR	LR	17 14 01.7
comp=2.29nm, 19.1s, baz=86, slow=32					
NWAO	Narrogin (SRO)	43.12 228	LR	LR	17 15 11.0
comp=2.66nm, 18.3s, baz=304, slow=33					
MKAR	Makanchi Array	83.03 319	P	P	17 03 40.0 -0.3
1.7nm, 0.4s, baz=98, slow=5.4, SNR=15					
ZALV	Zalesovo Beam	83.32 326	P	P	17 03 43.6 -0.5
0.5nm, 0.4s, baz=129, slow=5.9, SNR=2.8					
ZALV	Zalesovo Beam	83.32 326	LR	LR	17 42 33.2
comp=2.21nm, 18.6s, baz=106, slow=37					
KURBB	Kurchatov Arra	86.50 322	P	P	17 03 56.5 -1.1
0.9nm, 0.4s, baz=96, slow=5.4, SNR=2.8					
NVAR	Mina Array Bea	91.93 52	P	P	17 04 24.8 +1.0
1.2nm, 0.9s, baz=250, slow=7.5, SNR=4.3					
GERES	GERES Array B	126.71 329	PKP	PKP	17 10 17.8 -0.6
0.3nm, 0.6s, baz=54, slow=6.3, SNR=11					
LPAZ	La Paz	131.88 119	PKP	PKP	17 10 28.9 -0.6
2.8nm, 0.3s, baz=54, slow=2.8, SNR=16					
TORD	Torodi Arr, Be	152.61 285	PKPbc	PKPbc	17 11 21.1 -0.2
0.7nm, 0.8s, baz=90, slow=3.0, SNR=3.8					
TORD	Torodi Arr, Be	152.61 285	PKP	PKP	17 11 22.8 -0.1
0.8nm, 0.7s, baz=113, slow=4.3, SNR=9.3					
IDC 17 16:57:45.3:1.8, 35:62N:142:02E, h0km, mb3.4/2, mb1 3.5/5, mb1mx3.2/75, mbtmp3.4/5, ML3.4/3, Error ellipse: s-maj=4.1, 4km s-min=26.6km az=93.0					
ISCJBJ 17 16:57:46.1:0.9, 35:67N:0:05:142:03E:0:07, h22km, mb3.5/2, Error ellipse: s-maj=8.0km s-min=7.0km					
JMA 17 16:57:47.0:0.3, 35:71N:141:05E, h33km, mb3.4/2, M2.8					
ISC 17 16:57:48.1:1.4, 35:66N:0:06:141:93E:0:09, h22km, n17, o=58197, Near east coast of eastern Honshu					

17d 17h

17d 17h

17d 17h

Z40A	baz=188,SNR=5.1	15.99	7	P	P	19 23 16.8 +4.5
Z41A	Long Farm, Mag	16.07	9	P	P	19 23 16.9 +3.7
553A	Richland Creek	16.48	37	P	P	19 23 19.6 +1.8
Y40A	Crawfordville	16.75	7	P	P	19 23 26.0 +5.3
060Z	Okolona	16.79	55	P	P	19 23 22.0 +0.8
X39A	West Palm Beach	17.16	5	P	P	19 23 32.0 +6.8
MIAR	Fountain Ranch	17.24	6	ePn	P	19 23 27.9 +1.7
X40A	Mount Ida	17.28	8	ePn	P	19 23 31.3 +4.8
X40A	Basin Creek Fa					19 26 29.8 -8.2
W39A	Wichita Mounta	17.52	352	eSn	Sn	19 23 34.0 +4.8
W39A	Wichita Mounta	17.52	352	P	P	19 23 33.8 +4.6
LRAL	Lakeview Retre	17.53	25	P	P	19 23 31.7 +2.3
150A	Eclectic	17.59	28	P	P	19 23 34.8 +4.8
151A	Opelika	17.84	30	P	Pn	19 23 35.2 +2.1
Z49A	Columbiana	17.86	26	P	Pn	19 23 35.3 +1.9
W39A	Magazine	17.87	5	eP	Pn	19 23 35.5 +2.1
W39A	Magazine	17.87	5	eSn	Sn	19 26 49.7 -2.5
W39A	Magazine	17.87	5	P	P	19 23 36.6 +3.2
W40A	Ferguson Farm,	17.94	7	eP	P	19 23 34.3 +0.5
Y47A	UCPARC, Winfie	17.97	22	P	Pn	19 23 37.1 +2.4
OXF	Oxford	18.03	17	eP	Pn	19 23 37.5 +2.2
OXF	Oxford	18.03	17	eP	Pn	19 23 37.3 +2.0
W41B	Gary Mavity, V	18.04	10	eP	Pn	19 23 38.3 +2.8
W41B	Gary Mavity, V	18.04	10	P	Pn	19 23 38.8 +3.4
WHAR	Woolly Hollow	18.14	9	eP	P	19 23 35.6 -0.4
Z50A	Ashland	18.18	28	eP	Pn	19 23 38.3 +1.2
Z50A	Ashland	18.18	28	eSn	Sn	19 26 48.3 -1.1
Z50A	Ashland	18.18	28	P	Pn	19 23 39.0 +1.8
456A	Hilliard	18.31	41	eP	P	19 23 37.6 -0.4
X46A	Booneville	18.32	19	P	Pn	19 23 40.4 +1.5
Y49A	Blount Mountai	18.48	25	eP	Pn	19 23 41.5 +0.6
Y49A	Blount Mountai	18.48	25	P	Pn	19 23 41.9 +1.0
W44A	Shelby Farms P	18.51	6	eP	P	19 23 42.7 +1.6
V39A	Pettigrew	18.52	6	P	Pn	19 23 43.8 +2.5
X47A	Russelville	18.53	21	P	Pn	19 23 42.3 +1.0
V40A	Witts Springs	18.57	8	eP	Pn	19 23 43.0 +1.1
V40A	Witts Springs	18.57	8	eSn	S	19 27 02.0 -6.0
V41A	Mountainview	18.65	9	P	Pn	19 23 43.8 +1.9
X48A	Hartselle	18.76	23	eP	Pn	19 23 44.2 +1.3
X48A	Hartselle	18.76	23	eP	Pn	19 23 44.4 +0.2
Y50A	Piedmont	18.76	23	P	Pn	19 23 44.7 +0.6
V42A	Piedmont	18.80	27	P	Pn	19 23 45.7 +1.1
PLAL	Pickwick Lake	18.80	11	P	Pn	19 23 45.8 +1.2
PLAL	Pickwick Lake	18.88	20	eP	S	19 23 46.0 +0.5
255A	Hazlehurst	18.89	37	eS	S	19 27 03.9 -1.0
255A	Hazlehurst	18.89	37	P	P	19 23 44.5 +0.2
255A	Hazlehurst	18.89	37	P	Pn	19 23 47.1 +1.4
U39A	Green forest	19.07	6	P	Pn	19 23 48.8 +1.0
X49A	Woodville	19.09	25	P	Pn	19 23 48.3 +0.2
Y51A	Rockmart	19.10	28	P	Pn	19 23 48.4 +0.1
U40A	Yellville	19.11	7	P	Pn	19 23 48.9 +0.5
U41A	Viola	19.23	10	P	Pn	19 23 50.2 +0.5
Z53A	Monticello	19.32	33	P	P	19 23 49.8 +0.8
X50B	Fort Payne	19.32	26	P	Pn	19 23 50.7 -0.1
U42A	Reviden	19.36	11	P	Pn	19 23 51.4 +0.2
155A	Kite	19.41	36	P	P	19 23 51.8 0.0
W48A	Puleski	19.41	22	P	Pn	19 23 51.8 -0.1
GOGA	Godfrey	19.48	32	eP	P	19 23 51.5 +0.8
GOGA	Godfrey	19.48	32	P	Pn	19 23 52.1 -0.5
LENM	Lemitar	19.50	331	eP	Pn	19 23 55.4 +2.4
Y52A	Lilburn	19.54	30	eP	P	19 23 51.3 -0.1
Y52A	Lilburn	19.54	30	P	Pn	19 23 53.1 -0.3
V46A	Holladay	19.61	19	P	Pn	19 23 53.8 -0.4
W49A	Belvidere	19.65	24	P	P	19 23 54.0 +1.5
T38A	Diamond	19.66	4	P	Pn	19 23 54.9 +0.2
Z54A	Sparta	19.67	34	P	P	19 23 54.1 +1.3
GLAT	Glass	19.72	16	eP	P	19 23 50.2 -3.1
T39A	Cleaver	19.72	6	P	Pn	19 23 55.3 -0.2
X51A	Calhoun	19.75	28	P	P	19 23 54.9 +1.3
LAZ	Ladron	19.77	331	eP	P	19 23 54.1 +0.1
W47A	Nunnally	19.83	20	P	Pn	19 23 56.6 -0.2
SVET	Sewanee	19.86	24	eP	P	19 23 53.3 -1.6
ANMO	Albuquerque	19.93	334	LR	LR	19 31 54.0
ANMO	Albuquerque	19.93	334	eP	Pn	19 24 00.7 +2.6
PBMO	Poplar Bluff	19.93	13	eP	P	19 23 57.2 +1.6
T40A	Mansfield	19.94	8	P	P	19 23 56.6 +1.0
T41A	Mountain View	19.94	10	P	Pn	19 23 58.3 +0.2
156A	Sylvania	19.99	38	P	Pn	19 23 58.6 0.0
V48A	Smith Brothers	19.99	22	eP	P	19 23 56.4 +0.1
V48A	Smith Brothers	19.99	22	P	Pn	19 23 58.1 -0.5
WVT	Waverly	20.01	19	eP	P	19 23 57.7 +1.3
WVT	Waverly	20.01	19	P	Pn	19 23 58.4 -0.4
T42A	Van Buren	20.05	11	eP	P	19 23 58.2 +1.4
T42A	Van Buren	20.05	11	P	Pn	19 23 58.7 -0.5
W50A	Signal Mountai	20.10	26	P	P	19 23 59.1 +1.6
TUC	Tucson	20.11	321	eP	Pn	19 24 02.6 +2.4
Y54A	Tignall	20.23	33	P	P	19 23 60.0 +1.1

T43A	Greenville	20.26	13	P	Pn	19 24 01.0 -0.7
S38A	Stockton	20.27	4	P	Pn	19 24 01.8 -0.2
W51A	Cleveland	20.30	27	P	P	19 24 01.2 +1.7
S39A	Bolivar	20.38	6	eP	P	19 24 02.1 +1.7
S39A	Bolivar	20.38	6	P	Pn	19 24 03.1 -0.1
U47A	Clarksville	20.47	20	P	P	19 24 03.1 +1.8
S41A	Jillico Farms,	20.48	9	P	Pn	19 24 03.6 -0.7
S43A	Fulton Ridge,	20.77	13	P	P	19 24 06.3 +1.7
S42A	Caledonia	20.82	11	P	P	19 24 06.7 +1.5
T46A	Princeton	20.83	18	P	P	19 24 07.1 +1.8
CCM	Cathedral Cave	21.02	10	eP	P	19 24 10.7 +3.5
CCM	Cathedral Cave	21.02	10	P	P	19 24 09.4 +2.1
V51A	Loudon	21.02	27	eP	P	19 24 10.2 +2.9
V51A	Loudon	21.02	27	P	P	19 24 08.6 +1.2
T47A	Sharon Grove	21.02	20	eP	P	19 24 08.1 +0.8
T47A	Sharon Grove	21.02	20	P	P	19 24 09.4 +2.0
R39A	Chumby, Stover	21.03	6	P	P	19 24 09.2 +1.8
U49A	Red Boiling Sp	21.06	23	P	P	19 24 08.7 +1.0
NHSC	New Hope	21.09	39	P	P	19 24 10.5 +2.4
R40A	Maddies Statio	21.09	8	eP	P	19 24 09.3 +1.2
FVM	French Village	21.10	12	eP	P	19 24 09.1 +1.0
SIUC	Southern Illin	21.11	15	eP	P	19 24 11.3 +3.1
V53A	Saluda	21.61	30	eP	P	19 24 16.4 +2.8
R44A	Watsonville	21.64	15	P	P	19 24 15.3 +1.3
U51A	La Follette	21.65	27	P	P	19 24 14.9 +0.8
S47A	Hartford	21.65	20	P	P	19 24 14.9 +0.8
T49A	Edmonton	21.68	23	eP	P	19 24 15.7 +1.4
Q40A	Laux Farm, Aux	21.81	8	P	P	19 24 16.8 +1.0
R45A	Skylar, Fairri	21.89	16	P	P	19 24 17.7 +1.1
Q41A	Truxton	21.90	10	P	P	19 24 17.4 +0.8
TZTN	Tazewell	21.99	27	eP	P	19 24 19.6 +1.8
X16A	Lo Mia Camp, P	22.00	324	eP	P	19 24 20.4 +6.0
Q43A	New Douglas	22.17	13	P	P	19 24 20.4 +0.8
T51A	Gray	22.18	26	P	P	19 24 19.9 +0.2
Q44A	Meyer Farm, Va	22.28	14	P	P	19 24 21.7 +0.8
P38A	Dawn	22.29	5	eP	P	19 24 22.0 +1.2
P38A	Dawn	22.29	5	P	P	19 24 21.9 +1.0
P40A	Paris	22.34	8	P	P	19 24 22.3 +0.8
S49A	Springfield	22.37	22	P	P	19 24 21.7 0.0
R47A	Wooly Knot Far	22.40	19	P	P	19 24 22.9 +0.8
WCI	Wyandotte Cave	22.42	20	eP	P	19 24 22.4 +0.1
WCI	Wyandotte Cave	22.42	20	P	P	19 24 22.9 +0.6
Q45A	Warren Harvey,	22.49	16	P	P	19 24 23.7 +0.7
S50A	Richmond	22.61	24	P	P	19 24 24.5 +0.2
P41A	Barry, Barry	22.63	10	P	P	19 24 25.0 +0.5
P42A	Winchester	22.66	11	eP	P	19 24 25.9 +1.0
P42A	Winchester	22.66	11	P	P	19 24 25.3 +0.4
R48A	Northridge Ran	22.71	21	P	P	19 24 25.7 +0.4
P43A	Skaggs, Pawnee	22.88	13	P	P	19 24 27.5 +0.5
S51A	Beattyville	22.90	26	eP	P	19 24 27.1 -0.2
S51A	Beattyville	22.90	26	P	P	19 24 27.1 -0.2
P44A	Sand Creek, Wi	22.91	14	P	P	19 24 27.5 +0.1
Q40A	La Belle	22.95	8	P	P	19 24 28.6 +0.8
Q39A	Kirksville	23.00	6	P	P	19 24 28.8 +0.6
Q41A	Passeyes Farm,	23.09	10	P	P	19 24 29.5 +0.4
R50A	Paris	23.16	24	P	P	19 24 30.0 +0.2
P45A	Graceland, Par	23.19	16	P	P	19 24 30.8 +0.7
P45A	Graceland, Par	23.19	16	P	P	19 24 30.5 +0.4
Q48A	North Vernon	23.24	20	P	P	19 24 30.9 +0.3
P47A	Martinsville	23.27	19	P	P	19 24 34.1 +0.4
P48A	Milroy	23.82	20	P	P	19 24 36.2 +0.4
Q45A	Potomac	23.87	15	P	P	19 24 36.8 +0.5
M38A	Pleasantville	24.09	5	P	P	19 24 39.6 +1.4
P49A	Miami Univ. Ec	24.13	21	P	P	19 24 39.1 +0.6
SFIN	Lafayette	24.16	16	P	P	19 24 39.2 +0.4
Q51A	Peebles	24.19	24	eP	P	19 24 39.2 +0.1
N44A	Piper City	24.29	14	P	P	19 24 40.7 +0.7
O47A	Sheridan	24.29	18	P	P	19 24 40.3 +0.3
P50A	Jamestown	24.29	23	P	P	19 24 42.3 +0.1
O48A	Farmland	24.63	20	P	P	19 24 43.3 +0.2
M43A	Waltham Townsh	24.72	12	P	P	19 24 44.3 +0.4
GMRC	Granite Mounta	24.79	318	P	P	19 24 45.9 +1.0
L38A	Oak Wood Farm,	24.83	5	P	P	19 24 46.0 +1.0
O49A	Covington	24.84	21	eP	P	19 24 44.6 -0.4
O49A	Covington	24.84	21	P	P	19 24 45.3 +0.2
L40A	Anamosa	24.95	8	P	P	19 24 47.9 +1.9
O50A	Cable	25.06	23	P	P	19 24 47.1 0.0
SRU	San Rafael Swe	25.18	332	ePcP	PcP	19 28 21.0 +0.6
K38A	Parkersburg	25.35	5	P	P	19 24 51.4 +1.7
K39A	Delweim	25.50	7	P	P	19 24 51.4 +0.5
SDV	Santo Domingo	25.92	106	P	P	19 24 54.8 -0.5
SDV	Santo Domingo	25.92	106	eP	P	19 24 54.8 -0.5
JFWS	Jewell Farm	25.92	9	P	P	19 24 55.1 +0.3
K43A	Burlington	26.07	13	P	P	19 24 56.3 +0.2
L47A	Sherwood	26.18	18	P	P	19 24 57.3 +0.1

baz=204	MPMC Manual Prospec	26.75	318	P	P	19 25 04.6 +2.0
baz=129	SC2Z Santa Cruz Isl	27.01	312	P	P	19 25 06.7 +1.9
ISA	Isabella, Lake	27.15	317	P	P	19 25 09.9 +3.8
baz=127	G39A Holcombe	28.12	7	P	P	19 25 16.8 +2.3
NV01	Mina Array Sit	28.76	321	eP	P	19 25 26.0 +5.4
NVAR	Mina Array Bea	28.76	321	P	P	19 25 24.5 +4.0
F43A	Flat Rock, Esc	29.30	12	P	P	19 25 25.4 +0.5
E38A	The Farm, Brul	29.39	6	P	P	19 25 26.8 +1.0
E40A	Wakefield	29.43	8	P	P	

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IVIS Veis, IRAZ Razeghan, ISK 17:19:36:57.3, etc.

ISCJB 17:19:38:16.4±0.5, 6.84N:0.04±73.12W:0.04, h155km±4km, mb3.5/2, Error ellipse: s-maj=6.6km s-min=5.2km

IDC 17:19:38:16.7±0.7, 6.72N:72.90W, h169km±9km, mb3.2/2, mb1 3.9/5, mb1mx3.2/5.1, mbtmp.4/1.5, Error ellipse: s-maj=30.8km s-min=7.8km az=132.0

RSNC 17:19:38:18.8±0.9, 6.77N:73.15W, h144km±4km, ML4.0, Mw3.7

ISC 17:19:38:17.2±0.9, 6.84N:0.04±73.12W:0.04, h151km±6km, n25, c0594/40, 2C-4D, Northern Colombia

Main table listing stations and their coordinates. Includes stations like BARC Barichara, GIRC Giron, PAMC Pamplona, RUSC La Rusia, etc.

Table listing stations and their coordinates. Includes stations like JCT Junction City, HKT Hockley, 435B Jarrell, etc.

NNC 17:19:47:46.6±2.3, 37.10N:70.63E, h0km, mb3.7, mpv3.3, 3C-1D, Error ellipse: s-maj=16.6km s-min=15.4km

ATH 17:19:54:43.6±4.1, 99N:23.19E, h24km±1km, ML2.9, Error ellipse: s-maj=2.7km s-min=1.4km az=156.0

SKO 17:19:54:44.0±4.1, 98N:23.15E, h23km, M1.8, ML2.2

SOF 17:19:54:44.5±4.2, 01N:23.26E, h2km, 1D, Bulgaria

Table listing stations and their coordinates. Includes stations like KKB Krupnik, MMB Musomiste, VTS Vitoshka, etc.

Table listing stations and their coordinates. Includes stations like HORT HORT, PLG Polygyros, OUR Ouranopolis, etc.

ISN 17:20:15:30.3±1.2, 38.46N:46.65E, h0km±57km, ML3.4

AZER 17:20:15:32.6±0.0, 38.35N:46.61E, h9km, m13, 7/23, Error ellipse: s-maj=5.2km s-min=1.1km az=21.0

TEH 17:20:15:33.9±38.44N:46.67E, h4km, ML3.4

IDC 17:20:15:35.1±2.4, 38.45N:46.66E, h0km, mb3.3/6, mb1 3.6/9, mb1mx3.4/69, mbtmp3.5/9, ML3.8/2, MS2.7/3, Ms1 2.7/3, ms1mx2.3/41, Error ellipse: s-maj=40.8km s-min=15.8km az=13.0

DDA 17:20:15:55.3±38.42N:46.39E, h12km, ML3.3

ISC 17:20:15:34.8±1.1, 38.46N:0.02±46.66E:0.02, h4km±9km, n77, r1893/108, mb3.3/6, 21C-19D, Iran-Azerbaijan border region

Main table listing stations and their coordinates. Includes stations like IHRH Heris, ITBZ Tabriz, ORD Ordubad, etc.

Table with columns: SIRT, IGVZ, ILIN, EATA, HKZM, TBLG, TBLG, QABG, DUS, SENK, IRAZ, ONI, IPRN, IDMV, IFIR, KBZ, IGL0, KVAR, GEYT, AKTO, BVAR, KURBB, GERES, FINES, MKAR, DAVOX, NOA. Each row contains station name, frequency, polarization, and coordinates.

TAP 17:20:17.06.4, 23.26N, 121.06E, h2km±1km, MLO.7, C, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ELDTW, FULB, TWF1, YULB, STYT, WTP.

IDC 17:20:18.49.5.0.6, 18.07Sx, 172.68W, h0km, mb4.2/11, mb1.4/5/11, mb1mx4.1/56, mbtmp4.2/11, MS3.2/7, Ms1.3/2.7, ms1mx2.9/48, Error ellipse: s-maj=28.5km s-min=16.6km az=142.0

ISCJB 17:20:18.51.5.0.3, 17.79Sx, 172.86W, h0km, mb4.6/36, MS3.3/5, Error ellipse: s-maj=13.3km s-min=6.3km az=28.6

NEIC 17:20:18.51.0.0.3, 17.96Sx, 172.69W, h10km, mb4.8/27, Error ellipse: s-maj=12.9km s-min=7.4km az=123.0

ISC 17:20:18.53.0.0.5, 17.79Sx, 172.82W, h0.1, h26km, n98, a179/95, mb4.8/36, MS3.3/5, 4C-1D, Tonga Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like AFI, AF1, AFI, RAR, DZM, DZM, OUZ, PPT, URZ, URZ, BKZ, HIZ, BFZ, XMAS, THZ, KHZ, LTZ, CRLZ, OXZ, RPZ, FOZ, WKZ, MLZ, DCZ, WHZ, JOHN, ARMA, CTA, CTAO, WC3.

Main table with columns: Code, Station Name, Frequency, Polarization, Az, Phase ID, Time, Res. Lists stations like WR1, WRA, AS01, ASAR, SB, SOEI, JHJ, CASY, MJAR, MAJO, JOW, YBH, YBH, NV01, NVAR, KSM, KSRS, KSRS, KSAR, KS01, LTX, TXAR, PV10, SMCO, PD31, PDAR, PDAR, VNA3, SNA4, VNA1, V52A, BVAR, ARAO, ARCE, ARCE, ARCE, FIAO, FIAO, KMB0, KMB0, KLLC, BGL, BGL, DPC, DPC, GOPC, KHC, KHC, BR101, BR131, BR131, BRTR, GERES, GERES, GERES, GERES, GERES, GERES, MOA, MOA, ARSA, RETA, WATA, WATA, MOTA, KBA, WTTA, MMAI, SOKA, DAVA, FETA, OBKA, MYKA, ABTA, FORD, FORD, TOA1, TOA1.

GUC 17:20:19.49.0.0.5, 35.71Sx, 73.98W, h9km±12km, MLO.4, ISCJB 17:20:19.53.0.0.4, 35.61Sx, 73.73W, h0.07, h33km, s-min=3km az=17.5

IDC 17:20:19.53.5.1.0.3, 35.76Sx, 73.18W, h0km, mb4.3/8, mb1.4/3/11, mb1mx4.0/42, mbtmp4.2/11, MLO.4/3, MS3.5/6, Ms1.3/5.6, ms1mx3.1/38, Error ellipse: s-maj=38.9km s-min=14.7km az=95.0

NEIC 17:20:19.54.5.0.4, 35.61Sx, 73.62W, h20km, mb4.7/17, Error ellipse: s-maj=12.3km s-min=7.2km az=96.0

ISC 17:20:19.56.1.0.5, 35.67Sx, 73.07W, h0.08, h35km, n73, a178/73, mb4.8/21, MS3.8/5, 1C, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like GO05, GO05, GO05, GO05, CCHI, CCHI, CCHI, TMU, LML, LML, CLCH, ROCH, ROCH, PEL, PEL, PEL, FCH, GO06, GO06, PLCA, PLCA.

Table with columns: PLCA, PLCA, PLCA, LCO, LCO, G003, TRQA, PB10, PB11, CPUP, CPUP, MNMC, GO10, LPAZ, LPAZ, SIV, SIV, NNA, SML, SML, ATAH, PMSA, BDFB, BDFB, PTGA, PTGA, SDV, VNA3, ESPN, VNA1, GRGR, SVB, SNA4, SNA4, SNA4, SEUS, SDD, QSPA, QSPA, SYO, Z50A, TX31, MAW, MAW, MAW, DBIC, DBIC, CABC, L42A, TCUT, TORD, TOA1, TOA1, MODS, VYHS, VYHS, WRA, WRA, ABKAR, BVAR, KURKB, ZAA1, ZAA1, ZALV, ZALV, ZALV, MK3Z, MKAR, MKAR, JMA, MOS, ISCJB, ISCJB, TWF1, TWF1, YULB, YULB, YULB.

BUI 17:20:19.59.5.23.41N, 121.59E, h8km, mb4.5/53, mb4.7/43, MLO.5/11, Ms4.8/73, Ms7.4/76

NIED 17:20:20.00.23.40N, 121.60E, h32km, Mw4.6 Best double couple: M9.2900x10^15, NP1.9x300.00000, s56.00000, a-1.7.00000, NP2.9x40.00000, s76.00000, a-1.45.00000

NEIC 17:20:20.02.0.0.5, 23.31N, 121.53E, h25km±3km, mb5.1/185, MW4.7, MLO.5(TAP), Error ellipse: s-maj=2.8km s-min=2.4km az=97.0 Moment Tensor Solution, s14

Moment tensor: Scale 10^10Nm, Mo:0.76; Mw:0.02; Mo-0.73; Mo-1.14; Mo-0.38; Mo-0.33; Best double couple: M1.5000x10^16, NP1.9x2.00000, s27.00000, a.35.00000, NP2.9x240.00000, s75.00000, a.113.00000

Principal axes: T 1.5700, Plg55.0000, Azm178.0000; N -0.2800, Plg22.0000, Azm53.0000; P -1.2900, Plg26.0000, Azm31.0000

NEIC Felt at Hualien, Kaohsiung and Madou. Recorded [5 TAP] in Taitung; [4 TAP] in Hualien; [2 TAP] in Changhua, Kaohsiung, Nantou and Yunlin; [1 TAP] in Chiayi and Pingtung

JMA 17:20:20.01.8.23.36N, 121.56E, h21km±1km, M4.7, TAP 17:20:20.02.0.0.23.38N, 121.49E, h26km, MLO.5.2, MOS 17:20:20.02.06.1.1.23.34N, 121.61E, h43km, mb5.1/64, MS4.7/8, Error ellipse: s-maj=6.8km s-min=4.4km az=114.2

ISCJB 17:20:20.02.0.0.1.23.35N, 121.57E, h0.01, h41km±1km, mb5.0/268, MS4.3/57, Error ellipse: s-maj=1.9km s-min=1.6km az=39.5

IDC 17:20:20.03.5.2.5.23.34N, 121.63E, h33km±1km, mb4.4/43, mb1.4/5/45, mb1mx4.4/71, mbtmp4.5/45, MLO.4/12, MS4.1/45, Ms1.4/15, ms1mx4.0/70, Error ellipse: s-maj=1.3km s-min=0.8km az=73.0

ISC 17:20:20.02.0.0.5.23.36N, 121.58E, h0.02, h27km±3km, n764, a154/839, mb5.0/270, MS4.5/58, 35C-72D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TWF1, TWF1, YULB, YULB, YULB.

17d 20h

EHY	Hungye	0.27 301	↑P	Pb	20 20 09.0 -0.3
EHY				Sb	20 20 13.3 -0.6
FULB	Fuli	0.31 238	↑P	Pb	20 20 09.6 -0.2
CHKT	Chengkung	0.33 216	↓P	Pb	20 20 10.3 +0.3
CHKT				Sb	20 20 15.7 +0.5
EGFH	Guangfu	0.33 336	P	Pb	20 20 10.2 +0.1
EGFH				Sb	20 20 15.9 +0.5
ESL	Shilin	0.47 344	P	Pb	20 20 11.6 -0.7
ESL				Sb	20 20 18.4 -0.5
ENLB	Shoufeng	0.54 31	↑P	Pb	20 20 13.4 0.0
ENLB				Sn	20 20 22.5 -0.2
ELDTW	Lidau	0.54 251	↓P	Pb	20 20 12.4 -1.2
ELDTW				Sb	20 20 18.7 -2.4
YUS	Yu-Shan	0.59 282	↓P	Pb	20 20 13.7 -0.9
YUS				Sb	20 20 20.8 -2.0
HWA	Hwalien	0.61 3	↑P	Pn	20 20 15.2 -0.2
TWH	Lutao	0.66 188	↓P	Pb	20 20 15.1 -0.3
TWH				Sb	20 20 24.4 +0.2
SSLB	Suanglung	0.71 307	↓P	Pb	20 20 15.3 -1.0
SSLB				Sb	20 20 23.5 -2.3
SSLB	Suanglung	0.71 307	↑P	Pb	20 20 15.0 -1.4
SSLB				Sb	20 20 23.3 -2.5
TWGBT	Beinan	0.71 220	↑P	Pb	20 20 14.9 -1.4
TWG	Pinlang	0.71 221	↓P	Pb	20 20 15.0 -1.4
TWG				Pb	20 20 15.0 -1.4
TWD	Chiawan	0.71 1	↓P	Pb	20 20 16.1 -0.3
TWD				Sn	20 20 26.9 -0.1
TTN	Taitung	0.72 213	↑P	Pb	20 20 16.7 +0.2
STYT	Tauyuan	0.78 255	↓P	Pb	20 20 16.7 -0.8
STYT				Sb	20 20 25.8 -1.9
CHGB	Renai	0.79 332	↓P	Pb	20 20 17.2 -0.6
CHGB				Sb	20 20 26.7 -1.4
WHF	Hehuan Shan	0.83 340	↓P	Pb	20 20 17.6 -1.0
WHF				Sb	20 20 28.5 -1.0
TYC	Yuchr	0.85 309	↓P	Pb	20 20 17.9 -0.8
TYC				Sb	20 20 28.4 -1.3
CHNS	Tsauling	0.86 286	↓P	Sb	20 20 18.8 -0.1
CHNS				Sb	20 20 30.1 0.0
TPUB	Ta-pu	0.87 266	↓P	Pn	20 20 18.6 -0.5
TPUB				Sb	20 20 29.1 -1.2
TPUB	Ta-pu	0.87 266	↑P	Pb	20 20 17.9 -1.2
TPUB				Sb	20 20 29.8 -0.6
WTP	Ta-pu	0.89 263	↓P	Pn	20 20 19.0 -0.4
WTP				Sb	20 20 30.0 -0.9
DPDB	Guoxing	0.89 318	↓P	Pn	20 20 18.9 -0.5
DPDB				Sb	20 20 29.6 -1.4
WJS	Zhushan	0.90 301	↓P	Pn	20 20 19.7 +0.1
WJS				Sn	20 20 31.9 +0.3
SLGT	Liguig	0.93 247	↓P	Pn	20 20 19.5 -0.3
SLGT				Sb	20 20 31.7 -0.4
EGL	Taimali	0.95 217	↑P	Pn	20 20 18.2 -1.9
SGST	Jiashian	0.95 253	↓P	Pn	20 20 20.2 0.0
SGST				Sn	20 20 33.2 +0.2
TWT	Tachien	0.96 338	↓P	Pn	20 20 20.2 -0.2
TWT				Sb	20 20 31.6 -1.4
TDCB	Techi	0.96 337	↓P	Pn	20 20 20.2 -0.3
TDCB				Sb	20 20 30.8 -2.4
WNT	Mingjian	0.96 302	↓P	Pb	20 20 20.7 +0.1
WNT				Sb	20 20 33.2 +0.1
CHN1	Nanshi	0.98 260	↓P	Pn	20 20 20.7 +0.1
CHN1				Sn	20 20 33.8 +0.2
WGK	Gukeng	0.98 289	↓P	Pb	20 20 20.9 -0.1
WGK				Sn	20 20 34.6 +0.9
TWK	Hsiungyi	1.00 265	↓P	Pn	20 20 20.9 0.0
TWK				Sb	20 20 34.1 0.0
WDLH	Douliu	1.01 289	↓P	Pb	20 20 21.4 +0.1
WDLH				Sb	20 20 35.0 +0.8
SSD	Sandimen	1.06 235	↑P	Pn	20 20 21.6 -0.1
CHY	Chiayi	1.07 277	↓P	Pb	20 20 22.1 -0.2
CHY				S	20 20 36.5 +0.6
ENA	Nanai	1.07 8	↑P	Pn	20 20 21.0 -0.8
NANB	Nanao	1.07 9	↓P	Pn	20 20 21.3 -0.5
NNS	Nan Shan	1.09 350	↓P	Pn	20 20 21.8 -0.3
NNS				Sb	20 20 34.2 -2.2
ENAH	Nanao	1.10 11	↑P	Pn	20 20 22.1 -0.1
TCU	Taichung	1.14 314	↓P	Pb	20 20 23.6 +0.1
TCU				Sb	20 20 38.3 +0.5
MASBT	Mashibuluo	1.15 229	↑P	Pn	20 20 22.0 -0.8
MASBT				Sb	20 20 36.8 -0.8
CHN3	Shinhua	1.15 256	↓P	Pb	20 20 24.7 +1.0
CHN3				Sb	20 20 41.2 +2.9
WCHH	Zhanghua	1.17 308	↓P	Pb	20 20 23.9 -0.3
TAW	Tawu	1.18 212	↑P	Pn	20 20 21.6 -1.7
SGLT	Jiouru	1.18 238	↑P	Pb	20 20 25.2 +0.8
EAST	Anshuo	1.19 215	↑P	Pn	20 20 22.1 -1.3
TWM1	Shoushan	1.19 243	↓P	Pb	20 20 25.3 +0.9
RLNB	Erin	1.23 295	↓P	Pn	20 20 24.4 +0.4

2012 AUG

CHNB	Yiju	1.25 269	↑P	Pb	20 20 25.0 -0.6
CHNB				Sb	20 20 41.5 +0.2
TWC	Suao	1.27 11	↑P	Pb	20 20 25.4 -0.3
ENTT	Nioudou	1.27 360	↑P	Pn	20 20 24.5 0.0
TAI1	Yung-kang	1.28 256	↓P	Pb	20 20 26.1 +0.2
TAI1				Sb	20 20 43.0 +1.0
EOS1	EOS1	1.28 23	↑P	Pb	20 20 26.0 0.0
SCLT	Jiali	1.28 262	↓P	Pb	20 20 25.6 -0.4
SCLT				Sb	20 20 42.9 +0.7
NSY	Sanyi	1.29 325	↓P	Pb	20 20 26.5 +0.4
NSY				Sb	20 20 43.7 +1.5
WTCT	Ta-ch'eng	1.29 293	↓P	Pb	20 20 25.2 +0.5
WTCT				Sb	20 20 42.5 +0.3
YHNB	Yeheng	1.31 352	↓P	Pn	20 20 25.4 +0.2
YHNB	Yeheng	1.31 352	↑P	Pn	20 20 25.4 0.0
WMLT	Mailiao	1.32 290	↑P	Pn	20 20 25.2 +0.2
WMLT				Sn	20 20 42.4 +0.6
LAY	Lan-yu	1.32 181	↑P	Pn	20 20 23.9 -1.3
NSK	Sanguang	1.32 351	↓P	Pn	20 20 25.5 +0.2
NSK				Sn	20 20 42.1 0.0
SCZT	Faniuu	1.32 222	↑P	Pn	20 20 25.1 -0.2
SCZT				Sb	20 20 44.6 +1.3
PTSB	Yuanli	1.34 324	↓P	Pb	20 20 26.9 -0.1
PTSB				Sb	20 20 44.2 +0.4
TWE	Neicheng	1.35 4	↑P	Pn	20 20 26.2 +0.5
NSTT	Nanjung	1.37 337	↓P	Pb	20 20 27.2 -0.2
NSTT				Sb	20 20 44.4 -0.1
NMLH	Miaoli	1.37 329	↑P	Pb	20 20 27.1 -0.4
NMLH				Sb	20 20 45.2 +0.6
LIOB	Emei	1.38 338	↓P	Pb	20 20 27.4 -0.2
LIOB				Sb	20 20 44.8 0.0
ILA	Ilan	1.40 6	↑P	Pb	20 20 27.3 -0.8
KAU	Kaohsiung	1.41 236	↑P	Pb	20 20 30.3 +2.1
WLCH	Liuqiu	1.50 228	↑P	Pb	20 20 31.2 +1.6
NTC	Toucheng	1.50 9	↑P	Pb	20 20 29.2 -0.5
EGS		1.51 12	↑P	Pb	20 20 29.5 -0.4
TWP	Hsialuichiu	1.51 228	↑P	Pb	20 20 31.4 +1.5
WLTB	Daxi	1.51 349	↓P	Pb	20 20 29.6 -0.3
WLTB				Sb	20 20 48.2 -0.4
SBCB	Hsinchu	1.52 339	↓P	Pb	20 20 29.3 -0.8
SBCB				Sb	20 20 48.1 -0.9
HSN	Hsinchu	1.54 339	↑P	Sb	20 20 29.5 -0.9
HSN				Sb	20 20 49.7 +0.3
HEN	Hengchun	1.56 210	↑P	Pb	20 20 29.7 -1.0
TWKBT	Hengchun	1.58 207	↑P	Pn	20 20 28.8 0.0
TWKBT				Sb	20 20 49.8 -0.9
TWK1	Hengchun	1.58 207	↑P	Pn	20 20 28.4 -0.5
TWK1				Sb	20 20 49.8 -1.0
TATO	Taipei	1.61 357	↓P	Pn	20 20 30.0 +0.9
TATO				Sb	20 20 50.3 -1.1
TATO	Taipei	1.61 357	↑P	Pn	20 20 29.8 +0.6
TWA	Mucha	1.61 0	↓P	Pn	20 20 29.9 +0.7
TIPB	Shungxi	1.62 8	↑P	Pn	20 20 30.4 +1.1
TIPB				Sb	20 20 50.7 -1.1
NCUW	Zhongji	1.64 347	↑P	Pb	20 20 31.1 -1.0
NCU	National Centr	1.64 348	↑P	Pn	20 20 30.8 +1.2
JYNG	Yongjunjimiao	1.66 49	↑P	Pn	20 20 31.1 +1.3
JYNG				Sb	20 20 52.7 0.8
TWB1	Santiao Chiao	1.68 13	↑P	Pb	20 20 31.7 -1.1
YOJ	Yonaguni jima	1.71 50	↓P	Pn	20 20 31.9 +1.3
YOJ				Sn	20 20 52.4 +0.9
YOJ	Yonaguni jima	1.71 50	↑P	Pn	20 20 31.7 +1.1
YOJ	Yonaguni jima	1.71 50	↑P	Pn	20 20 31.7 +1.1
YOJ	Yonaguni jima	1.71 50	↑P	Pn	20 20 31.7 +1.1
WJF	Wu-fen Shan	1.71 6	↑P	Pb	20 20 32.1 -1.3
WFSB	Wu-fen Shan	1.71 6	↑P	Pn	20 20 31.3 +0.7
TWS1	Kuangyinshan	1.73 355	↑P	Pn	20 20 32.0 +1.1
WDGT	Dungji	1.76 267	↓P	Pn	20 20 31.3 0.0
YM04	YM04	1.78 359	↓P	Pn	20 20 31.5 -0.1
YM10	YM10	1.78 360	↓P	Pn	20 20 31.7 +0.1
YM11	YM11	1.79 360	↑P	Pn	20 20 33.0 +1.1
NTST	Danshui	1.80 356	↑P	Pn	20 20 32.7 +0.9
YM07	YM07	1.80 1	↑P	Pn	20 20 32.2 +0.3
YM03	YM03	1.81 359	↑P	Pn	20 20 32.1 +0.1
YM12	YM12	1.81 360	↑P	Pn	20 20 32.0 0.0
YM08	YM08	1.82 0	↑P	Pn	20 20 31.8 -0.3
PHUB	Peng-hu	1.85 275	↑P	Pn	20 20 31.9 -0.6
PHUB				Sn	20 20 53.2 -1.8
PNG	Penghu	1.87 277	↓P	Pn	20 20 32.7 0.0
TWY	Chenhua	1.90 1	↑P	Pn	20 20 33.9 +0.7
VCHM	Qimei	1.98 266	↓P	Pn	20 20 34.2 -0.1
HATJ	Hateruma jima	2.16 71	↑P	Pn	20 20 37.8 +1.1
HATJ				Sn	20 21 03.2 +0.7
IRIF	Iriomote-Funau	2.20 63	↑P	Pn	20 20 38.5 +1.2
JKRS	Kuro-shima	2.39 68	↑P	Pn	20 20 41.3 +1.3
JKRS				Sn	20 21 10.1 +1.7
VWUC	VVUC	2.53 310	↑P	Pn	20 20 41.5 -0.3
JUJ	Ishigaki jima	2.55 67	↑P	Pn	20 20 42.9 +0.7
JUJ				Sn	20 21 12.7 +0.3
JISG	Jishigakijimahi	2.78 63	↑P	Pn	20 20 46.0 +0.7
JISG				Sn	20 21 17.8 -0.2

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KNM	Kimmen	3.06 291	↑P	Pn	20 20 50.2 +1.0
KNMB	Chin-men Tao	3.12 291	↑P	Pn	20 20 49.4 -0.6
JTJ	Tarama	3.13 65	↑P	Pn	20 20 51.2 +1.1
JTJ				Sn	20 21 28.1 +1.5
MATB	Ma-tsu	3.15 332	↑P	Pn	20 20 49.9 -0.5
QZH	Quanzhou	3.15 301	↓P	Pn	20 20 49.9 -0.4
QZH				Sn	20 21 25.3 -1.7
QZH	comp=N,1µm,0.6s			Smax	Smax
QZH	comp=E,1µm,0.8s			LR	LR
QZH	comp=N,9µm,11.8s			LR	LR
QZH	comp=E,7µm,13.5s			LR	LR
JIRB	Irabujima	3.60 65	↑P	Pn	20 20 57.5 +1.0
JIRB				Sn	20 21 30.9 +0.9
JMB	Miyako jima 2	3.69 66	↑P	Pn	20 20 58.4 +0.5
JMJ	Miyako jima 2	3.69 66	↑P	Pn	20 20 58.9 +1.1
JMJ				Sn	20 21 41.9 +1.4
JKMK	Ikemajima	3.70 64	↑P	Pn	20 20 58.8 +0.9
JKMK				Sn	20 21 00.4 +0.4
JGGS	Gusukube	3.77 68	↑P	Pn	20 21 00.4 +1.5
JGGS				Sn	20 21 44.5 +2.2
VDOS	Pratas Island	5.22 240	↑P	Pn	20 21 21.1 +2.2
JOW	Kunigami	6.99 59	↑P	Pn	20 21 42.1 -1.0
JOW				Sn	20 22 60.0 -1.8
MCO	Taipa Grande	7.50 262	↑P	Pn	20 21 52.0 +1.8
GZH	Guangzhou	7.58 270	↑P	Pn	20 21 47.6 -3.6
GZH				Smax	Smax
GZH	comp=N,630nm,1.0s			Smax	Smax
SSE	Sheshan	7.71 358	↑P	Pn	20 21 53.3 +0.3
SSE				Sn	20 23 22.9 +3.4
SSE					

Table with columns: ICAO, Name, Frequency, Power, Mode, and other flight details. Includes entries like KDM Kudat, UBPT Khong Chiam, BJT Bajaitau, etc.

Table with columns: ICAO, Name, Frequency, Power, Mode, and other flight details. Includes entries like USRK Ussuriysk Arr, USRK Ussuriysk Dep, USRK Umpang Tak, etc.

Table with columns: ICAO, Name, Frequency, Power, Mode, and other flight details. Includes entries like BLJI Banyuglugur, EDFI Ende, GSI Gunungisito, etc.

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like MMAL, SOROCA, CARCARI, SUWAKI, etc.

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

Table with columns: Station Name, Frequency, Mode, Power, and other technical details. Includes stations like AQU, L'Aquila, CELESTE, etc.

IDC 17 20:20:47.4;6.2, 5.52S:-148.60E, h148km, 49gkm, mb3.5/2, mb1 3.5/4, mb1mx3/0.51, mbtmp3.8/4, Error ellipse: s-maj=84.1km s-min=51.3km az=124.0, New Britain region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like PMG, WRA, ASAR, FITZ, TORD.

MEX 17 20:22:17.0;0.7, 14.45N:92.83W, h17km, 99gkm, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like THIG, PCIG, TGIG, Comitan.

IDC 17 20:24:03.6;1.0, 8.92S:-157.60E, h0km, mb4.0/1.1, mb1 4.2/12, mb1mx4.0/52, mbtmp4.0/12, ML4.3/1, MS3.2/2, Ms1 3.2/2, ms1mx2.7/43, Error ellipse: s-maj=27.7km s-min=21.6km az=158.0

ISC 17 20:24:06.4;0.7, 8.95S:-157.50E, h0.08, h17km, n20, r1950/20, MB4.2/12, Bougainville-Solomon Islands region

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

ISCJB 17 20:31:26.0;0.5, 35.92N:0.02, h3km, 4km, mb3.6/5, Error ellipse: s-maj=4.2km s-min=3.0km az=21.6

TEH 17 20:31:26.7, 35.81N:51.88E, h8km, ML3.7

THR 17 20:31:26.6;0.6, 35.80N:51.87E, h9km, 3km, ML3.8

NEIC 17 20:31:26.6;0.6, 35.83N:51.86E, h7km, mb3.8/7, MN3.8(TEH), After TEH

NEIC Faj/II at Tehran. Also fell at Damavand.

AZER 17 20:31:30.6;1.1, 36.17N:52.00E, h15km, ml4.0/5, Error ellipse: s-maj=20.0km s-min=5.5km az=72.0

ISC 17 20:31:27.2;0.8, 35.83N:0.03, h1.02, h9km, gkml, n84, r132/99, mb3.7/5, 12C-8D, Northern and central Iran

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like IRM Iron Mountain, Z46A Louisville, XPFO Pigeon Flat, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like SNCC San Nicolas Is, Y47A UCCPARC, Winfie, 758A Lake Helen, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like 255A Hazlehurst, 255A Hazlehurst, W47A Westpoint, etc.

R40A	Maddies Statio	31.38	17	eP	P	21 34 13.7	-0.9
R40A	Maddies Statio	31.38	17	P	P	21 34 12.9	-1.7
Q37A	Longw Farm,	31.38	13	P	P	21 34 13.6	-1.0
S43A	Fulton Ridge,	31.40	20	P	P	21 34 13.0	-1.7
156A	Sylvania	31.40	37	P	P	21 34 13.7	-1.2
ISCO	Idaho Springs	31.40	356	eP	P	21 34 15.9	+0.8
ISCO	Idaho Springs	31.40	356	P	P	21 34 14.0	-1.1
Z55A	Blythe	31.44	35	P	P	21 34 13.0	-2.2
U47A	Clarksville	31.46	25	P	P	21 34 14.0	-1.3
CCM	Cathedral Cave	31.46	18	eP	P	21 34 15.8	+0.5
CCM	Cathedral Cave	31.46	18	eP	pmx	21 34 15.8	+0.5
CCM	Cathedral Cave	31.46	18	P	P	21 34 14.5	-0.8
V49A	McMillville	31.50	27	P	P	21 34 14.3	-1.3
X52A	Dahlonega	31.54	31	P	P	21 34 14.1	-2.0
W51A	Cleveland	31.54	30	P	P	21 34 14.4	-1.6
PSUT	Pine Spring	31.58	344	eP	P	21 34 18.0	+1.3
Y54A	Signal	31.61	34	P	P	21 34 15.4	-1.2
R41A	Rosebud	31.64	18	P	P	21 34 15.4	-1.5
FVM	French Village	31.66	19	eP	P	21 34 17.7	+0.7
FVM	French Village	31.66	19	eP	pmx	21 34 17.7	+0.7
Q38A	Cooks Store, C	31.66	14	P	P	21 34 15.7	-1.3
TMUT	Trail Mountain	31.67	348	eP	P	21 34 18.1	+0.6
TIN	Tinamah, Big	31.71	337	P	P	21 34 16.1	-1.6
T46A	Princeton	31.73	24	P	P	21 34 16.2	-1.5
P17A	Butcher Ranch,	31.75	349	eP	P	21 34 19.2	+1.2
X53A	Estanolee	31.77	32	P	P	21 34 15.9	-2.1
V50A	Pikeville	31.79	29	P	P	21 34 16.4	-1.9
S44A	Carbondale	31.80	21	P	P	21 34 16.9	-1.3
P18A	Preston Nutter,	31.80	349	eP	P	21 34 19.7	+1.0
R42A	Luebbering	31.81	19	P	P	21 34 17.0	-1.4
SIUC	Southern Illin	31.83	21	eP	P	21 34 18.5	0.0
U48A	Cassie Pea, Po	31.84	26	P	P	21 34 16.7	-1.9
CPCT	Cooper Cave	31.89	29	eP	P	21 34 18.3	-0.8
Q39A	Willow Grove F	31.90	15	P	P	21 34 17.3	-1.8
W52A	Murphy	31.90	31	P	P	21 34 17.8	-1.4
R11A	Troy Canyon, C	31.93	341	eP	P	21 34 20.7	+1.1
R11A	Troy Canyon, C	31.93	341	P	P	21 34 19.8	+0.2
O20A	White River Ci	31.99	353	eP	P	21 34 21.2	+1.1
O20A	White River Ci	31.99	353	P	P	21 34 19.6	-0.6
T47A	Sharon Grove	32.01	25	eP	P	21 34 19.0	-1.1
T47A	Sharon Grove	32.01	25	P	P	21 34 18.4	-1.7
S45A	Carrier Mills	32.03	22	P	P	21 34 19.3	-0.9
R43A	Red Bud	32.09	20	P	P	21 34 19.2	-1.6
P37A	Lathrop	32.09	13	P	P	21 34 18.9	-1.9
Q40A	Laux Farm, Aux	32.09	16	P	P	21 34 19.1	-1.7
PMPB	Monarch Peak	32.10	332	eP	P	21 34 22.2	+1.2
SDV	Santo Domingo	32.10	87	eP	P	21 34 22.1	+0.7
SDV	Santo Domingo	32.10	87	eP	LR	21 34 21.6	+0.1
SDV	Santo Domingo	32.10	87	eP	LR	21 34 21.6	+0.1
U49A	Red Boiling Sp	32.17	27	P	P	21 34 20.0	-1.6
V51A	Loudon	32.26	29	eP	P	21 34 22.4	+0.1
V51A	Loudon	32.26	29	P	P	21 34 20.7	-1.6
Q41A	Truxton	32.29	17	P	P	21 34 21.2	-1.4
P38A	Dawn	32.31	14	eP	P	21 34 21.8	-0.9
P38A	Dawn	32.31	14	P	P	21 34 21.3	-1.4
BG3	Lake Jocassee	32.34	32	eP	P	21 34 23.4	+0.4
R44A	Waltonville	32.35	21	P	P	21 34 22.1	-1.0
W53A	Cullowhee	32.35	31	P	P	21 34 22.2	-1.2
S46A	Don Dixon Farm	32.36	23	P	P	21 34 22.1	-1.1
P39B	Salisbury	32.37	15	P	P	21 34 22.0	-1.3
T48A	Bowling Green	32.41	25	P	P	21 34 21.9	-1.8
TKL	Tuckaleechee C	32.43	30	P	P	21 34 24.0	+1.0
TKL	Tuckaleechee C	32.43	30	eP	LR	21 48 25.4	
TKL	Tuckaleechee C	32.43	30	eP	P	21 34 24.0	+0.1
MPU	Maple Canyon	32.45	348	eP	P	21 34 25.8	+1.6
MLAC	Mammoth, Mam	32.51	45	336	P	21 34 22.6	-1.7
Q42A	Golden Eagle	32.47	18	P	P	21 34 22.6	-1.5
OGNE	Ogallala	32.48	2	eP	P	21 34 24.6	+0.2
OGNE	Ogallala	32.48	2	eP	LR	21 34 23.7	-0.7
OGNE	Ogallala	32.48	2	P	P	21 34 26.1	+1.5
NLU	North Lily Min	32.49	347	eP	P	21 34 19.9	-4.5
BPIM	Pinnacles	32.49	332	eP	P	21 34 26.2	+1.4
OMMB	Old Mammoth M	32.50	336	eP	P	21 34 20.0	+15
NHSC	New Hope	32.51	37	PFAKE	LR	21 34 23.2	-1.3
NHSC	New Hope	32.51	37	P	P	21 34 25.7	+0.9
N23A	Red Feather La	32.52	356	eP	P	21 34 24.3	-0.5
N23A	Red Feather La	32.52	356	P	P	21 34 23.5	-1.2
U50A	Jamestown	32.52	28	P	P	21 34 25.7	+0.5
MDPB	Devils Postpil	32.55	336	eP	P	21 34 24.3	-1.0
P40A	Paris	32.60	16	P	P	21 34 23.8	-1.5
P40A	Paris	32.60	16	P	P	21 34 23.8	-1.5

EMT	Emmet	32.60	333	eP	P	21 34 23.3	-2.1
EMT	Emmet	32.60	333	eP	P	21 34 28.1	-3.0
S47A	Hartford	32.62	24	P	P	21 34 24.0	-1.4
USIN	University of	32.62	23	eP	P	21 34 25.8	+0.3
V52A	Sevierville	32.66	30	eP	P	21 34 25.2	-0.7
V52A	Sevierville	32.66	30	P	P	21 34 23.8	-2.0
R45A	Skyler, Fairr	32.68	22	P	P	21 34 24.5	-1.5
O37A	Wolfen Farm, M	32.68	13	P	P	21 34 24.6	-1.4
JSC	Jenkinsville	32.71	35	eP	P	21 34 26.2	-0.2
JSC	Jenkinsville	32.71	35	eP	pmx	21 34 26.2	-0.2
Q43A	New Douglas	32.76	20	P	P	21 34 25.7	-1.1
T49A	Edmonton	32.77	26	eP	P	21 34 26.6	-0.2
T49A	Edmonton	32.77	26	eP	P	21 34 25.2	-1.7
O38A	Galt	32.79	14	P	P	21 34 25.7	-1.3
SAO	San Andreas Ge	32.84	332	eP	P	21 34 28.5	+1.0
SAO	San Andreas Ge	32.84	332	eP	pmx	21 34 28.5	+1.0
U51A	La Folite	32.88	29	P	P	21 34 26.4	-1.4
DUG	Dugway, Tooele	32.88	346	eP	P	21 34 29.6	+1.7
DUG	Dugway, Tooele	32.88	346	eP	LR	21 34 29.6	+1.7
DUG	Dugway, Tooele	32.88	346	eP	pmx	21 34 29.6	+1.7
DUG	Dugway, Tooele	32.88	346	eP	MLR	21 34 28.3	+0.3
DUG	Dugway, Tooele	32.88	346	P	P	21 34 29.7	+1.7
NV11	Mina Array Sit	32.89	338	eP	P	21 34 28.7	+0.5
PHWY	Pilot Hill	32.89	357	eP	P	21 34 26.5	-1.4
R46A	Gibson Southern	32.92	31	P	P	21 34 27.8	-0.4
V53A	Saluda	32.92	31	eP	P	21 39 43.0	-2.4
V53A	Saluda	32.92	31	eS	P	21 34 27.0	-1.2
NV01	Mina Array Sit	32.94	338	eP	P	21 34 29.5	+0.9
NVAR	Mina Array Bea	32.94	338	P	LR	21 45 40.7	
NVAR	Mina Array Bea	32.94	338	P	LR	21 34 27.2	-1.2
Q44A	Meyer Farm, Va	32.96	20	P	P	21 45 07.8	
NNA	Nana	33.01	127	LR	LR	21 34 40.0	+11
NNA	Nana	33.01	127	PFAKE	LR	21 34 27.2	-1.6
P41A	Barry, Barry	33.01	17	P	P	21 34 27.2	-1.8
S48A	Wiedeman Farm,	33.01	25	P	P	21 34 37.2	-1.7
T50A	Nancy	33.02	27	P	P	21 34 31.2	+1.1
CTU	Camp Tracy	33.12	348	eP	P	21 34 28.5	-1.5
N36A	Muff Farm, Ci	33.14	11	P	P	21 34 29.9	-0.1
P42A	Winchester	33.14	18	eP	P	21 34 28.1	-1.9
P42A	Winchester	33.14	18	P	P	21 34 29.8	-1.6
O39A	La Belle	33.15	15	P	P	21 34 32.4	+1.6
O40A	La Belle	33.20	16	P	P	21 34 29.7	-1.0
RYN	Ryan	33.20	338	eP	P	21 34 32.4	+1.6
U52A	Thorn Hill	33.21	30	P	P	21 34 31.8	+1.1
BGNE	Belgrade	33.22	7	eP	P	21 34 30.0	-0.7
BGNE	Belgrade	33.22	7	P	P	21 34 30.8	-0.1
N37A	Lee Farris, Mou	33.24	12	eP	P	21 34 28.9	-1.9
N37A	Lee Farris, Mou	33.24	12	P	P	21 34 31.0	+0.1
TZTN	Tazewell	33.24	29	eP	P	21 34 29.4	-1.5
TZTN	Tazewell	33.24	29	P	P	21 34 31.2	-0.3
Q45A	Warren Harvey,	33.31	34	eP	P	21 34 30.3	-1.2
KMSC	Kings Mountain	33.31	34	P	P	21 34 30.0	-1.9
KMSC	Kings Mountain	33.31	34	P	P	21 34 30.2	-2.0
R47A	Wooly Knot Far	33.36	24	P	P	21 34 32.0	-2.0
T51A	Gray	33.39	29	P	P	21 34 32.0	-0.1
WCI	Wyandotte Cave	33.40	24	eP	pmx	21 34 32.0	-0.1
WCI	Wyandotte Cave	33.40	24	eP	pmx	21 34 30.6	-1.7
WCI	Wyandotte Cave	33.40	24	P	P	21 34 32.7	+0.1
RWWY	Rawlins	33.41	354	eP	P	21 34 34.3	+1.6
KVN	Kaiserville	33.41	339	eP	P	21 34 33.5	+0.9
CMB	Columbia Colle	33.43	335	eP	P	21 34 33.5	+0.9
CMB	Columbia Colle	33.43	335	eP	pmx	21 34 34.7	+1.8
WAKR	Walker	33.45	336	eP	P	21 34 31.1	-1.7
S49A	Springfield	33.45	26	P	P	21 34 31.3	-1.4
P43A	Skaggs, Pawnee	33.45	19	P	P	21 34 40.0	+7.0
GRTK	Grand Truk	33.46	63	PFAKE	LR	21 34 34.5	+1.4
GRTK	Grand Truk	33.46	63	P	P	21 34 31.2	-1.7
TCUT	Toone Canyon	33.47	17	P	P	21 34 31.1	-2.0
O41A	Passleys Farm,	33.47	17	P	P	21 34 32.8	-1.2
N38A	Joe's South For	33.49	14	P	P	21 34 32.7	-1.3
U53A	Fall Branch	33.58	31	P	P	21 34 32.7	-1.3
P44A	Sand Creek, Wi	33.60	20	P	P	21 34 35.7	+1.3
BGU	Big Grassy Mou	33.63	346	eP	P	21 34 32.7	-1.9
Q46A	CE/HS Indians,	33.67	22	P	P	21 34 33.1	-2.0
R48A	Northridge Ran	33.72	25	P	P	21 34 35.1	-0.1
N39A	Derby Farms, D	33.74	15	eP	P	21 34 33.3	-1.9
N39A	Derby Farms, D	33.74	15	P	P	21 34 34.2	-1.2
S50A	Richmond	33.78	27	P	P	21 34 33.3	-2.3
O42A	Bat	33.78	18	P	P	21 34 37.5	+1.7
YERR	Yerington	33.78	337	eP	P	21 34 33.9	-1.8
M36A	Felix, Anita	33.79	11	P	P	21 34 37.8	+1.3
SPUT	South Promonto	33.86	347	eP	P	21 34 35.8	-0.7
M37A	Trindie Farm,	33.89	12	P	P	21 34 34.7	-1.9

R49A	Shelbyville	33.92	26	P	P	21 34 34.7	-2.2
Q47A	Bedord North L	33.95	24	P	P	21 34 35.4	-1.7
T52A	Hallie	33.96	29	P	P	21 34 36.1	-1.1
P45A	Graceland, Par	33.97	22	P	P	21 34 35.6	-1.6
HWUT	Hardware Ranch	33.97	349	eP	P	21 34 38.5	+1.1
HWUT	Hardware Ranch	33.97	349	eP	LR	21 34 35.5	-1.9
N40A	Mertuake, Sal	33.					

M44A	Midewin, Midew	35.52	20	eP	P	21 34 50.1	-0.5
M44A	Midewin, Midew	35.52	20	P	P	21 34 49.1	-1.4
N46A	Monticello	35.53	22	P	P	21 34 49.4	-1.4
REDW	Red Top Meadow	35.54	350	eP	P	21 34 51.5	+0.5
L42A	Oliver, Polo	35.56	17	eP	P	21 34 50.5	-0.5
L42A	Oliver, Polo	35.56	17	P	P	21 34 49.0	-2.0
O48A	Farmland	35.59	24	P	P	21 34 49.1	-2.1
P50A	Jamestown	35.61	26	P	P	21 34 49.4	-2.0
K39A	Olwein	35.62	14	P	P	21 34 49.0	-2.4
SNOW	Snow King Mount	35.62	350	eP	P	21 34 52.8	+1.1
RSSD	Black Hills	35.65	359	P	P	21 34 51.2	-0.8
TPAW	Teton Pass	35.68	350	eP	P	21 34 51.5	-0.8
J36A	Seneca 1, Swea	35.69	11	eP	P	21 34 50.5	-1.5
J36A	Seneca 1, Swea	35.69	11	P	P	21 34 50.3	-1.7
ECSD	EROS Data Cent	35.71	8	eP	P	21 34 51.8	-0.5
ECSD	EROS Data Cent	35.71	8	P	P	21 34 50.6	-1.6
LOHW	Long Hollow	35.74	351	eP	P	21 34 52.4	-0.4
RPN	Rapa Nui	35.77	190	LR	LR	21 45 57.0	0.7
M45A	Boilermakers S	35.79	21	P	P	21 34 51.4	-1.5
K40A	Colesburg	35.80	15	P	P	21 34 51.2	-1.9
J37A	Redenius Farm,	35.82	12	P	P	21 34 51.9	-1.3
FWY	Fox Creek	35.84	350	eP	P	21 34 53.8	+0.2
O49A	Covington	35.86	25	P	P	21 34 51.2	-2.4
MOOW	Moose Ponds	35.90	351	eP	P	21 34 54.1	0.0
O03D	Paynes Creek	35.93	335	P	P	21 34 54.2	0.0
K41A	Shullsburg	35.94	16	P	P	21 34 52.0	-2.2
L43A	Garden Prairie	36.01	18	P	P	21 34 53.0	-1.8
J38A	Wedel Dairy, R	36.06	13	P	P	21 34 54.2	-1.1
IMW	Indian Meadow	36.07	350	eP	P	21 34 55.2	-0.4
M46A	Old House Fiel	36.12	22	P	P	21 34 54.4	-1.4
O50A	Cable	36.13	26	P	P	21 34 53.8	-2.1
SUSD	Miller	36.14	5	P	P	21 34 54.6	-1.4
KCPM	Cahto Peak	36.20	333	eP	P	21 34 58.4	+1.8
FLWY	Flag Ranch	36.22	351	eP	P	21 34 56.8	-0.1
JFWS	Jewell Farm	36.24	16	eP	P	21 34 55.8	-1.0
JFWS	Jewell Farm	36.24	16	eP	LR	21 34 55.8	-1.0
JFWS	Jewell Farm	36.24	16	eP	pmx	21 34 55.8	-1.0
JFWS	Jewell Farm	36.24	16	eP	MLR	21 34 55.8	-1.0
JFWS	Jewell Farm	36.24	16	eP	MLR	21 34 55.8	-1.0
O02D	Mt. Diablo Mer	36.24	334	P	P	21 34 55.8	-1.2
J39A	Decorah	36.26	14	P	P	21 34 53.7	-3.2
L44A	Lake County Fo	36.27	19	P	P	21 34 55.5	-1.6
K42A	Prairie Point,	36.37	17	P	P	21 34 56.2	-1.6
I36A	Fitzsimmons Fa	36.41	11	P	P	21 34 56.5	-1.7
HLID	Hailey	36.45	346	eP	P	21 34 59.2	+0.4
HLID	Hailey	36.45	346	eP	LR	21 34 59.2	+0.4
HLID	Hailey	36.45	346	eP	P	21 34 59.1	+0.2
WDC	Whiskeytown D	36.47	335	eP	P	21 34 58.2	-0.6
WDC	Whiskeytown D	36.47	335	eP	pmx	21 34 58.2	-0.6
WDC	Whiskeytown D	36.47	335	eP	pmx	21 34 58.2	-0.6
ACSO	Alum Creek Sta	36.48	26	PFAKE	LR	21 35 10.0	+1.1
I37A	Lemond, Waseca	36.53	12	eP	P	21 34 58.8	-0.4
I37A	Lemond, Waseca	36.53	12	P	P	21 34 58.8	-0.4
J40A	Soldiers Grove	36.56	15	P	P	21 34 57.9	-1.6
YFT	Old Faithful	36.60	351	eP	P	21 35 00.8	+0.7
K43A	Ourlington	36.61	18	P	P	21 34 58.1	-1.8
WVOR	Wild Horse Val	36.61	341	eP	P	21 35 01.1	+1.0
WVOR	Wild Horse Val	36.61	341	eP	LR	21 35 01.1	+1.0
WVOR	Wild Horse Val	36.61	341	eP	pmx	21 35 01.1	+1.0
WVOR	Wild Horse Val	36.61	341	eP	MLR	21 35 01.1	+1.0
LKWY	Lake	36.64	351	PFAKE	LR	21 35 10.0	+1.0
MFID	Camas Ranch	36.67	344	eP	P	21 35 01.6	+1.0
KMRM	Mail Ridge	36.69	333	eP	P	21 35 02.2	+1.5
M0D	Modoc Plateau	36.72	338	eP	P	21 35 02.1	+1.0
J41A	Loganville	36.72	16	P	P	21 34 59.1	-1.8
I38A	Scanlan Farm,	36.78	13	P	P	21 34 59.5	-1.9
I39A	Houston	36.79	14	P	P	21 35 01.0	-0.5
I39A	Houston	36.79	14	P	P	21 34 59.6	-1.8
M48A	Edgerton	36.81	23	P	P	21 34 59.4	-2.3
N50A	Nevada	36.85	26	P	P	21 34 59.8	-2.2
N02D	Trinity Center	36.87	335	P	P	21 35 01.4	-0.9
H35A	Sunnyside Ranc	36.92	10	P	P	21 35 00.6	-2.0
J42A	Columbus	36.93	17	P	P	21 35 01.0	-1.6
YHB	Horse Butte	36.95	350	eP	P	21 35 03.3	+0.3
H36A	Jessenland, He	36.97	11	P	P	21 35 00.9	-2.0
RLMT	Red Lodge	37.03	353	eP	P	21 35 04.0	+0.2
RLMT	Red Lodge	37.03	353	eP	LR	21 35 04.0	+0.2
RLMT	Red Lodge	37.03	353	eP	P	21 35 02.8	-1.0
L47A	Sherwood	37.04	22	P	P	21 35 01.5	-2.1
I40A	Norwalk	37.05	15	P	P	21 35 01.8	-1.9
QLMT	Earthquake Lak	37.06	350	eP	P	21 35 05.7	+1.6
JSRW	J. Sargeant R	37.07	34	eS	S	21 35 03.2	-0.7
JSRW	J. Sargeant R	37.07	34	eS	S	21 40 50.9	+1.9

M49A	Liberty Center	37.09	24	P	P	21 35 02.1	-2.0
H37A	Dierke Farm, C	37.17	12	P	P	21 35 03.1	-1.6
SJG	San Juan	37.19	71	LR	LR	21 49 51.2	
SJG	San Juan	37.19	71	PFAKE	LR	21 35 20.0	+1.5
J43A	Natural Harves	37.20	18	P	P	21 35 04.1	-0.8
M04C	Macdoel	37.20	337	P	P	21 35 04.8	-0.4
KHMM	Horse Mountain	37.23	334	eP	P	21 35 06.8	+1.4
M02C	Callahan	37.28	335	P	P	21 35 04.4	-1.4
L48A	N Adams	37.31	23	P	P	21 35 03.0	-2.9
JCC	Jacoby Creek,	37.31	333	eP	P	21 35 07.4	+1.5
MCMT	McKenzie Canyo	37.32	349	eP	P	21 35 07.2	+0.9
J08A	Circle Bar Ran	37.39	341	eP	P	21 35 07.2	+0.6
H38A	Maiden Rock	37.40	13	P	P	21 35 04.8	-1.8
I41A	Arkdale	37.41	16	eP	P	21 35 06.3	-0.4
I41A	Arkdale	37.41	16	P	P	21 35 05.3	-1.4
M50A	Fremont	37.42	25	P	P	21 35 04.8	-2.0
MCWV	Mont Chateau	37.49	30	eP	P	21 35 07.7	+0.2
MCWV	Mont Chateau	37.49	30	P	P	21 35 06.3	-1.1
YBH	Yreka Blue Hor	37.51	336	LR	LR	21 48 07.7	0.0
YBH	Yreka Blue Hor	37.51	336	eP	P	21 35 07.1	-0.6
YBH	Yreka Blue Hor	37.51	336	eP	pmx	21 35 07.1	-0.6
I42A	Drager Farm,	37.52	17	eP	P	21 35 06.8	-0.8
I42A	Drager Farm,	37.52	17	P	P	21 35 05.7	-1.9
H39A	Augusta	37.63	14	P	P	21 35 06.7	-1.8
K05A	Summer Lake	37.65	338	eP	P	21 35 10.0	+1.0
L49A	Milan	37.71	24	P	P	21 35 07.2	-2.1
CBN	Corbin Frederi	37.71	34	PFAKE	LR	21 35 20.0	+1.1
CBN	Corbin Frederi	37.71	34	P	P	21 35 08.1	-1.2
I43A	Langefeld Bro	37.74	18	P	P	21 35 07.7	-1.8
GCMT	Greycliff	37.74	352	eP	P	21 35 10.2	+0.5
MTP	Monte Pirata	37.75	71	eP	P	21 35 09.6	-0.3
L04D	Klamath Falls	37.75	336	P	P	21 35 09.4	-0.4
DLMT	Dillon	37.79	349	eP	P	21 35 10.4	+0.3
H40A	Chili	37.79	15	P	P	21 35 08.2	-1.7
SPMN	Marine on St.	37.81	12	eP	P	21 35 09.5	-0.6
SPMN	Marine on St.	37.81	12	P	P	21 35 08.5	-1.6
BOZ	Bozeman (W)	37.84	350	eP	P	21 35 11.3	+0.8
BOZ	Bozeman (W)	37.84	350	eP	LR	21 35 11.3	+0.8
BOZ	Bozeman (W)	37.84	350	eP	pmx	21 35 11.3	+0.8
BOZ	Bozeman (W)	37.84	350	eP	MLR	21 35 11.3	+0.8
BOZ	Bozeman (W)	37.84	350	eP	MLR	21 35 10.3	-0.2
K04D	Chiloquin, OR	37.88	337	P	P	21 35 09.7	-1.2
AAM	Ann Arbor	37.92	24	PFAKE	LR	21 35 20.0	+9.0
AAM	Ann Arbor	37.92	24	P	P	21 35 08.4	-2.7
G38A	Ridgeland	37.96	13	P	P	21 35 09.2	-2.2
H41A	Junction City	37.98	16	eP	P	21 35 10.8	-0.7
H41A	Junction City	37.98	16	P	P	21 35 09.5	-2.0
PCRV	Puerto La Cruz	37.99	84	LR	LR	21 50 16.6	
H42A	Shiocton	38.19	17	P	P	21 35 11.1	-2.2
LRM	Limekiln Ridge	38.20	349	eP	P	21 35 14.0	+0.3
G39A	Holcombe	38.23	14	P	P	21 35 11.7	-1.9
L02D	Cave Junction,	38.23	335	P	P	21 35 13.7	+0.1
J05D	Fort Rock, OR	38.26	338	P	P	21 35 14.0	-0.1
LAO	LASA Array	38.30	357	eP	P	21 35 13.7	-0.7
LAO	LASA Array	38.30	357	eP	LR	21 35 13.2	-1.1
LAO	LASA Array	38.30	357	eP	P	21 35 13.2	-1.1
F37A	Hirichs Farm,	38.33	12	P	P	21 35 12.9	-1.5
HUMO	Hull Mountain	38.34	336	eP	P	21 35 13.8	-0.9
STVI	Saint Thomas	38.35	71	P	P	21 35 13.6	-1.4
H43A	Windswept, Lx	38.38	18	P	P	21 35 13.3	-1.7
BMO	Blue Mountains	38.40	344	eP	P	21 35 15.0	-0.2
BMO	Blue Mountains	38.40	344	eP	LR	21 35 15.0	-0.2
BMO	Blue Mountains	38.40	344	eP	pmx	21 35 15.0	-0.2
BMO	Blue Mountains	38.40	344	eP	MLR	21 35 15.0	-0.2
N54A	Moraine State	38.43	29	eP	P	21 35 14.8	-0.6
N54A	Moraine State	38.43	29	P	P	21 35 14.0	-1.4
G40A	Rib Lake	38.45	15	eP	P	21 35 14.8	-0.6
KBO	Bosley Butte	38.53	335	eP	P	21 35 17.9	+1.5
O56A	Blue Knob Stat	38.59	31	eP	P	21 35 16.8	0.0
O56A	Blue Knob Stat	38.59	31	P	P	21 35 15.5	-1.3
PINE	Pine Mountain	38.60	339	eP	P	21 35 18.0	+1.0
G41A	Antigo	38.66	16	P	P	21 35 15.2	-2.0
K02D	Willamette Mer	38.70	336	P	P	21 35 17.1	-0.6
F38A	Pierce - Schro	38.71	13	P	P	21 35 16.1	-1.6
F39A	Loretta	38.88	14	P	P	21 35 16.9	-2.2
G42A	Mountain	38.89	17	eP	P	21 35 18.6	-0.7
G42A	Mountain	38.89	17	P	P	21 35 17.2	-2.0
HRV	Holter Researc	38.96	350	eP	P	21 35 19.0	-0.8
ABVI	Anegada Island	39.00	71	eP	P	21 35 19.5	-0.9
M54A	Oil Creek Stat	39.01	28	eP	P	21 35 19.3	-1.0
M54A	Oil Creek Stat	39.01	28	P	P	21 35 18.8	-1.4
F40A	Park Falls	39.02	14	P	P	21 35 18.9	-1.8
G43A	Wallace	39.07	17	eP	P	21 35 19.7	-1.4

G43A	Wallace	39.12	17	P	P	21 35 18.9	-2.2
KEBM	Edson Butte	39.12	335	eP	P	21 35 22.5	+1.2
I04A	Tendler Farm,	39.13	338	P	P	21 35 20.6	-0.7
F41A	Three Lakes	39.16	16	P			

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DDFL Dedoflistskaro, DGRG David-gareji, ZKTA Zakatala, ZKTA Qusar, OSAR Qusar, IGZV Ghazvin, DUS Dusheti, IRAZ Razezhan.

IDC 17:23:16:03.8-3.0, 7.44S:120.80E, h240km, 29km, mb2.5/2, mb1 2.9/5, mb1mx2.7/5.7, mbtmp3.5/5, Error ellipse: s-maj=103.3km s-min=25.1km az=58.0, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BATI Baunata, BATI Waramunga Arr, FITZ Waramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 17:23:27:15.0-2.4, 10.54S:156.35E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/4.3, mbtmp3.7/4, MS3.4/1, Ms1 3.4/1, ms1mx2.6/4.2, Error ellipse: s-maj=88.8km s-min=27.6km az=132.0, South of Solomon Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PMG Port Moresby, WRA Waramunga Arr, ASAR Alice Springs, SONM Songoing Array, ILAR Eielson Array.

MDD 17:23:42:03.0-0.6, 35.17N:5.11W, h78km, 6km, mb2.6/2, Error ellipse: s-maj=7.1km s-min=4.7km az=93.0, PRXIMO CNRM 17:23:42:03.3, 05.08N:5.22W, h11km, ML1.6, INMG 17:23:42:04.1, 0.9, 35.20N:5.21W, h3km, ML1.8, Error ellipse: s-maj=6.1km s-min=3.2km az=58.0, SFSS 17:23:42:04.0, 35.26N:5.08W, h85km, ML2.2, BOU AHMED (MARRUECOS) IGLI 17:23:42:04.9, 35.20N:5.18W, h31km, ML1.9, ISC 17:23:41:60.0-1.3, 35.25N:0.03:5.09W:0.04, h10km, n42, az=226/61, 1D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ECEU Ceuta, ECEU Sarsar, RSA Sarsar, MDT Midelt, ECAB EI Cabril, ECAB Adamuz, EADA Adanuz, EGRO Castro Verde, PVAQ Vaqueiros, PVAQ Vaqueiros, EQES Quesada, PBVD Barranco-do-Ve, PBVD Barranco-do-Ve, PBAR Barrancos, PBAR Barrancos, PCVE Castro Verde, PCVE Castro Verde, PBEJ Beja, PBEJ Beja, PFVI Vila Bisbo, PFVI Vila Bisbo, MESJ Messejana, MESJ Messejana, PTEO Sao Teotonio, PTEO Sao Teotonio.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include EBAD Badajoz, PNCL Nicoula / Gran, PESTR Estremoz, PAB San Pablo, PMRV Marv??o, PMRV Marv??o, PMTG Montargil, PVIS Viseu, PVIS Viseu, MVO Moncorvo, MVO Lamas de Olo.

CRAEA 17:23:49:01.9, 36.45N:1.61E, ML2.5, ISCJB 17:23:49:03.2, 0.5, 36.59N:0.03:1.02E:0.05, h14km, Error ellipse: s-maj=6.9km s-min=4.1km az=148.2, MDD 17:23:49:04.7, 1.7, 36.39N:1.17E, h51km, 27km, mb3.7/3, Error ellipse: s-maj=15.5km s-min=10.3km az=131.0, PRXIMO ISC 17:23:49:02.6-1.1, 36.47N:0.04:1.09E:0.05, h14km, n16, az=135/25, Northern Algeria

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ECHF Ech Chlef, ECHA Ech Chlef, EBNR Beni Rached, EANR 'Ain N'Sour, EANR 'Ain N'Sour, OKGL Djebel Kef Gue, OKGL Djebel Kef Gue, EMUR La Murta, EBEN2 Beniarda presa, EBEN2 Beniarda presa, EIBI Ibiz, EIBI Ibiz, ETOB Tobarra, ETOB Tobarra, EBER Berja, EBER Berja, SESP Santiago Espad, SESP Santiago Espad, ECHE Chera, ECHE Chera, EQES Quesada, EQES Quesada, EMOS Mosqueruela, EMOS Mosqueruela, EMOS Mosqueruela.

IDC 18:00:07:39.1-1.2, 4.58N:90.19E, h0km, mb4.1/16, mb01 4.2/19, mb1mx3.9/6.9, mbtmp4.1/19, ML3.8/2, MS3.2/7, Ms1 3.2/7, ms1mx2.8/6.8, Error ellipse: s-maj=32.3km s-min=19.4km az=26.0, NEIC 18:00:07:40.2, 0.7, 4.51N:90.21E, h0km, mb4.3/2, Error ellipse: s-maj=17.7km s-min=10.1km az=198.0, ISCJB 18:00:07:41.9, 0.9, 4.5N:0.1:9.0E:0.1, h0.33km, mb4.0/18, MS3.3/5, Error ellipse: s-maj=20.2km s-min=13.7km az=8.8, ISC 18:00:07:43.4, 1.0, 4.5N:0.2:9.0E:0.09, h35km, n30, az=127/23, mb4.1/18, MS3.3/5, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PSI Prapat, PSI Prapat, PALK Palk, PALK Palk, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, BRDH Bariadhala, H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, LSA Lhasa, NIL Nil, NIKAR Makanchi Array, GEYT Alibek, H01W3 Cape Leeuwin H, NWA0 Narragin (SR), H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, SONM Songoing Array, KURBK Kurchatov Arr, ZALV Zalesovo Beam, ZALV Zalesovo Beam, WRA Waramunga Arr, BVAR Borovoye Array, BVAR Borovoye Array, BRTR Keskin Array B, NRIK Noril'sk, MLR Muntele Rosu, PETK Petropavlovsk, PETK Petropavlovsk, FINES FINESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, GERES GERES Array B.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HFS Hagfors, NOA NORSTAR Array B, NOA NORSTAR Array B.

DDA 18:00:43:36.8, 38.72N:43.53E, h7km, ML2.5, ISK 18:00:43:36.5, 38.75N:43.50E, h14km, ML2.4/4, ISCJB 18:00:43:37.4, 0.8, 38.76N:0.04:43.52E:0.07, h20km, 7km, Error ellipse: s-maj=10.1km s-min=5.8km az=35.4, ISC 18:00:43:36.4-1.2, 38.76N:0.05:43.54E:0.05, h24km, 8km, n12, az=57/17, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include VANB Van, VANB Van, VMUR Van-Muradiye, ERVC ERICIS-VAN, ERVC ERICIS-VAN, CLDR Caldiran, CLDR Caldiran, CLDR Caldiran, GEVA Gevas, ADCV BITLIS Adilcev, ADCV BITLIS Adilcev, TUTA Tutak, IGTA Hamur-Agry, IGTA IGDIR, GURO Guromyak-BITLI, EATA Eleskirt.

ISCJB 18:00:44:13.1-0.7, 19.9S:0.1:178.3W:0.1, h602km, mb4.0/14, Error ellipse: s-maj=20.8km s-min=11.1km az=152.4, IDC 18:00:44:13.9, 1.5, 19.87S:178.31W, h598km, 16km, mb3.5/14, mb1 3.7/17, mb1mx3.4/4.9, mbtmp4.5/17, Error ellipse: s-maj=22.6km s-min=11.3km az=154.0, ISC 18:00:44:14.2, 0.8, 19.8S:0.2:178.3W:0.1, h602km, n27, az=193/27, mb4.0/14, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include AFI Afiamalu, DZM Mont Dzumac, URZ Urewera, CTA Charters Tower, PMG Port Moresby, JAY Jayapura, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, WRA Waramunga Arr, FITZ Fitzroy Crossi, MJAR Matsushiro Arr, KSRS Kora Arr, USRK Ussurek Arr, NVAR Mina Arr, TXAR Laitias Arr, ILAR Eielson Array, PDAR Padaraj Arr, CMAR Chiang Mai Arr, ARCES ARCESS Array B, FINES FINESS Array B, HFS Hagfors, AKASA Matin Arr, EKA Eskdalemuir Arr, BRTR Keskin Array B, MMAI Mount Meron Arr, MLR Muntele Rosu, GERES GERES Array B, DAVOX Davos/Dischmat.

NNC 18:00:45:42.6-3.6, 36.97N:71.13E, h176km, 56km, mb2.5, mpv3.5, 5C-4D, Error ellipse: s-maj=40.5km s-min=34.5km az=77.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SFK Sufi-Kurgan, SFK Sufi-Kurgan, MNAS Mnas, MNAS Mnas, KK31 Karatay Array, KK31 Karatay Array, AAK Ala-Archa, AAK Ala-Archa, AB31 Akbulak array, AKTO Aktyubinsk.

ISCJB 18:00:56:51.7-0.5, 50.20N:0.03:18.94E:0.03, h0km, Error ellipse: s-maj=4.2km s-min=2.6km az=13.9, IPEC 18:00:56:52.0-0.2, 50.28N:19.04E, h0km, ML1.9/3, Error ellipse: s-maj=2.7km s-min=1.1km az=170.0, PRU 18:00:56:52.0, 50.21N:19.09E, h0km, WAR 18:00:56:52.6, 50.22N:19.01E, h1km, Mw2.5, ISC 18:00:56:51.9, 0.8, 50.12N:0.03:18.91E:0.02, h0km, n25, az=57/247, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CHZP Chorzw, CHZP Chorzw, CHZP Chorzw, OJC Ojcow, OJC Ojcow, OJC Ojcow, MORC Moravsky Berou, MORC Moravsky Berou.

18d 3h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MORC, LIPTOVSKA ANNA, NIEDZICA, etc.

IDC 18 00:57:05.2, 3.6, 37.37S; 179.77W, h0km, mb3.6/2, mb1.3/9.3, mb1mx3.6/43, mbtmp3.6/3, ML3.4/1, MS2.6/3, Ms1.2/6.3, ms1mx2.4/39, Error ellipse: s-maj=136.9km s-min=31.3km az=154.0

NEIC 18 00:57:08.0, 0.0, 37.47S; 179.55W, h33km, ML4.0(WEL), After WEL

ISC 18 00:57:07.6, 1.8, 37.8S; 179.50W, 0.1, h32km, n39, e1919/38, East of North Island

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

JMA 18 01:17:23.6, 0.1, 29.75N; 141.71E, h54km, M3.9, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBIJ, JHJ, BSO3, etc.

AZER 18 01:48:23.6, 0.1, 38.26N; 46.52E, h10km, m3.5/23, Error ellipse: s-maj=3.8km s-min=1.2km az=32.0

TEH 18 01:48:25.1, 38.45N; 46.69E, h4km, ML3.0

ISC 18 01:48:24.3, 1.2, 38.24N; 0.003; 46.60E; 0.02, h3km, 10km, n42, e161/67, 22C-16D, Iran-Armenia-Azerbaijan border region

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

2012 AUG

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

ISCJB 18 01:50:47.9, 0.4, 28.58N; 0.05; 16.50W; 0.03, h42km, 6km, Error ellipse: s-maj=8.3km s-min=4.8km az=166.1

MDD 18 01:50:51.1, 0.2, 28.53N; 16.51W, h27km, 2km, mbLg3.8/9, Error ellipse: s-maj=2.5km s-min=0.8km az=173.0

MDD EMS: IV INTENSIDAD MAXIMA

INMG 18 01:50:52.6, 0.8, 28.58N; 16.52W, h10km, ML3.5, Error ellipse: s-maj=2.1km s-min=0.6km az=129.0

PDA 18 01:50:52.0, 28.55N; 16.53W, h10km, ML3.5

CNRM 18 01:51:00.1, 29.41N; 16.01W, h30km, ML4.1

ISC 18 01:50:48.3, 1.2, 28.65N; 0.04; 16.52W; 0.03, h33km, 2km, n24, e233/35, 1C-2D, Canary Islands region

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

ISCJB 18 02:53:46.7, 1.3, 16.13N; 87.10W, h0km, mb3.5/6, mb1.3/8/8, mb1mx3.6/47, mbtmp3.6/8, ML3.3/2, MS2.8/4, Ms1.2/8.4, ms1mx2.5/38, Error ellipse: s-maj=39.2km s-min=24.3km az=35.0

ISCJB 18 02:53:49.5, 0.8, 16.0N; 0.1; 87.3W; 0.1, h33km, mb3.6/5, MS2.8/2, Error ellipse: s-maj=21.3km s-min=13.5km az=43.5

ISC 18 02:53:51.6, 0.8, 16.1N; 0.1; 87.3W; 0.1, h35km, n12, e085/10, mb3.6/5, North of Honshu

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

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

ISCJB 18 03:38:00.9, 0.9, 39.13N; 0.04; 142.29E; 0.09, h46km, 6km, mb4.0/14, MS3.3/5, Error ellipse: s-maj=12.0km s-min=5.3km az=15.2

JMA 18 03:39:00.4, 0.1, 39.16N; 142.36E, h33km, 1km, M4.2

NIED 18 03:38:00.39; 20N; 142.40E, h38km, Mw4.0, Best double couple: M1.31000; 1015; NP1.306.0000; 810.00000; lambda=160.00000; NP2.306.196.00000; 887.00000; lambda=81.00000

IDC 18 03:38:01.6, 0.8, 39.08N; 142.22E, h34km, 6km, mb3.8/12, mb1.3/8/16, mb1mx3.5/76, mbtmp3.9/16, ML3.2/4, MS3.0/12, Ms1.3/1/2, ms1mx2.8/72, Error ellipse: s-maj=20.4km s-min=15.8km az=98.0

NEIC 18 03:38:04.4, 0.9, 39.12N; 142.14E, h59km, 7km, mb4.2/1, Error ellipse: s-maj=11.0km s-min=6.9km az=105.0

NEIC Flooded [2 JMA] in Iwate

ISC 18 03:38:01.4, 0.9, 39.11N; 0.04; 142.22E; 0.06, h32km, 5km, n43, e140/45, mb4.1/14, MS3.3/5, Near east coast of eastern Honshu

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

ISCJB 18 03:38:01.4, 0.9, 39.11N; 0.04; 142.22E; 0.06, h32km, 5km, n43, e140/45, mb4.1/14, MS3.3/5, Near east coast of eastern Honshu

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

comp=Z,14nm,18.3s,baz=185,slow=40
AKASG Malin Array Be 73.05 322 P P 03 49 27.1 -0.8

NOA NORSAR Array B 70.22 329 P P 04 13 09.7 -1.4
GERES GERES Array B 70.62 316 P P 04 13 12.6 -1.2

MKAR Makanchi Array 59.9 325 P P 05 52 40.8 -0.7
KURBB Kurchatov Arra 57.15 327 P P 05 53 11.2 -0.2

ISCJB 18 03:49:47.1±2.0,52.36N,0.06:165.26W,0.07,
h19km,16km,mb3.7/6,MS2.9/1,Error ellipse: s-maj=10.2km

ISCJB 18 04:33:03.4±1.1,43.34N,0.07:126.8W,0.1, h10km,
mb3.1/3, Error ellipse: s-maj=13.6km s-min=7.0km

IDC 18 05:43:28.9±0.7,5.46N,61.69E, h0km, mb4.0/19,
mb1.4/219, mb1mx3.8/273, mb1mp4.0/19, MS3.6/35,

IDC 18 03:49:47.6±1.8,52.60N,0.06:165.19W, h0km, mb3.7/6,
mb1.3/8.8, mb1mx3.4/86, mb1mp3.6/8, ML3.1/2, MS2.9/1,

IDC 18 04:33:03.4±2.0,43.32N,0.12:171.7W, h0km, mb3.1/3,
mb1.3/4.8, mb1mx3.2/80, mb1mp3.2/8, ML3.5/MS2.7/3,

ISCJB 18 05:43:29.0±0.4,5.47N,0.07:61.71E,0.07, h14km,
mb4.2/31, MS3.6/33, Error ellipse: s-maj=11.2km

NEIC 18 03:49:49.0±0.0,52.41N,165.32W, h32km, ML3.0(AEIC),
After AEIC

ISC 18 04:33:05.4±1.7,43.31N,0.10:126.8W,0.1, h10km, n19,
c1916/22, mb3.1/3, Off coast of Oregon

NEIC 18 05:43:30.1±0.3,5.39N,61.68E, h10km, mb4.6/12, Error
ellipse: s-maj=7.5km s-min=6.9km az=68.0

ISC 18 03:49:49.5±1.6,52.55N,0.2:165.29W,0.06, h20km,10km,
n21,c161/28, mb3.8/6, South of Aleutian Islands

ISC 18 04:33:03.4±2.0,43.32N,0.12:171.7W, h0km, mb3.1/3,
mb1.3/4.8, mb1mx3.2/80, mb1mp3.2/8, ML3.5/MS2.7/3,

ISC 18 05:43:30.6±0.6,5.39N,0.09:61.7E,0.1, h14km, n86,
c1983/55, mb4.2/31, MS3.6/33, Charles Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include UNV Unalaska Valle, MREP Makushin Rep't, WGD Makushin Gods, AKMO Akutan Morgan, AKSA Akutan Strait, AKSA Akutan Strait, MSW Makushin Switc, MTBL Makushin Table, OKFG Magazine Ridge, OKFG Magazine Ridge, OKTU Okmok Mt. Tuli, NIKH Nikolski High, DTI Dutton Round H, SDPT Sand Point, KDAK Kodiak Island, KDAK Kodiak Island, ILAR Eielson Array, INUK Inuvik, PDAR Pinedale Array, JUNU Nakatsue, TXAR Lajitas Array, KURBB Kurchatov Arra, FINES FINESS Array B, HFS Hagfors.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include J01D Myrtle Point, I02D Swisschome, K02D Williams Mer, K02D Williams Mer, I03D Drain, OR, I03D Drain, OR, G02D Cave Junction, G03D McMinville, O, H04D Lebanon, YBH Frea Blue Hor, YBH Frea Blue Hor, J04D Umpqua National, E04D Cinebar, F05D White Salmon, D03D Eldon, NVAR Mina Array Bea, NEW Newport, NEW Newport, BBB Bella Bella, PDAR Pinedale Array, PDAR Pinedale Array, ULM Lac du Bonnet, TXAR Lajitas Array, ILAR Eielson Array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include M05E Mahe Island, H08N2 Diego Garcia H, H08N2 Diego Garcia H, H08N1 Diego Garcia H, WSAR Wadi Sarin, PALK Pallekele, RAYN Ar Rayn, KMBO Kilima Mbogo, OPO Ambोधidatempo, GEYT Alibek, MMAI Mount Meron Ar, PSI Prapat, GNI Garni, CMAR Chiang Mai Arr, CM01 Chiang Mai Arr, AAK Ala-Archa, KBZ Kurbatov Arra, KBZ Kurbatov Arra, BR10T Keskin Array S, BR13T Keskin Array S, BRTR Keskin Array B, ANTO Ankara, ABKAR Akbulak array, MAKZ Makanchi, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, AKTO Aktyubinsk, AKTO Aktyubinsk, KURBB Kurchatov Arra, KURK Kurchatov, LEM Lembang, BVAR Borovoye Array, BVAR Borovoye Array, ITM Ithomi, BOSA Boshof, BOSA Boshof, TSUM Tsumeb, VTS Vitoshka, MLR Muntele Rosu, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, BUR04 Bucovina Ar, BUR08 Bucovina Ar, AKASG Malin Array Be, AKKB Malin Array Si, KIEV Kiev, SONA0 Songino Array, SONM Songino Array, SONM Songino Array, SONA1 Songino Array, TGY Tagaytay City, TORD Torod Ar, Be, TORD Torod Ar, Be, TOA1 Torodi Arr, DAVO Davos Dischmat, COLL Collin, FINES FINESS Array B, FINES FINESS Array B, H01W3 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, NFAO Narragin (SR), HWS Hagfors, HFS Hagfors, DBIC Dimbokro, NOA NORSAR Array B, NDT NORSAR Array B, FITZ Fitzroy Crossi, ES19 SONECA Array, KSAR Wonju Array Be, ESDC Sonseca Array, ESLA Sonseca Array, KRSR Korea Array, PAB San Pablo, ARAO ARCES Array S, ARAO ARCES Array B, ARCS ARCES Array B, MAW Mawson.

IDC 18 03:50:53.7±1.0,5.87N,125.13E, h0km, mb3.5/5,
mb1.3/6.5, mb1mx3.4/64, mb1mp3.5/5, Error ellipse: s-maj=33.4km s-min=12.6km az=98.0

ISCJB 18 05:43:29.0±0.9,6.07N,0.06:126.56E,0.07, h35km,
mb3.3/5, Error ellipse: s-maj=10.5km s-min=7.2km

BR10T Keskin Array S 42.52 328 eP P 05 51 26.6 +0.7
BR13T Keskin Array S 42.52 328 eP P 05 51 26.6 +0.7

MAN 18 03:50:58.2±6.2,25N,126.69E, h49km, mb4.5, ML3.3, MS3.1
ISC 18 03:50:57.8±1.2,6.16N,0.07:126.56E,0.09, h35km, n11,
c233/15, mb3.3/5, I, C, Mindanao

NDI 18 05:09:32.8±2.5,25.33N,93.92E, h10km, ML2.9
ISC 18 05:09:33.8±1.5,25.31N,0.05:93.8E,0.1, h7km, n17km, n7,
c1524/13, Northeastern India

BRTR Keskin Array B 42.52 328 P P 05 51 26.6 +0.7
ANTO Ankara 430.0 327 eP P 06 09 55.0
ABKAR Akbulak array 43.74 358 eP P 05 51 35.3 -0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include MATI Mati, DMPP Don Marcelino, DAV Davao City (W), DAV Davao City (W), GSPH General Santos, GSPH General Santos, SKMP Bagumbayan, Su, BUKP Musuan, BUKP Musuan, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Asia Springs, MKAR Makanchi Array, KURBB Kurchatov Arra, ISCJB 18 04:01:56.3±0.4,20.80N,0.09:97.5E,0.1, h10km,
mb4.0/17, MS3.6/2, Error ellipse: s-maj=21.3km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include IMP Imphal, KOHI KOHIMA, KOHI KOHIMA, MOKO MOKOCHONG, MOKO MOKO, MOKO MOKO, MOKO MOKO, TEZP TEZPUR, TEZP TEZPUR, TEZP TEZPUR, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, IMP Imphal, KOHI KOHIMA, KOHI KOHIMA, MOKO MOKOCHONG, MOKO MOKO, MOKO MOKO, MOKO MOKO, TEZP TEZPUR, TEZP TEZPUR, TEZP TEZPUR, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, IMP Imphal, KOHI KOHIMA, KOHI KOHIMA, MOKO MOKOCHONG, MOKO MOKO, MOKO MOKO, MOKO MOKO, TEZP TEZPUR, TEZP TEZPUR, TEZP TEZPUR, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, SHL Shillong, ITAN ITANAGAR, ITAN ITANAGAR, GUWA GUWAHATI, GUWA GUWAHATI, GUWA GUWAHATI, IMP Imphal, KOHI KOHIMA, KOHI KOHIMA, MOKO MOKOCHONG, MOKO MOKO, MOKO MOKO, 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Table with columns: KUU, Kurty, baz=97, 2.80 296 eP, Pb, 06 23 55.2 -0.3, etc. Includes stations like Kurty, KST, BOOM, DGS, TKM2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like CTBH, SKMP, PAGZ, etc.

SOME 18 06:31:00.1, 40.85N-69.73E, h15km
NNC 18 06:31:01.5, 2.3, 40.80N-69.79E, h0km, mb3.9, ML2.6, MS2.2, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like IUG, BTk, ARK, BRLS, etc.

Table with columns: AML, Almayashu, baz=66, 3.29 68 fP, Pn, 06 31 55.9 +2.3, etc. Includes stations like EKS2, AAK, AAK, etc.

JMA 18 06:31:46.2, 35.33N-137.50E, h53km, jkm, M3.0, 4C-2D
Broadband fault plane solution: P waves. NP1:

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

IDC 18 06:36:37.8, 1.4, 5.85N-61.92E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.4/69, mbmtmp3.7/6, MS3.3/14, Msl 3.3/14,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like H08N2, H08N3, WSAR, etc.

ASAJ Asahikawa 79.26 46 LR
comp=Z, 19nm, 19.0s, baz=19, slow=36

ISCJB 18 06:43:16.8, 0.5, 20.53S-178.33W, 0.10, h587km, mb3.9/21, Error ellipse: s-maj=17.6km s-min=9.6km az=48.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like DZM, URZ, RPZ, etc.

Table with columns: NVAR, Mina Array, 81.22 43 P, P, 06 54 33.6 -0.1, etc. Includes stations like KLR, SEY, TXAR, etc.

CASC 18 06:43:42.8, 2.1, 12.96N-89.07W, h32km, 2km, MD3.8, ML3.9

NEIC 18 06:43:46.2, 1.5, 13.09N-88.88W, h35km, MD3.8(SNET), Error ellipse: s-maj=41.5km s-min=11.1km az=210.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like UESV, SNVI, LFRS, etc.

COLS Colinas 0.74 335 eS Pb 06 43 57.2 +0.2

OPAM San Salvador 0.75 343 eS Pb 06 43 57.2 +0.0

LFU La Fuente 0.76 350 i P Pb 06 43 57.8 +0.3

BOQ Boqueron 0.79 338 eS Pb 06 44 58.0 0.0

SBL San Blas 1.05 323 eP Pg 06 44 01.6 +0.1

RTR El Retiro 1.11 324 eP Pg 06 44 02.5 -0.2

CSGN Cosiguina Volc 1.38 91 eP Pn 06 44 03.7 -0.3

BOAB BOACO BROADBAN 28 99 eP Pn 06 44 33.8 +0.1

NIED 18 06:51:00.28, 30N-139.10E, h520km, Mw4.9 Best double couple: M2.70000x1016 NP1: 3.53, 0.00000, 1.165, 0.00000

JMA 18 06:51:39.9, 0.1, 26.29N-139.08E, h543km, M5.2

MOS 18 06:51:41.7, 0.9, 28.35N-138.72E, h535km, mb4.8/125, Error ellipse: s-maj=6.5km s-min=3.8km az=102.4

ISC 18 06:51:41.7, 0.3, 28.40N-138.84E, 0.03, h525km, 3km, h525km, pp-P, n62.1, 117/1092, mb4.8/431, 39C-10D, Bonin Islands region

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

18d 6h

Table with columns for call sign, name, frequency, and other parameters. Includes entries like JIE Ise, BSO1 Boso, JAI Aioi, etc.

2012 AUG

Table with columns for call sign, name, frequency, and other parameters. Includes entries like SHO Shikotan, SHO Shikotan, SHO Shikotan, etc.

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Table with columns for call sign, name, frequency, and other parameters. Includes entries like MANU Manus Island, SONA1 Songino Array, SONM Songino Array, etc.

SHL	Shillong	41.74 277	eP	P	06 58 45.0 -0.1
SHL	Shillong	41.74 277	eP	P	06 58 45.2 +0.1
SHL			pmax	pmax	
ATKA	Alka Island	42.02 42	eP	P	06 58 47.5 +0.9
TRTT	Trang	42.18 249	P	P	06 58 49.6 +1.1
COEN	Coen	42.31 174	eP	P	06 58 49.9 +0.5
MYKOM	Kota Tinggi	42.60 238	eP	P	06 58 52.4 +0.7
MYKOM	Kota Tinggi	42.60 238	P	P	06 58 53.0 +1.3
KGM	Kluang	42.85 239	P	P	06 58 54.0 +0.3
KULM	Kulim	42.87 245	eP	P	06 58 54.7 +0.8
KULM	Kulim	42.87 245	P	P	06 58 55.0 +1.1
IPM	Ippoh	43.06 244	P	P	06 58 55.5 +0.1
WMQ	Urumqi	43.41 305	P	P	06 58 59.1 +1.4
WMQ			pP	PcP	07 00 34.3 -0.2
WMQ			PP	PP	07 00 52.8 +3.0
WMQ			pmax	pmax	
WMQ			pmax	pmax	
TIXI	Tiksi	43.65 355	P	P	06 58 59.3 +0.2
TIXI	Tiksi	43.65 355	eP	P	06 58 59.3 +0.2
TIXI	Tiksi	43.65 355	eP	P	06 58 59.0 -0.1
TIXI			pmax	pmax	
DGZ	Jazzator, Alta	44.22 313	i P	P	06 59 04.9 +0.8
NIKH	Nikolski High	45.37 42	eP	P	06 59 13.1 +0.5
BKNI	Bangkok	45.67 239	eP	P	06 59 16.3 +0.8
PSI	Prapat	45.74 243	P	P	06 59 16.6 +0.4
PSI	Prapat	45.74 243	eP	P	07 03 46.1 +0.1
PSI	Prapat	45.74 243	eP	P	06 59 16.3 +0.1
PSI	Prapat	45.74 243	eP	P	07 03 46.1 +0.1
PSI	Prapat	45.74 243	eP	P	06 59 16.3 +0.1
LEM	Lembang	46.19 226	P	P	06 59 19.7 +0.1
ZAAO	Zalesovo Array	46.56 319	eP	P	06 59 21.4 -0.3
ZAAO	Zalesovo Beam	46.56 319	eP	P	07 00 45.1 -0.1
ZALV	Zalesovo Beam	46.56 319	eP	P	07 00 44.3 -1.0
ZALV	Zalesovo Beam	46.56 319	eP	P	07 03 46.9 -1.7
ZALV	Zalesovo Beam	46.56 319	eP	P	06 59 21.2 -0.5
ZALV	Zalesovo Beam	46.56 319	eP	P	07 00 44.9 -0.4
ZALV	Zalesovo Beam	46.56 319	eP	P	07 03 46.9 -1.7
UNV	Unalaska Valle	46.92 41	eP	P	06 59 24.6 +0.2
MK01	Makanchi Array	47.35 309	eP	P	06 59 28.4 -3.2
MK31	Makanchi Array	47.36 309	eP	P	06 59 28.4 +0.6
MK31	Makanchi Array	47.36 309	eP	P	06 59 28.5 +0.6
MKAR	Makanchi Array	47.36 309	eP	P	06 59 28.1 +0.2
MKAR	Makanchi Array	47.36 309	eP	P	07 00 48.0 -0.3
MKAR	Makanchi Array	47.36 309	eP	P	07 03 51.1 -1.1
MKAR	Makanchi Array	47.36 309	eP	P	06 59 25.2 -2.6
MKAR	Makanchi Array	47.36 309	eP	P	07 00 48.0 -0.3
MKAR	Makanchi Array	47.36 309	eP	P	07 03 51.1 -1.1
MKAR	Makanchi Array	47.36 309	eP	P	06 59 28.1 +0.2
MKAR	Makanchi Array	47.36 309	eP	P	07 00 48.0
MNAI	Manna	47.47 232	eP	P	06 59 28.7 -0.4
MAK2	Makanchi	47.57 309	eP	P	06 59 30.1 +0.6
MAK2	Makanchi	47.57 309	eP	P	06 59 30.1 +0.6
NVS	Novosibirsk	47.64 320	eP	P	06 59 29.9 +0.1
NVS			pmax	pmax	
NVS			pmax	pmax	
GSI	Gunsan	47.72 243	eP	P	06 59 31.2 +0.2
FITZ	Fitzroy Crossi	47.95 197	P	P	06 59 32.6 0.0
FITZ	Fitzroy Crossi	47.95 197	P	P	07 01 09.3 -1.5
FITZ	Fitzroy Crossi	47.95 197	P	P	07 03 54.4 -0.4
FITZ	Fitzroy Crossi	47.95 197	P	P	06 59 32.2 -0.4
FITZ	Fitzroy Crossi	47.95 197	P	P	07 01 09.3 -1.5
FITZ	Fitzroy Crossi	47.95 197	P	P	07 03 54.4 -0.4
FITZ	Fitzroy Crossi	47.95 197	P	P	06 59 32.2 -0.4
FITZ	Fitzroy Crossi	47.95 197	P	P	07 01 09.3 -1.5
FITZ	Fitzroy Crossi	47.95 197	P	P	07 03 54.4 -0.4
WRAB	Warrab Creek	48.24 186	eP	P	06 59 34.1 -0.7
WRAB	Warrab Creek	48.24 186	eP	P	06 59 34.1 -0.7
WB2	Warramunga Arr	48.25 186	eP	P	06 59 34.1 -0.7
WRA	Warramunga Arr	48.25 186	eP	P	06 59 34.1 -0.7
WRA	Warramunga Arr	48.25 186	eP	P	07 01 11.5 -1.8
WRA	Warramunga Arr	48.25 186	eP	P	07 03 55.4 -0.8
WRA	Warramunga Arr	48.25 186	eP	P	07 05 51.5 -4.2
CTA	Charters Tower	48.73 171	eP	P	06 59 38.4 +0.1
CTA	Charters Tower	48.73 171	eP	P	07 01 16.5 -0.6
CTA	Charters Tower	48.73 171	eP	P	06 59 38.5 +0.1
CTA	Charters Tower	48.73 171	eP	P	06 59 38.5 +0.1
PDGK	Podgornoye	49.36 304	P	P	06 59 44.7 +1.7
KURK	Kurchatov	49.95 314	eP	P	06 59 47.1 +0.1
KURK	Kurchatov	49.95 314	eP	P	07 00 57.4 -0.3
KURK	Kurchatov	49.95 314	eP	P	07 04 01.9 -1.2
KURK	Kurchatov	49.95 314	eP	P	06 59 47.1 +0.1
KURK	Kurchatov	49.95 314	eP	P	06 59 47.1 +0.1
KURK	Kurchatov	49.95 314	eP	P	07 00 57.4
KURBB	Kurchatov Arr	50.01 314	P	P	06 59 47.7 +0.3
KURBB	Kurchatov Arr	50.01 314	P	P	07 00 57.4 -0.5
KURBB	Kurchatov Arr	50.01 314	P	P	07 04 01.8 -1.5
ANM	Nome	50.16 28	eP	P	06 59 50.2 +1.9
ANM	Nome	50.16 28	eP	P	06 59 50.2 +1.9
PRZ	Przheval'sk	50.22 303	eP	P	06 59 51.2 +1.8
NR1K	Noril'sk	50.37 339	P	P	06 59 50.1 +0.4
SDPT	Sand Point	50.60 40	eP	P	06 59 51.5 -0.2
ULHL	Ulaloh	51.83 303	P	P	07 00 02.1 +1.0

CHGN	Chignik	51.85 39	eP	P	07 00 00.5 -0.2
AS01	Alice Springs	51.97 186	eP	P	07 00 01.2 -0.9
AS31	Alice Springs	51.98 186	eP	P	07 01 06.4 +0.7
AS31	Alice Springs	51.98 186	eP	P	07 01 01.4 -0.8
AS31	Alice Springs	51.98 186	eP	P	07 01 07.0 +1.4
ASAR	Ala-Archa	51.98 186	eP	P	07 00 11.1 -1.1
ASAR	Ala-Archa	51.98 186	eP	P	07 04 12.0 -0.2
ASAR	Ala-Archa	51.98 186	eP	P	07 06 41.8 -4.3
TKM2	Tokmak 2	52.24 304	P	P	07 00 05.3 +1.2
TKM2	Tokmak 2	52.24 304	P	P	07 00 04.9 +0.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	07 01 10.3 +3.1
KSH	Kashi	52.36 300	P	P	07 05 07.5 +0.5
KSH	Kashi	52.36 300	P	P	07 06 55.1 +3.8
KSH	Kashi	52.36 300	P	P	07 00 09.0 +4.1
KSH	Kashi	52.36 300	P	P	0

18d 6h

Table with columns: Station, Frequency, Power, Mode, and other details. Includes stations like AREO, TAU, RES, MSF, KTKI, YKA, VRH, TRO, LPSR, OBN, OBN, PGC, VSR, VSR, VORD, LLLB, NLWA, TBLG, TBLG, PUL, PUL, NCK, NCK, ZEI, ZEI, E03A, E03A, KIV, KIV, KIV, KIV, GNI, GNI, B06A, B06A, NEY, STEI, FIA1, FINES, FINES, D05A, D05A, AKH, AKH, AKH, AKH, LON, LON, LON, LON, COR, COR, COR, COR, KEBM, KBO, LTY, H04A, H04A, B08A, THZ, VSU, VSU, KONS, HUMO, JCC, KHMM, LTZ, F07A, HAWA, D08A, C09A, YBH, YBH, YBH, YBH, KMRM, RPZ, OXZ, E08A, PINE, KCPM, LBZ, NEW, NEW, NEW, ANN, ANN, ANN, WDC, WDC, WDC, E09A.

2012 AUG

Table with columns: Station, Frequency, Power, Mode, and other details. Includes stations like K05A, G08A, NSS, ODZ, GDXM, F10A, MOD, SUMG, SUMG, SUMG, ORV, ORV, ORV, WALA, JO8A, BMO, BMO, AKASO, AKKB, KIEV, KIEV, WWOR, WWOR, JTMT, AK11, BEKR, AFDM, SIM, SIM, SCO, SCO, SCO, RUBR, MSO, MSO, PAHR, VCNR, CMB, PNTR, SUW, SUW, SUW, SUW, NC301, NC305, HFS, NC401, NC400, NC405, NC403, NC400, NC402, NC404, YERR, NC403, MFID, NC201, WAKR, NC205, NC202, NC200, NB201, NB205, NC203, NC20B, NB2, NB2, NB200, NOA, NOA, NOA, NOA, NB202, NB204, NB203, MOL, NC602, NB002, NC600, NC603, NB003, NB000, NC604, NB004, NAO01, NAO05, NAO02, NAO00, NAO04, NAO03, SORM, BMN, BMN, BMM, BMM, RYN, RYH, AKN, KVN, KVN, KVN, MDPB.

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Table with columns: Station, Frequency, Power, Mode, and other details. Includes stations like RAYN, LRM, HLID, HLID, OMMB, PAGB, NV01, NVAR, NVAR, DLMT, NV11, FFC, FFC, FFC, MCMT, EGMT, EGMT, ILULI, ILULI, ILULI, BOZ, BOZ, BOZ, BOZ, VES, HYA, BR131, BR131, BRTR, TCLR, LVL, QLMT, CWC, YHB, ISA, ISA, ISA, ARVC, GRAC, YMR, TESR, GCMT, DAC, DAC, BIZ, OSI, OSI, YFT, BLG, BUR08, BURAR, YPP, MPMC, H17A, H17A, LKWW, TLB, KWP, KWP, VRI, IMW, R11A, R11A, HVU, HVU, FLWY, PLOR, LRMC, FXWY, BSD, BSD, FURC, EDW2, MOOW, DECC, BLS5, TPWA, RLMT, RLMT, TPNV, TPNV, TPNV, BGU, REDW, SNOW, LOHW, MWC, MWC, MWC.

SPUT	comp=Z,13nm,0.8s	84.36	46	eP	P	07 03 19.9 +1.1
AHID	South Promonto	84.40	44	eP	P	07 03 19.9 +0.9
ASF	Jabal al Asfar	84.46	304	P	P	07 03 19.2 -0.3
MLR	Muntele Rosu	84.54	319	P	P	07 03 19.9 +0.4
MLR	Muntele Rosu	84.54	319	iP	P	07 03 20.4 +0.9
DOPR	Dopca	84.58	320	iP	P	07 03 20.1 +0.6
GSC	Goldstone, Bar	84.64	53	eP	P	07 03 20.6 +0.5
GSC	Goldstone, Bar	84.64	53	P	P	07 03 20.9 +0.8
SFJD	Kangerlussuaq	84.64	4	P	P	07 03 19.3 0.0
SFJD	Kangerlussuaq	84.64	4	eP	P	07 03 19.5 +0.2
SFJD	Kangerlussuaq	84.64	4	iP	P	07 03 19.3 0.0
SFJD	Kangerlussuaq	84.64	4	eP	P	07 03 19.5 +0.2
SNART	Snartemo	84.65	337	eP	P	07 03 19.4 -0.2
UZH	Uzhgorod	84.67	323	P	P	07 03 20.2 +0.3
DUG	Dugway, Toeole	84.74	47	P	P	07 03 21.3 +0.7
DUG	Dugway, Toeole	84.74	47	P	P	07 03 21.5 +0.8
HWUT	Hardware Ranch	84.76	45	eP	P	07 03 21.8 +1.0
CRVS	Cervenica-Dubn	84.94	324	eP	P	07 03 21.1 -0.1
CRVS	Cervenica-Dubn	84.94	324	eP	P	07 03 21.1 -0.1
PSUT	Pine Spring	84.95	49	eP	P	07 03 22.3 +0.5
OJC	Ojcow	84.96	326	eP	P	07 03 20.8 -0.5
OJC	Ojcow	84.96	326	eP	P	07 03 20.6 -0.7
LAO	LASA Array	84.98	39	P	P	07 03 22.4 +0.8
LAO	LASA Array	84.98	39	P	P	07 03 22.3 +0.8
DGMT	Dagmar	84.99	37	eP	P	07 03 21.9 +0.4
DGMT	Dagmar	84.99	37	P	P	07 03 21.7 +0.1
BBRC	Big Bear Solar	85.09	54	P	P	07 03 22.8 +0.3
TCUT	Toone Canyon	85.13	46	eP	P	07 03 23.2 +0.6
CTU	Camp Tracy	85.14	46	eP	P	07 03 23.5 +0.9
MMAI	Mount Meron Ar	85.15	305	P	P	07 03 22.6 -0.1
SHPR	Sheep Range	85.15	51	eP	P	07 03 23.7 +1.0
TUQ	Turquoise Moun	85.18	52	P	P	07 03 23.6 +0.7
HEC	Hector Ludlow	85.21	53	P	P	07 03 23.5 +0.6
NIE	Niedzica	85.21	325	eP	P	07 03 22.5 -0.1
NIE	Niedzica	85.21	325	eP	P	07 03 22.5 -0.1
MURC	Murieta	85.23	54	P	P	07 03 23.3 +0.3
BW06	Boulder Array	85.34	43	eP	P	07 03 24.0 +0.4
BW06	Boulder Array	85.34	43	P	P	07 03 23.8 +0.1
PD31	Pinedale Array	85.34	43	eP	P	07 03 24.0 +0.4
PDAR	Pinedale Array	85.34	43	eP	P	07 03 24.2 +0.5
PDAR	Pinedale Array	85.34	43	eP	P	07 06 49.6 -0.9
PDAR	Pinedale Array	85.34	43	eP	P	07 03 23.5 -0.1
PDAR	Pinedale Array	85.34	43	eP	P	07 06 49.6 -0.9
NLU	North Lily Min	85.34	47	eP	P	07 03 24.5 +0.9
ARR	Arges	85.36	320	iP	P	07 03 24.0 +0.6
DRGR	Driggs	85.57	322	iP	P	07 03 24.0 -0.4
DRGR	Driggs	85.57	322	P	P	07 03 24.0 -0.4
MPU	Maple Canyon	85.57	47	eP	P	07 03 25.7 +0.9
109C	Camp Elliot, M	85.66	55	P	P	07 03 25.4 +0.4
GMRC	Granite Mounta	85.71	53	P	P	07 03 26.2 +0.8
FRD	Ford Ranch, An	85.71	54	P	P	07 03 26.0 +0.6
PFO	Pinyon Flats O	85.75	54	P	P	07 03 26.3 +0.7
PFO	Pinyon Flats O	85.75	54	eP	P	07 03 26.3 +0.7
PFO	Pinyon Flats O	85.75	54	P	P	07 03 26.1 +0.5
XPFO	Pison Flat	85.75	54	eP	P	07 03 26.3 +0.6
TPFO	Pinon Flats	85.76	54	P	P	07 03 26.1 +0.5
CCUT	Cedar City	85.81	49	eP	P	07 03 26.4 +0.4
BELC	Belle Mtn, Jos	85.88	54	P	P	07 03 26.5 +0.3
LDFC	Landfair	85.94	52	eP	P	07 03 27.0 +0.6
SZCU	Shurtz Canyon	85.97	49	eP	P	07 03 27.0 +0.3
OKC	Ostrava-Krasne	86.02	326	eP	P	07 03 26.9 +0.5
OKC	Ostrava-Krasne	86.02	326	eP	P	07 03 26.9 +0.5
MSU	Marysvalde	86.07	48	eP	P	07 03 28.8 +1.6
BAR	Barre	86.08	55	eP	P	07 03 27.7 +0.6
MONP2	Monument Peak	86.15	55	P	P	07 03 28.2 +0.6
LCMT	Little Creek M	86.18	50	eP	P	07 03 28.2 +0.8
KSP	Ksiaz	86.25	328	eP	P	07 03 27.4 -0.3
KSP	Ksiaz	86.25	328	eP	P	07 03 27.2 -0.3
MTPU	Mount Pierson	86.32	48	eP	P	07 03 30.1 +1.5
MORC	Moravsky Berou	86.36	326	iP	P	07 03 27.4 -0.6
MORC	Moravsky Berou	86.36	326	eP	P	07 03 27.2 -0.9
MORC	Moravsky Berou	86.36	326	eP	P	07 03 27.2 -0.9
MORC	Moravsky Berou	86.36	326	eP	P	07 03 27.5 -0.6
PSZ	Piszkesteto	86.37	324	iP	P	07 03 28.7 +0.5
PSZ	Piszkesteto	86.37	324	iP	P	07 03 28.4 +0.2
PSZ	Piszkesteto	86.37	324	eP	P	07 03 27.8 -0.4
PSZ	Piszkesteto	86.37	324	eP	P	07 03 27.8 -0.4
IRM	Iron Mountain	86.40	53	P	P	07 03 29.3 +0.8
BC3	Big Chuckawall	86.44	54	P	P	07 03 29.7 +0.9
P17A	Butcher Ranch,	86.47	47	eP	P	07 03 30.1 +1.1
IKP	In-Ko-Pah, Jac	86.50	55	P	P	07 03 30.0 +0.8
KRLC	Kraliky	86.53	327	eP	P	07 03 29.0 +0.1
KRLC	Kraliky	86.53	327	eP	P	07 03 28.9 +0.1
VYHS	Yyhne	86.55	325	eP	P	07 03 28.8 -0.1
VYHS	Yyhne	86.55	325	eP	P	07 03 28.8 -0.1
VYHS	Yyhne	86.55	325	eP	P	07 03 28.8 -0.1
VYHS	Yyhne	86.55	325	eP	P	07 03 28.9 -0.1
SWSC	Sam W. Stewart	86.57	54	P	P	07 03 29.9 +0.6
P18A	Preston Nutter	86.69	46	eP	P	07 03 31.3 +1.1
SRU	San Rafael Swe	86.81	47	eP	P	07 03 31.1 +0.5
SRU	San Rafael Swe	86.81	47	eP	P	07 03 31.1 +0.5
SRU	San Rafael Swe	86.81	47	eP	P	07 03 31.1 +0.5
JAVC	Velka Javorina	86.90	326	eP	P	07 03 31.3 +0.7

HERR	Herculane	86.90	320	iP	P	07 03 29.9 -0.8
VRAC	Vranov	87.13	326	iP	P	07 03 31.4 -0.3
VRAC	Vranov	87.13	326	eP	P	07 03 31.4 -0.3
U15A	North Rim	87.14	50	eP	P	07 03 33.3 +1.0
GLA	Glams	87.21	54	eP	P	07 03 33.5 +1.0
GLA	Glams	87.21	54	P	P	07 03 33.4 +1.0
K22A	Casper	87.22	42	eP	P	07 03 33.0 +0.5
K22A	Casper	87.22	42	eP	P	07 03 32.8 +0.3
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 03 31.7 -0.8
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 07 07.4
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 03 31.7 -0.8
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 07 07.4
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 03 31.7 -0.8
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 07 07.4
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 03 31.7 -0.8
BRG	Bergjesshuhel	87.32	329	iPKP	P	07 07 07.4
MDVR	Moldovita	87.36	321	iP	P	07 03 32.2 -0.7
RWWY	Rawlins	87.39	43	eP	P	07 03 33.9 +0.5
KRUC	Moravsky	87.39	326	eP	P	07 03 32.4 -0.5
MODS	Modra-Piesok	87.41	325	eP	P	07 03 33.3 +0.3
MODS	Modra-Piesok	87.41	325	eP	P	07 03 33.3 +0.3
MODS	Modra-Piesok	87.41	325	eP	P	07 03 33.3 +0.3
CLL	Colim	87.45	329	iP	P	07 03 31.9 -1.2
CLL	Colim	87.45	329	iP	P	07 03 31.9 -1.2
CLL	Colim	87.45	329	iP	P	07 03 31.9 -1.2
PRU	Pruhonice	87.65	328	eP	P	07 03 33.4 -0.7
PRU	Pruhonice	87.65	328	eP	P	07 03 33.4 -0.7
O20A	White River Ci	87.67	45	eP	P	07 03 35.1 +0.5
O20A	White River Ci	87.67	45	eP	P	07 03 35.1 +0.5
MDND	Maddock	87.76	35	eP	P	07 03 35.5 +0.8
MDND	Maddock	87.76	35	eP	P	07 03 35.3 +0.7
RSSD	Black Hills	87.77	40	eP	P	07 03 35.4 +0.3
RSSD	Black Hills	87.77	40	eP	P	07 03 35.4 +0.3
RSSD	Black Hills	87.77	40	eP	P	07 03 35.4 +0.3
RSSD	Black Hills	87.77	40	eP	P	07 03 35.3 +0.3
RSSD	Black Hills	87.77	40	eP	P	07 03 35.4 +0.1
RSSD	Black Hills	87.77	40	eP	P	07 03 35.2 -0.1
VTS	Vitosha	87.84	318	iP	P	07 03 35.2 -0.1
VTS	Vitosha	87.84	318	iP	P	07 03 35.2 -0.1
VTS	Vitosha	87.84	318	iP	P	07 03 35.2 -0.1
ULM	Lac du Bonnet	87.94	32	eP	P	07 03 35.0 -0.4
ULM	Lac du Bonnet	87.94	32	eP	P	07 03 35.4 0.0
ULM	Lac du Bonnet	87.94	32	eP	P	07 03 35.4 0.0
ULM	Lac du Bonnet	87.94	32	eP	P	07 03 35.4 0.0
Y14A	Wickenburg	88.01	52	eP	P	07 03 37.0 +0.8
PV09	Paradox Valley	88.05	47	eP	P	07 03 37.8 +1.2
113A	Mohawk Valley,	88.11	54	eP	P	07 03 37.4 +0.8
PV21	Cone Mtn., Par	88.12	47	eP	P	07 03 37.6 +0.8
MORH	M'ri'gy, Hung	88.12	323	ex	P	07 03 35.6 -0.7
PV23	Carpenter Ridg	88.16	47	eP	P	07 03 37.9 +0.8
PV10	Paradox Valley	88.18	47	eP	P	07 03 38.0 +0.9
PV14	Lio Creek, Pa	88.19	47	eP	P	07 03 37.1 0.0
PV20	West Nyswonger	88.25	47	eP	P	07 03 38.3 +0.9
PV22	Blue Mesa, Pa	88.25	47	eP	P	07 03 38.1 +0.8
PV19	Morning Glory	88.26	47	eP	P	07 03 37.9 +0.4
WUAZ	Wupatki	88.26	50	eP	P	07 03 38.0 +0.6
WUAZ	Wupatki	88.26	50	eP	P	07 03 38.4 +0.9
PV17	East Wray Mesa	88.29	47	eP	P	07 03 38.2 +0.7
PV16	Nyswonger Mesa	88.30	47	eP	P	07 03 38.4 +0.8
PV05	Paradox Valley	88.31	47	eP	P	07 03 38.5 +0.8
PV11	David Mesa, Pa	88.33	47	eP	P	07 03 38.0 +0.2
PV18	Skein Mesa, Pa	88.34	47	eP	P	07 03 38.7 +0.8
PV12	Saucer Basin,	88.37	47	eP	P	07 03 38.7 +0.7
PV03	Paradox Valley	88.37	47	eP	P	07 03 38.5 +0.6
CONA	Conrad Observatory	88.42	326	iPKP	P	07 03 37.8 0.0
PV13	Radium Mtn., P	88.45	47	eP	P	07 03 39.0 +0.6
NKC	Novy Kostel	88.45	329	eP	P	07 03 37.8 0.0
NKC	Novy Kostel	88.45	329	eP	P	07 03 37.8 0.0
PV02	Paradox Valley	88.47	47	eP	P	07 03 39.1 +0.6
MOX	Moxa	88.54	30	P	P	07 03 39.4 +1.2
PV01	Paradox Valley	88.62	47	eP	P	07 03 39.8 +0.6
N23A	Red Feather La	88.63	43	eP	P	07 03 40.5 +1.3
N23A	Red Feather La	88.63	43	eP	P	07 03 40.3 +1.1
PHWY	Pilot Hill	88.67	43	eP	P	07 03 40.2 +0.8
KHC	Kasperske Hory	88.70	328	eP	P	07 03 38.7 -0.3
KHC	Kasperske Hory	88.70	328	eP	P	07 07 16.5
KHC	Kasperske Hory	88.70	328	eP	P	07 03 38.4 -0.6
KHC	Kasperske Hory	88.70	328	eP	P	07 03 38.4 -0.6
X16A	Lo Mia Camp, P	88.83	51	eP	P	07 03 41.2 +1.0
GE2C	GERESS Array S	88.84	327	eP	P	07 03 39.0 -0.8
GE2C	GERESS Array S	88.84	327	eP	P	07 03 39.0 -0.8
GERES	GERESS Array S	88.84	327	P	P	07 03 38.9 -0.8
GERES	GERESS Array S	88.84	327	P	P	07 07 17.0 -0.7
GEAO	GERESS Array S	88.85	327	eP	P	07 03 38.8 -1.0
SMCO	Snowmass	89.02	45	eP	P	07 03 42.3 +1.1
ARSA	Arzberg	89.04	325	iPKP	P	07 03 40.2 -0.5
A33A	Waroad	89.08	32	P	P	07 03 40.6 -0.1
MVCO	Mesa Verde	89.20				

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include PCI Palu, APSI Ampama, MPSI Mapaga, etc.

MEX 18 07:52:25.8-0.6, 18°46'N-101°48'W, h61km, 39km, MD3.9, Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include ZIIG Zihuatanejo, ARIG Puente Sto Nin, etc.

IDC 18 07:52:26.5-1.2, 0.24S-121°04E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/5, mbtmp3.6/4, Error ellipse: s-maj=213.9km s-min=21.0km az=61.0

ISCJB 18 07:52:30.1-0.7, 1.29S-0°07'120.1E-0.1, h33km, mb3.6/4, Error ellipse: s-maj=16.5km s-min=9.8km az=5.3

DJA 18 07:52:30.7-0.4, 1.54S-112°06E, h10km, M3.9/7, MLV3.9/7

ISC 18 07:52:31.9-1.1, 1.25S-106°120.1E-0.1, h35km, n11, z=201/10, mb3.8/4, Sulawesi

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include APSI Ampama, MPSI Mapaga, TTSI Tana Toraja, etc.

IDC 18 08:27:10.8-3.7, 15°47'S-173°20'W, h0km, mb3.3/3, mb1 3.7/4, mb1mx3.5/2, mbtmp3.4/4, ML3.8/1, MS2.2/1, Ms1 2.2/1, ms1mx2.1/0, Error ellipse: s-maj=232.7km s-min=22.4km az=146.0, Tonga Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include AFI Afiamou, AFI 50nm, WRA Warramunga Arr, etc.

ISCJB 18 08:37:14.2-0.4, 43°35'S-0°03'-175°48'E-0.05, h33km, mb4.0/7, MS3.1/1, Error ellipse: s-maj=5.9km s-min=2.6km az=40.6

IDC 18 08:37:14.9-1.2, 43°10'S-175°10'E, h0km, mb4.0/5, mb1 4.2/7, mb1mx3.9/4, mbtmp4.1/7, ML4.1/2, MS3.1/2, Ms1 3.1/2, ms1mx2.8/40, Error ellipse: s-maj=32.8km s-min=20.5km az=75.0

NEIC 18 08:37:18.3-0.0, 43°23'S-175°15'E, h33km, mb4.3/5, MW4.3, ML4.7(WEL), Moment Tensor Solution. s31

Moment tensor: Scale 10^19 Nm; Min-0.22; Mm2.96; Dip-2.74; Me-0.15; Mw-0.04; Mw-0.05; Best double couple: M3.00000-10^15; NP1=226.00000; 876.00000; -1.170.00000; NP2=133.00000; 880.00000; -1.14.00000; Principal axes: T 2.9700, P1g3.0000, Azm180.0000; N 0.0300, P1g73.0000; Azm279.0000; P -3.0000, P1g17.0000; Azm89.0000; After WEL

ISC 18 08:37:18.7-0.7, 43°23'S-0°04'-175°26'E-0.04, h35km, n146, z=184/150, mb4.2/7, Off east coast of South Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include KHZ Kahutara, KHZ KHZ, PLWZ Palliser, etc.

ISC 18 08:37:18.7-0.7, 43°23'S-0°04'-175°26'E-0.04, h35km, n146, z=184/150, mb4.2/7, Off east coast of South Island

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include PRWZ Pori Road, POWZ Post Office Ro, DSJ Denniston Nort, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include ABAY Army Bay, PYZ Puysegur Point, WCZ Waipoua Caves, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include ASAR Alice Springs, PPT2 Papeete2, PPT2 Papeete2, etc.

IDC 18 08:51:01.1-3.1, 8°03'S-111°66'E, h0km, mb3.5/4, mb1 3.6/5, mb1mx3.4/6, mbtmp3.5/5, ML3.5/1, Error ellipse: s-maj=189.1km s-min=21.7km az=48.0

ISCJB 18 08:51:13.2-0.8, 8°7'S-0°1'-111°43'E-0.07, h150km, mb3.8/4, Error ellipse: s-maj=19.2km s-min=8.5km az=16.1

DJA 18 08:51:15.8-0.7, 9°S-13°11'E, h114km, 10km, M3.7/10, MLV3.7/10

ISC 18 08:51:14.4-1.0, 8°7'S-0°1'-111°45'E-0.06, h150km, n17, z=333/15, mb3.4/4, Jawa

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include PCJL Pacitan, PWJl Pagerwojo, UGM Wanagama, etc.

ISCJB 18 08:56:37.8-0.6, 17°5'S-0°2'-178°9'W-0.1, h539km, mb3.7/11, Error ellipse: s-maj=22.6km s-min=11.3km az=148.2

IDC 18 08:56:38.4-1.8, 17°47'S-178°00'W, h535km, 22km, mb3.9/11, mb1 3.8/13, mb1mx3.2/5, mbtmp4.3/13, Error ellipse: s-maj=24.2km s-min=12.5km az=150.0

ISC 18 08:56:38.5-0.7, 17°55'-0°2'-178°9'W-0.1, h539km, n27, z=1505/28, mb3.6/11, 1C-DJ, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include AFI Afiamou, DFM Mont Dzumac, URZ Urewera, etc.

ISC 18 08:56:38.5-0.7, 17°55'-0°2'-178°9'W-0.1, h539km, n27, z=1505/28, mb3.6/11, 1C-DJ, Fiji Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Rows include BRG Bergliesshuetl, MMAI Mount Meron Ar, GERS GERSSE Array B, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for various stations like 056A, KSPA, W50A, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for stations like AAK, AAK, EKS2, TKM2, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details for stations like CIRR, CIRR, KOZ, etc.

MEX 18 09:01:44.1±1.1, 147.70N:92.59W, h95km, 13km, MD3.7, Near coast of Chiapas

IDC 18 09:18:56.8, 0.5, 51.44N: 161.11E, h0km, mb4.2/39, m1 4.4/41, mb1 1mX3.79, mbtmp4.2/41, M4.1/2, MS2.8/6, M51 2.8/6, ms1mx2.6/7.7, Error ellipse: s-maj=13.5km s-min=10.0km az=158.0

USRK 18 09:19:02.4±0.2, 51.47N: 161.02E, h33km, mb4.4/43, Error ellipse: s-maj=5.4km s-min=3.0km az=165.0

KRSC 18 09:01:48.4±2.1, 49.95N:157.01E, h100km, 28km, ML3.9, East of Kuril Islands

IS 18 09:18:59.1±2.7, 51.40N:0.05E, 161.22E, 0.04, h17km, 16km, n256, k136/k287, mb4.4/100, 2C-1D, Off east coast of Kamchatka Peninsula

Code Station Name Azimuth Elevation Phase ID Time Res h m s ISC

KRNET 18 09:08:52.2±0.1, 39.71N:75.44E, mb3.3, NNC 18 09:08:55.9±2.5, 40.00N:75.36E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=23.4km s-min=10.2km az=151.0

IS 18 09:08:53.7±1.2, 39.63N:0.09E, 75.33E, 0.04, h16km, 12km, n29, c110/44, 24C-13D, Southern Xinjiang

Code Station Name Azimuth Elevation Phase ID Time Res h m s ISC

18d 9h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WMQ, SPITS, KURK, KURKB, MKAR, etc.

2012 AUG

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WMOK, HDIL, R40A, AKASG, KIEV, etc.

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

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like RAYN Ar Rayn, DAMY Dhamar, MAW Mawson, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KIP Kipapa, HON Honolulu, OPANA Opana, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ANN ANN, ANDN Andrin, YAYL Yayladag, etc.

SNAAs	Sanae	98.62 196	eP	P	09 55 31.1	-0.2
SNAAs	Sanae	98.62 196	eP	P	10 12 01.5	-1.7
SNAAs	Sanae	98.62 196	eP	P	09 55 31.1	-0.2
OKC	Ostrava-Krasne	98.76 320	ePDIFF	P	09 55 28.5	-3.8
OKC	Ostrava-Krasne	98.76 320	eP	P	09 59 41.9	+8.3
OKC	Ostrava-Krasne	98.76 320	eP	P	10 07 00.8	+0.5
OKC	Ostrava-Krasne	98.76 320	eP	P	10 45 50.0	
OKC	Ostrava-Krasne	98.76 320	eP	P	09 55 28.5	-3.8
OKC	Ostrava-Krasne	98.76 320	eP	P	09 59 41.9	+8.3
OKC	Ostrava-Krasne	98.76 320	eP	P	10 07 00.8	+0.5
OKC	Ostrava-Krasne	98.76 320	eP	P	10 45 50.0	
PDG	Podgorica	98.94 313	iPP	Pdif	09 55 37.5	+4.2
TTG	Podgorica	98.94 313	iPP	Pdif	09 55 40.0	+6.7
BESE	Bessie Mountai	98.96 31	PFAKE	LR	09 55 40.0	+6.9
SIT	Sitka	99.02 32	PFAKE	LR	09 55 40.0	+6.7
MORC	Moravsky Berou	99.15 320	eP	Pdif	09 55 38.5	+4.3
MORC	Moravsky Berou	99.15 320	ePDIFF	Pdif	09 55 35.9	+1.7
MORC	Moravsky Berou	99.15 320	eP	P	09 59 31.4	-5.3
MORC	Moravsky Berou	99.15 320	eP	P	10 07 02.7	-1.1
JAVC	Velka Javorina	99.21 319	eS	Pdif	09 55 37.0	+2.6
JIS	Juneau Island	99.26 31	PFAKE	LR	10 07 04.3	0.0
HFS	Hagfors	99.31 331	P	Pdif	09 55 33.0	-1.5
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	09 59 45.5	+5.8
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	10 06 16.2	+2.7
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	10 07 07.9	+0.5
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	10 08 35.2	+1.2
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	10 28 12.4	
TAOE	Nuku Hiva Isla	99.40 99	eP	PP	09 55 50.0	+1.4
MODS	Mocra-Piesok	99.54 319	eSS	SS	10 14 03.3	+5.7
KSP	Ksiaz	99.77 321	eP	Pdif	09 55 37.4	+0.6
KSP	Ksiaz	99.77 321	eP	Pdif	10 07 04.6	-4.2
KSP	Ksiaz	99.77 321	eP	Pdif	10 14 00.6	0.0
KSP	Ksiaz	99.77 321	eP	Pdif	09 55 37.4	+0.6
KSP	Ksiaz	99.77 321	eP	Pdif	10 07 04.6	-4.2
KSP	Ksiaz	99.77 321	eP	Pdif	10 14 00.6	0.0
DPC	Dobruska-Polom	99.84 321	ePDIFF	Pdif	09 55 38.3	+1.1
DPC	Dobruska-Polom	99.84 321	eP	P	09 59 51.0	+9.1
DPC	Dobruska-Polom	99.84 321	eP	P	10 07 08.8	-0.8
DPC	Dobruska-Polom	99.84 321	eP	P	10 45 50.0	
DPC	Dobruska-Polom	99.84 321	eP	P	09 55 38.3	+1.1
DPC	Dobruska-Polom	99.84 321	eP	P	10 07 08.8	-0.8
VRAC	Vranov	99.84 320	ePDIFF	Pdif	09 55 39.0	+1.8
VRAC	Vranov	99.84 320	eP	P	09 59 35.7	-6.2
VRAC	Vranov	99.84 320	eP	P	10 07 10.0	+0.5
KRUC	Moravsky	100.01 320	ePDIFF	Pdif	09 55 39.4	+1.7
KRUC	Moravsky	100.01 320	eP	P	09 59 36.5	+6.6
BLY	Banja Luka	100.14 315	PFAKE	LR	09 55 50.0	+1.1
NB2	NORSAR Subarra	100.26 332	P	Pdif	09 55 35.6	-3.2
NB2	NORSAR Subarra	100.26 332	P	Pdif	09 55 35.6	-3.2
NOA	NORSAR Array B	100.26 332	P	Pdif	09 55 35.8	-3.1
NOA	NORSAR Array B	100.26 332	P	Pdif	09 59 43.3	-1.4
CRAIG	Craig	100.76 34	PFAKE	LR	09 55 50.0	+1.0
VNA3	Neumayer Olymp	100.65 195	P	Pdif	09 55 37.3	-3.1
VNA1	Neumayer-Stat	100.65 195	P	Pdif	09 55 38.3	-2.0
WRAK	Wrangell Islan	100.77 33	PFAKE	LR	09 55 50.0	+8.9
GOPC	GO Pecny, Ondr	100.89 321	ePDIFF	Pdif	09 55 39.0	-2.8
GOPC	GO Pecny, Ondr	100.89 321	eP	P	10 07 18.4	
GOPC	GO Pecny, Ondr	100.89 321	eP	P	10 53 00.0	
GOPC	GO Pecny, Ondr	100.89 321	eP	P	09 55 39.0	-2.8
GOPC	GO Pecny, Ondr	100.89 321	eP	P	10 07 18.4	+0.1
ARSA	Arzberg	100.89 318	ePKIKP	PKIKP	10 00 04.3	-3.2
PVCC	Panska Ves	100.91 321	eP	P	10 14 04.0	-1.2
PRU	Pruhonice	101.03 321	ePDIFF	Pdif	09 55 38.3	-4.1
PRU	Pruhonice	101.03 321	eP	P	10 07 20.0	
PRU	Pruhonice	101.03 321	eP	P	10 14 16.1	-2.1
PRU	Pruhonice	101.03 321	eP	P	10 18 13.0	
PRU	Pruhonice	101.03 321	eP	P	10 47 00.0	
PRU	Pruhonice	101.03 321	eP	P	09 55 38.3	-4.1
PRU	Pruhonice	101.03 321	eP	P	10 07 20.0	+0.6
PRU	Pruhonice	101.03 321	eP	P	10 14 16.1	-2.1
PRU	Pruhonice	101.03 321	eP	P	10 18 13.0	
PRA	Prague	101.08 321	eSDIF	Sdif	10 07 20.5	+0.7
TIP	Timpagrande	101.21 310	PFAKE	LR	10 14 24.7	+5.8
BRG	Berggiesshubel	101.23 322	ePDIFF	Pdif	09 55 43.9	+0.5
BRG	Berggiesshubel	101.23 322	eP	P	09 55 43.8	+0.5
TSUM	Tsumeb	101.39 250	PFAKE	LR	09 56 00.0	+1.5
KONO	Kongsberg	101.43 331	PFAKE	LR	09 56 00.0	+1.6
DLBC	Dease Lake	101.45 30	PFAKE	LR	09 56 00.0	+1.6
DIB	Dawson Inlet	101.45 36	PFAKE	LR	09 56 00.0	+1.6
MOA	Moln	101.62 319	ePKIKP	PKIKP	10 00 07.0	-1.8
OBKA	Obir	101.68 317	iPP	PP	09 59 56.6	+0.6
COLL	Colim	101.71 322	PFAKE	LR	09 56 00.0	+1.5
COLL	Colim	101.71 322	e(Pdif)	Pdif	09 55 49.0	+3.6
COLL	Colim	101.71 322	eP	P	09 59 57.0	+1.1
COLL	Colim	101.71 322	eP	P	10 00 33.0	
COLL	Colim	101.71 322	eP	P	10 01 36.0	
COLL	Colim	101.71 322	eP	P	10 02 06.0	
COLL	Colim	101.71 322	eP	P	10 04 24.0	
COLL	Colim	101.71 322	eP	P	10 06 12.0	-1.1
COLL	Colim	101.71 322	eP	P	10 07 26.0	+1.0

CLL	CLL	101.71 322	eP	Pdif	09 55 49.0	+3.6
CLL	CLL	101.71 322	eP	P	09 59 57.0	+1.1
CLL	CLL	101.71 322	eP	P	10 00 33.0	
CLL	CLL	101.71 322	eP	P	10 01 36.0	
CLL	CLL	101.71 322	eP	P	10 02 06.0	
CLL	CLL	101.71 322	eP	P	10 04 24.0	
CLL	CLL	101.71 322	eP	P	10 06 12.0	-1.1
CLL	CLL	101.71 322	eP	P	10 07 26.0	+1.0
CLL	CLL	101.71 322	eP	P	10 00 33.0	
CLL	CLL	101.71 322	eP	P	10 01 36.0	
CLL	CLL	101.71 322	eP	P	10 02 06.0	
CLL	CLL	101.71 322	eP	P	10 04 24.0	
CLL	CLL	101.71 322	eP	P	10 06 12.0	-1.1
CLL	CLL	101.71 322	eP	P	10 07 26.0	+1.0
CLL	CLL	101.71 322	eP	P	10 00 33.0	
CLL	CLL	101.71 322	eP	P	10 01 36.0	
CLL	CLL	101.71 322	eP	P	10 02 06.0	
CLL	CLL	101.71 322	eP	P	10 04 24.0	
CLL	CLL	101.71 322	eP	P	10 06 12.0	-1.1
CLL	CLL	101.71 322	eP	P	10 07 26.0	+1.0
CLL	CLL	101.71 322	eP	P	10 00 33.0	
CLL	CLL	101.71 322	eP	P	10 01 36.0	
CLL	CLL	101.71 322	eP	P	10 02 06.0	
CLL	CLL	101.71 322	eP	P	10 04 24.0	
CLL	CLL	101.71 322	eP	P	10 06 12.0	-1.1
CLL	CLL	101.71 322	eP	P	10 07 26.0	+1.0

B06A	Corvallis	109.63 43	PFAKE	LR	10 00 40.0	
D05A	Enunclaw	109.64 40	PFAKE	LR	10 00 40.0	
KBO	Bosley Butte	109.70 45	PFAKE	LR	10 00 40.0	
LON	Longmire	109.90 40	PFAKE	LR	10 00 40.0	
JCC	Jacob Creek	110.24 47	PFAKE	LR	10 00 40.0	
H04A	Detroit Lake	110.35 42	PFAKE	LR	10 00 40.0	
KHMM	Horse Mountain	110.44 47	PFAKE	LR	10 00 40.0	
LTY	Liberty	110.45 39	PFAKE	LR	10 00 40.0	
HUMO	Hull Mountain	110.48 45	PFAKE	LR	10 00 40.0	
MAHO	Mahon	110.52 312	Pdif	SKS	09 56 26.9	+2.1
KMRM	Mali Ridge	110.65 47	PFAKE	LR	10 00 40.0	
B08A	Colville Reser	110.87 38	PFAKE	LR	10 00 40.0	
BORG	Borgarnes	110.89 343	PFAKE	LR	10 00 40.0	
KCPM	Cahto Peak	110.89 48	PFAKE	LR	10 00 40.0	
YBH	Yreka Blue Hor	110.92 45	PFAKE	LR	10 00 40.0	
E07A	Sunnyside	111.23 40	PFAKE	LR	10 00 40.0	
WDC	Whiskeytown Da	111.39 47	PFAKE	LR	10 00 40.0	
F07A	Phinny Hill Vi	111.42 41	PFAKE	LR	10 00 40.0	
HOPS	Hopland Field	111.47 48	PFAKE	LR	10 00 40.0	
PINE	Pine Mountain	111.49 43	PFAKE	LR	10 00 40.0	
HAWA	Hanford	111.50 40	PFAKE	LR	10 00 40.0	
D08A	Wollman Farm,	111.63 39	PFAKE	LR	10 00 40.0	
GDXM	Geysers	111.73 48	PFAKE	LR	10 00 40.0	
E08A	Dider Farm, El	111.76 40	PFAKE	LR	10 00 40.0	
MCCM	Marconi Confer	111.85 49	PFAKE	LR	10 00 40.0	
K05A	Summer Lake	111.89 44	PFAKE	LR	10 00 40.0	
ILULI	Ilulissat	112.00 357	PFAKE	LR	10 00 40.0	
DSB	Dublin	112.09 329	PFAKE	LR	10 00 40.0	
NEW	Newport	112.26 37	PFAKE	LR	10 00 40.0	
G08A	Pilot Rock	112.28 41	PFAKE	LR	10 00 40.0	
E09A	Wood Farm, Sta	112.33 39	PFAKE	LR	10 00 40.0	
ORV	Oroville	112.47 47	PFAKE	LR	10 00 40.0	
MOD	Modoc Plateau	112.57 45	ePKPdif	PKIKP	10 00 31.3	+1.8
AFDM	Forest Hills D	113.04 48	PFAKE	LR	10 00 40.0	
F10A	Beach Ranch, E	113.13 40	PFAKE	LR	10 00 40.0	
TAM	Tamanrasset	113.15 294	PFAKE	LR	10 00 40.0	
BEKR	Beckworth	113.20 47	PFAKE	LR	10 00 40.0	
J08A	Circle Bar Ran	113.32 43	PFAKE	LR	10 00 40.0	
SAO	San Andreas Ge	113.33 50	PFAKE	LR	10 00 40.0	
BMO	Blue Mountains	113.53 41	PFAKE	LR	10 00 40.0	
WVOR	Wild Horse Val	113.55 44	PFAKE	LR	10 00 40.0	
RUBR	Rubicon Trail	113.61 48	PFAKE	LR	10 00 40.0	
CMB	Columbia Colle	113.76 49	PFAKE	LR	10 00 40.0	
WALA	Waterton Lakes	113.82 36	PFAKE	LR	10 00 40.0	
VCNR	Virginia City	113.91 47	PFAKE	LR	10 00 40.0	
ANGG	Ammassalik, Gr	113.92 350	PFAKE	LR	10 00 40.0	
PMSA	Palmer Station	113.96 178	PFAKE	LR	10 00 40.0	
PAHR	Pah Rah Range	113.97 47	PFAKE	LR	10 00 40.0	
PMPB	Monarch Peak	113.99 51	PFAKE	LR	10 00 40.0	
PNTR	Pine Nut	114.01 47	PFAKE	LR	10 00 40.0	+7.6
SFJD	Kangerlussuaq	114.16 356	PFAKE	LR	10 00 40.0	+8.5
JTMT	Jette	114.20 37	PFAKE	LR	10 00 40.0	+7.6
YERR	Yerington	114.31 47	PFAKE	LR	10 00 40.0	+7.0
WAKR	Walker	114.32 48	PFAKE	LR	10 00 40.0	+7.0
PAGB	Antelope Grade	114.56 51	PFAKE	LR	10 00 50.0	+1.7

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like VAL Valentia, MSO Missoula, MDPB Devils Postpil, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TOA1, TOA3, TOB3, TOB4, TOB5, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like W13A, MTPU, PMTG, EVO, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CCAR Cane Creek, ACSO Alum Creek Sta, GGN Saint George, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like 346A Cleveland, W51A Fort Payne, Y49A Blount Mountain, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like 456A Farelloes, FCH Peldehue, ROCC El Roble, etc.

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

IDC 18 09:51:00.3:0.9, 0.97S: 120.81E, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.7/62, mbtmp3.9/7, Error ellipse: s-maj=66.0km s-min=17.2km az=69.0

DJA 18 09:51:06.2:1.3, 1'S:10.12'E:1.3, h10km, M5.0/6, MLv5.0/6

ISC 18 09:51:01.9:0.8, 0.96S:120.67E:0.09, h10km, n14, s154/11, mb3.8/7, Minahassa Peninsula, Sulawesi

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

IDC 18 09:51:14.7:0.7, 1.18S: 120.49E, h0km, mb4.3/15, mb1 4.4/16, mb1mx4.1/64, mbtmp4.3/16, ML4.3/1, Error ellipse: s-maj=35.1km s-min=14.3km az=62.0

ISCJCB 18 09:51:20.1:0.5, 1.25S:0.07X:120.36E:0.10, h49km, mb4.2/17, Error ellipse: s-maj=14.6km s-min=8.8km az=155.7

ISC 18 09:51:21.7:0.6, 1.25S:0.07X:120.28E:0.08, h49km, n24, s160/24, mb4.2/17, Sulawesi

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

IDC 18 09:52:25.4:1.1, 0.70S:121.17E, h0km, mb4.2/5, mb1 4.3/7, mb1mx3.8/61, mbtmp4.2/5, Error ellipse: s-maj=309.5km s-min=19.6km az=61.0, Minahassa Peninsula, Sulawesi

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

IDC 18 09:58:04.9:0.7, 1.35S: 120.06E, h0km, mb4.2/16, mb1 4.3/17, mb1mx3.4/61, mbtmp4.2/17, ML3.2/1, Error ellipse: s-maj=34.0km s-min=15.8km az=59.0

ISCJCB 18 09:58:05.8:0.3, 1.30S:0.04X:120.02E:0.05, h10km, mb4.2/19, Error ellipse: s-maj=7.0km s-min=5.5km az=145.7

DJA 18 09:58:08.3:0.2, 1.1'S:2.12'E:1.1, h10km, M4.9/17, mb4.9/6, MLv5.0/17

BUI 18 09:58:10.0, 1.10S:119.90E, h20km, mb4.5/9

ISC 18 09:58:07.4:0.5, 1.35S:0.05X:119.99E:0.05, h10km, n49, s196/47, mb4.3/19, Sulawesi

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

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

IDC 18 10:03:33.5:2.0, 0.67N: 123.52E, h0km, mb3.4/4, mb1 3.5/4, mb1mx3.3/58, mbtmp3.4/4, Error ellipse: s-maj=425.2km s-min=23.4km az=63.0

ISCJCB 18 10:03:37.0:0.6, 1.15S:0.06X:120.04E:0.08, h28km, mb3.3/4, Error ellipse: s-maj=11.1km s-min=8.8km az=176.9

DJA 18 10:03:36.9:0.3, 1'S:10.31'E:1.0E:3.1, h10km, M4.2/8, MLv4.2/8

ISC 18 10:03:38.0:0.9, 1.10S:0.05X:120.03E:0.06, h28km, n15, s211/14, mb3.3/4, Sulawesi

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

IDC 18 10:04:19.8:1.2, 0.40S:121.69E, h0km, mb3.6/4, mb1 3.7/4, mb1mx3.5/58, mbtmp3.6/4, Error ellipse: s-maj=184.3km s-min=21.0km az=61.0, Minahassa Peninsula, Sulawesi

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

IDC 18 10:16:41.4:6.2, 50.62N:86.67E, h0km, mb3.5, mpv3.1, 5C-7D, Error ellipse: s-maj=47.8km s-min=26.5km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31, MK32, MK33, etc.

IDC 18 10:16:41.4:6.2, 50.62N:86.67E, h0km, mb3.5, mpv3.1, 5C-7D, Error ellipse: s-maj=47.8km s-min=26.5km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31, MK32, MK33, etc.

DJA 18 10:20:14.8:0.6, 1'S:4.12'E:1.1, h10km, M3.7/7, MLv3.7/7, Sulawesi

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

ISCJCB 18 10:20:38.4:0.3, 4.573N:0.02:26.53E:0.02, h110km, 2km, mb3.6/3, Error ellipse: s-maj=2.6km s-min=2.6km az=162.4

SIGU 18 10:20:38.4:1.2, 4.573N:0.9:2.7E:1.1, h112km, 1km, mb3.4/10

BEO 18 10:20:38.0:1.4, 4.5:64N:26.87E, h70km, ML3.5/11

IDC 18 10:20:38.0:1.8, 4.6:02N:26.06E, h92km, 7km, mb3.3/3, mb1 3.2/6, mb1mx2.9/66, mbtmp3.6/6, Error ellipse: s-maj=36.6km s-min=12.4km az=113.0

BUC 18 10:20:39.8:0.3, 4.5:74N:26.54E, h102km, 9km, MD4.0/7, Error ellipse: s-maj=3.6km s-min=2.9km az=110.0

ISC 18 10:20:38.6:0.8, 4.573N:0.02:26.51E:0.02, h110km, 4km, n134, s164/199, mb3.6/3, 53C-44D, Romania

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

Table with columns: Code, Name, Date, Time, Status, Location, and various numerical values. Includes entries like FURC Furnace Creek, BC3 Big Chuckawall, MLY Manley, etc.

Table with columns: Code, Name, Date, Time, Status, Location, and various numerical values. Includes entries like D08A Wollman Farm, LCMT Little Creek M, BMO Little Creek M, etc.

Table with columns: Code, Name, Date, Time, Status, Location, and various numerical values. Includes entries like MVCO Mesa Verde, PV16 Nyswonger Mesa, PV13 Radium Mountain, etc.

K22A	Casper	92.57	47	P	P	10 36 41.7 +0.7
Q24A	Divide	92.59	51	P	P	10 36 43.8 +2.5
T25A	Trinidad	92.68	53	P	P	10 36 41.2 -0.5
PHWY	Pilot Hill	92.97	48	eP	P	10 36 41.9 -1.1
MXST	Muleshoe	93.19	56	eP	P	10 36 42.5 -1.4
MXST	Muleshoe	93.19	56	P	P	10 36 42.9 -1.1
HVS	Khovu-Aksy	93.43	322	i P	P	10 36 44.2 -0.4
LAO	LASA Array	93.86	43	eP	P	10 36 45.8 -0.9
LAO	LASA Array	93.86	43	LR	LR	
LAO	LASA Array	93.86	43	P	P	10 36 49.7 +3.1
LNIG	Linares	93.90	65	eP	P	10 36 47.4 +0.1
YKA	Yellowknife Ar	94.18	26	P	P	10 36 47.1 -0.5
AMTX	Amarillo	94.28	58	eP	P	10 36 48.5 -0.5
AMTX	Amarillo	94.28	55	P	P	10 36 49.5 +0.5
RSSD	Black Hills	94.70	46	eP	P	10 36 50.7 -0.1
RSSD	Black Hills	94.70	46	P	P	10 36 52.1 +1.3
JCT	Junction City	94.84	60	eP	P	10 36 51.3 -0.1
JCT	Junction City	94.84	60	LR	LR	
JCT	Junction City	94.84	60	P	P	10 36 50.7 -0.8
SNA	Sanae	95.00	182	P	P	10 36 50.0 -1.4
SNA	Sanae	95.00	182	P	P	10 36 49.7 -1.8
SNA	Sanae	95.00	182	eP	P	11 17 15.7
SNA	Sanae	95.00	182	eP	P	10 36 50.1 -1.4
SNA	Sanae	95.00	182	eP	P	10 36 50.1 -1.4
OGNE	Ogallala	95.39	49	PFAKE	LR	10 37 10.0 +16
ABTX	Abilene, Hawle	95.44	58	eP	P	10 36 53.2 -1.0
ABTX	Abilene, Hawle	95.44	58	P	P	10 36 55.0 +0.8
WMQ	Urumqi	95.45	314	P	P	10 36 54.5 +0.5
WMQ	Urumqi	95.45	314	pP	pP	10 37 14.3 +5.1
WMQ	Urumqi	95.45	314	pP	pP	10 37 21.8 +17
WMQ	Urumqi	95.45	314	pP	pP	
WMQ	Urumqi	95.45	314	LR	LR	
WMQ	Urumqi	95.45	314	LR	LR	
WMQ	Urumqi	95.45	314	LR	LR	
VNA3	Neumayer Olymp	95.48	179	P	P	10 36 52.1 -1.5
DGMT	Dagmar	95.48	42	PFAKE	LR	10 37 10.0 +15
KVTX	Kingsville	95.85	63	PFAKE	LR	10 37 10.0 +14
VNA1	Neumayer-Stat	96.08	180	P	P	10 36 55.2 -1.1
WMOK	Wichita Mounta	96.58	56	P	P	10 36 59.9 +0.6
WMOK	Wichita Mounta	96.58	56	P	P	10 37 10.0 +10
CBKS	Cedar Bluff	96.66	52	PFAKE	LR	10 37 10.0 +10
CBKS	Cedar Bluff	96.66	52	PFAKE	LR	10 37 10.0 +10
DGZ	Jazzart, Alta	96.94	319	i P	P	10 37 00.2 -0.6
PAYG	Puerto Ayora	96.94	92	PFAKE	LR	10 37 10.0 +8.5
FFC	Flin Flon	98.36	36	PFAKE	LR	10 37 20.0 +13
KSU1	Kansas State U	99.11	52	PFAKE	LR	10 37 20.0 +9.4
ZAA0	Zalesovo Array	99.36	323	eP	Pdf	10 37 10.1 -1.2
ZALV	Zalesovo Array	99.36	323	eP	Pdf	10 37 10.4 -0.9
ZALV	Zalesovo Array	99.36	323	eP	Pdf	11 21 46.7
ZALV	Zalesovo Array	99.36	323	eP	Pdf	10 37 10.1 -1.2
NATX	Nacogdoches	99.41	60	PFAKE	LR	10 37 20.0 +7.9
MKAR	Makanchi Array	99.77	316	P	Pdf	10 37 12.5 -0.9
MKAR	Makanchi Array	99.77	316	P	Pdf	10 53 32.9 -2.7
MKAR	Makanchi Array	99.77	316	P	Pdf	11 19 25.0
ECS	EROS Data Cent	99.87	47	PFAKE	LR	10 37 30.0 +16
NVS	Novosibirsk	100.42	324	eP	Pdf	10 37 15.6 -0.4
NVS	Novosibirsk	100.42	324	eP	Pdf	10 37 15.6 -0.4
MIAR	Mount Ida	100.77	57	PFAKE	LR	10 37 30.0 +12
EFI	East Falkland	101.79	151	PFAKE	LR	10 37 50.0 +7.7
SCIA	State Center	102.09	50	PFAKE	LR	10 37 40.0 +16
KURK	Kurchatov	102.69	319	PFAKE	LR	10 37 40.0 +14
EYMN	Ely	103.93	44	PFAKE	LR	10 37 40.0 +8.2
JFWS	Jewell Farm	104.38	49	PFAKE	LR	10 37 50.0 +16
JTS	JuntasAbangare	104.51	83	PFAKE	LR	10 37 50.0 +15
AAK	Ala-Archa	104.78	311	PFAKE	LR	10 37 50.0 +14
HDIL	Hopedale	104.88	51	PFAKE	LR	10 37 50.0 +14
NIL	Nilore	104.89	302	PFAKE	LR	10 37 50.0 +14
COWI	Conover	105.41	46	PFAKE	LR	10 42 00.0
BRAL	Brewton	105.77	67	PFAKE	LR	10 42 00.0
LCO	Las Campanas	105.88	126	PFAKE	LR	10 42 10.0
NNA	Nana	106.82	107	PFAKE	LR	10 42 10.0
TRQA	Tornquist	107.76	138	PFAKE	LR	10 42 10.0
BRVK	Borovoye	107.94	322	PFAKE	LR	10 42 10.0

HOPE	Hope Point	108.17	163	PFAKE	LR	10 42 10.0
GLMI	Graying	108.54	47	PFAKE	LR	10 42 10.0
OTAV	Otavalo	108.65	94	PFAKE	LR	10 42 10.0
GOGA	Godfrey	108.99	59	PFAKE	LR	10 42 10.0
AAM	Ann Arbor	109.21	50	PFAKE	LR	10 42 10.0
BCIP	Isla Barro Col	109.24	85	PFAKE	LR	10 42 10.0
ACSO	Alum Creek Sta	109.68	52	PFAKE	LR	10 42 10.0
BLA	Blacksburg	111.63	55	PFAKE	LR	10 42 20.0
NHSC	New Hope	111.72	60	PFAKE	LR	10 42 20.0
MTDJ	Mount Denham	112.89	76	PFAKE	LR	10 42 20.0
KBS	Kingsbay	113.85	356	PFAKE	LR	10 42 20.0
CBN	Corbin Frederi	114.04	54	PFAKE	LR	10 42 20.0 +11
ARU	Arti	114.27	326	PFAKE	LR	10 42 20.0 +12
MSEY	Mahe Island	114.86	258	PFAKE	LR	10 42 20.0 +9.1
BINY	Binghamton	114.90	50	PFAKE	LR	10 42 20.0 +10
GTBY	Guantanamo Bay	115.36	74	PFAKE	LR	10 42 20.0 +8.4
LONY	Lake Ozonia	115.69	47	PFAKE	LR	10 42 20.0 +8.4
ABPO	Ambोधipanam	117.09	240	PFAKE	LR	10 42 30.0 +15
GEYT	Alibeck	117.27	306	PKP	PKPdf	10 42 13.1 -1.8
SDV	Santo Domingo	118.11	87	PKP	PKPdf	10 42 16.6 -0.8
SDV	Santo Domingo	118.11	87	ePKPdf	PKPdf	10 42 15.8 -1.6
SCHO	Schefferville	118.47	34	PKP	PKPdf	10 42 15.5 -1.1
GRTK	Grand Turk	119.21	73	PFAKE	LR	10 42 30.0 +11
PKME	Peaks-Kenny Pk	119.31	45	PFAKE	LR	10 42 30.0 +12
SFJD	Kangerlussuaq	119.50	18	PFAKE	LR	10 42 30.0 +12
KEV	Kevo	119.72	347	PFAKE	LR	10 42 30.0 +11
POI	Presque Isle	119.90	44	ePKPdf	PKPdf	10 42 22.0 +2.4
ARCES	ARCES Array B	120.22	347	PKP	PKPdf	10 42 19.1 -0.5
SAML	Samuel	120.48	109	PFAKE	LR	10 42 30.0 +8.3
KLMR	Klimovskoe	121.74	335	ePKIP	PKPdf	10 42 20.4 -2.3
KLMR	Klimovskoe	121.74	335	ePKIP	PKPdf	10 42 20.4 -2.3
SJG	San Juan	123.65	77	PKP	PKPdf	10 42 26.6 -1.0
SJG	San Juan	123.65	77	ePKPdf	PKPdf	10 42 26.4 -1.1
HUMP	Col San Antoni	123.94	77	ePKPdf	PKPdf	10 42 27.4 -0.8
VRH	Novokhoporsky	125.38	324	ePKIP	PKPdf	10 42 29.1 -0.8
OBN	Obninsk	126.19	330	PFAKE	LR	10 42 40.0 +8.7
OBN	Obninsk	126.19	330	ePKIP	PKPdf	10 42 30.7 -0.6
PTGA	Pitinga	126.22	101	PKP	PKPdf	10 42 31.9 -0.8
PTGA	Pitinga	126.22	101	ePKPdf	PKPdf	10 42 31.5 -1.2
LPSR	Galich ya Gora	126.28	327	ePKIP	PKPdf	10 42 31.6 0.0
FIA1	FINESS Array N	126.31	341	ePKPdf	PKPdf	10 42 31.2 -0.2
FINES	FINESS Array B	126.31	341	PKP	PKPdf	10 42 31.0 -0.4
FINES	FINESS Array B	126.31	341	ePKPdf	PKPdf	10 42 33.0 +1.6
VSR	Storozhevoye	126.81	325	ePKIP	PKPdf	10 42 32.3 -0.4
VORD	Divnogorie	126.86	325	ePKIP	PKPdf	10 42 32.5 -0.3
SUR	Sutherland	126.92	210	PFAKE	LR	10 42 50.0 +16
NCK	Nalchik	127.06	315	ePKIP	PKPdf	10 42 33.8 +0.3
GNI	Garni	127.19	310	PFAKE	LR	10 42 50.0 +16
GNI	Garni	127.19	310	ePKIP	PKPdf	10 42 32.4 -1.6
GRGR	Grenville	127.35	85	PFAKE	LR	10 42 50.0 +15
KBZ	Khabaz	127.46	315	PKP	PKPdf	10 42 34.0 -0.2
KIV	Kislovodsk	127.53	316	PFAKE	LR	10 42 50.0 +16
KIV	Kislovodsk	127.53	316	ePKIP	PKPdf	10 42 33.8 -0.6
NEY	Neytrino	127.74	315	ePKIP	PKPdf	10 42 34.0 -1.0
ANWB	Wilfy Bob	127.76	78	PFAKE	LR	10 42 50.0 +15
BORG	Borgarnes	127.92	7	PFAKE	LR	10 42 50.0 +16
VSU	Vasula	128.26	338	ePKIP	PKPdf	10 42 33.2 -2.0
RAYN	Ar Rayn	128.91	289	ePKIP	PKPdf	10 42 37.5 -0.1
RAYN	Ar Rayn	128.91	289	ePKIP	PKPdf	10 42 37.5 -0.1
BBGH	Gun Hill	129.50	84	PFAKE	LR	10 42 50.0 +11
NB2	NORSAR Subarrat	130.58	348	PKP	PKPdf	10 42 38.8 -0.8
NB2	NORSAR Subarrat	130.58	348	ePKPdf	PKPdf	10 42 38.8 -0.8

NOA	NORSAR Array B	130.58	348	PKP	PKPdf	10 42 38.5 -1.2
BDFB	Brasilia	130.65	125	PKP	PKPdf	10 42 41.5 +0.3
HFS	Hagfors	130.85	346	PKP	PKPdf	10 42 40.1 -0.1
AKASG	Malin Array Be	132.37	329	PKP	PKPdf	10 42 41.5 -1.8
AKASG	Malin Array Be	132.37	329	PKIP	PKPdf	10 42 41.5 -1.8
KIEV	Kiev	132.39	329	PFAKE	LR	10 42 50.0 +6.7
AK11	Malin Array Si	132.42	329	ePKPdf	PKPdf	10 42 43.0 -0.3
KMBO	Kilima Mbogo	132.25	255	PFAKE	LR	10 43 00.0 +14
SORM	Soroca	134.39	327	iP	PKPdf	10 42 49.1 +2.0
SORM	Soroca	134.39	327	iPKIP	PKPdf	10 42 49.1 +2.0
LSZ	Lusaka	134.52	232	PFAKE	LR	10 43 00.0 +11
BRTR	Keeskin Array B	135.37	314	PKP	PKPdf	10 42 49.4 -0.1
ANTO	Ankara	135.90	314	PFAKE	LR	10 43 00.0 +10
MMAI	Mount Meron Ar	136.34	304	PKP	PKPdf	10 42 51.4 +0.1
BUR08	Bucovina Ar. S	136.35	328	ePKPdf	PKPdf	10 42 53.7 +2.7
BUR08	Bucovina Ar. S	136.35	328	ePKPdf	PKPdf	10 42 49.6 -1.4
BURAR	Bucovina Array	136.35	328	iP	PKPdf	10 42 52.1 +1.1
UZH	Uzhgorod	137.12	331	ePKIP	PKPpre	10 42 46.0
MLR	Muntele Rosu	137.31	325	iP	PKPdf	10 42 53.8 +0.9
MLR	Muntele Rosu	137.31	325	iPKIP	PKPdf	10 42 53.8 +0.9
CRVS	Cervenica-Dubn	137.32	332	ePKIP	PKPdf	10 42 52.9 +0.3
CRVS	Cervenica-Dubn	137.32	332	ePKP	PKPdf	10 42 52.9 +0.3
OKC	Ostrava-Krasne	138.06	335	AMS	AMS	11 42 10.0
ARR	Arges	138.11	326	iP	PKPdf	10 42 56.0 +1.7
ESK	Eskaudemuir	138.11	356	PFAKE	LR	10 43 10.0 +16
MORC	Moravsky Berou	138.35	336	ePKP	PKPdf	10 42 53.6 -1.0
DPC	Dobruska-Polom	138.38	337	AMS	AMS	11 46 30.0
ISP	Isparata	138.38	313	iP	PKPdf	10 42 54.0 -1.1
ISP	Isparata	138.38	313	iPKIP	PKPdf	10 42 54.0 -1.1
CLL	Colim	138.75	340	iPKIP	PKPdf	10 42 54.7 -0.5
CLL	Colim	138.75	340	iPKIP	PKPdf	10 43 00.0
CLL	Colim	138.75	340	iPKIP	PKPdf	10 43 04.1 -2.5
CLL	Colim	138.75	340	ePKSdf	PKSdf	10 46 33.0 +1.9
CLL	Colim	138.75	340	iPKIP	PKPdf	10 42 54.7 -0.5
CLL	Colim	138.75	340	iPKIP	PKPdf	10 43 04.1
VYHS	Vyhne	138.80	333	ePKIP	PKPdf	10 42 54.0 -1.4
VYHS	Vyhne	138.80	333	ePKIP	PKPdf	10 42 54.0 -1.4
BRG	Bergliesshubel	138.81	339	iPKP	PKPdf	10 42 55.2 -0.1
BRG	Bergliesshubel	138.81	339	iPKIP	PKPdf	10 42 55.2 -0.1
BRG	Bergliesshubel	138.81	339	iPKIP	PKPdf	10 42 55.2 -0.1
BRG	Bergliesshubel	138.81	339	iPKIP	PKPdf	10 42 55.2 -0.1
BRG	Bergliesshubel	138.81	339	iPKIP	PKPdf	10 42 55.2 -0

Y52A	Liburn	20.70	26	eP	Pn	12 43 13.6	+0.4	PV21	Cone Mtn., Par	26.26	334	eP	P	12 44 06.9	+1.2	YBH	25mm,1.5s	Yreka Blue Hor	35.66	323	P	P	12 45 27.1	-1.3
319A	Douglas	20.73	322	eP	P	12 43 12.1	+0.9	SCIA	State Center	26.41	2	eP	P	12 44 04.2	-2.5	YBH	1.3mm,0.8s,baz=69,slow=5.2,SNR=8.8	Yreka Blue Hor	35.66	323	LR	LR	13 01 47.1	
HHAR	Hobbs	20.77	2	eP	P	12 43 10.6	-0.8	L40A	Anamosa	26.70	6	eP	P	12 44 08.7	-0.7	YBH	comp=2.2um,18.4s,baz=150,slow=39	Yreka Blue Hor	35.66	323	eP	P	12 45 27.3	-1.0
HELX	Santa Helena	20.91	114	eP	Pn	12 43 14.6	-1.5	XPFO	Pison Flat	26.74	317	eP	P	12 44 11.9	+2.0	KHMM	Horse Mountain	35.74	321	eP	P	12 45 30.2	+1.1	
X51A	Calhoun	21.00	23	eP	Pn	12 43 18.0	+1.4	PFO	Pinoy Flats O	26.74	317	eP	P	12 44 11.9	+1.9	F10A	Beach Ranch, E	35.84	333	eP	P	12 45 30.0	+0.1	
Y50A	Yotoco, Valle	21.32	120	eP	P	12 43 18.0	+0.3	LDFC	Landfair	26.81	321	eP	P	12 44 12.6	+2.0	PINE	Pine Mountain	36.03	327	eP	P	12 45 32.1	+0.5	
W50A	Signal Mountain	21.40	21	eP	P	12 43 20.3	+2.1	L42A	Oliver, Polo	26.83	8	eP	P	12 44 08.9	-1.6	JTMT	Pilot Hill	36.07	337	eP	P	12 45 31.9	+0.0	
W50A	Smith Brothers	21.41	18	eP	Sn	12 43 17.9	-4.8	LCMT	Little Creek M	27.09	326	eP	P	12 44 15.3	+2.2	G08A	Pilot Rock	36.71	330	eP	P	12 45 32.8	+0.6	
GUYC	Guyana, Colomb	21.49	116	eP	P	12 43 21.5	+1.7	K38A	Parkersburg	27.17	3	eP	P	12 44 12.5	-1.0	E09A	Wood Farm, Sta	36.66	333	eP	P	12 45 37.0	+0.3	
WWT	Waverly	21.50	15	eP	P	12 43 18.6	-0.6	O20A	White River Ci	27.31	337	eP	P	12 44 17.4	+2.3	KBO	Bosley Butte	36.84	322	eP	P	12 45 40.5	+2.0	
BNM	Barren Site	21.53	332	eP	S	12 43 15.0	-0.9	SRU	San Rafael Swe	27.39	332	eP	P	12 44 17.0	+1.2	H04A	Detroit Lake	37.30	327	eP	P	12 45 42.8	+0.6	
PBMO	Poplar Bluff	21.59	9	eP	P	12 43 19.3	-0.9	PHWY	Pilot Hill	27.42	342	eP	P	12 44 17.8	+1.6	KEBM	Edson Butte	37.31	323	eP	P	12 45 44.5	+2.1	
PBMO	Los Pinos Moun	21.67	332	eP	S	12 43 15.7	-2.1	SZCU	Shurtz Canyon	27.44	327	eP	P	12 44 18.6	+2.2	NEW	Newport	37.59	335	eP	P	12 45 45.3	+0.6	
LENM	Lemitar	21.70	331	eP	P	12 43 22.5	+1.2	CCUT	Cedar City	27.55	327	eP	P	12 44 19.3	+2.0	C09A	Chrisman Ranch	37.71	334	eP	P	12 45 46.0	+0.3	
ANIL	Santa Ana	21.85	118	eP	P	12 43 22.0	-1.4	ATAH	Atahualpa	27.62	143	P	P	12 44 18.2	-0.1	PTGA	Pitinga	37.87	112	P	P	12 45 46.4	-1.0	
THLC	Tollima	21.87	118	eP	P	12 43 26.5	+2.5	ATAH	comp=2.1um,18.1s,baz=307,slow=33					12 53 45.5		PTGA	comp=2.290mm,18.1s,baz=330,slow=42	37.87	112	LR	LR	13 04 49.9		
NO9C	New Hope	21.96	34	P	P	12 43 24.2	0.0	JFWS	Jewell Farm	27.65	7	eP	P	12 44 16.1	-1.8	PTGA	Pitinga	37.87	112	eP	P	12 45 46.6	-0.8	
LAZ	Ladron	21.97	32	eP	P	12 43 25.6	+1.0	P18A	Preston Nutter	27.69	334	eP	P	12 44 20.2	+1.5	PTGA	Liberty	38.36	331	eP	P	12 45 57.2	+0.3	
OTAV	Otavalo	22.02	132	eP	P	12 43 27.6	+2.1	P17A	Balcher Ranch,	27.78	333	eP	P	12 44 20.2	+0.9	LTY	Liberty	38.36	331	eP	P	12 45 51.6	+0.4	
OTAV	Otavalo	22.02	132	eP	P	12 43 25.8	+0.3	J36A	Seneca 1, Swea	27.80	1	eP	P	12 44 17.7	-1.5	LOX	Longmire	38.54	330	eP	P	12 45 53.5	+0.8	
ANMO	comp=Z,791nm,18.3s,baz=152,slow=40				LR	12 53 09.2		SHPR	Sheep Range	27.81	323	eP	P	12 44 21.2	+1.6	B08A	Colville Reser	38.59	334	eP	P	12 45 52.9	-0.2	
ANMO	Albuquerque	22.12	334	eP	P	12 43 26.8	+0.6	TMUT	Trail Mountain	27.84	332	eP	P	12 44 21.2	+1.2	SAML	Samuel	39.50	126	eP	P	12 45 59.2	-1.9	
BG3	Lake Jocassee	22.15	26	eP	P	12 43 26.4	+0.2	ECSO	EROS Data Cent	28.25	357	eP	P	12 44 22.8	-0.5	FFC	Flin Flon	39.62	353	eP	P	12 46 01.0	-0.5	
SOTA	Rioblanco	22.18	125	eP	P	12 43 25.9	-1.3	RWWY	Rawlins	28.32	340	eP	P	12 44 26.1	+1.9	NLWA	Neilton Lookou	40.00	329	eP	P	12 46 06.4	+1.5	
S39A	Bolivar	22.20	3	eP	P	12 43 25.5	-1.3	MPU	Maple Canyon	28.62	332	eP	P	12 44 23.9	-1.2	LPZ	La Paz	40.99	139	eP	P	12 46 15.2	+0.8	
MARP	Paez Belalcaza	22.29	122	eP	P	12 43 29.8	+1.6	IPU	Popoh Spring	28.75	322	eP	P	12 44 27.5	+1.7	LPZ	La Paz	40.99	139	eP	P	12 46 14.0	-0.1	
TUC	Tucson	22.29	122	eP	P	12 43 28.9	+1.0	TPNV	comp=2.3um,18.5s,baz=222,slow=33					12 58 40.0		LLBL	Lillicoat	41.38	334	eP	P	12 46 16.2	0.0	
JSC	Jenkinsville	22.32	30	eP	P	12 43 32.6	+4.5	NLU	North Lily Min	28.77	331	eP	P	12 44 30.5	+2.3	NMNC	Minnye Minnye	42.30	143	eP	P	12 46 25.0	+0.7	
TKL	Tuckaleechee C	22.38	24	P	P	12 43 31.0	+2.3	K22A	Casper	28.97	342	eP	P	12 44 31.0	+1.1	RPN	RPN	44.64	199	LR	LR	13 00 36.0		
TKL	comp=Z,649nm,19.3s,baz=206,slow=43				LR	12 54 32.2		CTU	Camp Tracy	29.22	333	eP	P	12 44 34.3	+2.2	SCHO	Schefferville	44.84	23	LR	LR	13 07 55.8		
TKL	Tuckaleechee C	22.38	24	P	P	12 43 28.7	-1.2	DUG	Dugway, Tooele	29.30	331	eP	P	12 44 34.6	+1.8	DIB	Dawson Inlet,	47.96	330	eP	P	12 47 10.4	+1.9	
TKL	comp=Z,791nm,18.3s,baz=152,slow=40				LR	12 53 09.2		R11A	Troy Canyon, C	29.34	325	eP	P	12 44 34.6	+1.4	YKA	Yellowknife Ar	49.06	348	P	P	12 47 16.3	-0.6	
T47A	Sharon Grove	22.50	16	eP	S	12 43 31.0	-1.8	TCUT	Toone Canyon	29.42	334	eP	P	12 44 35.3	+1.3	YKA	comp=2.23nm,18.3s,baz=161,slow=41					13 11 52.0		
R14A	El Rosal	22.61	116	P	P	12 43 35.5	+0.7	SPMN	Marine on St.	29.74	3	eP	P	12 44 35.1	-1.3	LCO	Las Campanas	49.89	152	eP	P	12 47 25.1	+1.1	
ROSC	El Rosal	22.61	116	P	P	12 43 34.5	+2.7	HWUT	Hardware Ranch	29.89	334	eP	P	12 44 39.1	+1.1	DLBC	Dease Lake	50.31	337	eP	P	12 47 28.6	+2.0	
ROSC	comp=Z,222nm,19.2s,baz=254,slow=36				LR	12 52 03.4		BW06	Boulder Array	30.09	338	eP	P	12 44 40.1	+0.3	TAOE	Nulu Hiva Isla	51.11	245	eLR	LR	13 02 11.6		
ROSC	El Rosal	22.61	116	eP	P	12 43 34.5	+2.7	PD31	Pinedale Array	30.09	338	eP	P	12 44 40.0	+0.1	TAOE	Nulu Hiva Isla	51.11	245	eT	T	13 42 18.8		
V52A	Sevierville	22.61	24	P	P	12 43 32.8	+1.6	PDAR	Pinedale Array	30.09	338	eP	P	12 44 39.8	-0.1	AGUA	GLADACOL	51.32	150	eP	P	12 47 35.7	+1.2	
V52A	SiUC	22.71	11	eSn	Sn	12 43 45.4	-6.3	PDAR	Pinedale Array	30.09	338	eP	P	12 44 39.8	-0.1	AROD	Rodeo	51.43	152	eP	P	12 47 36.9	+1.0	
V52A	SiUC	22.71	11	eSn	Sn	12 43 35.6	+3.4	HVU	Hansel Valley	30.55	333	eP	P	12 44 44.9	+1.0	ACDV	Cuesta del Vie	51.60	152	eP	P	12 47 37.2	+0.4	
SIUC	Cathedral Cave	22.73	7	eSn	S	12 43 45.4	+6.8	AHID	Auburn Hatcher	30.67	336	eP	P	12 44 46.1	+1.2	ACLC	CERRO LA CRUZ	52.01	149	eP	P	12 47 40.4	+0.5	
CCM	Saluda	22.78	26	eP	P	12 43 32.2	-0.8	AV01	Mina Array Sit	30.86	322	eP	P	12 44 46.8	+0.2	ATOC	MOGNA	52.53	151	eP	P	12 47 44.0	+0.5	
V53A	Saluda	22.78	26	eP	P	12 43 39.4	-3.9	NV11	Mina Array Sit	30.86	322	eP	P	12 44 46.8	+0.2	RMLS	Cerro Villucun	52.87	152	eP	P	12 47 45.0	+0.5	
V53A	BARC	22.83	110	eP	S	12 43 44.4	+4.5	NV01	Mina Array Sit	30.95	322	eP	P	12 44 48.6	+1.1	APLL	PUNTA DE LOS L	53.02	149	eP	P	12 47 47.0	-0.1	
BARC	Maddies Statio	22.87	5	eP	P	12 43 32.9	-0.9	NV41	Mina Array Bra	30.95	322	eP	P	12 44 48.9	+1.4	ROCI	El Roble	53.19	155	eP	P	12 47 48.8	+0.3	
R40A	Pamplona, Colo	22.98	108	eSn	Sn	12 47 53.2	-4.5	NVAR	1.1mm,0.7s,baz=139,slow=8.9,SNR=43					12 47 43.9	+0.5	ROCI	El Roble	53.19	155	eP	P	12 47 48.4	-0.1	
PAMC	La Rusia	23.22	112	eP	P	12 43 38.3	+0.2	NVAR	comp=2.3um,18.5s,baz=222,slow=33					12 58 40.0		AUSP	AUSP	53.22	153	eP	P	12 47 50.1	+1.3	
RUSC	La Rusia	23.22	112	eP	P	12 43 37.8	-0.4	NVAR	comp=2.3um,18.5s,baz=222,slow=33					12 58 40.0		RVCV	Cerro Valdivia	53.29	152	eP	P	12 47 50.0	+1.0	
CHIC	Chingaza	23.22	115	eP	P	12 43 39.4	+1.3	SNOW	Red Top Meadow	31.08	337	eP	P	12 44 48.8	+0.2	PEL	Peldehue	53.47	155	eP	P	12 47 50.0	0.0	
TZTN	Tazewell	23.24	23	eP	P	12 43 36.0	-1.7	SNOW	Snow King Moun	31.13	337	eP	P	12 44 49.9	+0.9	ASAL	Salagasta	53.78	153	eP	P	12 47 53.7	+1.0	
T25A	Trinidad	23.28	340	eP	P	12 43 39.0	+0.7	SNOW	Snow King Moun	31.13	337	eP	P	12 44 49.9	+0.9	ACAN	Canantol	54.25	151	eP	P	12 47 56.9	+0.8	
X18A	Snowflake	23.46	327	eP	P	12 43 41.5	+1.4	SNOW	Snow King Moun	31.13	337	eP	P	12 44 50.1	+0.4	G005	HualaeO	54.62	157	eP	P	12 47 59.1	+0.3	
CBKS	Cedar Bluff	23.71	350	eP																				

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KTH Kantishna Hill, BPAW Bear Paw Mtn., COLD Coldfoot, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCI Palu, MPSI Mapaga, APSI Ampana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GSI Gunungsitoli, PSI Prapat, PSI Palu, etc.

HIA	comp=Z,162nm,0.7s	47.12 352	PFAKE	LR	15 40 20.0 +7.6
HIA	comp=Z,5um,20.0s	47.12 352d	iP	P	15 40 11.3 -1.1
JIRN	comp=Z,12nm,1.5s	47.65 306	eP	P	15 40 17.3 0.0
MOO	comp=Z,362nm,0.8s	47.86 162	P	P	15 40 20.1 +1.9
GUN	comp=Z,414nm,0.7s	48.00 306	eP	P	15 40 20.1 +0.1
PALK	Pallekete	48.05 277	P	P	15 40 22.2 +1.9
PKIN	Phulchoki	48.26 305	eP	P	15 40 22.6 +0.7
TAU	Tasmania Unive	48.32 162	PFAKE	LR	15 40 30.0 +8.3
GRNR	comp=Z,4um,20.0s	48.42 7	eP	P	15 40 23.0 +0.5
GRNR	comp=N,46nm,1.0s				
GRNR	comp=Z,52nm,1.0s				
KKN	Kakani	48.44 305	eP	P	15 40 22.9 -0.3
DMN	Dama	48.51 305	eP	P	15 40 23.6 -0.2
ULN	Ulaanbaatar	48.81 341	eP	LR	15 40 24.5 -1.1
ULN	Ulaanbaatar	48.81 341	P	P	15 40 25.2 -0.5
ULN	Ulaanbaatar	48.81 341ceP	P	P	15 40 24.4 -1.3
SONM	Songino Array	49.01 340	eP	P	15 40 26.7 -0.5
SONM	comp=Z,3um,21.4s,baz=156,slow=36				16 02 48.4
SONM1	Songino Array	49.01 340	eP	P	15 40 26.5 -0.7
GKN	Gorkha	49.04 305	eP	P	15 40 27.3 -0.5
MDRS	Chennai	49.05 285	eP	P	15 40 27.1 -0.7
KOLN	Koldanda	49.80 305	eP	P	15 40 33.9 +0.2
DANN	Dangsing	49.89 305	eP	P	15 40 34.4 0.0
PYUN	Piuthan	50.42 305	eP	P	15 40 38.5 +0.1
CIT	Chita	50.85 348	eP	P	15 40 42.4 +1.4
CIT					15 40 56.2
ZEZ	Zeya	50.98 359	eP	P	15 40 41.2 -0.6
ZEZ					15 40 44.0
ZEZ					15 47 54.5 -1.1
ZEZ					15 50 33.0
ZEZ					15 52 58.0
ZEZ	comp=Z,500nm,7.0s				
ZEZ	comp=N,400nm,6.0s				
ZEZ	comp=Z,29nm,1.0s				
ZEZ	comp=N,2um,20.0s				
ZEZ	comp=N,3um,18.0s				
ZEZ	comp=Z,5um,18.0s				
NKL	Nikolayevsk	51.33 9	eP	P	15 40 44.0 -0.4
NKL					15 48 04.0 +3.5
NKL					15 50 30.0
NKL	comp=E,30nm,1.0s				
NKL	comp=Z,51nm,1.0s				
NKL	comp=N,500nm,6.0s				
NKL	comp=Z,1um,6.0s				
NKL	comp=Z,2um,10.0s				
NKL	comp=N,4um,18.0s				
NKL	comp=E,2um,18.0s				
HYB	Hyderabad	51.38 290	iP	P	15 40 45.0 -0.5
HYB					15 41 58.0 -1.8
HYB					15 48 06.0 +3.6
HYB					15 50 32.0 -1.0
HYB	Hyderabad	51.38 290	eP	P	15 40 45.2 -0.3
HYB					15 40 48.0
NGP	Nagpur	51.72 295f	eP	I	15 40 46.2 -1.7
NGP					15 40 51.3
TRD	Trivandrum	51.83 279	eP	P	15 48 08.8 +1.9
ZAK	Zakamensk	52.25 340	eP	P	15 40 51.3 -0.2
ZAK					
SKR	Severo-Kuril's	53.19 21	eP	P	15 40 56.5 -1.7
SKR					15 48 28.6 +2.6
SKR	comp=Z,900nm,7.0s				
SKR	comp=Z,700nm,18.8s				
SKR	comp=Z,2um,17.0s				
SKR	comp=Z,2um,16.0s				
IRK	Irkutsk	53.50 342	eP	P	15 41 00.2 -0.4
IRK					
BHPL	Bhopal	53.69 297	eP	I	15 41 01.6 -0.9
BHPL					15 41 06.0
MOY	Mondy	54.12 339	eP	P	15 41 06.2 +0.9
MOY					
WMQ	Urumqi	54.79 324	P	P	15 41 11.8 +1.6
WMQ					15 41 29.5 +1.9
WMQ					15 43 19.3 +6.0
WMQ					15 48 49.4 +1.3
WMQ					15 50 53.3 -2.8
WMQ					15 52 31.3 -0.5
WMQ	comp=Z,130nm,1.3s				
WMQ	comp=Z,1um,3.6s				
WMQ	comp=Z,21um,21.9s				
WMQ	comp=Z,8um,19.9s				
DDI	Dehra Dun	55.24 305	eP	I	15 41 13.6 -0.1
DDI					15 41 15.4
NDI	New Delhi	55.40 303	eP	P	15 41 14.0 -0.8
GOA	Goa	55.55 287	eP	P	15 41 15.1 -1.0
MINCY	Minicy	55.69 278	eP	P	15 41 18.4 +1.2
PEAOB	Petrovsk	55.73 21	eP	P	15 41 17.9 +1.1
PETK	Petrovsk	55.73 21	eP	P	15 41 17.2 +0.4
PETK	comp=Z,17nm,0.6s,baz=188,slow=3.6,SNR=42				16 01 33.1
PETK	comp=Z,1um,20.9s,baz=208,slow=32				
PETK	Petrovsk	55.73 21	eP	P	15 41 17.4 +0.6
PETK	Petrovsk	55.73 21	eP	P	15 41 17.4 +0.6
POO	Poona	55.98 291	eP	I	15 41 18.6 -0.6
POO					15 41 21.7
PET	Petrovsk	56.01 21	eP	P	15 41 19.4 +0.7
PET					
PET	Petrovsk	56.01 21	eP	P	15 41 19.4 +0.7
PET					
SMLA	Simla	56.24 306	eP	I	15 41 19.7 -1.0
SMLA					15 41 21.9

BOD	comp=Z,2um,3.0s	56.27 351	eP	P	15 41 21.4 +0.9
BOD					
HVS	comp=Z,68nm,1.9s	56.60 334	iP	P	15 41 22.7 -0.4
HVS	Khovu-Aksy				
DGAR	comp=Z,56nm,0.9s	57.03 259	PFAKE	LR	15 41 40.0 +1.3
DGAR	Diego Garcia				
DGAR	comp=Z,1um,21.0s				
DGAR	Diego Garcia	57.03 259	iP	P	15 41 24.4 -2.3
MIDW	Midway	57.27 58	PFAKE	LR	15 41 40.0 +1.2
MIDW					
DHRM	DHARAMSHALA	57.31 307	eP	I	15 41 27.8 -0.9
DHRM					15 41 30.1
ZSN	Zaisan	58.53 327	iP	P	15 41 36.8 +0.1
ZSN	comp=Z,346nm,0.2s				
ZSN	comp=Z,3.9nm,1.1s				
DGZ	Jazzator, Alta	58.55 330	iP	P	15 49 36.6 -0.7
DGZ					15 41 36.4 -0.6
DGZ	comp=Z,13nm,0.9s				
DCZ	Deep Cove	58.76 149	eP	P	15 41 38.9 +0.7
FOZ	Fozi	58.90 146	eP	P	15 41 42.7 +3.5
HZI	Hautiti	58.99 139	eP	P	15 41 43.7 +3.7
MLZ	Mavora Lakes	59.19 149	eP	P	15 41 43.0 +1.7
YAK	Yakutsk	59.28 1	eP	LR	15 41 40.6 -0.9
YAK					
YAK	comp=Z,4um,20.0s				
YAK	Yakutsk	59.28 1	iP	P	15 41 41.8 +0.3
YAK					15 41 50.9 -3.1
YAK					15 42 28.1
YAK					15 43 54.6
YAK					15 49 46.7 +0.2
YAK					15 49 58.4 +2.8
YAK					15 51 26.1
YAK					15 56 02.3
YAK	comp=Z,94nm,1.1s				
YAK	comp=E,8.0nm,1.3s				
YAK	comp=N,25nm,1.0s				
YAK	comp=Z,4.0nm,4.0s				
YAK	comp=E,1um,5.8s				
YAK	comp=N,953nm,7.4s				
YAK	comp=Z,4um,19.0s				
YAK					
WAZ	Wanaka	59.30 148	eP	P	15 41 46.2 +4.2
MAK	Magadan	59.32 13	eP	P	15 41 42.2 +0.3
MA2	Magadan	59.32 13	eP	LR	15 41 43.0 +1.1
MA2					
MA2	Magadan	59.32 13	eP	MLR	15 41 43.0 +1.1
MA2					
WHZ	Wether Hill Ro	59.46 149	eP	P	15 41 43.3 +0.2
SHLS	Shalkode	59.48 320	iP	P	15 41 41.5 -2.0
PDGK	Podgornoye	59.55 320	P	P	15 41 43.2 -0.7
PDGK					
MK01	Makanchi Array	59.59 325	eP	P	15 41 42.9 -1.2
THZ	Tophouse	59.60 143	eP	P	15 41 44.7 +0.5
MK31	Makanchi Array	59.61 325	eP	P	15 41 43.5 -0.7
MK31	Makanchi Array	59.61 325	iP	P	15 41 43.3 -0.9
MK31					
MKAR	Makanchi Array	59.61 325	P	P	15 41 43.2 -1.0
MKAR	comp=Z,25nm,0.5s,baz=119,slow=7.8,SNR=179				15 49 54.5 +3.1
MKAR	comp=Z,4.6nm,1.2s,baz=123,slow=10,SNR=7.4				16 09 32.3
MKAR	comp=Z,3um,19.2s,baz=118,slow=38				
MKAR	comp=Z,0.4nm,0.8s,baz=318,slow=1.9,SNR=3.1				16 11 11.0 -2.6
MKAR	Makanchi Array	59.61 325	iP	P	15 41 43.5 -0.7
MKAR					
LBZ	Lake Benmore	59.65 147	eP	P	15 41 45.3 +0.8
RPZ	Rata Peaks	59.71 146	eP	P	15 41 45.9 +1.0
UZB	Uznbulak	59.76 320	iP	P	15 41 45.0 -0.5
UZB	comp=Z,26nm,1.3s				
UZB					15 49 52.2 -1.5
UZB					16 10 43.8
MAKZ	Makanchi	59.80 325	eP	P	15 41 44.8 -0.7
MAKZ	Makanchi	59.80 325	eP	P	15 41 44.8 -0.7
LTZ	Lake Taylor	59.83 144	eP	P	15 41 46.2 +0.4
PRZ	Przheval'sk	59.86 319	eP	P	15 41 47.4 +1.2
PRZ	Przheval'sk	59.86 319	eP	P	15 41 47.4 +1.2
QXZ	Qizil	60.03 145	eP	P	15 41 46.9 -0.2
RAO	Raoul Island	60.06 126	PFAKE	LR	15 42 00.0 +1.2
RAO					
SATY	Saty Peaks	60.12 319	eP	P	15 41 47.8 -0.1
SATY	comp=Z,2um,20.0s				
SATY	comp=Z,56nm,0.9s				
SATY					15 49 57.2 -1.0
SATY					16 11 05.5
KPKS	comp=Z,953nm,15.0s	60.13 320	iP	P	15 41 47.4 -0.5
KPKS	comp=Z,37nm,1.0s				
NIL	Nilore	60.19 308	eP	LR	15 41 47.8 -0.6
NIL					
NIL	Nilore	60.19 308	eP	MLR	15 41 47.8 -0.6
NIL					
KSH	Kashi	60.24 315	P	P	15 41 50.0 +1.2
KSH					15 42 03.1 +1.8
KSH					15 44 06.1 +4.1
KSH					15 49 57.1 -2.9
KSH					15 53 56.1 -1.9
KSH	comp=Z,20nm,0.6s				
KSH	comp=Z,4um,13.6s				
KSH					
KSH	comp=Z,7um,16.8s				
KSH	comp=Z,7um,17.3s				
BKZ	Black Stump Fm	60.42 139	eP	P	15 41 49.6 -0.3
SNZO	South Karori	60.44 141	PFAKE	LR	15 42 00.0 +1.0
SNZO					
MOZ	McQueen's Vall	60.61 145	eP	P	15 41 51.9 +0.9
MDOK	Medco	61.05 319	iP	P	15 41 54.1 -0.2
MDOK	comp=Z,331nm,1.4s				
MDOK					15 50 09.0 -1.3
MDOK					16 08 14.1
BFZ	Birch Farm	61.07 140	eP	P	15 41 54.2 +0.1
AAA	Alma-Ata	61.16 319	eP	P	15 41 54.8 -0.1
AAA					15 50 14.2 +2.7
AAA	comp=Z,400nm,5.0s				
AAA					
ULHL	Ultho	61.19 318	P	P	15 41 56.7 +1.4
ULHL	SNR=5.1				
AFI	Afiatalu	61.20 107	LR	LR	16 06 14.4
KZA	Kyzart	61.79 317	P	P	15 42 00.5 +0.9
KZA	SNR=1.8				
KUU	Kuryat	61.84 319	iP	P	15 41 59.0 -0.4
KUU	comp=E,169nm,2.0s				
KUU					15 50 18.5 -1.4
KUU					16 12 50.5
TKM2	Tokmak 2	61.91 318	P	P	15 41 59.8 -0.4
TKM2	comp=E,760nm,14.9s				
TKM2	SNR=35				
TKM2	Tokmak 2	61.91 318	P	P	15 41 59.1 -1.0
TKM2					
SFK	Sufi-Kurgan	62.19 314	P	P	15 42 01.6 -0.5
SFK					
JOHN	Johnston Islan	62.21 73	PFAKE		15 42 10.0 +7.7

JOHN				LR	LR
UCH	comp=Z,344nm,19.0s	62.35 317	P	P	15 42 04.7 +1.3

18d 15h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ALNE, KIP, MSEP, NAZ, etc.

2012 AUG

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PMR, GHO, COLD, MCK, etc.

898

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like INK, INK, INK, MMAI, etc.

18d 16h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like 550A Richmond, U49A Red Boiling Sp, PKME Peaks-Kenny Pk, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GRGR comp=Z,971nm,22.0s, BBGH Gun Hill, SAML Samuel, etc.

900

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like H11N2 WAKE ISLAND Hy 40.78, H11N3 WAKE ISLAND Hy 40.79, MKAR Makanchi Array, etc.

18 16:23:31.8, 1.3, 2.62N, 128.69E, h0km, mb3.5/6, mb1 3.6/7, mb1mx3.4/5.7, mbtmp3.5/7, ML3.2/1, Error ellipse: s-maj=83.0km s-min=17.3km az=69.0

IS/CJB 18 16:23:34.0, 0.9, 2.7N, 128.2, h10km, mb3.4/5, Error ellipse: s-maj=45.5km s-min=9.6km az=150.0

ISC 18 16:23:36.3, 1.3, 2.7N, 128.2, h10km, mb3.5/6, mb1 3.6/7, mb1mx3.4/5, mbtmp3.5/7, ML3.2/1, Error ellipse: s-maj=83.0km s-min=17.3km az=69.0

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
SJUI	Sorong	4.17	148	Pn	Pn	P	16 24 38.2	+0.7
SJUI		1.2m, 0.3s, baz=320, slow=18, SNR=9						
SJUI		0.9m, 0.3s, baz=311, slow=23, SNR=1.8					16 25 24.0	-1.0
FITZ	Fitroz Crossi	20.92	189	P	P	P	16 28 19.9	-0.2
WRA	Warramunga Arr	23.08	167	P	P	P	16 28 39.2	+0.1
ASAR	Alice Springs	26.61	170	P	P	P	16 29 12.1	+0.3
H11N1	WAKE ISLAND Hy	40.64	63	T	T	T	17 15 03.6	
H11N2	WAKE ISLAND Hy	40.65	63	T	T	T	17 15 04.3	
H11N3	WAKE ISLAND Hy	40.66	63	T	T	T	17 15 05.0	
MKAR	Makanchi Array	59.74	325	P	P	P	16 33 37.9	+0.2
KURBB	Kurchatov Arra	63.71	327	P	P	P	16 34 04.9	-0.5
BVAR	Borovyoye Array	69.46	327	P	P	P	16 34 40.9	-0.1

18 16:26:01.6, 1.2, 2.47N, 128.43E, h0km, mb3.6/5, mb1 3.7/6, mb1mx3.5/6, mbtmp3.6/6, ML3.1/1, Error ellipse: s-maj=91.5km s-min=18.0km az=65.0, Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
SJUI	Sorong	4.36	139	Pn	Pn	P	16 27 08.1	-1.1
SJUI		1.0m, 0.3s, baz=315, slow=20, SNR=5.6						
WRA	Warramunga Arr	23.01	166	P	P	P	16 31 08.2	-0.2
ASAR	Alice Springs	26.52	169	P	P	P	16 31 41.4	+0.3
H11S3	WAKE ISLAND Hy	40.71	64	T	T	T	17 16 58.4	
H11S2	WAKE ISLAND Hy	40.73	64	T	T	T	17 16 58.7	
H11S1	WAKE ISLAND Hy	40.74	64	T	T	T	17 16 58.2	
H11N1	WAKE ISLAND Hy	41.29	63	T	T	T	17 17 35.3	
H11N2	WAKE ISLAND Hy	41.30	63	T	T	T	17 17 34.7	
H11N3	WAKE ISLAND Hy	41.31	63	T	T	T	17 17 36.4	
MKAR	Makanchi Array	59.56	325	P	P	P	16 36 07.5	+0.4
KURBB	Kurchatov Arra	63.71	327	P	P	P	16 36 34.9	-0.1
BVAR	Borovyoye Array	69.30	327	P	P	P	16 37 10.5	-0.2

JMA 18 16:31:53.8, 0.1, 39.76N, 142.26E, h23km, 1.1km, M3.7, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
JTH	Tanohata	0.35	300	P	Pb	P	16 32 01.5	0.0
MIWJ	Miyakonagasawa	0.39	242	P	Pb	P	16 32 02.0	0.0
MIWJ		0.35	300	P	Pb	P	16 32 07.5	-0.1
JKZ	Kuzumaki	0.75	288	S	Sb	P	16 32 18.1	+0.1
JKZ		0.35	300	P	Pb	P	16 32 18.1	+0.1
JOM	Ohasama	0.80	249	P	Pb	P	16 32 08.9	-0.1
JOM		0.35	300	P	Pb	P	16 32 19.4	0.0
OFUJ	Ofunato	0.82	214	P	Pb	P	16 32 07.7	-0.6
OFUJ		0.35	300	P	Pb	P	16 32 19.2	-0.8
JANG	Nango	0.84	317	P	Pb	P	16 32 08.7	-1.0
JANG		0.35	300	P	Pb	P	16 32 19.7	-0.8
JMK	Ichinoseki	1.14	225	P	Pn	P	16 32 14.2	-0.1
JMK		0.35	300	P	Pb	P	16 32 28.9	-0.3

18 16:33:19.7, 2.1, 0.4370N, 131.88E, h146km, 1.81km, mb3.2/3, mb1 3.0/5, mb1mx2.8/69, mbtmp3.4/5, ML3.2/2, Error ellipse: s-maj=25.2km s-min=10.7km az=61.0, Primurye-Northeastern China border region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
KSR5	Korea Array	6.93	207	P	Pn	P	16 34 59.2	+0.4
SOM1	Songino Array	18.22	292	P	P	P	16 37 21.1	-0.5
ZALV	Zalesovo Beam	32.07	305	P	P	P	16 39 33.0	+0.6
MKAR	Makanchi Array	59.74	325	P	P	P	16 39 54.5	+0.1
KURBB	Kurchatov Arra	63.74	300	P	P	P	16 40 07.9	-0.6

18 16:34:56.8, 2.0, 0.27N, 122.76E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.2/64, mbtmp3.2/3, Error ellipse: s-maj=43.0km s-min=26.9km az=61.0

ISCJB 18 16:34:59.1, 0.2, 1.2S, 122.76E, h28km, mb3.1/3, Error ellipse: s-maj=6.6km s-min=5.5km az=33.4

DJA 18 16:34:59.1, 0.2, 1.2S, 122.76E, h10km, M4.0/13, mb5.6/1, mb4.5/1, MLV3.8/13, MB(MB)5.1/5

ISC 18 16:35:00.7, 0.9, 1.21S, 120.05E, h28km, n15, e135/19, mb3.0/3, Sulawesi

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
PCI	Palu	0.36	327	P	Pb	P	16 35 06.9	-0.2
MPSI	Mapaga	1.54	355	P	Pn	P	16 35 25.2	-1.2
MPSI		0.35	300	P	Pb	P	16 35 47.6	-0.2
APSI	Ampana	1.64	80	P	Pn	P	16 35 27.5	-0.2
APSI		0.35	300	P	Pb	P	16 35 49.7	-0.9
TTSI	Tana Toraja	1.83	187	P	Pn	P	16 35 29.3	-1.0
MRSI	Marisa	2.54	49	P	Pn	P	16 35 40.6	+0.5
MRSI		0.35	300	P	Pb	P	16 36 12.7	+2.6
LUWI	Luwuk	2.74	86	P	Pn	P	16 35 44.3	+1.5
LUWI		0.35	300	P	Pb	P	16 36 21.7	-0.6
SPSI	Sidrap Palu	2.75	186	P	Pn	P	16 35 43.6	+0.7
SMKI	Samarinda	2.93	285	P	Pn	P	16 35 46.5	+1.1
BNSI	Bonde	3.17	179	P	Pn	P	16 35 49.1	+0.4
BKSI	Bulukumba	4.08	179	P	Pn	P	16 36 01.6	+0.3
BKBI	Kotabaru	4.38	242	P	Pn	P	16 36 06.0	+0.5
MTR1	Muara Teweih, K	5.14	273	P	Pn	P	16 36 17.1	+1.2
WRA	Warramunga Arr	23.29	144	P	P	P	16 40 04.0	-2.5
ASAR	Alice Springs	26.06	150	P	P	P	16 40 33.0	+1.0
MKAR	Makanchi Array	59.74	325	P	P	P	16 44 53.1	+1.2

18 16:39:51.4, 1.8, 3.04N, 129.49E, h0km, mb3.4/4, mb1 3.6/5, mb1mx3.3/5, mbtmp3.4/5, ML3.2/1, Error ellipse: s-maj=139.8km s-min=17.8km az=67.0, North of Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
SJUI	Sorong	4.27	155	Pn	Pn	P	16 40 59.9	+2.1
SJUI		1.4m, 0.3s, baz=145, slow=22, SNR=4.9						
WRA	Warramunga Arr	23.16	167	P	P	P	16 45 00.7	-0.8
ASAR	Alice Springs	26.89	171	P	P	P	16 45 33.3	-1.0
MKAR	Makanchi Array	59.70	324	P	P	P	16 49 57.9	0.0
KURBB	Kurchatov Arra	63.81	327	P	P	P	16 50 26.3	+0.8

18 16:41:28.1, 1.2, 5.732S, 25.92W, h0km, mb3.8/4, mb1 3.8/5, mb1mx3.7/31, mbtmp3.7/5, ML3.2/1, Error ellipse: s-maj=53.2km s-min=24.6km az=76.0, South Sandwich Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
SNAAS	Snares	17.29	155	Op	Op	P	16 46 32.6	+0.4
SPSA	South Pole Qui	32.92	180	P	P	P	16 48 03.4	-0.5
VNDA	Vanda	45.33	192	P	P	P	16 49 47.2	+0.1
LPAZ	La Paz	51.68	305	P	P	P	16 50 38.4	+1.0
TORD	Torodi Arr, Bea	73.84	28	P	P	P	16 53 04.8	+0.5
ILAR	Eileison Array	151.49	310	PKPbc	PKPbc	P	17 01 20.4	-1.9

18 16:48:42.0, 6.9, 5.28S, 102.49E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.2/64, mbtmp3.4/3, Error ellipse: s-maj=84.3km s-min=29.2km az=50.0, Southern Sumatara

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
H01W3	Cape Leeuwijn H	31.37	161	T	T	T	17 27 32.9	
H01W2	Cape Leeuwijn H	31.38	161	T	T	T	17 27 38.6	
H01W1	Cape Leeuwijn H	31.38	161	T	T	T	17 27 32.3	
WRA	Warramunga Arr	23.29	144	P	P	P	16 55 30.2	+0.2
ASAR	Alice Springs	35.35	124	P	P	P	16 55 39.1	-0.4
MKAR	Makanchi Array	58.45	343	P	P	P	16 58 14.1	-0.1

MEX 18 16:49:59.4, 0.6, 16.22N, 98.10W, h5km, MD3.8, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
PNIG	Pinotepa	0.18	350	Op	Op	P	16 50 02.4	-0.5
TLIG	Tlapa	1.41	341	iP	iP	P	16 50 22.9	-3.0
VHO	Vista Hermosa	1.56	57	eS	16 50 21.4	-6.6		
VHO		0.35	300	P	Pb	P	16 50 42.9	-5.8

18 16:52:16.1, 3.1, 3.03N, 129.68E, h0km, mb3.5/4, mb1 3.6/4, mb1mx3.3/5, mbtmp3.5/4, Error ellipse: s-maj=250.8km s-min=21.7km az=70.0, North of Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
WRA	Warramunga Arr	23.29	169	P	P	P	16 57 25.5	-0.2
ASAR	Alice Springs	26.85	171	P	P	P	16 57 58.0	-0.6
MKAR	Makanchi Array	59.82	324	P	P	P	17 02 23.1	-0.3
KURBB	Kurchatov Arra	63.83	326	P	P	P	17 02 51.6	+0.7

18 16:58:57.0, 2.0, 9.264N, 128.72E, h0km, mb3.7/9, mb1 3.8/10, mb1mx3.5/60, mbtmp3.7/10, ML3.3/1, MS3.7/1, MS1 3.7/1, ms1mx2.7/57, Error ellipse: s-maj=65.1km s-min=14.9km az=72.0

DJA 18 16:58:59.0, 0.2, 7.12N, 129.68E, h10km, M3.8/7, MLV3.8/7

ISCJB 18 16:59:00.0, 0.2, 7.12N, 129.68E, h10km, h35km, mb3.8/8, MS3.7/1, Error ellipse: s-maj=14.7km s-min=7.3km az=154.1

ISC 18 16:59:02.1, 0.8, 2.68N, 108.129E, h35km, n20, e057/14, mb3.8/8, Halmahera

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	h m s
TNTI	Ternate	2.47	220	Op	Op	P	16 59 40.5	+0.6
SGSI	Sangihe	3.56	286	P	Pn	P	16 59 54.4	-0.6
LBMI	Labuha	3.60	204	P	Pn	P	16 59 55.4	-0.1
SJUI	Sorong	4.21	147	Pn	Pn	P	17 00 03.9	0.0
SJUI		1.5m, 0.3s, baz=326, slow=19, SNR=6.2						

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, MK01 Makanchi Array, MK31 Makanchi Array, etc.

DJA 18 17:20:13.5-0.3, 1'S, 2'E, 120E, h10km, M3.2/8, MLV3.2/8, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PCI Palu, MPFI Mapaga, MRSI Marisa, etc.

ISCJBJ 18 17:27:30.0-2.1, 2'39N, 128.03E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/55, mbtmp3.8/5, Error ellipse: s-maj=196.6km s-min=19.5km az=68.0

NEIC 18 17:27:30.0-4.2, 71N, 129.00E, h10km, mb4.1/3, Error ellipse: s-maj=14.7km s-min=6.6km az=70.0

ISCJBJ 18 17:27:38.7-0.5, 2'73N, 0.05E, 129.08E, 0.8, h35km, mb4.1/8, Error ellipse: s-maj=10.8km s-min=7.7km az=176.9

DJA 18 17:27:39.1-1.0, 2'N, 9'E, 120E, h10km, M3.9/7, MLV3.9/7

ISC 18 17:27:41.1-0.9, 2'59N, 0.02E, 129.07E, 0.08, h35km, n23, c=142/22, mb4.0/3, Halmahera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TMTI Ternate, LMBI Labuha, SGSI Sangihe, etc.

Table with columns: PWJI Pagerwojo, GRJI Gresik, MMRI Maumere, UGM Wanaagama, etc.

DJA 18 17:36:26.3-0.3, 1'S, 2'E, 120E, h10km, M3.3/6, MLV3.3/6, Sulawesi

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PCI Palu, MPFI Mapaga, MRSI Marisa, etc.

ISCJBJ 18 17:45:00.0-0.1, 15'60S, 0'03E, 173.05W, 0.02, h10km, mb5.3/401, MS5.3/213, Error ellipse: s-maj=4.3km s-min=2.4km az=145.8

ISC 18 17:45:00.6-0.3, 15'62S, 173.04W, h0km, mb4.9/37, mb1 5.0/37, mb1mx4.9/50, mbtmp4.9/37, MS5.3/48, Ms1 5.3/48, ms1mx5.2/51, Error ellipse: s-maj=13.2km s-min=9.8km az=124.0

BUI 18 17:45:01.7, 15'28S, 172'85W, h13km, mb5.3/48, mb5.9/49, MS5.4/60, Ms7 5/256

NEIC 18 17:45:02.0-0.1, 15'68S, 172'58W, h13km, Moment Tensor Solution: s21 Moment Tensor: Scale 1071Nm; M3:2.1, Mw:0.98, Mw:4.19, Mw:1.74, Mw:0.12, Mw:0.78; Best double couple: M4.20000, 1017, NP1=27.00000, 857.00000, 123.00000; NP2=156.00000, 845.00000, 149.00000; Principal axes: T 4.2100, Plg1.0000; Azm351.0000; N 0.0800, Plg2.0000; Azm187.0000; P -4.2900, Plg6.0000; Azm93.0000

NEIC 18 17:45:02.3-0.1, 15'60S, 173.04W, h15km, mb5.4/297, ME5.2, MS5.4/122, MW5.7, MW5.7 Error ellipse: s-maj=3.8km s-min=2.2km az=137.0, Moment Tensor Solution: s40 Moment Tensor: Scale 1071Nm; Mr3.37; Mw:0.80; Mw:2.56; Mw:0.89; Mw:1.03; Mw:2.11; Best double couple: M4.40000, 1017, NP1=206.00000, 827.00000, 192.00000; NP2=24.00000, 863.00000, 189.00000; Principal axes: T 4.1000, Plg2.0000; Azm292.0000; N -0.3300, Plg1.0000; Azm24.0000; P -3.7800, Plg18.0000; Azm114.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from MT mechanism.

MOS 18 17:45:04.8, 1.3, 15'41S, 173.05W, h33km, mb5.4/87, MS5.4/63 Error ellipse: s-maj=7.9km s-min=5.9km az=71.7

GCMT 18 17:45:09.3-0.1, 15'57S, 0'01E, 172'60W, h20km, MW5.7/137, Moment Tensor Solution: s23, c246; s37, c368; Duration: 16s Moment Tensor: Scale 1017 Nm; M4:0.2E, 05; Mw:0.34E, 04; Mw:4.36E, 04; Mw:0.38E, 09; Mw:0.60E, 03; Mw:2.29E, 09; Best double couple: M4.82800, 1017, NP1=1.00000, 859.00000, 199.00000; NP2=164.00000, 832.00000, 175.00000; Principal axes: T 4.6670, Plg74.0000; Azm295.0000; N 0.3210, Plg8.0000; Azm177.0000; P -4.9900, Plg14.0000; Azm85.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

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

Table with columns: RAR Rarotonga, RAO Raoul Island, DZM Mont Dzumac, etc. Includes station names, coordinates, and seismic data.

TXAR	comp=Z,2um,19.2s,baz=0.0,slow=31	LR	LR	18 26 44.6	
PV19	Morning Glory comp=Z,39nm,1.3s	80.40	46 eP	P	17 57 14.4 +1.1
PV17	East Way Mesa comp=Z,36nm,1.3s	80.40	46 eP	P	17 57 13.4 +0.2
PV14	Lion Creek, Pa comp=Z,40nm,1.3s	80.40	46 eP	P	17 57 14.4 +1.1
PV18	Skein Mesa, Pa comp=Z,39nm,1.1s	80.42	46 eP	P	17 57 14.2 +0.8
PV20	West Nyswonger comp=Z,32nm,1.2s	80.42	46 eP	P	17 57 13.9 +0.6
PV13	Radium Mtn., P comp=Z,41nm,1.4s	80.44	46 eP	P	17 57 14.5 +1.0
PV16	Nyswonger Mesa comp=Z,51nm,1.5s	80.44	46 eP	P	17 57 14.0 +0.5
PV23	Carpenter Ridg comp=Z,25nm,1.0s	80.45	46 eP	P	17 57 14.0 +0.5
PV03	Paradox Valley comp=Z,32nm,1.1s	80.46	46 eP	P	17 57 14.2 +0.6
PV11	David Mesa, Pa comp=Z,32nm,1.1s	80.47	46 eP	P	17 57 14.4 +0.8
PV02	Paradox Valley comp=Z,32nm,1.1s	80.52	46 eP	P	17 57 14.7 +0.8
PV21	Cone Mtn., Par comp=Z,35nm,1.2s	80.52	46 eP	P	17 57 15.2 +1.3
PV12	Saucer Basin, comp=Z,101nm,1.6s	80.53	46 eP	P	17 57 14.7 +0.8
PV01	Paradox Valley comp=Z,32nm,1.1s	80.60	46 eP	P	17 57 15.1 +0.8
MA2	Magadan comp=Z,11nm,0.9s,baz=178,slow=1.7,SNR=5.4	80.63	342 eP	P	17 57 13.5 -0.1
MA2	Magadan	80.63	342 eP	P	17 57 13.5 -0.1
PV22	Blue Mesa, Par comp=Z,30nm,1.3s	80.64	46 eP	P	17 57 15.2 +0.6
TASM	ASL Pad, Albuq comp=Z,244,SNR=6.4	80.64	50 P	P	17 57 15.8 +1.3
ANMO	Albuquerque comp=Z,4.5nm,0.9s,baz=280,slow=7.2,SNR=8.8	80.64	50 P	P	17 57 15.6 +1.1
ANMO	comp=Z,1um,18.8s,baz=245,slow=31	80.64	50 P	LR	18 27 15.2
ANMO	Albuquerque comp=Z,7.1nm,1.9s	80.64	50 P	P	17 57 15.2 +0.7
ANMO	Albuquerque comp=Z,7.1nm,1.9s	80.64	50 P	P	17 57 15.5 +1.0
TASL	Snake Pit, Alb comp=Z,244	80.64	50 P	P	17 57 15.6 +1.1
NEW	Newport comp=Z,11nm,1.2s	80.71	34 eP	P	17 57 14.0 -0.4
NEW	comp=Z,2um,19.0s	80.71	34 eP	LR	17 57 14.0 -0.4
NEW	Newport comp=Z,11nm,1.2s	80.71	34 eP	pmx	17 57 14.0 -0.4
NEW	comp=Z,2um,19.0s	80.71	34 eP	MLR	17 57 14.0 -0.4
NEW	Newport comp=Z,2um,19.0s	80.71	34 P	P	17 57 14.6 +0.2
NJ2	Nanjing comp=Z,10.0nm,0.5s	80.75	307 eP	pmx	17 57 15.3 +0.4
NJ2	comp=Z,10.0nm,0.5s	80.75	307 eP	pmx	17 57 15.3 +0.4
NJ2	comp=Z,900nm,9.7s			pmx	
NJ2	comp=Z,810nm,21.2s			LR	
NJ2	comp=Z,830nm,18.7s			LR	
NJ2	comp=Z,830nm,18.7s			LR	
KTH	Kantishna Hill comp=Z,53nm,1.3s	80.85	10 eP	P	17 57 14.1 -0.8
TRF	Thorofare Moun comp=Z,53nm,1.3s	80.86	10 eP	P	17 57 14.6 -0.5
GLD	Guadalupe Moun comp=Z,53nm,1.3s	81.03	53 eP	P	17 57 18.2 +1.6
DHY	Denali Highway comp=Z,51nm,1.6s	81.04	11 eP	P	17 57 15.5 -0.5
KLR	Kul'dur comp=Z,0.6nm,1.0s,baz=105,slow=5.1,SNR=15	81.06	327 P	P	17 57 16.8 +0.6
RND	Reindeer comp=Z,100nm,1.4s	81.07	11 eP	P	17 57 15.6 -0.5
RND	Reindeer comp=Z,100nm,1.4s	81.07	11 eP	pmx	17 57 15.6 -0.5
AHID	Auburn Hatcher comp=Z,19nm,1.3s	81.20	41 eP	P	17 57 17.5 +0.1
AHID	comp=Z,2um,20.0s			LR	
MCMT	McKenzie Canyon comp=Z,60nm,1.7s	81.21	39 eP	P	17 57 17.5 0.0
PAX	Paxson comp=Z,60nm,1.7s	81.32	12 eP	P	17 57 17.0 -0.5
PAX	Paxson comp=Z,60nm,1.7s	81.32	12 eP	pmx	17 57 17.0 -0.5
BPBW	Bear Paw Mtn. comp=Z,25nm,1.4s	81.35	10 eP	P	17 57 15.9 -1.6
MCK	McKinley comp=Z,65nm,1.0s	81.36	11 eP	P	17 57 17.2 -0.2
MCK	McKinley comp=Z,65nm,1.0s	81.36	11 eP	pmx	17 57 17.2 -0.2
MCK	comp=Z,65nm,1.0s	81.36	11 eP	pmx	17 57 21.0 +1.0
S22A	4UR Ranch, Cre comp=Z,16nm,1.2s	81.64	47 P	P	17 57 21.0 +1.0
S22A	4UR Ranch, Cre comp=Z,16nm,1.2s	81.64	47 P	P	17 57 21.0 +1.0
DLMT	Dillon comp=Z,61nm,1.5s	81.64	38 eP	P	17 57 19.6 0.0
CN2	Changchun comp=Z,40nm,1.1s	81.65	320 eP	P	17 57 20.3 +0.8
CN2	comp=Z,40nm,1.1s	81.65	320 eP	esP	17 57 27.3 -0.6
CN2	comp=Z,40nm,1.1s	81.65	320 eP	esP	18 00 22.3 -4.3
CN2	comp=Z,40nm,1.1s	81.65	320 eP	es	18 07 30.3 0.0
CN2	comp=Z,40nm,1.1s			pmx	
CN2	comp=Z,900nm,6.0s			pmx	
CN2	comp=Z,500nm,18.0s			LR	
CN2	comp=Z,1um,18.0s			LR	
CN2	comp=Z,1um,18.0s			LR	
MSO	Missoula comp=Z,52nm,1.4s	81.66	36 eP	P	17 57 19.5 -0.1
MSO	Missoula comp=Z,52nm,1.4s	81.66	36 P	P	17 57 19.5 -0.1
REDW	Red Top Meadow comp=Z,123nm,1.8s	81.67	41 eP	P	17 57 20.4 +0.5
TPAW	Teton Pass comp=Z,21nm,1.1s	81.67	40 eP	P	17 57 20.1 +0.1
FXWY	Fox Creek comp=Z,44nm,1.7s	81.70	40 eP	P	17 57 21.2 +1.1
DL2	Dalian comp=Z,37nm,1.4s	81.76	314 P	P	17 57 21.0 +0.9
DL2	comp=Z,37nm,1.4s	81.76	314 P	S	18 07 38.0 +6.4
DL2	comp=Z,920nm,6.8s			pmx	
DL2	comp=Z,390nm,25.7s			LR	
DL2	comp=Z,720nm,23.8s			LR	
DL2	comp=Z,720nm,23.8s			LR	
O20A	White River Ci comp=Z,1um,22.7s	81.77	44 eP	P	17 57 20.5 0.0
O20A	White River Ci comp=Z,1um,22.7s	81.77	44 P	P	17 57 21.4 +0.9
SNOW	Snow King Moun comp=Z,39nm,1.8s	81.78	41 eP	P	17 57 21.3 +0.8
DLBC	Dease Lake comp=Z,23nm,1.4s	81.83	21 eP	P	17 57 20.3 +0.1
SNY	Shenyang comp=Z,23nm,1.4s	81.85	317 eP	P	17 57 21.5 +1.0
SNY	comp=Z,23nm,1.4s	81.85	317 eP	sP	17 57 31.9 -0.1
SNY	comp=Z,23nm,1.4s	81.85	317 eP	sP	17 57 35.8 +6.9
SNY	comp=Z,58nm,1.9s			pmx	
SNY	comp=Z,1um,8.5s			LR	
SNY	comp=Z,680nm,19.1s			LR	
SNY	comp=Z,840nm,19.1s			LR	
SNY	comp=Z,840nm,19.1s			LR	
IMW	Indian Meadow comp=Z,109nm,1.9s	81.89	40 eP	P	17 57 21.6 +0.4
MOOW	Moose Pond comp=Z,50nm,1.6s	81.93	40 eP	P	17 57 21.6 +0.4

LOHW	Long Hollow comp=Z,51nm,1.6s	81.95	40 eP	P	17 57 22.1 +0.7
LRM	Limekiln Ridge comp=Z,40nm,1.4s	81.98	38 eP	P	17 57 21.9 +0.4
WHY	Whitehorse comp=Z,40nm,1.4s	82.00	18 eP	P	17 57 21.5 +0.5
QLMT	Earthquake Lak comp=Z,74nm,1.8s	82.07	39 eP	P	17 57 22.7 +0.8
FLWY	Flagg Ranch comp=Z,74nm,1.8s	82.13	40 eP	P	17 57 23.1 +0.8
RIDG	Independence Rid comp=Z,74nm,1.8s	82.14	12 eP	P	17 57 21.4 -0.3
LNIG	Linares comp=Z,81nm,1.9s	82.15	61 eP	P	17 57 22.9 +0.4
YPP	Pitchstone Pla comp=Z,81nm,1.9s	82.16	40 eP	P	17 57 23.3 +0.7
WRH	Wood River Hill comp=Z,84nm,1.1s	82.19	11 eP	P	17 57 21.3 -0.5
BW06	Boulder Array comp=Z,74nm,1.8s	82.19	42 eP	P	17 57 22.6 -0.1
BW06	comp=Z,2um,20.0s			LR	
BW06	Boulder Array comp=Z,2um,20.0s	82.19	42 P	P	17 57 22.9 +0.2
PD31	Pinedale Array comp=Z,2um,20.0s	82.19	42 eP	P	17 57 23.0 +0.4
PDAR	Pinedale Array comp=Z,2um,20.0s	82.19	42 P	P	17 57 23.1 +0.4
PDAR	comp=Z,2.7nm,0.6s,baz=222,slow=2.0,SNR=19			LR	18 29 13.9
PDAR	comp=Z,2um,18.5s,baz=246,slow=32			LR	18 29 13.9
PDAR	Pinedale Array comp=Z,2um,18.5s	82.19	42 eP	P	17 57 22.2 -0.5
SMCO	Snowmass comp=Z,248nm,1.2s	82.19	46 eP	P	17 57 23.9 +0.9
MLY	Manley comp=Z,27nm,1.0s	82.26	9 eP	P	17 57 21.6 -0.7
YMR	Madison River comp=Z,151nm,1.9s	82.27	39 eP	P	17 57 23.4 +0.4
HDA	Harding Lake comp=Z,37nm,1.0s	82.33	11 eP	P	17 57 22.8 +0.2
BOZ	Bozeman (W) comp=Z,115nm,1.9s	82.35	38 eP	P	17 57 23.7 +0.4
BOZ	Bozeman (W) comp=Z,115nm,1.9s	82.35	38 eP	LR	17 57 23.7 +0.4
BOZ	Bozeman (W) comp=Z,115nm,1.9s	82.35	38 eP	pmx	17 57 23.7 +0.4
BOZ	Bozeman (W) comp=Z,115nm,1.9s	82.35	38 eP	MLR	17 57 23.7 +0.4
BOZ	Bozeman (W) comp=Z,115nm,1.9s	82.35	38 P	P	17 57 24.3 +1.0
H17A	Grant Village comp=Z,49nm,1.6s	82.36	40 eP	P	17 57 24.6 +1.0
CCB	Clear Creek Bu comp=Z,49nm,1.6s	82.40	11 eP	P	17 57 22.0 -0.9
SCRK	Sand Creek comp=Z,22nm,1.0s	82.53	12 eP	P	17 57 23.8 0.0
LKWY	Lake comp=Z,156nm,1.9s	82.56	40 eP	P	17 57 26.6 +2.1
LKWY	comp=Z,156nm,1.9s	82.56	40 eP	LR	17 57 26.6 +2.1
SDCO	Great Sand Dun comp=Z,41nm,1.5s	82.58	48 eP	P	17 57 25.5 +0.7
SDCO	Great Sand Dun comp=Z,41nm,1.5s	82.58	48 eP	LR	17 57 25.5 +0.7
SDCO	Great Sand Dun comp=Z,41nm,1.5s	82.58	48 P	P	17 57 25.4 +0.5
COLA	College comp=Z,76nm,1.0s	82.60	11 eP	P	17 57 23.9 0.0
COLA	College comp=Z,76nm,1.0s	82.60	11 eP	LR	17 57 23.9 0.0
COLA	College comp=Z,1.0nm,22.0s	82.60	11 eP	LR	17 57 23.9 0.0
COLA	College comp=Z,1.0nm,22.0s	82.60	11 eP	pmx	17 57 23.9 0.0
COLA	College comp=Z,1.0nm,22.0s	82.60	11 eP	MLR	17 57 23.9 0.0
MDM	Murphy Dome comp=Z,89nm,1.5s	82.61	10 eP	P	17 57 23.4 -0.7
ILAR	Eielson Array comp=Z,7.3nm,0.9s,baz=203,slow=5.8,SNR=54	82.67	11 P	P	17 57 24.2 -0.1
ILAR	Eielson Array comp=Z,7.3nm,0.9s,baz=203,slow=5.8,SNR=54	82.67	11 P	LR	18 30 38.7
ILAR	Eielson Array comp=Z,7.3nm,0.9s,baz=203,slow=5.8,SNR=54	82.67	11 P	LR	18 30 38.7
ILB	Eielson Array comp=Z,7.3nm,0.9s,baz=203,slow=5.8,SNR=54	82.67	11 eP	P	17 57 24.3 -0.1
IL1	Eielson Array comp=Z,7.3nm,0.9s,baz=203,slow=5.8,SNR=54	82.68	11 eP	P	17 57 23.9 -0.5
PAYG	Puerto Ayora comp=Z,89nm,1.5s	82.70	89 PFAKE	LR	17 57 40.0 +1.4
IM3	Indian Mountai comp=Z,87nm,1.5s	82.73	8 eP	P	17 57 25.1 +0.4
HRY	Holter Researc comp=Z,87nm,1.5s	82.71	37 eP	P	17 57 26.1 +0.5
WALA	Waterton Lakes comp=Z,129nm,1.9s	82.91	35 eP	P	17 57 26.6 +0.5
SEY	Seymourchan comp=Z,11nm,1.0s,baz=149,slow=7.9,SNR=11	82.96	345 P	P	17 57 26.2 +0.3
MSTX	Muleshoe comp=Z,222nm,2.0s	82.98	52 eP	P	17 57 27.5 +0.7
MSTX	Muleshoe comp=Z,222nm,2.0s	82.98	52 P	P	17 57 27.3 +0.5
T25A	Trinidad comp=Z,19nm,1.2s	83.09	48 eP	P	17 57 28.5 +1.1
T25A	Trinidad comp=Z,19nm,1.2s	83.09	48 eP	P	17 57 28.1 +0.6
RWWY	Rawlins comp=Z,81nm,1.4s	83.20	43 eP	P	17 57 28.1 +0.2
Q24A	Divide comp=Z,126nm,1.8s	83.36	47 eP	P	17 57 30.0 +1.1
Q24A	Divide comp=Z,126nm,1.8s	83.36	47 P	P	17 57 29.8 +0.8
ISCO	Idaho Springs comp=Z,82nm,2.0s	83.41	46 eP	P	17 57 29.3 +0.1
ISCO	Idaho Springs comp=Z,82nm,2.0s	83.41	46 eP	LR	17 57 29.3 +0.1
ISCO	Idaho Springs comp=Z,82nm,2.0s	83.41	46 eP	pmx	17 57 29.3 +0.1
ISCO	Idaho Springs comp=Z,82nm,2.0s				

GLMI	comp-Z,661nm,21.8s,baz=256,slow=30	99.71 46	PFAKE	LR	17 59 00.0 +15
GLMI	comp-Z,1µm,19.0s		LR		
MTDJ	comp-Z,760nm,20.0s	99.75 74	PFAKE	LR	17 59 00.0 +14
MTDJ					
AAM	comp-Z,760nm,20.0s	99.86 49	PFAKE	LR	17 59 00.0 +14
AAM					
ACSO	comp-Z,1µm,19.0s	99.92 51	PFAKE	LR	17 59 00.0 +14
ACSO					
NHSC	comp-Z,2µm,19.0s	100.65 59	PFAKE	LR	17 59 00.0 +10
NHSC					
HOPE	comp-Z,804nm,20.0s	100.99 156	PFAKE	LR	17 59 00.0 +9.2
HOPE					
BLA	comp-Z,1µm,20.0s	101.27 54	PFAKE	LR	17 59 00.0 +7.6
BLA					
GTBY	comp-Z,2µm,19.0s	102.36 73	PFAKE	LR	17 59 10.0 +12
GTBY					
LSA	comp-Z,728nm,19.0s	102.69 297	PFAKE	LR	17 59 10.0 +11
LSA					
CBN	comp-Z,658nm,22.0s	103.83 54	PFAKE	LR	17 59 20.0 +16
CBN					
SDV	comp-Z,2µm,21.0s	104.09 85	PFAKE	LR	17 59 20.0 +14
SDV					
BINY	comp-Z,658nm,22.0s	105.45 50	PFAKE	LR	18 03 40.0
BINY					
SAML	comp-Z,2µm,19.0s	106.22 104	PFAKE	LR	18 03 40.0
SAML					
GRTK	comp-Z,870nm,20.0s	106.32 72	PFAKE	LR	18 03 40.0
GRTK					
LONY	comp-Z,793nm,22.0s	106.74 48	PFAKE	LR	18 03 40.0
LONY					
WMQ	comp-Z,1µm,20.0s	107.45 312	Pdf		17 59 20.3 +0.5
WMQ			AMB		18 03 55.1 +7.3
WMQ	comp-Z,320nm,5.5s		LR	LR	
WMQ	comp-Z,540nm,15.9s		LR	LR	
WMQ	comp-Z,660nm,18.1s		LR	LR	
WMQ	comp-Z,610nm,22.7s		LR	LR	
ZAA1	comp-Z,1µm,20.0s	109.78 322	Pdf		17 59 30.1 +0.3
ZAA1			PKIKP		18 03 32.5 +0.4
ZAA1			PP		18 04 00.9 -3.4
ZALV	comp-Z,0.6nm,0.6s,baz=48,slow=2.1,SNR=2.5	109.78 322	Pdf		17 59 30.1 +0.3
ZALV			PKIKP		18 03 32.5 +0.4
ZALV			PP		18 04 00.9 -3.4
SJG	comp-Z,0.4nm,0.3s,baz=46,slow=4.2,SNR=2.8	110.31 76	PFAKE	LR	18 03 50.0
SJG					
PKME	comp-Z,786nm,20.0s	110.53 47	PFAKE	LR	18 03 50.0
PKME					
DGAR	comp-Z,1µm,19.0s	111.34 255	PFAKE	LR	18 03 50.0
DGAR					
MK32	comp-Z,834nm,19.0s	111.41 314	Pdf		17 59 41.0 +3.8
MK32			PKIKP		18 03 35.5 0.0
MKAR	comp-Z,0.2nm,0.6s,baz=78,slow=3.5,SNR=2.3	111.41 314	Pdf		17 59 41.0 +3.8
MKAR			PKIKP		18 03 35.5 0.0
PTGA	comp-Z,1.3nm,0.9s,baz=81,slow=2.2,SNR=8.3	111.82 97	PFAKE	LR	18 03 50.0
PTGA					
GRGR	comp-Z,12µm,19.0s	113.42 83	PFAKE	LR	18 03 50.0
GRGR					
GURK	comp-Z,526nm,19.0s	113.71 319	PKIKP		18 03 40.1 +0.4
GURK			PP		18 04 29.0 -3.5
KURK	comp-Z,2µm,19.0s	113.71 319	PKIKP		18 03 40.1 +0.4
KURK					18 04 29.0
KURB	comp-Z,2.0nm,0.9s		pmx	pmx	
KURB	comp-Z,1.8nm,0.9s,baz=91,slow=1.7,SNR=9.9		PKIKP		18 03 40.1 +0.3
ANWB	comp-Z,0.3nm,0.2s,baz=87,slow=6.4,SNR=7.5	114.33 77	PFAKE	LR	18 03 50.0 +8.2
ANWB					
BBGH	comp-Z,590nm,19.0s	115.62 83	PFAKE	LR	18 04 00.0 +16
BBGH					
KSH	comp-Z,2µm,21.0s	116.06 307	PKP		18 03 46.8 +2.1
KSH			PKS		18 04 56.0 +6.3
KSH			AMB		18 07 23.5 +2.0
KSH	comp-Z,580nm,9.7s		LR	LR	
KSH	comp-Z,1µm,19.0s		LR	LR	
KSH	comp-Z,740nm,14.0s		LR	LR	
SFJD	comp-Z,1µm,21.3s	116.73 22	PFAKE	LR	18 04 00.0 +15
SFJD					
KBS	comp-Z,1µm,19.0s	116.74 359	PFAKE	LR	18 04 00.0 +15
KBS					
AAK	comp-Z,482nm,20.0s	117.07 310	PFAKE	LR	18 04 00.0 +13
AAK					
AAK	comp-Z,713nm,20.0s	117.07 310	PKIKP		18 03 46.1 -0.5
AAK			PP		18 04 00.0 +11
NIL	comp-Z,253nm,21.0s	118.26 300	PFAKE	LR	18 04 00.0 +11
NIL					
BVAR	comp-Z,2µm,21.0s	118.44 322	PKP		18 03 49.1 +0.4
BVAR			PKIKP		18 03 49.1 +0.4
BRVK	comp-Z,4.0nm,0.9s	118.50 322	PKP		18 03 48.9 +0.1
BRVK			PKIKP		18 03 48.9 +0.1
BRVK	comp-Z,847nm,20.0s	118.50 322	PKIKP		18 03 49.2 +0.4
BRVK			pmx		18 03 49.2 +0.4
KK31	comp-Z,5.0nm,1.3s	119.95 311	PKP		18 03 51.7 -0.3
KK31			PKIKP		18 03 51.7 -0.3
KKAR	comp-Z,1µm,19.0s	119.95 311	PKP		18 03 51.9 0.0
KKAR			PKIKP		18 03 51.9 0.0
KBL	comp-Z,1µm,20.0s	121.74 301	PKP		18 03 57.0 +1.1
KBL			PKIKP		18 03 57.0 +1.1
ARU	comp-Z,1µm,20.0s	123.88 328	PKP		18 03 57.0 -2.1
ARU			PKIKP		18 05 39.6 -2.8
ARU	comp-Z,1µm,21.0s	123.88 328	PKP		18 03 59.3 +0.3
ARU			PKIKP		18 05 39.8
ARU			PPP		18 08 16.9
ARU			MLR	MLR	18 11 08.2
KEV	comp-Z,2µm,23.0s	124.60 352	PFAKE	LR	18 04 10.0 +10
KEV					
ARAO	comp-Z,2µm,21.0s	125.00 352	PKP		18 04 00.5 -0.4
ARAO			PKIKP		18 04 00.5 -0.4
APA	comp-Z,4.4nm,0.5s,baz=39,slow=3.5,SNR=6.7	125.46 348	PKP		18 04 04.9 +3.1
APA			pmx		18 04 04.9 +3.1
APA	comp-Z,6.0nm,1.1s		MLR	MLR	

ABKAR	comp-Z,1µm,19.0s	125.78 320	PKP		18 04 01.2 -1.7
ABKAR			PKP		18 05 52.5 -2.9
AKTO	comp-Z,4.4nm,0.8s,baz=43,slow=7.7	126.55 322	PKP		18 04 04.8 +0.5
PRGR	comp-Z,1.0nm,1.1s	126.62 338	PKP		18 04 04.3 +0.2
PRGR			pmx		18 04 04.3 +0.2
BORG	comp-Z,232nm,22.0s	127.35 15	PFAKE	LR	18 04 20.0 +15
BORG					
ABPO	comp-Z,475nm,19.0s	127.55 230	PFAKE	LR	18 04 20.0 +13
ABPO					
MSEY	comp-Z,1µm,20.0s	128.01 251	PFAKE	LR	18 04 20.0 +12
MSEY					
KLMR	comp-Z,2µm,20.0s	129.27 340	PKP		18 04 08.6 -0.6
KLMR			pmx		18 04 08.6 -0.6
KLMR	comp-Z,25nm,1.5s		MLR	MLR	
KLMR	comp-Z,1µm,20.0s	129.27 340	PKP		18 04 08.6 -0.6
KLMR			AMP		18 04 22.4
KLMR	comp-Z,25nm,1.5s		LQ	LQ	18 52 43.5
KLMR			LQ	LQ	18 52 43.5
KLMR			LQ	LQ	18 59 23.9
KLMR			AMP		19 01 58.4
GEYT	comp-Z,1µm,19.9s	130.09 307	PKP		18 04 12.5 +0.9
GEYT			PKP		18 04 12.5 +0.9
SUR	comp-Z,0.9nm,0.8s,baz=69,slow=5.0,SNR=4.5	130.39 195	PFAKE	LR	18 04 20.0 +7.4
SUR					
FAIO	comp-Z,3µm,20.0s	132.37 348	PKP		18 04 16.1 +1.1
FAIO			PKIKP		18 04 16.1 +1.1
FINES	comp-Z,1.8nm,0.9s,baz=98,slow=3.1,SNR=7.4	132.37 348	PKP		18 04 16.1 +1.1
FINES			PKIKP		18 04 16.1 +1.1
BOSA	comp-Z,2.9nm,0.8s,baz=180,slow=9.1,SNR=4.0	132.52 202	PKP		18 04 19.7 +3.0
BOSA			PKIKP		18 04 19.7 +3.0
OBN	comp-Z,658nm,20.0s	134.61 337	PFAKE	LR	18 04 30.0 +11
OBN					
OBN	comp-Z,7.0nm,1.0s	134.61 337	PKP		18 04 20.4 +1.0
OBN			PKIKP		18 04 20.4 +1.0
NOA	comp-Z,0.8nm,0.9s,baz=345,slow=1.9,SNR=2.9	134.66 357	PKP		18 04 20.3 +0.9
NOA			PKIKP		18 04 20.3 +0.9
VSU	comp-Z,0.8nm,0.9s,baz=345,slow=1.9,SNR=2.9	134.91 346	PKP		18 04 21.2 +1.3
VSU			PKIKP		18 04 21.2 +1.3
VRH	comp-Z,3.0nm,1.0s	135.08 330	PKP		18 04 20.3 -0.1
VRH			pmx		18 04 20.3 -0.1
HFS	comp-Z,2.1nm,0.9s,baz=256,slow=4.3,SNR=3.2	135.40 355	PKP		18 04 21.3 +0.4
HFS			PKIKP		18 04 21.3 +0.4
MAK	comp-Z,1.05nm,1.0s	136.16 317	PKP		18 04 22.4 -0.3
MAK			pmx		18 07 01.1
MAK			pmx		18 07 01.1
VSR	comp-Z,10.0nm,2.1s	136.28 331	PKP		18 04 22.0 -0.7
VSR			PKIKP		18 04 22.0 -0.7
VSR	comp-Z,1µm,21.0s	136.28 331	PKP		18 04 22.0 -0.7
VSR			PKIKP		18 04 22.0 -0.7
GROC	comp-Z,4.6nm,1.7s	137.18 318	PKP		18 04 23.3 -1.3
GROC			pmx		18 07 11.5
GROC			pmx		18 11 30.2
NCK	comp-Z,0.8nm,0.4s,baz=111,SNR=3.9	138.44 319	PKP		18 04 28.1 +1.1
NCK			PKIKP		18 04 28.1 +1.1
KBZ	comp-Z,0.7nm,0.4s,baz=70,slow=11,SNR=9.9	138.75 320	PKP		18 07 17.6 -1.1
KBZ			PKIKP		18 07 17.6 -1.1
KIV	comp-Z,1µm,22.0s	138.76 320	PFAKE	LR	18 04 40.0 +12
KIV					
KIV	comp-Z,1µm,21.0s	138.76 320	PKP		18 04 29.5 +1.8
KIV			PKIKP		18 07 18.9
KIV			eSS		18 25 32.5 +0.1
KIV			pmx		18 25 32.5 +0.1
KIV	comp-Z,7.0nm,1.1s		MLR	MLR	
NEY	comp-Z,1µm,23.0s	139.11 319	PKP		18 04 28.1 -0.3
NEY			PKIKP		18 04 28.1 -0.3
GURK	comp-Z,913nm,22.0s	139.25 314	PFAKE	LR	18 04 40.0 +11
GURK					
AKH	comp-Z,2µm,19.0s	139.53 317	PKP		18 04 37.4 +8.1
AKH			PKIKP		18 04 40.0 +11
ESK	comp-Z,1µm,19.0s	139.70 9	PFAKE	LR	18 04 28.6 -2.6
ESK					18 10 34.2
SOC	comp-Z,1.0nm,0.5s	140.77 322	PKP		18 04 28.6 -2.6
SOC			PKIKP		18 04 28.6 -2.6
SOC			eSS		18 25 47.4 -8.2
SOC			pmx		18 25 47.4 -8.2
SOC	comp-Z,56nm,21.0s		MLR	MLR	
AKASG	comp-Z,0.6nm,0.5s,baz=35,slow=3.6,SNR=3.9	140.83 338	PKP		18 04 25.8
AKASG			PKIKP		18 04 25.8
AKASG	comp-Z,2.2nm,0.8s,baz=96,slow=3.2,SNR=13	140.83 338	PKP		18 04 25.8
AKASG			PKIKP		18 04 31.7
AKASG	comp-Z,1.0nm,0.5s		pmx	pmx	
AKASG			pmx	pmx	
AKB	comp-Z,3.0nm,0.9s	140.83 338	PKP		18 04 26.4
AKB			PKIKP		18 04 31.0 -0.1
AKB			PKIKP		18 04 31.0 -0.1
KIEV	comp-Z,1µm,21.0s	140.84 338	PKP		18 04 31.0 -0.1
KIEV			PKIKP		18 04 31.0 -0.1
KIEV	comp-Z,1µm,21.0s	140.84 338	PKP		18 04 25.7
KIEV			PKIKP		18 04 31.0
AK11	comp-Z,1µm,21.0s	140.87 338	PKP		18 04 25.1
AK11			PKIKP		18 04 25.1
ANN	comp-Z,1µm,21.0s	141.35 325	PKP		18 04 31.4 +0.2
ANN			PKIKP		18 07 33.9 +1.3
ANN			eSS		18 07 33.9 +1.3
ANN			pmx		18 07 33.9 +1.3
LSZ	comp-Z,16nm,1.0s	142.81 215	PKP		18 04 33.3 -2.5
LSZ			PKIKP		18 04 33.3 -2.5
LSZ	comp-Z,1µm,19.0s	142.81 215	PKP		18 04 33.3 -2.5
LSZ			PKIKP		18 04 33.3 -2.5
SIM	comp-Z,1µm,19.0s	143.03 328	PKP		18 04 32.5 +0.5
SIM			PKIKP		18 07 47.0
SIM	comp-Z,300nm,13.8s		pmx	pmx	
SIM					

Table with columns: CFR, Carculi, 145.71 333, PKPab, 18 04 41.8 +1.3, etc. Lists various stations and their coordinates.

Table with columns: MAMC, Mammari, 149.65 314, P, PKPbc, 18 04 52.9 +1.6, etc. Lists various stations and their coordinates.

Table with columns: CMAR, Chiang Mai Arr, 41.84 284, P, 18 18 16.1 +2.0, etc. Lists various stations and their coordinates.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI, LUWUK, WARRANGUNGA ARR, etc.

ISCJB 18 19:10:49.5:1.4, 47.3N:0.3:152.8E:0.8, h33km, mb3.5/5, Error ellipse: s-maj=87.1km s-min=16.2km az=27.3

MOS 18 19:17:29.9:0.7, 27.88N:51.99E, h22km, mb4.5/42, Error ellipse: s-maj=7.2km s-min=4.7km az=116.0

TEH 18 19:17:29.6:27.92N:51.93E, h10km, ML4.0

NEIC 18 19:17:30.4:0.0, 27.89N:52.03E, h17km, mb4.5/66, MN4.1(TEH), After TEH.

THR 18 19:17:31.6:0.3, 27.97N:52.10E, h37km, 9km, ML4.0

DSN 18 19:17:34.2:0.2, 27.97N:52.10E, h20km, ML4.3/10, Error ellipse: s-maj=30.3km s-min=7.8km az=1.0

OMAN 18 19:17:34.1:0.3, 28.04N:52.21E, h17km, Error ellipse: s-maj=16.2km s-min=5.5km az=39.0

IDD 18 19:17:35.0:2.1, 27.95N:52.01E, h43km, 20km, mb4.0/31, mb1 4.0/38, mb1mx3.9/76, mbtmp4.1/38, ML3.8/6, MS3.6/1, Ms1 3.6/1, ms1mx3.0/68, Error ellipse: s-maj=11.7km s-min=10.2km az=9.0

ISC 18 19:17:29.8:0.8, 27.86N:0.0:03.5197E:0.03, h9km, 5km, n356, s1936/379, mb4.4/113, 20C-4D, Persian Gulf

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GHIR, JHRM, SHI, IKAZ, IPAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ROKH, NEGAR KERMAN, MDH, KHGB, KRBR, HATD, etc.

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

ellipse: s-maj=23.2km s-min=6.4km az=8.0
OMAN 18:19:29.08.1.0.5.27.87N.52.28E.413km, Error ellipse:
s-maj=10.0km s-min=8.5km az=311.0

ISC 18:19:29.04.9.0.8.28.01N.0.05.52.17E.0.107,h15km,n33,
e153/38,mb3.5/9,Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GHIR, JHRM, SHI, IKAZ, IPAR, IRAM, IMEH, BANOM, ASUD, MSFE, HATD, ASHO, ASHO, ASHO, IZEF, ALNE, TABS, WSAR, WSAR, BRTR, MKAR, MKAR, MKAR, MKAR, HFS, NOA, EKA, TORO, KOWA.

ISC 18:19:34.48.9.2.4.2.64N.128.44E,h0km,mb3.3/4,
mb1 3.5/4,mb1mx3.2/54,mbtmp3.3/4, Error ellipse:
s-maj=211.4km s-min=21.9km az=69.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, H11S3, H11S2, H11S1, H11N1, H11N2, H11N3, MKAR, KURBB.

ISC 18:20:05.46.1.2.3.2.69N.128.70E,h0km,mb3.4/5,
mb1 3.5/5,mb1mx3.3/56,mbtmp3.4/4, Error ellipse:
s-maj=192.0km s-min=21.7km az=69.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, KURBB, BVAR.

ISC 18:20:17.08.9.3.5.10.77N.125.98E,h0km,mb3.4/4,
mb1 3.6/4,mb1mx3.3/59,mbtmp3.4/4, Error ellipse:
s-maj=314.6km s-min=21.6km az=66.0, Leyte

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, KURBB.

MAN 18:20:18.46.2.6.47N.124.57E,h16km,mb5.3,ML4.2,MS4.4
ISCJB 18:20:18.47.5.0.5.6.46N.0.04.124.56E.0.04,h37km,27km,
mb3.8/11,MS3.1/1, Error ellipse: s-maj=7.4km
s-min=5.6km az=150.0

ISC 18:20:18.52.9.1.1.6.68N.125.41E,h80km,11km,mb3.6/11,
mb1 3.7/12,mb1mx3.4/59,mbtmp3.9/12,MS3.1/1,
Ms1 3.3/1,ms1mx2.6/51, Error ellipse: s-maj=47.1km
s-min=13.5km az=73.0

ISC 18:20:18.47.1.1.6.652N.104.124.56E.0.04,h23km,12km,
n26,e189/35,mb4.0/11,2C-1D,Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSPH, CTBH, DAV, DDDP, DDDP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BUKP, MATI, PAGZ, ZCP, ZSGP, MSLP, GUM, CUYO, MRSI, BATI, JOW, FITZ, WRA, ASAR, SONM, MKAR, MKAR, ZALV, KURBB, BVAR, BVAR, AKTO, ILAR, HFS.

IDC 18:20:28.31.3.1.8.1.00N.125.03E,h0km,mb3.6/5,
mb1 3.8/5,mb1mx3.4/53,mbtmp3.7/5, Error ellipse:
s-maj=268.6km s-min=20.6km az=65.0, Northern
Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, KURBB, BVAR.

DJA 18:20:50.15.9.0.4.1'S.2:12'0"E,h10km,ML3.7/6,MLv3.7/6,
Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PCI, TTSI, APSI, MRSI, SPSI, BNSI.

IDC 18:20:51.5.1.2.1.2.250S.118.37E,h0km,mb3.4/4,
mb1 3.6/4,mb1mx3.3/57,mbtmp3.4/4,MS3.3/2,Ms1 3.3/2,
ms1mx2.6/38, Error ellipse: s-maj=185.5km
s-min=22.2km az=56.0, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI, WRA, ASAR, HJH, MKAR, KURBB, TORD.

ISCJB 18:21:01.48.5.2.3.6'31S.0:08.148.1E:0:3,h51km,mb3.6/3,
MS3.0/4, Error ellipse: s-maj=41.2km s-min=11.2km
az=175.6

IDC 18:21:01.50.2.4.8.6'39S.148.22E,h58km,33km,mb3.4/3,
mb1 3.7/6,mb1mx3.3/52,mbtmp3.7/6,ML3.6/2,MS3.0/5,
Ms1 3.0/5,ms1mx2.7/33, Error ellipse: s-maj=60.2km
s-min=22.4km az=87.0

ISC 18:21:01.49.5.2.3.63S.0:11.148.2E:0:3,h51km,n10,
e058/0,mb3.8/3,MS3.1/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG, JAY, WRA, ASAR, FITZ, FITZ, JOW, MJAR, PETK, MKAR, TORD.

IDC 18:21:07.17.5.3.4.6.48S.147.26E,h0km,mb3.4/1,
mb1 3.5/3,mb1mx3.2/50,mbtmp3.3/3,ML2.8/1, Error
ellipse: s-maj=92.4km s-min=40.7km az=94.0, Eastern
New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMG, WRA, ASAR, TORD.

AZER 18:21:08.36.9.0.1.38'47N.46'67E,h6km,ml3.2/15, Error
ellipse: s-maj=3.2km s-min=0.3km az=17.0
TEH 18:21:08.39.6.38'41N.46'66E,h9km,ML3.2
ISC 18:21:08.38.8.1.2.38'33N.0:04.46'57E.0:0.3,h5km,11km,
n26,e085/41,9C-18D,Iran-Armenia-Azerbaijan border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ITBZ, IHRH, ORD, ISHB, IMRD, IAZR, IASR, GRMI, NAX, SBZ, LRK, GLBA, ASTR, LKRN, MAKU, HYR, ZRD, GANJ, ZNUK, GDB, QBL, OZX, PIRK, SEKA, DDFL, DGRG.

AZER 18:21:09.38.3.0.1.38'36N.46'56E,h10km,ml3.5/15, Error
ellipse: s-maj=4.0km s-min=0.7km az=25.0
TEH 18:21:09.40.4.38'46N.46'65E,h4km,ML3.2
ISC 18:21:09.38.8.1.3.38'28N.0:04.46'56E.0:2,h2km,11km,
n26,e103/43,15C-13D,Iran-Armenia-Azerbaijan border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ITBZ, IHRH, ISHB, IAZR, IAZR, ORD, IMRD, ISRB, GRMI, NAX, SBZ, LRK, GLBA, ASTR, LKRN, MAKU, HYR, SAAT, ZRD, ZNUK, GANJ, KDMR, GDB, QBL, PIRK, DDFL, DGRG.

ISCJB 18:21:12.57.5.0.6.25'6N.0:2.123'22E:0:10,h20km,16km,
mb3.2/3, Error ellipse: s-maj=35.1km s-min=8.7km
az=159.5

JMA 18:21:13.00.1.0.2.25'46N.123'23E,h201km,4km,ML3.3
IDC 18:21:13.04.9.6.8.27'03N.123'71E,h221km,66km,mb3.1/3,
mb1 3.1/4,mb1mx2.6/67,mbtmp3.6/4, Error ellipse:
s-maj=271.4km s-min=55.9km az=7.0

ISC 18:21:12.57.8.1.0.25'8N.0:3.123'25E:0:11,h198km,19km,
n19,e148/31,mb3.2/3, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ, YON, IRIF, JISG, JISG, JUJ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JKRS Kuro-shima, JKRS Tarama, HATJ Hateruma jima, etc.

18 21.29:22.4.4.4, 2.31N-128.35E, h110km, 32km, mb3.0/4, mb1 3.1/4, mb1mx2.9/6.0, mbtmp3.3/4, Error ellipse: s-maj=173.8km s-min=17.8km az=69.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, H1S13 WAKE ISLAND Hy, etc.

18 21.31:56.3.1.8, 5.78N-123.96E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.3/6.6, mbtmp3.6/4, MS2.3/1, Ms1 2.3/1, ms1mx2.0/5.3, Error ellipse: s-maj=204.5km s-min=21.6km az=64.0, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAV Davao City (W), WRA Warramunga Arr, ASAR Alice Springs, etc.

18 21.32:54.9.0.4, 0.5'23.12'E, h73km, 7km, ML4/111, mb4.2/1, MLV4.0/11, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUWI Luwuk, MRSI Marisa, KMSI Cibirong, etc.

18 21.34:40.3.0.4, 37.24N-0.04:138.69E-0.07, h192km, 3km, mb3.3/10, Error ellipse: s-maj=9.4km s-min=6.8km az=7.5

18 21.34:40.6.0.7, 37.20N-138.76E, h184km, 6km, mb3.3/10, mb1 3.3/15, mb1mx3.1/7.7, mbtmp3.8/15, Error ellipse: s-maj=18.7km s-min=11.9km az=74.0

18 21.34:42.0.2.37, 25N-138.73E, h184km, 2km, M3.1, 18 21.34:41.1.0.7, 37.23N-0.05:138.71E-0.07, h189km, 5km, n35, -0.89/41, mb3.5/10, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHK Hiroka, JJK Izumozaki, JJZ Nakama, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BVAR Borovoye Array, ILAR Eielson Array, WRA Warramunga Arr, etc.

18 21.35:00.3.1.5, 55.70S-28.24W, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.6/5.2, mbtmp3.9/4, ML 4.5/1, Error ellipse: s-maj=75.3km s-min=25.0km az=94.0

18 21.35:03.0.1.4, 55.75S-0.22:18.10W, h1.0km, n8, -0.180/8, mb3.8/3, South Sandw Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, SNA4 Sanae, etc.

18 21.35:22.5.23, 05'S:171.72E, h97km, mb4.7/9, mb5.0/3, ISCJB 18 21.35:25.0.0.3, 22.42S:0.06:171.44E:0.05, h98km, mb4.5/9, Error ellipse: s-maj=9.0km s-min=6.6km az=0.7

18 21.35:25.1.3.6, 22.37S:171.52E, h90km, 2km, mb4.1/17, mb1 4.2/18, mb1mx4.0/7.4, mbtmp4.4/18, MS3.0/5, Ms1 3.0/5, ms1mx2.7/4.2, Error ellipse: s-maj=20.9km s-min=18.6km az=108.0

18 21.35:27.0.1.3, 22.41S:171.48E, h106km, 11km, mb4.6/18, Error ellipse: s-maj=9.4km s-min=7.3km az=195.0

18 21.35:26.2.0.4, 22.39S-0.08:171.49E-0.07, h98km, n85, -0.592/85, mb4.6/39, 1C, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Urewera, RAO Raoul Island, etc.

18 21.37:35.59.6.2, 6.43S:147.13E, h0km, mb3.6/1, mb1 3.7/3, mb1mx3.3/5.0, mbtmp3.5/5, ML0.8/1, Error ellipse: s-maj=87.7km s-min=41.0km az=95.0, Eastern New Guinea region

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

18 21.39:27.0.4.4, 42.77N:146.43E, h0km, mb3.5/4, mb1 3.5/5, mb1mx3.3/7.0, mbtmp3.5/5, ML2.5/1, MS1.7/1, Ms1 1.7/1, ms1mx1.7/6.4, Error ellipse: s-maj=129.5km s-min=49.0km az=8.0

18 21.39:32.2.0.2, 42.74N:146.21E, h45km, 3km, M3.2, MOS 18 21.39:32.0.0.9, 42.69N:146.02E, h38km, mb4.0/2, Error ellipse: s-maj=24.6km s-min=10.3km az=96.6

18 21.39:33.4.1.0, 42.81N:146.16E, h46km, 15km, n35, -0.89/41, mb3.4/4, Error ellipse: s-maj=12.2km s-min=5.6km az=140.6

18 21.39:33.5.0.8, 42.76N:145.95E, h42km, 2km, mb4.3/6, ISC 18 21.39:34.9.1.7, 42.85N:146.13E-0.06, h42km, 15km, n35, -0.89/47, mb3.4/4, 1C-1D, Off southeast coast of Hokkaido

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEM2 Nemuro 2, NEM2 Golovino, GLVR Golovino, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SONM Songoiro Array, SONA1 Songoiro Array, G06A Pilot Kor, etc.

18 21.39:59.6.2, 6.43S:147.13E, h0km, mb3.6/1, mb1 3.7/3, mb1mx3.3/5.0, mbtmp3.5/5, ML0.8/1, Error ellipse: s-maj=87.7km s-min=41.0km az=95.0, Eastern New Guinea region

18 21.39:27.0.4.4, 42.77N:146.43E, h0km, mb3.5/4, mb1 3.5/5, mb1mx3.3/7.0, mbtmp3.5/5, ML2.5/1, MS1.7/1, Ms1 1.7/1, ms1mx1.7/6.4, Error ellipse: s-maj=129.5km s-min=49.0km az=8.0

18 21.39:32.2.0.2, 42.74N:146.21E, h45km, 3km, M3.2, MOS 18 21.39:32.0.0.9, 42.69N:146.02E, h38km, mb4.0/2, Error ellipse: s-maj=24.6km s-min=10.3km az=96.6

18 21.39:33.4.1.0, 42.81N:146.16E, h46km, 15km, n35, -0.89/41, mb3.4/4, Error ellipse: s-maj=12.2km s-min=5.6km az=140.6

18 21.39:33.5.0.8, 42.76N:145.95E, h42km, 2km, mb4.3/6, ISC 18 21.39:34.9.1.7, 42.85N:146.13E-0.06, h42km, 15km, n35, -0.89/47, mb3.4/4, 1C-1D, Off southeast coast of Hokkaido

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

18 21.39:59.6.2, 6.43S:147.13E, h0km, mb3.6/1, mb1 3.7/3, mb1mx3.3/5.0, mbtmp3.5/5, ML0.8/1, Error ellipse: s-maj=87.7km s-min=41.0km az=95.0, Eastern New Guinea region

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

18 21.39:27.0.4.4, 42.77N:146.43E, h0km, mb3.5/4, mb1 3.5/5, mb1mx3.3/7.0, mbtmp3.5/5, ML2.5/1, MS1.7/1, Ms1 1.7/1, ms1mx1.7/6.4, Error ellipse: s-maj=129.5km s-min=49.0km az=8.0

18 21.39:32.2.0.2, 42.74N:146.21E, h45km, 3km, M3.2, MOS 18 21.39:32.0.0.9, 42.69N:146.02E, h38km, mb4.0/2, Error ellipse: s-maj=24.6km s-min=10.3km az=96.6

18 21.39:33.4.1.0, 42.81N:146.16E, h46km, 15km, n35, -0.89/41, mb3.4/4, Error ellipse: s-maj=12.2km s-min=5.6km az=140.6

18 21.39:33.5.0.8, 42.76N:145.95E, h42km, 2km, mb4.3/6, ISC 18 21.39:34.9.1.7, 42.85N:146.13E-0.06, h42km, 15km, n35, -0.89/47, mb3.4/4, 1C-1D, Off southeast coast of Hokkaido

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NEM2 Nemuro 2, NEM2 Golovino, GLVR Golovino, etc.

Table with columns: GRPR, YUK, LAGR, JNK, KUR, JKA, ASAJ, SONMI, H1N1, H1N1, H1N1, H1S1, H1S1, H1S2, MKAR, MKAR, MKAR, MKAR, FINES, etc. Includes station names, codes, and various numerical data points.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like Diego Garcia H, WAKE ISLAND, and WARRAMUNGA ARR.

ISC 18 21:51:38.4-3.1, 10.95N:92.28E, h0km, mb3.3/3, mb1 3.0/4, mb1mx3.3/55, mbtmp3.4/4, ML3.0/1, Error ellipse: s-maj=196.7km s-min=25.2km az=49.0, MSCJ/B 18 21:51:39.4-1.3, 9.80S:0.09-112.9E, 0.1, h36km, mb3.3/3, Error ellipse: s-maj=19.3km s-min=10.7km az=150.3, DJA 18 21:51:44.9-1.0, 9.9S:11.1x11.3E, h10km, M3.8/9, MLV3.8/9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like GUMUKMAS, JAJAG, BANYUWA, PAGERWOJO, SINGARAJA, NGAWI, TALIWANG, FITZROY CROSSI.

Table with columns: FITZ, WRA, ASAR, MKAR, etc. Includes station names and numerical data points.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like FITZROY CROSSI, WARRAMUNGA ARR, ASAR ALICE SPRINGS, MKAR MAKANCHI ARRAY.

ISC 18 22:05:16.6-2.0, 7.09N:123.82E, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.5/62, mbtmp4.1/4, Error ellipse: s-maj=157.9km s-min=23.1km az=66.0, MINDANAO 1.8m, 0.3s, bazz=313, slow=7.9, SNR=2.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like FITZROY CROSSI, WARRAMUNGA ARR, ASAR ALICE SPRINGS, MKAR MAKANCHI ARRAY.

ISC 18 22:08:52.3-3.0, 9.23S:113.12E, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.3/59, mbtmp3.4/4, ML3.0/1, MS2.8/1, Ms1 2.9/1, ms1mx2.3/22, Error ellipse: s-maj=169.7km s-min=26.3km az=47.0, ISJCJB 18 22:08:57.4-0.9, 9.76S:0.06-112.9E, 0.06, h36km, mb3.2/3, MS2.6/1, Error ellipse: s-maj=9.8km s-min=7.5km az=44.9, DJA 18 22:08:57.9-0.6, 10.5S:11.3E, h10km, M3.8/10, MLV3.8/10

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like GUMUKMAS, JAJAG, BANYUWA, PAGERWOJO, BANYUGUGUR, DENPASAR, NGAWI, SINGARAJA, WANAGAMA, FITZROY CROSSI, DAVAO CITY, WARRAMUNGA ARR, ASAR ALICE SPRINGS, H08S2 DIEGO GARCIA H, H08S3 DIEGO GARCIA H, H08S1 DIEGO GARCIA H, MKAR MAKANCHI ARRAY.

ISCJCB 18 22:10:52.8-0.4, 41.05S:0.07-91.5W, 0.1, h10km, mb4.6/65, MS3.8/17, Error ellipse: s-maj=12.7km s-min=10.0km az=12.5, IDC 18 22:10:52.5-0.6, 41.12S:91.65W, h0km, mb4.3/15, mb1 4.4/15, mb1mx4.3/39, mbtmp4.3/15, MS3.7/17, Ms1 3.7/17, ms1mx3.5/34, Error ellipse: s-maj=29.4km s-min=14.3km az=97.0, NEIC 18 22:10:55.0-0.4, 41.10S:92.09W, h10km, mb4.6/56, Error ellipse: s-maj=11.5km s-min=9.4km az=216.0, ISC 18 22:10:54.6-0.5, 41.09S:0.09-91.90W, 0.09, h10km, n172, c137/159, mb4.6/65, MS3.8/17, Southeast of Easter Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like GO06 CURARUEHE, PLCA PASO FLORES, GO05 HUALAEO, ROC1 RAPA NUI, TRQA TUNQUIST, NNA NANA, CPUP VILLA FLORIDA, CPUP SANTA HELENA, LPAZ LA PAZ, LPAZ LA PAZ, ATAH ATAHUALPA, SAML SAMUEL, OTAV OTAVIO, BDFB BRASILIA, BDFB BRASILIA, ROSC EL ROSAL, ROSC EL ROSAL, ROSC EL ROSAL, GSPA SOUTH POLE QUI, HELC SANTA HELENA, PTGA PITINGA, PTGA PITINGA, PTGA PITINGA, RUSC LA RUSIA, TBI TUBUAI, BCNP ISLA BARRO COI, BCNP SANAE, JTS JONAS ABANGARE, JTS JONAS ABANGARE, JTS JONAS ABANGARE, SBA SCOTT BASE, Vnda Vanda, Vnda Vanda, Vnda Vanda, PPT2 Papeete, PPT2 Papeete, PPT Papeete, PCRV PUERTO LA CRUZ.

ISC 18 21:41:39.3-8.1, 10.95N:92.28E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.1/67, mbtmp3.3/3, MS3.4/1, Ms1 3.4/1, ms1mx2.4/36, Error ellipse: s-maj=23.7km s-min=28.0km az=60.0, ANDAMAN ISLANDS REGION

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like H08S3 DIEGO GARCIA H, H08S2 DIEGO GARCIA H, H08S1 DIEGO GARCIA H, MKAR MAKANCHI ARRAY, JAY YAPURA, WRA WARRAMUNGA ARR, ASAR ALICE SPRINGS.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like GMJI GUMUKMAS, JAJAG JAJAG, BLJI BANYUGUGUR, PWJI PAGERWOJO, SRBI SINGARAJA, NGWI NGAWI, TWSI TALIWANG, FITZ FITZROY CROSSI.

Table with columns: RAR RAROTONGA, TEIG TEPICH, SJG SAN JUAN, MTP MONTE PIRATA, HPIG HAWAII, MAW MAWSON, TXAR TUCSON, TX31 LAJITAS AR SI, AFI AFIAMALU, 319A DOUGLAS, Y54A THYMEL, TUC TUCSON, TUC TUCSON, 214A ORGAN PIPE NACH, X39A FOUNTAIN RANCH, MIAR MOUNT IDA, MSTX MULESHOE, MSTX MULESHOE, X50B FORT PAYNE, X49A WOODLIE, X51A CALHOUN, X53A ESTANOLLEE, X52A DAHLOEAGA, WMOK WICHITA MOUNTA, V14 GARY MAVITY, W39A MAGAZINE, AMTX AMARILLO, AMTX AMARILLO, W53A CULWEE, CPCT COOPER CAVE, V40A WYHILL SPRINGS, V46A HOLLADAY, V48A SMITH BROTHERS, V47A NUNNELLY, V49A MCLINNVILLE, TKL TUCKALEECHIE C, ANMO ALBUQUERQUE, ANMO ALBUQUERQUE, ANMO ALBUQUERQUE, TASL SNAKE PIT, ALB, TASM ASL PAD, ALBU, V53A SALUDA, U40A YLLEVILLE, U39A GREEN FOREST, U47A CLARKSVILLE, U50A JAMESTOWN, U49A RED BOILING SP, U52A THORN HILL, U53A FALL BRANCH, TZTN TAZEWELL, T42A VAN BUREN, T42A VAN BUREN, T41A MOUNTAIN VIEW, T38A DIAMOND, T46A PRINCETON, T48A BOWLING GREEN, S41A JILCO FARMS, WUAZ WUPATKI, S38A STOCKTON, W13A HUALAPAI MOUNT, S24A CALEDONIA, GMRC GRANITE MOUNTA, S51A BEATYVILLE, CCM CATHEDRAL CAVE, CCM CATHEDRAL CAVE, R41A ROSEBUD, R39A CHUMBY, STOVER, WCI WYANDOTTE CAVE, R47A WOOLY KNOT FAR, TUQU TURQUOISE MOUN, U15A NORTH RIM, MVCO MESA VERDE, SDCO GREAT SAND DUN, SDCO GREAT SAND DUN, S22A 4UR RANCH, CRE, S22A 4UR RANCH, CRE, Q43A NEW DOUGLAS, Q45A WARREN HARVEY, Q40A LUX FARM, AUX, PV01 PARADOX VALLEY, P38A RADIUM, PV13 RADIUM Mtn., P, PV02 PARADOX VALLEY, PV18 SKIN MESA, PA, PV12 SAUCER BASIN, CCUT CEDAR CITY.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes station names like RAROTONGA, TEPICH, SAN JUAN, MONTE PIRATA, HAWAII, MAWSON, TUCSON, LAJITAS AR SI, AFIAMALU, DOUGLAS, THYMEL, TUCSON, ORGAN PIPE NACH, FOUNTAIN RANCH, MOUNT IDA, MULESHOE, FORT PAYNE, WOODLIE, CALHOUN, ESTANOLLEE, DAHLOEAGA, WICHITA MOUNTA, GARY MAVITY, MAGAZINE, AMARILLO, AMARILLO, CULWEE, COOPER CAVE, WYHILL SPRINGS, HOLLADAY, SMITH BROTHERS, NUNNELLY, MCLINNVILLE, TUCKALEECHIE C, ALBUQUERQUE, ALBUQUERQUE, ALBUQUERQUE, SNAKE PIT, ALB, ASL PAD, ALBU, SALUDA, YLLEVILLE, GREEN FOREST, CLARKSVILLE, JAMESTOWN, RED BOILING SP, THORN HILL, FALL BRANCH, TAZEWELL, VAN BUREN, VAN BUREN, MOUNTAIN VIEW, DIAMOND, PRINCETON, BOWLING GREEN, JILCO FARMS, WUPATKI, STOCKTON, HUALAPAI MOUNT, CALEDONIA, GRANITE MOUNTA, BEATYVILLE, CATHEDRAL CAVE, CATHEDRAL CAVE, ROSEBUD, CHUMBY, STOVER, WYANDOTTE CAVE, WOOLY KNOT FAR, TURQUOISE MOUN, NORTH RIM, MESA VERDE, GREAT SAND DUN, GREAT SAND DUN, 4UR RANCH, CRE, 4UR RANCH, CRE, NEW DOUGLAS, WARREN HARVEY, LUX FARM, AUX, PARADOX VALLEY, RADIUM, RADIUM Mtn., PARADOX VALLEY, SKIN MESA, PA, SAUCER BASIN, CEDAR CITY.

19d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PV23 Carpenter Ridge, SMCO Snowmass, 048A Farmland, ISCO Idaho Springs, N39A Derby Farms, SRU San Rafael Swe, etc.

MEX 18 22:11.21.1.0, 15.35N-94.76W, h16km, 19km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulo, PCIG, TGIG, CGIG, CCGIG.

ISCJB 18 22:15.31.9.1.5, 14.74S, 0.09, 166.8E, 0.2, h67km, mb3.7/3, Error ellipse: s-maj=27.8km s-min=12.3km az=171.2

ISC 18 22:15.31.9.7.0, 14.64S, 166.86E, h49km, 69km, mb3.6/4, mb1.4/0.5, mb1mx3.5/49, mbtmp4.0/5, ML4.1/1, MS3.1/1, Ms1.3/1.1, ms1mx2.4/42, Error ellipse: s-maj=55.4km s-min=30.3km az=171.0

ISC 18 22:15.33.6.1.2, 14.77S, 0.1, 166.9E, 0.2, h67km, n8, 4938.0, mb3.6/3, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM, DZM, CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, ARCES ARCES Array B, FINES FINES Array B, KEST Kest.

ISCJB 18 22:32.15.4.0.7, 1.18S, 0.06, 120.05E, 0.08, h10km, mb3.3/3, Error ellipse: s-maj=12.0km s-min=8.5km az=177.6

ISC 18 22:32.16.6.2.4, 0.17S, 122.21E, h0km, mb3.4/3, mb1.3/3, mb1mx3.2/59, mbtmp3.4/3, Error ellipse:

19d AUG

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCI Palu, MPPI Mapaga, APSI Ampama, TTSI Tana Toraja, MRSI Marisa, LUWI Luwuk, SPSI Sidrap Palu, BNSI Bone, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoro Array, NNC 18 22:43.21.6.5.2, 37.45N, 71.28E, h114km, 146km, mb2.8, mpv3.5, 3C-4D, Error ellipse: s-maj=63.3km s-min=42.0km az=99.0, Afghanistan-Tajikistan border, SFK Sufi-Kurgan, SFK, MNAS Manas, KK31 Karatay Array, KK31, AAK Ala-Archa, AAK, IDC 18 22:55.27.7.5.2, 11.74S, 170.86E, h0km, mb3.9/3, mb1.4/2.3, mb1mx3.6/50, mbtmp3.9/3, Error ellipse: s-maj=253.6km s-min=32.6km az=139.0, Santa Cruz Islands region, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, IDC 18 22:55.42.5.2.3, 1.59N, 126.26E, h0km, mb3.3/4, mb1.3/5.4, mb1mx3.2/59, mbtmp3.3/4, MS2.7/2, Ms1.2/7.2, ms1mx2.4/29, Error ellipse: s-maj=261.4km s-min=22.4km az=66.0, Northern Molucca Sea, DAV Davao City (W), FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURB Kurchatov Arr, ISCJB 18 23:30.14.1.0.5, 43.86N, 0.04, 105.32W, 0.05, h0km, mb4.1/3, Error ellipse: s-maj=6.3km s-min=4.7km, NEIC 18 23:30.16.0.0.6, 43.79N, 105.29W, h0km, ML3.1, Error ellipse: s-maj=11.5km s-min=6.3km az=149.0, Suspected Mining explosion, NEIC 58 km [36 miles] SSE of Gillette, IDC 18 23:30.16.4.0.8, 44.03N, 105.70W, h0km, mb3.9/3, mb1.3/8.8, mb1mx3.5/74, mbtmp3.6/8, ML3.4/4, Error ellipse: s-maj=23.1km s-min=8.4km az=148.0, ISC 18 23:30.15.4.0.7, 43.82N, 0.05, 105.30W, 0.04, h0km, n16, 41533.26, mb4.0/3, Wyoming, RSDS Black Hills, BW06 Boulder Array, PDAR Pinedale Array, PDAR, OGNE Ogallala, OGNE, OGNE, OGNE, ISCO Idaho Springs, ISCO, OGNE, SDCO Great Sand Dun, SDCO, ECSD EROS Data Cent, ECSD, ECSD, ECSD, ULM Lac du Bonnet, WUAZ Wupatki, NVAR Mina Array, YBH Yreka Blue Hor, TXAR Lajitas Array, ARCES ARCES Array B, MKAR Makanchi Array, NWAO Narogin (SRO), ISCJB 18 23:40.00.9.0.5, 8.34S, 0.05, 118.53E, 0.07, h10km, mb4.2/16, MS3.1/1, Error ellipse: s-maj=10.1km s-min=6.7km az=158.0, IDC 18 23:40.00.5.0.9, 8.36S, 118.28E, h0km, mb3.8/4, mb1.4/1.7, mb1mx3.7/59, mbtmp3.9/7, ML4.2/3, MS3.0/3, Ms1.3/0.3, ms1mx2.6/56, Error ellipse: s-maj=55.1km s-min=12.6km az=49.0, DJA 18 23:40.04.9.0.3, 8.3S, 111.9E, h10km, M4.3/10, MLV4.3/10, NEIC 18 23:40.05.4.0.4, 8.37S, 118.34E, h35km, mb4.1/11, Error ellipse: s-maj=11.8km s-min=7.5km az=224.0, ISC 18 23:40.02.7.0.5, 8.22S, 0.05, 118.62E, 0.04, h10km, n35, 4279.38, mb4.0/16, Sumbawa region, PLAI Plampang, PLAI, TWSI Taliwang, TWSI, EDFI Ende, Flores, BKSJ Bulukumba, IGBI Denpasar, BNSI Bone, SPSI Sidrap Palu, TTSI Tana Toraja, BATI Bati, BATI, BATI, BATI, MBWA Marble Bar, WRA Warramunga Arr, WRA, WRAB Tennant Creek, ASAR Alice Springs, ASAR, COCO West Island, NWAO Narogin (SRO), PMG Por Moresby, CTAO Charters Tower, CHTO Kurchatov Arr, GUMO Guam, PALK Palkeke, HNR Honiara, KRSR Korea Array, ULN Ulanbaatar, MKAR Makanchi Array, KURB Kurchatov Arr, KURK Kurchatov, ZALV Zalesovo Beam, SBA Scott Base, QSPA South Pole Qui, LSZ, TORD Torod Ar. Bea, CPUP Villa Florida, ISCJB 18 23:43.44.4.0.5, 0.65N, 0.07, 128.82E, 0.05, h10km, mb4.2/14, MS3.0/2, Error ellipse: s-maj=10.2km s-min=6.7km az=31.9, IDC 18 23:43.44.9.0.9, 0.69N, 128.90E, h0km, mb4.0/6, mb1.4/2.7, mb1mx3.7/53, mbtmp4.0/7, ML3.6/1, MS3.2/3, Ms1.2/3.2, ms1mx2.6/52, Error ellipse: s-maj=35.6km s-min=16.4km az=31.9, DJA 18 23:43.47.1.0.5, 0.8N, 121.9E, h10km, M4.1/7, mb4.7/1, mb4.5/2, MLV3.9/7, Mw(MB)3.9/1, NEIC 18 23:43.49.5.0.5, 0.65N, 128.99E, h35km, mb4.3/7, Error ellipse: s-maj=17.1km s-min=8.3km az=79.0, ISC 18 23:43.46.2.0.7, 0.62N, 128.88E, 0.07, h10km, n25, 41533.22, mb4.3/14, Halmahera, TNTI Ternate, LBMI Labuha, SIJU Sorong, SIJU, SIJU, KMSI Cibinong, LUWI Luwuk, MRSI Marisa, APSI Ampama, WRAB Tennant Creek, WRA Warramunga Arr, MBWA Marble Bar, ASAR Alice Springs, MDSI Maura Dua, JNU Naktasue, JHU Hachijo jima, COCO West Island, CMAR Chiang Mai Arr, MJAR Matsushiro Arr, MAJO Matsushiro, LSA Lhasa, TAU Tasmania Ulver, MA2 Magadan, MKAR Makanchi Array, KURB Kurchatov Arr, KURK Kurchatov, QSPA South Pole Qui, MEX 18 23:44:07.9.0.6, 19.12N, 104.81W, h16km, 17km, MD3.7, Near coast of Jalisco, CJM Chamela, R15V, EZ5V, DJA 19 00:28.6.0.3, 1.2S, 120.0E, h10km, M3.8/8, MLV3.8/8, PCI Palu, PCI, MPPI Mapaga, APSI Ampama, TTSI Tana Toraja, MRSI Marisa, MRSI, SPSI Sidrap Palu, LUWI Luwuk, LUWI, BNSI Bone, KDI Kendari

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BKSJ Bulukumba, IGBI Denpasar, BNSI Bone, SPSI Sidrap Palu, TTSI Tana Toraja, BATI Bati, BATI, BATI, BATI, MBWA Marble Bar, WRA Warramunga Arr, WRA, WRAB Tennant Creek, ASAR Alice Springs, ASAR, COCO West Island, NWAO Narogin (SRO), PMG Por Moresby, CTAO Charters Tower, CHTO Kurchatov Arr, GUMO Guam, PALK Palkeke, HNR Honiara, KRSR Korea Array, ULN Ulanbaatar, MKAR Makanchi Array, KURB Kurchatov Arr, KURK Kurchatov, ZALV Zalesovo Beam, SBA Scott Base, QSPA South Pole Qui, LSZ, TORD Torod Ar. Bea, CPUP Villa Florida, ISCJB 18 23:43.44.4.0.5, 0.65N, 0.07, 128.82E, 0.05, h10km, mb4.2/14, MS3.0/2, Error ellipse: s-maj=10.2km s-min=6.7km az=31.9, IDC 18 23:43.44.9.0.9, 0.69N, 128.90E, h0km, mb4.0/6, mb1.4/2.7, mb1mx3.7/53, mbtmp4.0/7, ML3.6/1, MS3.2/3, Ms1.2/3.2, ms1mx2.6/52, Error ellipse: s-maj=35.6km s-min=16.4km az=31.9, DJA 18 23:43.47.1.0.5, 0.8N, 121.9E, h10km, M4.1/7, mb4.7/1, mb4.5/2, MLV3.9/7, Mw(MB)3.9/1, NEIC 18 23:43.49.5.0.5, 0.65N, 128.99E, h35km, mb4.3/7, Error ellipse: s-maj=17.1km s-min=8.3km az=79.0, ISC 18 23:43.46.2.0.7, 0.62N, 128.88E, 0.07, h10km, n25, 41533.22, mb4.3/14, Halmahera, TNTI Ternate, LBMI Labuha, SIJU Sorong, SIJU, SIJU, KMSI Cibinong, LUWI Luwuk, MRSI Marisa, APSI Ampama, WRAB Tennant Creek, WRA Warramunga Arr, MBWA Marble Bar, ASAR Alice Springs, MDSI Maura Dua, JNU Naktasue, JHU Hachijo jima, COCO West Island, CMAR Chiang Mai Arr, MJAR Matsushiro Arr, MAJO Matsushiro, LSA Lhasa, TAU Tasmania Ulver, MA2 Magadan, MKAR Makanchi Array, KURB Kurchatov Arr, KURK Kurchatov, QSPA South Pole Qui, MEX 18 23:44:07.9.0.6, 19.12N, 104.81W, h16km, 17km, MD3.7, Near coast of Jalisco, CJM Chamela, R15V, EZ5V, DJA 19 00:28.6.0.3, 1.2S, 120.0E, h10km, M3.8/8, MLV3.8/8, PCI Palu, PCI, MPPI Mapaga, APSI Ampama, TTSI Tana Toraja, MRSI Marisa, MRSI, SPSI Sidrap Palu, LUWI Luwuk, LUWI, BNSI Bone, KDI Kendari

19d 1h

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like R11A, CWC, K22A, NLU, etc.

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Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like 256A, 251A, 249A, etc.

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Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like IAZR, GRMI, GERM, etc.

Table with columns for station name, coordinates, and time. Includes stations like BTLR, EPOS, SVAN, ERZM, IKOM, DAGI, MAK, ARTV, HSAM, LACR, BNGB, GROG, ONI, MARD, BINT, YEDI, BORI, DIGR, KORR, MAZI, ARNR, IKFM, IDMV, STDR, NCK, NEY, IFIR, PTK, KBZ, KIV, URFA, ESPY, GAZ, SVSK, GEYT, GYA0B, GYA0A, ASHT, ANN, ASF, BRTR, MMAI, VRH, VORD, VSR, AB31, OBKA, MOA, PRU, KURB, KURK, KBA, GEAO, GE2C, GERES, ARS, GERES, KHC, BRG, BRG, ABTA, FINES, BURAR, BURAR, KBL, KBL, KK31, KK31.

Table with columns for station name, coordinates, and time. Includes stations like KK31, KKAR, KKAR, CJKR, HERR, BMR, DRGR, DRGR, FNA, ARU, ARU, ARU, MDVR, BZS, TRPA, UZH, UZH, UZH, SVR, SVR, SVR, PSZ, PSZ, PSZ, PSZ, BRVK, BRVK, BRVK, BVA0, BVA0, BVAR, NLR, NLR, NLR, OJC, OJC, VYHS, VYHS, BLY, KLMR, KLMR, KLMR, PRGR, PRGR, JAVC, TIP, MODS, MODS, MODS, MODS, MORC, MORC, MORC, MORC, VSR, VSR, CUC, DAMY, VRAC, VRAC, VRAC, KRUC, CONA, ARSA, DPC, DPC, SOKA, OBKA, MOA, PRU, PRU, KURB, KURK, KURK, KBA, GEAO, GE2C, GERES, GERES, ARS, GERES, KHC, BRG, BRG, ABTA, FINES, FINES, FINES, WET, WET, WET.

Table with columns for station name, coordinates, and time. Includes stations like CLL, CLL, CLL, CLL, WTTA, WATA, WATA, MOT, MKAR, MKAR, MKAR, MKAR, MK01, MKAR, MKAR, RETA, GRFO, GRFO, GRFO, FUORN, DAVOX, DAVOX, DAVOX, DAVA, TUE, TUE, SENIS, HFS, ZALV, LPL, LPL, BNI, BNI, BNI, DGZ, DGZ, WMQ, NO2, NO2, NO2, NOA, NOA, NOA, VIVF, VIVF, SSF, SSF, MFF, MFF, EKA, ESK, ESK, TAM, TAM, TAM, ES19, ES19, ES19, ULN, ULN, ULN, BORG, TOAO, TOAO, TOAO, KMI, KMI, HHC, HHC, HHC, CHTO, CHTO, CHTO, CMAR, CMAR, HIA, HIA, HIA, USRK, MSHR, KSAR, KSAR, KSRS, KSRS, ILAR, ILAR, ILAR, YKA, YKA, YKA, ULM, ULM, ULM, ROM 19 02:00:51.4+0.1,44:378N:0:007x11:070E:0:006, h77:ML1:79, Northern Italy.

19d 6h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TPNV Topopah Spring, ULM Lac du Bonnet, RSDS Black Hills, KMI Kunning, N23A Red Feather La, etc.

IDC 19 05:03:02.7.8.37'68N:72'39E,h213km,48km,mb3.2/5, mb1 3.3/9,mb1mx2.6/4,mbtmp3.9/9, Error ellipse: s-maj=176.3km s-min=33.2km az=177.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ULHL Ulahol, KK31 Karatay Array, TKM2 Tokmak 2, etc.

ISCJB 19 05:17:52.2.0.7.1'23S:0'06.120'09E:0'09,h10km, mb3.3/3, Error ellipse: s-maj=13.5km s-min=8.4km az=175.9

IDC 19 05:17:52.2.2.2.0'45N:123'45E,h0km,mb3.4/3, mb1 3.6/3,mb1mx3.6/0,mbtmp3.4/3, Error ellipse: s-maj=429.4km s-min=26.8km az=62.0

DJA 19 05:17:52.7.0.7.1'S:4'12'0E, h11km,8km,M3.7/7, MLV3.7/7

ISC 19 05:17:53.0.1.0.1'19S:0'06.120'05E:0'09,h10km,n10, a=197'10,mb3.5/3,Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PCI Palu, MPXI Mapaga, APCI Ampapa, etc.

KRSC 19 05:26:16.6.0.9.5474N:164'17E,h53km,22km,ML3.5, Khandorodsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKI Bering, KBTR Krutoberegovo, ZLN Zelenaya, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BNSI Bone, VHO Vista Hermosa, OXBJ Oaxaca, etc.

MEX 19 06:12:34.9:0.5,16:63N:97:10W,h46km,15km,MD3.5, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VHO Vista Hermosa, OXBJ Oaxaca, PINTEP Pinotepa, etc.

ISCJB 19 06:36:18.1:0.3,35:91N:0'03:82'54E:0'08,h10km, mb3.9/12,MS3.2/2, Error ellipse: s-maj=9.8km

IDC 19 06:36:18.2:0.7,35:78N:82'50E,h0km,mb3.9/12, mb1 4.1/18,mb1mx3.8/70,mbtmp3.8/70,ML3.5/6,MS3.0/4, Ms1 3.1/4,ms1mx2.6/64, Error ellipse: s-maj=22.0km s-min=13.4km az=40.0

NEIC 19 06:36:19.9:0.5,35:83N:82'50E,h10km,mb4.6/1, Error ellipse: s-maj=9.9km s-min=8.5km az=47.0

BUJ 19 06:36:21.6:35:92N:82'43E,h7km,mb4.0/2,mbA.0/1, ML4.0/5,MS3.9/2,Ms7 3.8/1

NNC 19 06:36:22.9:3.0,36:11N:83'01E,h15km,18km,mb4.5, mp4.5, Error ellipse: s-maj=27.9km s-min=18.0km az=71.0

ISC 19 06:36:20.1:0.6,35:91N:0'06:82'51E:0'08,h10km,n41, a=131/40,mb3.9/12,7C-12D,Kizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDGK Podgornoye, PYUN Piuthan, NIL Nilore, KOLD Koldanda, etc.

K22A	Casper	16.42 100	ePn	P	08 11 26.4	-1.6
K22A	Casper	16.42 100	P	P	08 11 26.1	-1.9
MURC	Murrieta	16.52 144	P	P	08 11 27.3	-1.7
O20A	White River Ci	16.54 110	ePn	P	08 11 27.3	-2.0
O20A	White River Ci	16.54 110	P	P	08 11 27.3	-2.0
U15A	North Rim	16.54 127	ePn	P	08 11 28.4	-1.1
SC12	San Clemente I	16.56 149	P	P	08 11 30.0	+0.6
FID	Port Fidalgo	16.65 328	ePn	Pn	08 11 27.7	0.0
BELC	Belle Mtn. Jos	16.67 140	P	P	08 11 30.9	+0.2
DIV	Divide	16.68 330	P	Pn	08 11 27.5	-0.6
DIV	Divide	16.68 330	ePn	P	08 11 28.6	-2.0
W13A	Hualapai Mount	16.74 133	ePn	P	08 11 30.9	-0.7
PFO	Pinyon Flats O	16.81 142	ePn	P	08 11 31.6	-0.6
PFO	Pinyon Flats O	16.81 142	ePn	P	08 11 31.7	-0.6
PFO	Pinyon Flats O	16.81 142	P	P	08 11 32.2	-0.1
XPFO	Pison Flat	16.81 142	ePn	P	08 11 31.4	-0.9
FRD	Ford Ranch, An	16.85 143	P	P	08 11 32.7	0.0
YKA	Yellowknife Ar	16.86 23	Pn	Pn	08 11 28.2	-2.2
YKBS	Yellowknife Ar	16.86 23	ePn	Pn	08 11 28.4	-2.0
YKWI	Yellowknife Ar	16.89 23	P	P	08 11 29.9	-0.8
IRM	Iron Mountain	16.91 138	P	P	08 11 33.0	-0.3
YKW3	Yellowknife Ar	16.91 23	P	P	08 11 28.3	-2.7
YKW3	Yellowknife Ar	16.91 23	ePn	Pn	08 11 29.4	-1.6
PV09	Paradox Valley	16.95 116	ePn	Pn	08 11 33.4	-0.6
GLI	Glacier Island	16.96 328	ePn	P	08 11 30.0	-1.2
KLU	Klutina	16.99 331	ePn	P	08 11 32.7	-1.4
PV21	Cone Mtn., Par	17.01 115	ePn	P	08 11 33.7	-0.9
PV23	Carpenter Ridg	17.05 115	ePn	P	08 11 34.6	-0.6
PV10	Paradox Valley	17.09 116	ePn	P	08 11 35.8	+0.3
PV14	Lion Creek, Pa	17.10 116	ePn	P	08 11 34.9	-0.7
PV22	Blue Mesa, Par	17.14 115	ePn	P	08 11 35.2	-0.8
PV20	West Nyswonger	17.15 116	ePn	P	08 11 35.7	-0.5
PV19	Morning Glory	17.16 116	ePn	P	08 11 35.5	-0.7
109C	Camp Elliot, M	17.18 145	P	P	08 11 37.3	+1.0
CPE	Camp Elliot	17.18 145	ePn	P	08 11 36.7	+0.5
PV17	East Wray Mesa	17.20 116	ePn	P	08 11 36.1	-0.5
BC3	Big Chuckcawall	17.20 140	P	P	08 11 37.2	+0.6
PV16	Nyswonger Mesa	17.20 116	ePn	P	08 11 36.2	-0.5
PV11	David Mesa, Pa	17.24 116	ePn	P	08 11 36.7	-0.3
PV05	Paradox Valley	17.24 117	ePn	P	08 11 36.9	-0.2
PV18	Skein Mesa, Pa	17.25 116	ePn	P	08 11 36.4	-0.9
PMDCI	Parker Dam, Lak	17.26 135	P	P	08 11 37.7	+0.7
PV12	Saucer Basin,	17.27 115	ePn	P	08 11 37.3	-0.1
PV03	Paradox Valley	17.28 116	ePn	P	08 11 37.2	-0.4
PV13	Radius Mtn., P	17.36 116	ePn	P	08 11 38.0	-0.4
PV02	Paradox Valley	17.38 116	ePn	P	08 11 38.4	-0.3
MONP2	Monument Peak	17.45 143	P	P	08 11 39.6	+0.2
DAWY	Dawson	17.46 344	ePn	P	08 11 39.0	-0.2
PV01	Paradox Valley	17.52 116	ePn	Pn	08 11 40.4	+0.1
RSSD	Black Hills	17.52 93	ePn	P	08 11 38.3	-0.8
RSSD	Black Hills	17.52 93	eP	Pn	08 11 38.3	-0.8
RSSD	Black Hills	17.52 93	P	Pn	08 11 38.0	-1.1
BAR	Barrett	17.53 144	ePn	P	08 11 40.8	+0.6
KDAK	Kodiak Island	17.56 314	P	Pn	08 11 38.8	-0.3
KDAK	Kodiak Island	17.56 314	ePn	LR	08 11 36.8	-0.3
KDAK	Kodiak Island	17.56 314	eP	P	08 11 40.4	+0.2
KDAK	Kodiak Island	17.56 314	eP	Pmax	08 11 40.4	+0.2
N23A	Red Feather La	17.62 104	ePn	P	08 11 40.8	-0.6
N23A	Red Feather La	17.62 104	P	P	08 11 41.0	-0.5
SHW3	Sam W. Stewart	17.66 142	P	P	08 11 42.5	+1.0
OHAK	Old Harbor	17.68 312	ePn	Pn	08 11 38.5	-2.1
SCM	Sheep Creek Mo	17.70 330	ePn	P	08 11 41.6	-0.3
SCM	Sheep Creek Mo	17.70 330	eP	P	08 11 41.7	-0.3
SCM	Sheep Creek Mo	17.70 330	eP	Pmax	08 11 41.7	-0.3
WUAZ	Wupatki	17.72 127	ePn	P	08 11 43.5	+1.1
WUAZ	Wupatki	17.72 127	P	P	08 11 43.1	+0.7
PHWY	Pilot Hill	17.74 102	ePn	P	08 11 42.2	-0.5
BRLK	Bradley Lake	17.75 321	ePn	P	08 11 42.6	+0.1
CNPM	China Poot	17.77 320	ePn	P	08 11 41.5	-1.2
IKP	In-Ko-ah, Jac	17.79 143	P	P	08 11 45.1	+2.1
SMCO	Snowmass	17.89 110	ePn	P	08 11 44.0	-0.5
PAX	Paxson	17.97 335	eP	P	08 11 45.7	+0.8
PAX	Paxson	17.97 335	P	P	08 11 45.7	+0.8
GLA	Glamis	17.98 139	ePn	P	08 11 46.5	+1.3
GLA	Glamis	17.98 139	eP	P	08 11 46.5	+1.3
GLA	Glamis	17.98 139	eP	Pmax	08 11 46.5	+1.3
GLA	Glamis	17.98 139	P	P	08 11 47.1	+1.9
SML	Sawmill	18.03 329	ePn	P	08 11 44.9	-0.6
SML	Sawmill	18.03 329	eP	P	08 11 44.9	-0.6
SML	Sawmill	18.03 329	eP	Pmax	08 11 44.9	-0.6
RC01	Rabbit Creek A	18.07 326	ePn	P	08 11 45.6	-0.2
Y14A	Wickenburg	18.10 134	ePn	P	08 11 46.5	0.0
FFC	Flin Flon	18.12 57	ePn	P	08 11 44.9	-1.6
FFC	Flin Flon	18.12 57	eP	P	08 11 44.9	-1.6
FFC	Flin Flon	18.12 57	eP	Pmax	08 11 44.9	-1.6
MVCO	Mesa Verde	18.16 118	ePn	P	08 11 47.8	+0.4
MVCO	Mesa Verde	18.16 118	P	P	08 11 48.0	+0.6
PMR	Palmer	18.17 328	ePn	P	08 11 46.5	-0.4
PMR	Palmer	18.17 328	ePn	S	08 15 31.1	+1.6

PMR	Palmer	18.17 328	eP	P	08 11 46.5	-0.4
PMR	Palmer	18.17 328	eP	Pmax	08 11 46.5	-0.4
GRO	Glory Hole Cre	18.21 328	ePn	P	08 11 47.3	-0.2
SHK	Sand Creek	18.38 338	eP	P	08 11 50.3	+0.8
RIDG	Independen't Rid	18.41 337	eP	P	08 11 50.4	+0.7
ISCO	Idaho Springs	18.41 107	ePn	P	08 11 50.8	+0.6
ISCO	Idaho Springs	18.41 107	eP	P	08 11 50.8	+0.6
ISCO	Idaho Springs	18.41 107	P	Pmax	08 11 50.9	+0.8
EGAK	Eagle	18.44 343	ePn	Pn	08 11 50.0	+0.1
X16A	Lo Mia Camp, P	18.52 129	eP	Pn	08 11 52.9	+1.6
DHY	Denali Highway	18.62 333	eP	P	08 11 53.1	+0.8
SUA	Susitna One	18.68 326	eP	Pn	08 11 53.3	+0.2
113A	Mohawk Valley,	18.70 137	eP	Pn	08 11 55.4	+2.1
S22A	4UR Ranch, Cre	18.84 114	eP	P	08 11 56.8	+1.4
S22A	4UR Ranch, Cre	18.84 114	P	Pn	08 11 56.7	+1.4
W18A	Petrified Fore	18.91 125	eP	Pn	08 11 57.4	+1.2
W18A	Petrified Fore	18.91 125	P	Pn	08 11 57.2	+1.2
Q24A	Divide	19.17 108	eP	P	08 12 00.1	+0.7
Q24A	Divide	19.17 108	P	Pn	08 12 00.6	+1.2
X18A	Snowflake	19.23 126	eP	Pn	08 12 00.8	+0.8
SKT	Skwerlina	19.30 326	eP	Pn	08 12 00.3	-0.1
RND	Reindeer	19.32 332	eP	Pn	08 12 00.5	-0.2
RND	Reindeer	19.32 332	eP	Pn	08 12 00.5	-0.2
RND	Reindeer	19.32 332	eP	Pmax	08 12 00.5	-0.2
MDND	Maddock	19.54 79	eP	Pn	08 12 04.2	+0.8
MDND	Maddock	19.54 79	P	Pn	08 12 04.1	+0.7
MCK	McKinley	19.58 333	eP	Pn	08 12 02.9	-0.8
MCK	McKinley	19.58 333	eP	Pn	08 12 02.9	-0.8
MCK	McKinley	19.58 333	eP	Pmax	08 12 02.9	-0.8
SDCO	Great Sand Dun	19.67 112	P	Pn	08 12 04.8	-0.5
SDCO	Great Sand Dun	19.67 112	P	Pn	08 12 05.7	+0.4
IL1	Eielson Array	19.77 337	eP	P	08 12 03.8	-0.7
ILAR	Eielson Array	19.77 337	P	P	08 12 04.7	-1.3
ILAR	Eielson Array	19.77 337	P	PcP	08 16 21.9	-0.5
ILB	Eielson Array	19.77 337	eP	Pn	08 12 04.6	-1.3
TRF	Thorofare Moun	19.81 331	eP	Pn	08 12 06.2	-0.5
214A	Organ Pipe Nat	19.82 137	P	Pn	08 12 06.5	-0.4
WRH	Wood River Riv	19.87 335	eP	Pn	08 12 06.3	-0.9
CCB	Clear Creek Bu	19.92 336	eP	Pn	08 12 06.2	-1.6
DHRN	Dharma Camp	20.01 11	P	Pn	08 12 07.1	-1.7
CHGN	Chignik	20.09 307	eP	Pn	08 12 08.4	-1.4
KTH	Kantishna Hill	20.09 331	eP	Pn	08 12 08.6	-1.3
PPLA	Purkeypile	20.11 328	eP	Pn	08 12 09.8	-0.3
COLA	College	20.11 336	eP	Pn	08 12 08.9	-1.0
COLA	College	20.11 336	eP	Pn	08 12 08.9	-1.1
COLA	College	20.11 336	eP	Pmax	08 12 08.9	-1.1
OGNE	Ogallala	20.19 100	eP	Pn	08 12 10.9	-0.3
OGNE	Ogallala	20.19 100	LR	LR	08 12 10.9	-0.3
OGNE	Ogallala	20.19 100	P	P	08 12 10.5	-0.7
MDM	Murphy Dome	20.28 336	eP	Pn	08 12 10.2	-1.8
MDM	Murphy Dome	20.28 336	eP	LR	08 12 10.2	-1.8
CAST	Castle Rocks	20.40 329	eP	Pn	08 12 11.5	-1.9
SVW2	Sparrevohr	20.43 321	eP	Pn	08 12 12.2	-1.6
SVW2	Sparrevohr	20.43 321	LR	LR	08 12 12.2	-1.6
BPAW	Bear Paw Mtn.	20.48 332	eP	P	08 12 12.3	0.0
BPAW	Bear Paw Mtn.	20.48 332	LR	LR	08 12 12.3	0.0
TUC	Tucson	20.51 132	eP	Pn	08 12 14.7	-0.3
TUC	Tucson	20.51 132	eP	Pn	08 12 14.7	-0.3
TUC	Tucson	20.51 132	eP	Pmax	08 12 14.7	-0.3
TUC	Tucson	20.51 132	P	MLR	08 12 14.7	-0.4
TUC	Tucson	20.51 132	P	Pn	08 12 14.7	-0.4
T25A	Trinidad	20.72 112	eP	Pn	08 12 17.7	+0.1
T25A	Trinidad	20.72 112	LR	LR	08 12 17.7	+0.1
T25A	Trinidad	20.72 112	P	Pn	08 12 17.6	-0.1
KSCO	Kaye Shedlock	20.78 105	eP	Pn	08 12 18.2	-0.1
KSCO	Kaye Shedlock	20.78 105	LR	LR	08 12 18.2	-0.1
KSCO	Kaye Shedlock	20.78 105	P	Pn	08 12 18.0	-0.3
FYU	Fort Yukon	20.84 341	eP	Pn	08 12 17.3	-1.2
FY						

19d 8h

N37A	Lee Faris, Mou	25.53	93	P	P	08 13 04.0 +0.8
J38A	Wedel Dairy, R	25.63	86	P	P	08 13 05.2 +1.1
K38A	Parkersburg	25.69	88	eP	P	08 13 05.8 +1.0
K38A	comp=Z,14um,18.0s			LR	LR	
K38A	Parkersburg	25.69	88	P	P	08 13 05.7 +1.0
SCIA	State Center	25.70	90	eP	P	08 13 05.8 +1.1
SCIA	comp=Z,55nm,0.9s			LR	LR	
SCIA	State Center	25.70	90	P	P	08 13 06.0 +1.2
L38A	Oak Wood Farm,	25.77	89	P	P	08 13 06.4 +0.9
F39A	Loretta	25.78	80	P	P	08 13 06.4 +0.8
WMOK	Wichita Mounta	25.79	109	eP	P	08 13 06.4 +0.7
WMOK	comp=Z,79nm,1.1s			LR	LR	
WMOK	Wichita Mounta	25.79	109	eP	P	08 13 06.4 +0.7
WMOK	comp=Z,79nm,1.1s			MLR	MLR	
WMOK	Wichita Mounta	25.79	109	P	P	08 13 06.8 +1.1
G39A	Holcombe	25.81	81	P	P	08 13 06.7 +0.9
O37A	Wolven Farm, M	25.85	94	P	P	08 13 06.9 +0.7
E39A	Mellen	25.89	79	P	P	08 13 07.0 +0.6
NIKH	Nikolski High	25.91	297	eP	P	08 13 08.3 +1.7
NIKH	comp=Z,61um,22.0s			LR	LR	
M38A	Pleasantville	25.92	91	P	P	08 13 08.0 +1.2
H39A	Augusta	25.94	83	P	P	08 13 08.0 +1.1
P37A	Lathrop	25.99	95	P	P	08 13 08.5 +1.0
ANM	Nome	25.99	324	PFAKE	P	08 13 20.0 +1.3
TBO	Thunder Bay	26.06	73	P	P	08 13 08.6 +0.6
I39A	Houston	26.07	84	eP	P	08 13 09.0 +0.9
I39A	comp=Z,111nm,0.9s			LR	LR	
I39A	Houston	26.07	84	P	P	08 13 09.0 +0.9
J39A	Decorah	26.14	86	P	P	08 13 09.5 +0.7
N38A	Joos South For	26.17	92	P	P	08 13 10.0 +0.9
K39A	Oelwein	26.26	87	P	P	08 13 10.4 +0.5
Q37A	Longview Farm,	26.28	97	P	P	08 13 11.1 +1.0
E40A	Wakefield	26.30	78	P	P	08 13 10.9 +0.7
F40A	Park Falls	26.31	79	P	P	08 13 10.7 +0.4
O38A	Galt	26.32	94	P	P	08 13 11.2 +0.8
C40A	Isle Royale Na	26.39	75	eP	P	08 13 11.4 +0.4
C40A	comp=Z,123nm,1.0s			LR	LR	
C40A	Isle Royale Na	26.39	75	P	P	08 13 11.5 +0.4
L39A	Winton	26.43	88	P	P	08 13 12.2 +0.8
G40A	Rib Lake	26.46	81	eP	P	08 13 12.5 +0.8
G40A	comp=Z,37nm,1.0s			LR	LR	
G40A	Rib Lake	26.46	81	P	P	08 13 12.4 +0.6
P38A	Dawn	26.52	95	eP	P	08 13 12.8 +0.5
P38A	comp=Z,56nm,1.4s			LR	LR	
P38A	Dawn	26.52	95	P	P	08 13 12.9 +0.7
H40A	Chili	26.55	82	P	P	08 13 13.4 +0.9
M39A	Webster	26.59	90	P	P	08 13 13.4 +0.6
ABTX	Abilene, Hawle	26.63	114	eP	P	08 13 13.8 +0.5
ABTX	comp=Z,61um,19.0s			LR	LR	
ABTX	Abilene, Hawle	26.63	114	P	P	08 13 13.9 +0.5
N39A	Derby Farms, D	26.63	91	eP	P	08 13 14.1 +0.8
N39A	comp=Z,58nm,1.0s			LR	LR	
N39A	Derby Farms, D	26.63	91	P	P	08 13 13.9 +0.7
TX31	Lajitas Ar. Si	26.63	124	eP	P	08 13 14.7 +1.2
TXAR	Lajitas Array	26.63	124	P	P	08 13 14.5 +1.1
TXAR	comp=Z,7.9nm,0.9s,baz=309,slow=7.7,SNR=64			LR	LR	
I40A	Norwalk	26.66	84	P	P	08 13 14.6 +1.1
J40A	Soldiers Grove	26.77	85	P	P	08 13 15.4 +0.9
K40A	Colesburg	26.77	87	P	P	08 13 15.3 +0.8
Q38A	Cooks Store, C	26.80	96	P	P	08 13 15.5 +0.7
O39A	Kirksville	26.89	93	P	P	08 13 16.4 +0.8
COWI	Conover	26.91	78	eP	P	08 13 16.4 +0.6
COWI	comp=Z,60nm,1.0s			LR	LR	
E41A	Kenton	26.91	78	P	P	08 13 16.6 +0.9
L40A	Anamosa	26.98	88	eP	P	08 13 17.0 +0.7
L40A	comp=Z,82nm,1.0s			LR	LR	
L40A	Anamosa	26.98	88	P	P	08 13 17.1 +0.7
R38A	Fenwick Farm,	27.00	98	P	P	08 13 17.3 +0.7
D41A	Chassel	27.00	76	eP	P	08 13 17.4 +0.8
D41A	comp=Z,113nm,0.8s			LR	LR	
D41A	Chassel	27.00	76	P	P	08 13 17.2 +0.6
TUL1	Leonard	27.01	104	eP	P	08 13 17.2 +0.5
TUL1	comp=Z,75nm,1.4s			LR	LR	
TUL1	Leonard	27.01	104	P	P	08 13 17.1 +0.3
F41A	Three Lakes	27.04	79	eP	P	08 13 17.8 +0.9
F41A	comp=Z,220nm,1.8s			LR	LR	
F41A	Three Lakes	27.04	79	P	P	08 13 17.8 +0.9
H41A	Junction City	27.05	82	eP	P	08 13 17.7 +0.7
H41A	comp=Z,173nm,1.6s			LR	LR	
H41A	Junction City	27.05	82	P	P	08 13 17.7 +0.7
M40A	Post Highland	27.06	89	P	P	08 13 17.8 +0.6
I41A	Arkdale	27.11	83	eP	P	08 13 18.1 +0.6
I41A	comp=Z,104nm,1.5s			LR	LR	
I41A	Arkdale	27.11	83	P	P	08 13 18.2 +0.8

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P39B	Salisbury	27.11	94	P	P	08 13 18.3 +0.7
G41A	Antigo	27.16	80	P	P	08 13 18.9 +0.9
Q39A	Willow Grove F	27.18	95	P	P	08 13 18.9 +0.6
N40A	Mertquake, Sal	27.25	91	P	P	08 13 19.7 +0.9
J41A	Loganville	27.27	85	P	P	08 13 19.6 +0.6
JFWS	Jewell Farm	27.29	86	eP	P	08 13 19.8 +0.6
JFWS	comp=Z,16um,18.0s			LR	LR	
JFWS	Jewell Farm	27.29	86	eP	P	08 13 19.8 +0.6
JFWS	comp=Z,290nm,2.0s			MLR	MLR	
S38A	Stockton	27.30	99	P	P	08 13 19.8 +0.6
T38A	Diamond	27.36	100	P	P	08 13 20.5 +0.6
K41A	Shullsburg	27.37	86	P	P	08 13 20.5 +0.6
GTO	Geraldton	27.39	70	P	P	08 13 20.8 +0.8
O40A	La Belle	27.40	92	P	P	08 13 20.8 +0.6
L41A	Preston	27.46	87	P	P	08 13 21.5 +0.8
HPIG	comp=Z,23nm,1.1s			LR	LR	
HPIG	comp=Z,7um,18.0s			LR	LR	
R39A	Chumby, Stover	27.52	97	P	P	08 13 21.7 +0.4
P40A	Paris	27.57	94	eP	P	08 13 22.2 +0.4
P40A	comp=Z,58nm,1.3s			LR	LR	
P40A	Paris	27.57	94	P	P	08 13 22.1 +0.4
E42A	Champion	27.62	77	P	P	08 13 22.7 +0.7
S39A	Bolivar	27.65	98	eP	P	08 13 23.0 +0.5
S39A	comp=Z,50nm,1.1s			LR	LR	
S39A	Bolivar	27.65	98	P	P	08 13 23.1 +0.6
G42A	Mountain	27.66	80	eP	P	08 13 23.5 +1.1
G42A	comp=Z,138nm,1.4s			LR	LR	
G42A	Mountain	27.66	80	P	P	08 13 23.4 +1.0
F42A	Maple Grove Fa	27.68	79	P	P	08 13 23.7 +1.1
LPIG	La Paz	27.70	142	P	P	08 13 23.7 +0.7
LPIG	comp=Z,5.8nm,0.3s,baz=300,slow=6.3,SNR=4.5			LR	LR	
M41A	Milan	27.73	89	P	P	08 23 42.0
I42A	Draeger Farm,	27.81	83	eP	P	08 13 23.9 0.0
I42A	comp=Z,96nm,1.1s			LR	LR	
I42A	Draeger Farm,	27.81	83	P	P	08 13 24.2 +0.4
Q40A	Lauz Farm, Aux	27.82	95	P	P	08 13 24.4 +0.5
N41A	Harden Midland	27.82	90	eP	P	08 13 25.0 +1.1
N41A	comp=Z,121nm,1.1s			LR	LR	
N41A	Harden Midland	27.82	90	P	P	08 13 24.7 +0.8
H42A	Shiocton	27.84	81	PFAKE	LR	08 13 40.0 +16
H42A	comp=Z,15um,20.0s			LR	LR	
H42A	Shiocton	27.84	81	P	P	08 13 24.8 +0.8
J42A	Columbus	27.89	84	P	P	08 13 24.7 +0.2
K42A	Prairie Point,	27.95	85	P	P	08 13 25.4 +0.3
T39A	Cleaver	27.98	99	P	P	08 13 26.1 +0.7
HHAR	Hobbs	28.02	101	eP	P	08 13 26.4 +0.6
HHAR	comp=Z,30nm,1.1s			LR	LR	
JCT	Junction City	28.03	117	eP	P	08 13 26.2 +0.3
JCT	comp=Z,9um,22.0s			LR	LR	
JCT	Junction City	28.03	117	eP	P	08 13 26.2 +0.3
JCT	comp=Z,86nm,1.1s			MLR	MLR	
JCT	Junction City	28.03	117	P	P	08 13 26.3 +0.4
R40A	Maddies Station	28.05	96	eP	P	08 13 25.6 -0.3
R40A	comp=Z,26nm,1.1s			LR	LR	
R40A	Maddies Station	28.05	96	P	P	08 13 26.0 0.0
L42A	Oliver, Polo	28.05	87	eP	P	08 13 26.8 +0.8
L42A	comp=Z,108nm,1.4s			LR	LR	
L42A	Oliver, Polo	28.05	87	P	P	08 13 26.5 +0.5
O41A	Pasleys Farm,	28.08	92	P	P	08 13 26.8 +0.6
G43A	Wallace	28.14	79	PFAKE	LR	08 13 40.0 +13
G43A	comp=Z,17um,18.0s			LR	LR	
G43A	Wallace	28.14	79	P	P	08 13 27.7 +0.9
P41A	Barry, Barry	28.17	92	P	P	08 13 27.8 +0.8
SLBS	Sierra La Lagu	28.22	141	eP	P	08 13 33.2 +5.4
SLBS	comp=Z,98nm,1.7s			LR	LR	
M42A	Sheffield	28.23	88	P	P	08 13 27.9 +0.4
E43A	Lone Tree Farm	28.24	77	eP	P	08 13 27.5 -0.1
E43A	comp=Z,230nm,1.8s			LR	LR	
E43A	Lone Tree Farm	28.24	77	P	P	08 13 29.7 +2.1
S40A	Lebanon	28.25	97	P	P	08 13 28.1 +0.3
U39A	Green Forest	28.27	101	P	P	08 13 28.2 +0.2
F43A	Flat Rock, Esc	28.30	78	P	P	08 13 29.4 +1.2
N42A	Yates City	28.32	90	P	P	08 13 29.2 +0.8
I43A	Langenfeld Bro	28.32	82	P	P	08 13 29.0 +0.6
J43A	Natural Harves	28.34	84	P	P	08 13 28.8 +0.3
H43A	Windswept, Lux	28.36	81	eP	P	08 13 29.6 +0.9
H43A	comp=Z,189nm,1.6s			LR	LR	
H43A	Windswept, Lux	28.36	81	P	P	08 13 29.7 +0.9
Q41A	Truxton	28.41	94	P	P	08 13 29.7 +0.5
WHTX	Lake Whitney,	28.42	112	eP	P	08 13 29.7 +0.3
WHTX	comp=Z,34nm,1.2s			LR	LR	
WHTX	Lake Whitney,	28.42	112	P	P	08 13 29.7 +0.3
V39A	Pettigrew	28.47	102	P	P	08 13 30.5 +0.6
T40A	Mansfield	28.48	98	P	P	08 13 30.4 +0.5

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O42A	Bath	28.58	91	P	P	08 13 31.5 +0.8
L43A	Garden Prairie	28.60	86	P	P	08 13 31.3 +0.4
R41A	Rosbud	28.64	95	P	P	08 13 31.1 -0.2
K43A	Burlington	28.66	85	eP	P	08 13 31.9 +0.5
K43A	comp=Z,68nm,1.3s			LR	LR	
K43A	Burlington	28.66	85	P	P	08 13 31.7 +0.3
P42A	Winchester	28.69	92	eP	P	08 13 32.0 +0.3
P42A	comp=Z,64nm,1.4s			LR	LR	
P42A	Winchester	28.69	92	P	P	08 13 32.1 +0.3
U40A	Yellville	28.70	100	P	P	08 13 32.5 +0.6
F44A	Big Bay de Noc	28.74	77	P	P	08 13 32.6 +0.5
W39A	Magazine	28.76	103	eP	P	08 13 33.0 +0.7
W39A	comp=Z,36nm,1.0s			LR	LR	
W39A	Magazine	28.76	103	P	P	08 13 33.3 +1.0
S41A	Jilco Farms,	28.77	97	P	P	08 13 32.7 +0.3
M43A	Watum Townsh	28.78	88	P	P	08 13 32.9 +0.4
N43A	Stutzman Famil	28.85	89	P	P	08 13 33.7 +0.6
VIMO	Victor Mine	28.86	63	P	P	08 13 39.3 +6.3
CCM	Cathedral Cave	28.86	96	eP	P	08 13 33.8 +0.6
CCM	comp=Z,21nm,1.1s			LR	LR	
CCM	Cathedral Cave	28.86	96	eP	P	08 13 33.8 +0.6
CCM						

X40A	Basin Creek Fa	29.80	103	P	P	08 13 42.3 +0.6
833A	Chaparral WMA,	29.84	120	eP	P	08 13 42.8 +0.8
833A	comp=Z,104nm,1.6s			LR	LR	
833A	comp=Z,5um,20.0s					
833A	Chaparral WMA,	29.84	120	P	P	08 13 43.0 +1.0
S43A	Fulton Ridge,	29.90	95	P	P	08 13 42.1 -0.3
F46A	Macinaw City C	29.91	77	P	P	08 13 43.1 +0.7
P44A	Sand Creek, Wi	29.92	91	P	P	08 13 43.1 +0.6
Q44A	Meyer Farm, Va	29.93	92	P	P	08 13 42.8 +0.1
M45A	Boilermakers S	29.95	87	P	P	08 13 43.7 +0.8
UALR	University of	29.96	102	eP	P	08 13 43.0 0.0
UALR	comp=Z,32nm,1.4s			LR	LR	
V42A	comp=Z,9um,18.0s	29.99	99	P	P	08 13 43.3 +0.1
X41A	Kaden, Bauxite	30.01	103	P	P	08 13 44.4 +1.0
N45A	Kentland	30.02	88	P	P	08 13 44.0 +0.6
T43A	Greenville	30.02	96	P	P	08 13 43.1 -0.3
PBMO	Poplar Bluff	30.09	97	eP	P	08 13 43.8 -0.3
PBMO	comp=Z,20nm,1.1s			LR	LR	
O45A	Potomac	30.15	89	P	P	08 13 45.2 +0.6
Z40A	Long Farm, Mag	30.19	106	P	P	08 13 46.2 +1.2
W42A	Bald Knob	30.21	100	P	P	08 13 45.7 +0.5
R44A	Waltonville	30.22	93	P	P	08 13 45.2 0.0
Y41A	Eaglette Beard	30.32	104	P	P	08 13 47.3 +1.1
U43A	Recto	30.33	98	P	P	08 13 46.0 -0.3
GLMI	Grayling	30.33	79	eP	P	08 13 47.3 +1.1
GLMI	comp=Z,48nm,0.9s			LR	LR	
GLMI	comp=Z,19um,18.0s	30.33	79	P	P	08 13 47.1 +0.9
NATX	Nacogdoches	30.34	109	eP	P	08 13 47.6 +1.2
NATX	comp=Z,60nm,1.4s			LR	LR	
NATX	comp=Z,6um,19.0s	30.34	109	P	P	08 13 47.6 +1.2
S44A	Carbondale	30.39	94	P	P	08 13 46.8 +0.1
SIUC	Southern Illin	30.40	94	eP	P	08 13 46.8 0.0
SIUC	comp=Z,70nm,1.0s			LR	LR	
140A	Cam and Jess,	30.47	107	eP	P	08 13 48.8 +1.4
140A	comp=Z,103nm,1.3s			LR	LR	
140A	comp=Z,8um,21.0s	30.47	107	P	P	08 13 48.9 +1.4
P45A	Graceland, Par	30.48	90	eP	P	08 13 48.0 +0.4
P45A	comp=Z,40nm,1.2s			LR	LR	
P45A	comp=Z,13um,18.0s	30.48	90	P	P	08 13 48.2 +0.7
T44A	Benton	30.48	96	P	P	08 13 47.4 -0.2
Q45A	Warren Harvey,	30.51	92	P	P	08 13 48.6 +0.8
SFIN	Lafayette	30.51	88	eP	P	08 13 48.4 +0.5
SFIN	comp=Z,76nm,1.6s			LR	LR	
SFIN	comp=Z,12um,18.0s	30.51	88	P	P	08 13 48.8 +1.0
N46A	Monticello	30.52	87	P	P	08 13 48.6 +0.8
M46A	Old House Fiel	30.55	86	eP	P	08 13 48.9 +0.8
M46A	comp=Z,18nm,0.8s			LR	LR	
M46A	comp=Z,11um,19.0s	30.55	86	P	P	08 13 48.7 +0.5
X42A	Stuttgart	30.56	102	P	P	08 13 49.0 +0.7
V43A	Jonesboro	30.57	99	P	P	08 13 48.6 +0.3
Z41A	Richland Creek	30.58	105	eP	P	08 13 49.6 +1.2
Z41A	comp=Z,113nm,1.9s			LR	LR	
Z41A	comp=Z,12um,19.0s	30.58	105	P	P	08 13 49.4 +0.9
PARMO	Parma	30.61	97	PFAKE	LR	08 14 00.0 +1.1
HBAR	Harrisburg	30.62	99	eP	P	08 13 49.5 +0.6
HBAR	comp=Z,41nm,1.1s			LR	LR	
OLIL	Olney	30.63	92	eP	P	08 13 49.3 +0.4
OLIL	comp=Z,95nm,1.3s			LR	LR	
RES	Resolute Bay	30.73	17	LR	LR	08 25 26.0
RES	comp=Z,20.9s,baz=228,slow=95					
RES	Resolute Bay	30.73	17	eP	P	08 13 50.5 +1.1
RES	comp=Z,29nm,1.0s			LR	LR	
RES	comp=Z,12um,18.0s	30.73	17	eP	P	08 13 50.5 +1.1
RES	comp=Z,29nm,1.0s			pmax	pmax	
RES	comp=Z,12um,18.0s	30.73	93	P	P	08 13 50.1 +0.3
R45A	Skyler, Fairri	30.73	108	PFAKE	LR	08 14 00.0 +1.0
240A	Hunter Patters	30.78	97	PFAKE	LR	08 14 00.0 +1.0
PVMO	Portageville	30.78	97	PFAKE	LR	08 14 00.0 +1.0
PVMO	comp=Z,7um,21.0s			LR	LR	
G46A	Rosedale	30.80	90	P	P	08 13 50.7 +0.4
GNAR	Gosnell	30.82	98	PFAKE	LR	08 14 00.0 +9.5
GNAR	comp=Z,8um,18.0s			LR	LR	
HKT	Hockley	30.83	113	eP	P	08 13 52.0 +1.4
HKT	comp=Z,55nm,1.5s			LR	LR	
HKT	comp=Z,9um,18.0s	30.83	113	eP	P	08 13 52.0 +1.4
HKT	comp=Z,55nm,1.5s			pmax	pmax	
CCAR	Cane Creek	30.85	103	eP	P	08 13 52.2 +1.4
CCAR	comp=Z,56nm,1.2s			LR	LR	
S45A	Carrier Mills	30.85	94	P	P	08 13 51.1 +0.3
W43A	Forest City	30.86	100	P	P	08 13 51.6 +0.7
Y42A	Garnett, Star	30.89	103	P	P	08 13 52.5 +1.3
141A	Papa Simpson,	30.93	106	P	P	08 13 52.7 +1.1
V44A	Blytheville	30.98	98	P	P	08 13 52.1 +0.1
Q46A	CEJHS Indians,	30.99	91	P	P	08 13 52.2 +0.2
U44B	Burton Farm, H	31.05	97	P	P	08 13 52.6 0.0
L47A	Sherwood	31.07	84	P	P	08 13 52.9 +0.1

X43A	Marvell	31.08	101	eP	P	08 13 54.1 +1.2
X43A	comp=Z,36nm,1.0s			LR	LR	
X43A	comp=Z,8um,20.0s	31.08	101	P	P	08 13 54.1 +1.2
GLAT	Glass	31.14	97	eP	P	08 13 55.0 +1.6
GLAT	comp=Z,63nm,1.1s			LR	LR	
T45A	Paducah	31.16	95	eP	P	08 13 53.9 +0.3
T45A	comp=Z,109nm,1.5s			LR	LR	
T45A	comp=Z,6um,19.0s	31.16	95	P	P	08 13 53.9 +0.3
O47A	Sheridan	31.20	88	P	P	08 13 54.2 +0.2
241A	Mo Tay, Goldon	31.29	107	PFAKE	LR	08 14 10.0 +1.5
241A	comp=Z,8um,20.0s	31.29	107	P	P	08 13 55.6 +0.9
R46A	Gibson Southern	31.29	92	P	P	08 13 54.8 +0.1
HALT	Halls	31.30	97	PFAKE	LR	08 14 10.0 +1.5
HALT	comp=Z,6um,18.0s			LR	LR	
USIN	University of	31.32	93	eP	P	08 13 55.5 +0.5
USIN	comp=Z,25nm,0.6s			LR	LR	
USIN	comp=Z,6um,19.0s	31.35	99	PFAKE	LR	08 14 10.0 +1.5
MET	Memphis-Engin	31.35	99	PFAKE	LR	08 14 10.0 +1.5
MET	comp=Z,8um,21.0s	31.41	102	P	P	08 13 57.1 +1.3
Y43A	Makayla and Ka	31.42	99	P	P	08 13 56.5 +0.7
W44A	Shelby Farms P	31.42	99	P	P	08 13 56.5 +0.7
S46A	Don Dixon Farm	31.43	93	P	P	08 13 56.3 +0.4
U45A	Rockin P Farm,	31.44	96	P	P	08 13 56.3 +0.2
BLO	Bloomington	31.48	90	eP	P	08 13 57.5 +1.1
BLO	comp=Z,18nm,0.8s			LR	LR	
BLO	comp=Z,11um,20.0s	31.48	90	eP	P	08 13 57.5 +1.1
BLO	comp=Z,18nm,0.8s			pmax	pmax	
P47A	Martinsville	31.50	89	P	P	08 13 57.0 +0.5
341A	Kurthwood	31.58	108	eP	P	08 13 58.0 +0.7
341A	comp=Z,36nm,1.3s			LR	LR	
341A	comp=Z,7um,19.0s	31.58	108	P	P	08 13 58.2 +0.9
142A	Monroe	31.59	105	P	P	08 13 58.4 +1.1
L48A	N Adams	31.61	84	P	P	08 13 57.4 -0.1
M48A	Edgerton	31.61	85	P	P	08 13 57.5 0.0
Z43A	Armstrong Fami	31.63	103	P	P	08 13 58.8 +1.1
T46A	Princeton	31.65	94	P	P	08 13 58.4 +0.5
V45A	Humboldt	31.65	97	P	P	08 13 58.3 +0.4
Q47A	Bedord North L	31.66	90	P	P	08 13 58.6 +0.6
242A	Grayson	31.76	106	P	P	08 13 59.8 +0.9
U46A	Springville	31.83	96	P	P	08 13 59.7 +0.2
W45A	Hickory Valley	31.83	99	P	P	08 14 00.3 +0.8
143A	Soes Landing,	31.84	104	eP	P	08 14 00.9 +1.3
143A	comp=Z,155nm,2.0s			LR	LR	
143A	comp=Z,9um,20.0s	31.84	104	P	P	08 14 00.7 +1.1
SUNO	Strider, Charl	31.85	74	P	P	08 14 00.2 +0.7
Y44A	Strider, Charl	31.86	101	P	P	08 14 01.1 +1.4
O48A	Farmland	31.88	87	P	P	08 13 60.0 +0.1
R47A	Wooly Knot Far	31.92	91	P	P	08 14 00.6 +0.3
AAM	Ann Arbor	31.97	83	PFAKE	LR	08 14 10.0 +9.3
AAM	comp=Z,17um,19.0s	31.97	83	P	P	08 14 01.0 +0.4
S47A	Hartford	32.04	93	P	P	08 14 01.4 +0.1
OXF	Oxford	32.06	100	eP	P	08 14 02.4 +0.9
OXF	comp=Z,183nm,1.1s			LR	LR	
OXF	comp=Z,7um,19.0s	32.06	100	P	P	08 14 02.2 +0.7
P48A	Milroy	32.08	89	P	P	08 14 02.0 +0.3
342A	Flagon Creek P	32.09	107	eP	P	08 14 03.1 +1.3
342A	comp=Z,26nm,1.1s			LR	LR	
342A	comp=Z,8um,21.0s	32.09	107	P	P	08 14 02.9 +1.1
WCI	Wyandotte Cave	32.11	91	eP	P	08 14 02.4 +0.5
WCI	comp=Z,11um,18.0s	32.11	91	eP	P	08 14 02.4 +0.5
WCI	comp=Z,20nm,1.1s			pmax	pmax	
WCI	comp=Z,11um,18.0s	32.11	91	P	P	08 14 02.3 +0.5
M49A	Liberty Center	32.12	84	P	P	08 14 02.1 +0.1
X45A	UM Field Stati	32.12	100	P	P	08 14 02.6 +0.6
Z44A	Pea Ridge, Bel	32.12	103	P	P	08 14 03.4 +1.3
Q48A	North Vern	32.13	90	P	P	08 14 02.7 +0.6
V46A	Holladay	32.18	97	P	P	08 14 02.9 +0.3
WVT	Waverly	32.19	96	eP	P	08 14 02.9 +0.2
WVT	comp=Z,45nm,1.5s			LR	LR	
WVT	comp=Z,5um,19.0s	32.19	96	eP	P	08 14 02.9 +0.2
WVT	comp=Z,45nm,1.5s			pmax	pmax	
WVT	comp=Z,5um,19.0s	32.19	96	P	P	08 14 02.9 +0.2
T47A	Sharon Grove	32.21	94	eP	P	08 14 03.1 +0.3
T47A	comp=Z,4um,22.0s			LR	LR	
T47A	Sharon Grove	32.21	94	P	P	08 14 03.2 +0.3
TOBO	Tobermory, Bru	32.23	76	P	P	08 14 03.6 +0.7
KILO	Kirkland Lake	32.31	70	P	P	08 14 04.2 +0.6
R48A	Northridge Ran	32.31	91	P	P	08 14 04.2 +0.5
243A	Waterproof	32.31	106	P	P	08 14 04.5 +0.8
Y45A	Year Farm, C	32.36	101	P	P	08 14 05.1 +0.9
U47A	Clarksville	32.38	95	P	P	08 14 04.9 +0.6
W46A	Nichie	32.39	98	P	P	08 14 04.2 -0.1
LNIG	Linares	32.42	124	eP	P	08 14 05.0 +0.3
LNIG	comp=Z,49nm,1.2s			LR	LR	

O49A	Covington	32.47	87	P	P	08 14 04.7 -0.3
ZAIG	Zacatecas	32.47	131	eP	P	08 14 07.2 +1.7
ZAIG	comp=Z,22nm,1.1s			LR	LR	
P49A	Miami Univ, Ec	32.52	88	P	P	08 14 05.6 +0.1
144A	Alexander Plac	32.53	103	P	P	08 14 06.8 +1.2
Z45A	Winona	32.56	102	eP	P	08 14 07.1 +1.2
Z45A	comp=Z,76nm,1.0s			LR	LR	
Z45A	comp=Z,7um,20.0s	32.56	102	P	P	08 14 07.0 +1.2
S48A	Wiedeman Farm,	32.56	92	P	P	08 14 06.1 +0.2
V47A	Nunnely	32.57	96	P	P	08 14 06.2 +0.2
X46A	Booneville	32.59	99	P	P	08 14 06.3 +0.1
T48A	Bowling Green	32.63	93	P	P	08 14 06.8 +0.4
Q49A	Aurora	32.66	89	P	P	08 14 06.9 +0.1
BMRO	Merriville Lake	32.67	77	P	P	08 14 07.4 +0.7
PLAL	Pickwick Lake	32.				

19d 8h

2012 AUG

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like 5S1A Beattyville, 551A Beattyville, 5V0A Pikeville, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like W52A Murphy, JCUZ Jacuzzi, 150A Eclectic, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KMSC Kings Mountain, KMSC Kings Mountain, BINY Binghamton, etc.

456A	comp=Z,5um,21.0s	LR	LR		
CNNC	Cliffs of the	39.40	89	PFAKE	LR
CNNC	comp=Z,500nm,20.0s				
556A	Lake Butler	39.50	100	P	P
YLE	Yale	39.56	78	PFAKE	LR
566A	Willston	39.82	100	PFAKE	LR
656A	comp=Z,6um,19.0s				
656A	Willston	39.82	100	P	P
HRV	Adam Dzewonski	39.91	76	PFAKE	LR
HRV	comp=Z,13um,18.0s				
HRV	Adam Dzewonski	39.91	76	P	P
557A	Orange Park	39.94	99	P	P
657A	Interlachen	40.13	100	P	P
PKME	Peaks-Kenny Pk	40.14	71	PFAKE	LR
PKME	comp=Z,7um,18.0s				
WVL	Waterville	40.21	72	eP	P
757A	Oxford	40.41	100	P	P
658A	Bunnell	40.64	99	PFAKE	LR
658A	comp=Z,5um,18.0s				
857A	Zephyrhills	40.74	101	P	P
758A	Lake Helen	40.97	100	P	P
957A	Wimauma	41.13	102	PFAKE	LR
957A	comp=Z,6um,21.0s				
MYIG	Morida	41.13	117	PFAKE	LR
MYIG	comp=Z,2um,20.0s				
BATG	Matias Romero	41.21	126	P	P
BATG	comp=Z,7.4nm,0.9s,baz=309,slow=8.4,SNR=11				
BATG	Bathurst New B	41.32	66	PFAKE	LR
858A	St. Cloud	41.35	101	P	P
DWPF	Disney Wildern	41.37	101	PFAKE	LR
DWPF	comp=Z,5um,19.0s				
DWPF	Disney Wildern	41.37	101	P	P
958A	Wauchula	41.51	102	P	P
859A	Kempfer Cattle	41.76	100	P	P
058A	Arcadia	41.83	102	P	P
MIDW	Midway	42.20	260	PFAKE	LR
MIDW	comp=Z,4um,20.0s				
ILULI	Ilulissat	42.27	31	PFAKE	LR
ILULI	comp=Z,5um,20.0s				
059A	Moore Haven	42.32	102	PFAKE	LR
059A	comp=Z,5um,21.0s				
059A	Moore Haven	42.32	102	P	P
TEIG	Tepech	42.58	116	PFAKE	LR
LMN	Caledonia Moun	42.72	68	PFAKE	LR
LMN	comp=Z,9um,19.0s				
060A	Indiantown	42.80	101	PFAKE	LR
060A	comp=Z,5um,20.0s				
SFJD	Kangerlussuaq	42.92	34	LR	LR
SFJD	comp=Z,4um,19.9s,baz=285,slow=35				
061Z	Ochoppi	43.22	103	PFAKE	LR
061Z	comp=Z,6um,18.0s				
CCIG	Comitan	43.40	124	eP	P
CCIG	comp=Z,1.9nm,1.1s				
HAL	Halifax	44.03	69	PFAKE	LR
HAL	comp=Z,3um,18.0s				
SEY	Seymchan	44.37	320	P	P
SEY	comp=Z,3.8nm,0.6s,baz=89,slow=11,SNR=5.7				
SEY	Seymchan	44.37	320	eP	P
PET	Petropavlovsk	44.83	305	PFAKE	LR
PET	comp=Z,3um,22.0s				
PEAOB	Petropavlovsk	45.32	306	PFAKE	LR
PEAOB	comp=Z,4.7nm,0.9s,baz=84,slow=12,SNR=6.0				
PETK	Petropavlovsk	45.32	306	P	P
PETK	comp=Z,2um,21.5s,baz=86,slow=32				
PETK	Petropavlovsk	45.32	306	eP	P
PETK	comp=Z,2um,21.5s,baz=86,slow=32				
SUMG	Summit	45.44	25	eP	P
SUMG	comp=Z,1.04nm,1.0s				
SUMG	Summit	45.44	25	iP	P
SUMG	comp=Z,96nm,1.1s				
SUMG	Summit	45.44	25	iP	P
SUMG	comp=Z,96nm,1.1s				
JOHN	Johnston Islan	45.48	241	PFAKE	LR
JOHN	comp=Z,4um,21.0s				
IVI	Ivigtut	45.70	42	PFAKE	LR
IVI	comp=Z,3um,18.0s				
MA2	Magadan	46.29	316	PFAKE	LR
MA2	comp=Z,2um,18.0s				
NRS	Narsarsuaq	46.95	41	PFAKE	LR
NRS	comp=Z,4um,22.0s				
SNET	Serv Nac Est T	47.13	122	PFAKE	LR
SNET	comp=Z,4um,19.0s				
SKR	Severo-Kuril's	47.26	303	eP	P
SKR	comp=Z,4um,19.0s				
SKR	Severo-Kuril's	47.26	303	eP	P
SKR	comp=Z,900nm,19.0s				
SKR	Severo-Kuril's	47.26	303	eP	P
SKR	comp=Z,400nm,18.0s				
ANGG	Ammassalik, Gr	48.32	34	PFAKE	LR
ANGG	comp=Z,4um,18.0s				
TIXI	Tiksi	49.24	336	P	P
TIXI	comp=Z,7.3nm,1.1s,baz=81,slow=9.4,SNR=4.3				
TIXI	Tiksi	49.24	336	P	P
TIXI	comp=Z,2um,18.0s				
TIXI	Tiksi	49.24	336	iP	P
TIXI	comp=Z,7.0nm,1.0s				
ESTN	Estel	49.25	120	PFAKE	LR
ESTN	comp=Z,3um,20.0s				
BBSR	BB Station	49.97	83	PFAKE	LR
BBSR	comp=Z,5um,18.0s				
MTDJ	Mount Denham	50.82	107	PFAKE	LR
MTDJ	comp=Z,2um,18.0s				
SCO	Scoresbysund	51.07	24	PFAKE	LR
SCO	comp=Z,4um,18.0s				

GTBY	Guantanamo Bay	51.17	104	PFAKE	LR
GTBY	comp=Z,5um,20.0s				
ESP	Las Esperanzas	51.19	119	PFAKE	LR
ESP	comp=Z,600nm,22.0s				
KBS	Kingsbay	51.55	9	PFAKE	LR
KBS	comp=Z,3um,18.0s				
JTS	Junta Abangare	52.32	121	LR	LR
JTS	comp=Z,1um,20.1s,baz=27,slow=39				
SPITS	Spitsbergen Ar	52.65	9	LR	LR
SPITS	comp=Z,2um,18.8s,baz=345,slow=38				
TYV	Tymovskoe	54.53	309	eP	P
TYV	comp=Z,100nm,3.6s				
BORG	Borgarnes	54.63	30	LR	LR
BORG	comp=Z,1um,18.2s,baz=318,slow=36				
BORG	Borgarnes	54.63	30	PFAKE	LR
BORG	comp=Z,5um,19.0s				
KUR	Kuril'sk	54.81	301	eP	P
KUR	comp=Z,267nm,5.2s				
KUR	comp=N,295nm,19.0s				
KUR	comp=Z,513nm,19.0s				
KUR	comp=E,235nm,20.0s				
BCIP	Isla Barro Col	56.25	117	PFAKE	LR
BCIP	comp=Z,1um,22.0s				
YUK	Yuzh-Kuril'sk	56.67	301	dP	P
YUK	comp=Z,133nm,1.0s				
YUK	comp=N,52nm,0.5s				
YUK	comp=E,52nm,0.5s				
YUK	comp=Z,107nm,2.1s				
YSS	Yuzh-Sakhalin	56.72	305	eP	P
YSS	comp=Z,200nm,4.2s				
YSS	comp=Z,600nm,16.0s				
YSS	comp=N,700nm,15.0s				
YSS	comp=E,500nm,13.0s				
TAOE	Nuku Hiva Isla	57.17	193	eS	S
TAOE	comp=E,646nm,27.4s				
TAOE	Nuku Hiva Isla	57.17	193	eT	T
TAOE	comp=E,6um,25.7s,baz=17				
TAOE	Nuku Hiva Isla	57.17	193	PFAKE	LR
TAOE	comp=Z,4um,20.0s				
MPPR	Mayaguez	57.68	98	PFAKE	LR
MPPR	comp=Z,1um,20.0s				
GRNR	Cabo Rojo, PR	57.80	312	eP	P
CRPR	Esperanza - Ma	57.90	98	PFAKE	LR
CRPR	comp=Z,3um,20.0s				
EMPR	Esperanza - Ma	57.90	98	PFAKE	LR
EMPR	comp=Z,900nm,18.0s				
SJG	San Juan	58.41	98	LR	LR
SJG	comp=Z,1um,20.7s,baz=294,slow=38				
SJG	San Juan	58.41	98	PFAKE	LR
SJG	comp=Z,1um,20.0s				
H112	WAKE ISLAND Hy	58.49	265	T	T
H112	comp=Z,45,slow=75,SNR=292				
H113	WAKE ISLAND Hy	58.49	265	T	T
H113	comp=Z,45,slow=75,SNR=843				
H111	WAKE ISLAND Hy	58.50	265	T	T
H111	comp=Z,45,slow=75,SNR=286				
ASAJ	Asahikawa	58.51	302	LR	LR
ASAJ	comp=Z,810nm,21.9s,baz=36,slow=32				
ASAJ	Asahikawa	58.51	302	PFAKE	LR
ASAJ	comp=Z,800nm,21.0s				
HUMP	Col San Antoni	58.59	97	PFAKE	LR
HUMP	comp=Z,2um,21.0s				
MTP	Monte Pirata	58.82	97	PFAKE	LR
MTP	comp=Z,3um,20.0s				
CUPR	Culebra, Puert	58.86	97	PFAKE	LR
CUPR	comp=Z,2um,20.0s				
WAKE	Wake Island	58.96	265	PFAKE	LR
WAKE	comp=Z,1um,21.0s				
ABVI	Anegada Island	59.20	96	PFAKE	LR
ABVI	comp=Z,2um,20.0s				
H11S1	WAKE ISLAND Hy	59.47	264	T	T
H11S1	comp=Z,45,slow=75,SNR=144				
H11S2	WAKE ISLAND Hy	59.48	264	T	T
H11S2	comp=Z,45,slow=75,SNR=326				
H11S3	WAKE ISLAND Hy	59.49	264	T	T
H11S3	comp=Z,45,slow=75,SNR=126				
NRIK	Noril'sk	60.30	346	P	P
NRIK	comp=Z,6.0nm,1.0s,baz=331,slow=24,SNR=7.4				
ZEA	Zeya	60.30	318	eP	P
ZEA	comp=Z,2um,21.0s				
ZEA	comp=Z,2.4nm,1.8s				
ZEA	comp=E,400nm,10.0s				
ZEA	comp=N,600nm,12.0s				
ZEA	comp=Z,2um,15.0s				
ZEA	comp=E,1um,18.0s				
ZEA	comp=N,2um,14.0s				
SMRT	St. Maarten	60.52	95	PFAKE	LR
SMRT	comp=Z,3um,22.0s				
SABA	Saba	60.71	96	PFAKE	LR
SABA	comp=Z,2um,21.0s				
SEUS	St. Eustatius	60.98	96	PFAKE	LR
SEUS	comp=Z,2um,21.0s				
KLR	Kul'dur	61.11	312	P	P
KLR	comp=Z,2.0nm,0.9s,baz=46,slow=6.5,SNR=5.1				
KLR	Kul'dur	61.11	312	eP	P
HELK	Santa Helena	61.21	115	eP	P
HELK	comp=Z,20nm,0.9s				
HELK	Santa Helena	61.21	115	eP	P
HELK	comp=Z,2um,21.0s				
AREO	ARCCESS Array S	61.60	10	PFAKE	LR
AREO	comp=Z,100nm,18.0s				
BRRC	Barranca, Sant	61.62	112	eP	P
ANWB	Willy Bob	61.66	95	PFAKE	LR
ANWB	comp=Z,2um,20.0s				
SDV	Santo Domingo	62.21	109	P	P
SDV	comp=Z,5.0nm,0.3s,baz=336,slow=4.9,SNR=4.1				
SDV	Santo Domingo	62.21	109	P	P
SDV	comp=Z,1um,19.6s,baz=316,slow=40				
BARC	Barichara	62.35	112	eP	P
GDHS	Morne Mazeau,	62.66	96	PFAKE	LR
GDHS	comp=Z,2um,21.0s				

comp=Z,2um,21.0s					
TUMC	Tumaco	62.77	121	PFAKE	LR
TUMC	comp=Z,2um,22.0s				
BOD	Bodaibo	62.83	328	eP	P
BOD	comp=Z,1.3nm,1.9s				
RUSC	La Rusia	62.95	113	eP	P
RUSC	comp=Z,1.5nm,1.3s				
RUSC	La Rusia	62.95	113	eP	P
RUSC	comp=Z,3.1nm,0.5s,baz=124,slow=9.3,SNR=8.1				
ROSC	El Rosal	63.01	115	eP	P
ROSC	comp=Z,5.88nm,18.2s,baz=355,slow=41				
ROSC	El Rosal	63.01	115	eP	P
ROSC	comp=Z,2.8nm,1.4s				
DFD	Fort de France	64.17	96	PFAKE	LR
DFD	comp=Z,2um,21.0s				
OTAV	Otavallo	64.21	121	eP	P
OTAV	comp=Z,3.2nm,1.4s				
OTAV	Otavallo	64.21	121	eP	P
OTAV	comp=Z,3.2nm,1.4s				
APA	Apaitity	64.31	8	iP	P
APA	comp=Z,6.0nm,1.0s				
APA	comp=Z,3um,21.0s				
USA0B	Ussuriysk Arra	64.31	308	PFAKE	LR
USA0B	comp=Z,1um,20.0s				
USRK	Ussuriysk Ar	64.31	308	P	P
USRK	comp=Z,1.8nm,0.7s,baz=50,slow=9.6,SNR=3.8				
USRK	Ussuriysk Ar	64.31	308	P	P
USRK	comp=Z,888nm,21.0s,baz=42,slow=34				
PMOR	Pomariolee Ree	64.69	201	eT	T
PMOR	comp=Z,8.2nm,0.3s				
VAH	Vaihoo	64.85	200	eT	T
VAH	comp=Z,6.4nm,0.4s				
PCRV	Puerto La Cruz	65.16	103	LR	LR

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COEN, HIZ, ASF, KOWA, MYLDM, CHTO, CTAO, SPB, KKM, EIDS, LNUW, OXZ, TOC7, TOC1, TOB5, TOA1, TOA0, TOB2, TOB4, TOA2, TOA3, TOC2, TOC5, TOB3, TOC3, TOC4, MTN, SBUM, SOEI, RAYN, MMRI, KSM, KULM, IPM, MYKOM, PSI, BKNI, TAU, DAMY, CIBS, MBWA, FORT, ATD, QSPA, VNA3, VNA1, SNA1, SNA2, SNA3, SNA4, SNA5, LBTB, BOSA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WOSB, MAYB, MGB, HOLB, SPLB, B927, MWAB, OBC, TLBC, PHC, YOBUB, CBB, NCRB, LZB, GHNH, TXB, NLLB, BPCB, B009, PGC, B011, PA02, PA03, PA04, VGZ, GOBB, SHB, HDW, SNUB, BIB, WPB, BBB, JCW, VDB, FMM, B06A, LLLB, UBRB, PNT, BLBC, MNB.

PGC 19 08:13.03.0.35.0, 47.56N:128.69W, h5km, ML3.6/17, ML3.6/17, 270km Wsw of Tofino, Bc Off Coast Of Washington

ISCJB 19 08:13.04.6.0.5, 47.79N:0.02:128.60W:0.07, h10km, mb4.1/4, Error ellipse: s-maj=6.3km s-min=3.5km az=179.9

IDC 19 08:13.04.4.2.0, 47.71N:128.64W, h0km, mb3.8/3, mb1.7/10, mb1mx3.7/8.1, mbtmp3.8/10, ML3.2/6, Error ellipse: s-maj=34.2km s-min=13.7km az=69.0

NEIC 19 08:13.05.4.1.0, 47.80N:128.75W, h10km, mb4.5/6, Error ellipse: s-maj=18.1km s-min=8.1km az=77.0

ISC 19 08:13.05.1.0.8, 47.71N:0.05:128.74W:0.06, h10km, n15, 1137/116, mb4.3/4, Off coast of Washington

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEMF, NCRB, ETB, TOFB, EDB, OZB, BPCB, B928, GDR, WOSB, MAYB, SPLB, MGB, B927, ALB, MWAB, TLBC, PHC, OBC, YOBUB, CBB, NCRB, GHNH, OSD, LZB, WSH, TXB, NLLB, BPCB, B009, PGC, PA12, B011, PA02, PA01, PA04, PA05, VGZ, GOBB, SHB, HDW, SNUB, BBB, B009, B011, PA02, PA01, PA04, PA05, VGZ, GOBB, SHB, HDW, SNUB, BBB, B009, B011, PA02, PA01, PA04, PA05, VGZ, GOBB, SHB, HDW, SNUB, BBB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BELC, YKA, PFO, PFO, FRD, BC3, PDMCI, FFC, MVCO, ISCO, MDND, ILAR, T25A, KSCO, SUSD, ANMO, ULM, BGNE, MSTX, J36A, F37A, EYMN, EYMN, H37A, K37A, F38A, L37A, J38A, J38A, WMOK, WMOK, M38A, TXAR, L40A, N40A.

ISCJB 19 08:17.42.4.0.7, 15.40N:0.09:93.48W:0.05, h85km, mb3.7/7, Error ellipse: s-maj=13.3km s-min=6.3km

MEX 19 08:17.44.1.0.3, 15.50N:93.45W, h95km, 3km, MD3.9, IDC 19 08:17.44.8.2.4, 16.18N:92.85W, h75km, 36km, mb3.5/7, mb1.3/8.10, mb1mx3.4/5.5, mbtmp3.8/10, ML3.8/3, Error ellipse: s-maj=82.9km s-min=24.9km az=34.0

ISC 19 08:17.43.4.0.9, 15.49N:0.10:93.44W:0.06, h85km, n15, 1195/211, mb3.8/7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCIG, PCIG, PCIG, TGIG, CMIG, HUIG, HUIG, VHO, JTS, TXAR, ANMO, PDAR, NVAR, NVAR, ULM, YKA, INK, ILAR.

IDC 19 08:24.31.0.2.6, 3.35N:130.39E, h0km, mb3.7/4, mb1.3/8.4, mb1mx3.4/5.7, mbtmp3.7/4, Error ellipse: s-maj=181.1km s-min=20.9km az=71.0, North of Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, WRA, MKAR, MKAR, KURB.

ISCJB 19 08:33.13.7.1.1, 47.76N:0.07:128.70W:0.1, h8km, mb2.7/1, Error ellipse: s-maj=14.4km s-min=7.4km az=150.5

IDC 19 08:33.14.5.2.1, 47.68N:128.61W, h0km, mb3.1/1, mb1.3/5.7, mb1mx3.7/2, mbtmp3.2/7, ML3.7/4, Error ellipse: s-maj=36.2km s-min=14.7km az=67.0

NEIC 19 08:33.16.1.2, 47.82N:128.56W, h10km, ML3.0(SEA), Error ellipse: s-maj=19.6km s-min=10.0km az=58.0

ISC 19 08:33.16.2.1, 5.4778N:0.10:128.68W:0.1, h8km, n16, 11505/121, Off coast of Washington

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KEMF, ETB, TOFB, TOB1, EDB, EDB, OZB, OZB, B928, GDR, BTB.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LRM, EDW2, GSC, LAO, BFSC, GMRC, DGMT, O20A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NLWA, NLWA, PGC, BBB, YBB, YBB, NEW, HLID, NVAR, PDAR.

Table with columns: ILAR, Eielson Array, 19.69 336 P, P, 08 37 44.8 -0.7, etc.

ISC 19 09:14:02.7-1.3, 47.73N, 0°06.128'62W, 0°10, h10km, n50, +106/53, Off coast of Washington

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

ISC 19 08:40:23.8, 5.4, 4.97S, 122.22W, h0km, mb3.8/6, mb1 4.0/6, mb1mx3.5/63, mbtmp3.9/6, MS3.9/3, Ms1 3.9/3, s-m=1mx3.4/63, Error ellipse: s-maj=181.7km

ISC 19 08:59:11.0, 0.5, 31.57S, 58.43E, h0km, mb4.2/16, mb1 4.3/16, mb1mx4.0/67, mbtmp4.2/16, Error ellipse: s-maj=20.6km s-min=15.6km az=87.0

ISC 19 08:59:11.5, 0.4, 31.60S, 0°08.58'E, 0°1, h14km, mb4.2/16, Error ellipse: s-maj=15.8km s-min=11.0km az=174.6

NEIC 19 08:59:12.5, 0.3, 31.55S, 58.44E, h10km, mb4.1/1, Error ellipse: s-maj=15.8km s-min=11.0km az=71.0

ISC 19 08:59:13.2, 0.5, 31.58S, 0°11.58'48"E, 0°1, h14km, n37, +048/28, mb4.2/16, Southwest Indian Ridge

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

DMN 19 09:24:45.6, 0.6, 27.29N, 92°91'E, h10km, M15.5/8, Error ellipse: s-maj=44.4km s-min=11.0km az=8.0

MOS 19 09:24:47.0, 0.9, 26.62N, 92°59'E, h43km, mb5.2/64, Error ellipse: s-maj=44.4km s-min=11.0km az=8.0

ISC 19 09:24:48.0, 0.2, 26.61N, 0°02.92'E, 55E, 0.01, h53km, 2km, mb4.8/184, MS3.9/19, Error ellipse: s-maj=3.2km s-min=2.2km az=178.7

BUI 19 09:24:48.4, 26.61N, 92°75'E, h50km, mb4.8/49, mb4.9/30, Ms4.3/25, Ms7.4/0/27

ISC 19 09:24:48.6, 0.4, 26.62N, 92°57'E, h44km, 4km, mb4.4/47, mb1 4.4/48, mb1mx4.4/67, mbtmp4.6/48, ML4.7/2, MS3.9/19, Ms1 3.9/19, ms1mx3.5/69, Error ellipse: s-maj=9.0km s-min=7.2km az=84.0

NDI 19 09:24:49.5, 3.3, 26.62N, 92°55'E, h38km, 7km, ML4.8, mb4.8/184 (NEIC)

NEIC 19 09:24:49.4, 0.2, 26.60N, 92°57'E, h49km, 2km, mb4.8/92, Error ellipse: s-maj=3.2km s-min=2.3km az=53.0

NEIC FEL [V] at Guwahati. Also felt at Bokkhat, Dhakajuli, Dispur, Nagaon, Shillong and Tezpur.

ISC 19 09:24:49.0, 0.3, 26.60N, 0°03.92'E, 0.03, h47km, 3km, h47km: p-P, n539, 0129/568, mb4.8/188, MS3.9/19, 35C-17R, Northeastern India

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

ISC 19 09:12:32.4, 3.9, 4.83S, 140.83E, h0km, mb3.5/1, mb1 4.1/4, mb1mx3.5/49, mbtmp3.9/4, ML3.9/3, Error ellipse: s-maj=115.5km s-min=32.7km az=95.0, Irian Jaya

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

ISC 19 09:14:01.2, 0.8, 47.73N, 0°04.128'53W, 0°08, h10km, mb2.5/1, Error ellipse: s-maj=8.7km s-min=4.5km az=156.5

ISC 19 09:14:02.9, 1.9, 47.75N, 128°25W, h0km, mb2.9/1, mb1 3.5/8, mb1mx3.3/79, mbtmp3.2/8, ML3.1/5, Error ellipse: s-maj=34.3km s-min=13.2km az=68.0

NEIC 19 09:14:03.5, 0.8, 47.79N, 128°52W, h10km, ML3.0, Error ellipse: s-maj=10.3km s-min=6.0km az=72.0

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

DMN 19 09:24:45.6, 0.6, 27.29N, 92°91'E, h10km, M15.5/8, Error ellipse: s-maj=44.4km s-min=11.0km az=8.0

MOS 19 09:24:47.0, 0.9, 26.62N, 92°59'E, h43km, mb5.2/64, Error ellipse: s-maj=44.4km s-min=11.0km az=8.0

ISC 19 09:24:48.0, 0.2, 26.61N, 0°02.92'E, 55E, 0.01, h53km, 2km, mb4.8/184, MS3.9/19, Error ellipse: s-maj=3.2km s-min=2.2km az=178.7

BUI 19 09:24:48.4, 26.61N, 92°75'E, h50km, mb4.8/49, mb4.9/30, Ms4.3/25, Ms7.4/0/27

ISC 19 09:24:48.6, 0.4, 26.62N, 92°57'E, h44km, 4km, mb4.4/47, mb1 4.4/48, mb1mx4.4/67, mbtmp4.6/48, ML4.7/2, MS3.9/19, Ms1 3.9/19, ms1mx3.5/69, Error ellipse: s-maj=9.0km s-min=7.2km az=84.0

NDI 19 09:24:49.5, 3.3, 26.62N, 92°55'E, h38km, 7km, ML4.8, mb4.8/184 (NEIC)

NEIC 19 09:24:49.4, 0.2, 26.60N, 92°57'E, h49km, 2km, mb4.8/92, Error ellipse: s-maj=3.2km s-min=2.3km az=53.0

NEIC FEL [V] at Guwahati. Also felt at Bokkhat, Dhakajuli, Dispur, Nagaon, Shillong and Tezpur.

ISC 19 09:24:49.0, 0.3, 26.60N, 0°03.92'E, 0.03, h47km, 3km, h47km: p-P, n539, 0129/568, mb4.8/188, MS3.9/19, 35C-17R, Northeastern India

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

ISC 19 09:12:32.4, 3.9, 4.83S, 140.83E, h0km, mb3.5/1, mb1 4.1/4, mb1mx3.5/49, mbtmp3.9/4, ML3.9/3, Error ellipse: s-maj=115.5km s-min=32.7km az=95.0, Irian Jaya

Table with columns: DIBR, comp=E, 10um, 0.5s, IAML, 09 26 12.5, etc.

ISC 19 09:14:01.2, 0.8, 47.73N, 0°04.128'53W, 0°08, h10km, mb2.5/1, Error ellipse: s-maj=8.7km s-min=4.5km az=156.5

ISC 19 09:14:02.9, 1.9, 47.75N, 128°25W, h0km, mb2.9/1, mb1 3.5/8, mb1mx3.3/79, mbtmp3.2/8, ML3.1/5, Error ellipse: s-maj=34.3km s-min=13.2km az=68.0

NEIC 19 09:14:03.5, 0.8, 47.79N, 128°52W, h10km, ML3.0, Error ellipse: s-maj=10.3km s-min=6.0km az=72.0

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SUW, ARCES, AREO, KWP, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GERES, GEAR, GEAQ, CLL, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TAM, CCB, WRH, IL1, etc.

ISC/JB 19 09:51:28.0; 0.9, 47.78N, 0.05; 128.4W, 0.1, h8km, Error ellipse: s-maj=12.2km s-min=5.5km az=159.4
IDC 19 09:51:29.2; 1.2, 47.81N, 128.37W, h0km, mb 1 3.5/6, mb1mx3.2/77, mbtmp3.2/6, ML3.4/6, Error ellipse: s-maj=36.1km s-min=14.3km az=65.0
NEIC 19 09:51:31.0; 1.0, 47.85N, 128.40W, h10km, ML2.9, Error ellipse: s-maj=13.1km s-min=3.0km az=79.0
ISC 19 09:51:30.6; 1.4, 47.83N, 0.0; 128.3W, 0.1, h8km, n28, s=1857/31, Off coast of Washington
Code Station Name Az Azz Phase ID Time Res
OZB Mount Ozzard 2.19 58 eP ISC h m s ISC
NLWA Neilton Lookou 3.02 97 ePn Pn 09 52 18.7 -0.1
PNC 3.34 74 ePn Pn 09 52 23.2 -0.2
E03A Leban 3.47 110 ePn Pn 09 52 23.7 -1.2

ORV	Oroville	9.65 145	ePn	Pn	10 06 22.6 +2.4	P17A	Butcher Ranch,	15.34 116	ePn	P	10 07 39.3 -3.3	ISCO	Idaho Springs	18.37 107	eP	P	10 08 17.7 +1.3
JTMT	Jette	9.68 84	ePn	Pn	10 06 19.8 -0.8	MTPU	Mount Pierson	15.43 123	ePn	P	10 07 41.1 -2.7	ISCO	Idaho Springs	18.37 107	P	P	10 08 18.2 +1.9
YBMT	Yellow Bay	9.85 84	P	Pn	10 06 22.8 -0.2	TGL	Tana Glacier	15.43 333	ePn	P	10 07 39.2 -4.2	RIDG	Independence Rid	18.38 337	ePn	Pn	10 08 17.1 +1.2
BEKR	Beckworth	9.86 140	ePn	Pn	10 06 22.8 +3.6	TGL	Tana Glacier	20.11 1.2s	eS	S	10 10 43.7 -2.1	EGAK	Eagle	18.40 343	ePn	Pn	10 08 17.4 +1.3
GSX	Geysers	9.86 120	ePn	Pn	10 06 25.1 +1.6	TUQ	Turquoise Moun	15.50 138	P	P	10 10 41.6 -2.8	X16A	Lo Mia Camp, P	18.50 130	eP	Pn	10 08 19.9 +2.0
PRDA	Priddis	9.89 66	P	Pn	10 06 25.1 +1.6	RRX	Edwin Barstow	15.50 142	P	P	10 07 42.5 -1.8	DHY	Denali Highway	18.59 333	eP	Pn	10 08 20.7 +2.0
SWMT	Swartz Lake	9.89 86	P	Pn	10 06 23.6 0.0	BALM	Baldy	15.51 334	P	P	10 07 44.3 0.0	S22A	4UR Ranch, Cre	18.81 114	eP	Pn	10 08 22.2 +0.6
SWMT	Swartz Lake	9.89 86	P	Pn	10 06 23.6 0.0	BALM	Baldy	36m,1.4s	ePn	P	10 07 40.6 -3.7	S22A	4UR Ranch, Cre	18.81 114	P	Pn	10 08 23.4 +1.8
WALA	Wateron Lakes	9.89 77	P	Pn	10 06 23.3 -0.3	CRQM	Cirque	56m,1.2s	eS	S	10 10 48.5 +0.6	W18A	Petrified For	18.89 125	eP	Pn	10 08 24.0 +1.5
WALA	Wateron Lakes	9.89 77	ePn	Pn	10 06 23.9 +0.9	CRQM	Cirque	56m,1.2s	eS	S	10 10 42.9 -2.2	Q24A	Divide	19.14 109	eP	Pn	10 08 26.7 +1.1
MFID	Camas Ranch	9.96 111	ePn	Pn	10 06 26.4 +1.9	LCMT	Little Creek M	15.58 128	ePn	P	10 07 42.8 -2.5	X18A	Snowflake	19.21 126	eP	Pn	10 08 26.6 +0.2
MSO	Missoula	10.03 90	ePn	Pn	10 06 25.1 -0.4	YUK3	Moose Creek	15.62 339	P	P	10 07 42.0 -3.6	RND	Reindeer	19.30 332	eP	Pn	10 08 27.9 +0.8
MSO	Missoula	10.03 90	ePn	Pn	10 06 25.1 -0.4	YUK3	Moose Creek	15.64 146	ePn	P	10 07 43.5 -2.4	MDND	Maddock	19.47 79	eP	Pn	10 08 29.6 +0.4
AFDM	Forest Hills D	10.38 145	ePn	Pn	10 06 32.7 +2.5	PASC	Pasadena Art C	32m,1.2s	eS	S	10 07 44.5 -1.6	MDND	Maddock	19.47 79	eP	Pn	10 08 30.0 +0.7
PAHR	Pah Rah Range	10.43 137	ePn	Pn	10 06 35.0 +4.1	MWV	Mount Wilson	15.64 146	ePn	P	10 07 44.0 -2.6	MCK	McKinley	19.56 333	eP	Pn	10 08 30.4 +0.3
BPMT	Black Pine Rid	10.45 91	P	Pn	10 06 31.1 -0.2	SRU	San Rafael Swe	32m,1.1s	ePn	P	10 07 44.2 -2.4	SDCO	Great Sand Dun	19.63 112	eP	Pn	10 08 32.3 +0.8
BPMT	Black Pine Rid	10.45 91	P	Pn	10 06 31.1 -0.2	YUK2	White River	15.72 338	P	P	10 07 44.2 -2.4	IL1	Eielson Array	19.74 337	eP	Pn	10 08 31.8 -0.5
MCCM	Marconi Center	10.45 154	ePn	Pn	10 06 32.9 +1.9	YUK2	White River	15.72 338	P	P	10 07 49.6 +2.0	ILAR	Eielson Array	19.74 337	eP	Pn	10 08 31.2 -1.1
RUBR	Rubicon Trail	10.62 141	ePn	Pn	10 06 36.5 +2.8	BFC	Mount Baldy Ra	15.78 145	P	P	10 07 46.3 -1.6	ILAR	Eielson Array	19.74 337	eP	Pn	10 15 12.1
VCNR	Virginia City	10.64 39	ePn	Pn	10 06 38.9 +3.4	BBRC	Hector Ludlow	15.82 140	P	P	10 07 48.9 -1.8	ILB	Eielson Array	19.74 337	eP	Pn	10 08 32.1 -0.3
DLBC	Dease Lake	10.78 356	Pn	Pn	10 06 38.9 +3.4	BMRM	Big Bear Solar	16.02 143	P	P	10 07 47.7 -3.7	TRF	Thorofare Moun	19.79 331	eP	Pn	10 08 32.9 +0.3
DLBC	Dease Lake	10.78 356	Pn	LR	10 10 30.5	GMRC	Granite Moun	16.16 138	P	P	10 07 50.6 -1.1	214A	Organ Pipe Nat	19.82 137	P	Pn	10 08 35.6 +2.1
DLBC	Dease Lake	10.78 356	Pn	Pn	10 06 38.3 +2.7	LDFC	Landslide	133m,1.4s	ePn	P	10 07 50.0 -1.8	WRH	Wood River Hill	19.85 335	eP	Pn	10 08 33.2 -0.4
DLBC	Dease Lake	10.78 356	ePn	Pn	10 06 37.8 +2.2	EYAK	Cordova Ski Ar	16.23 329	ePn	P	10 07 51.8 -0.5	CCB	Clear Creek Bu	19.90 335	eP	Pn	10 08 33.0 -1.2
HLID	Hailey	10.79 107	P	Pn	10 06 36.7 +0.9	CIS	Cattina Island	16.25 148	P	P	10 07 53.2 +0.7	DHRN	Dharma Camp	19.95 11	P	Pn	10 08 32.8 -2.0
HLID	Hailey	10.79 107	P	Pn	10 06 36.7 +0.9	DGMT	Dagmar	16.34 78	ePn	P	10 07 51.1 -2.4	KTH	Kantishna Hill	20.07 330	eP	Pn	10 08 35.4 -0.9
PNTR	Pine Nut	10.83 139	ePn	Pn	10 06 39.9 +2.5	RGMT	Dagmar	16.34 78	P	P	10 07 51.6 -1.9	PPLA	Purkeypile	20.09 328	eP	Pn	10 08 36.8 +0.2
BMN	Battle Mountai	10.96 127	ePn	Pn	10 06 42.5 +4.3	DDWY	Rawlins	16.36 104	ePn	P	10 07 51.7 -2.4	OGNE	Ogallala	20.14 100	eP	Pn	10 08 37.2 -0.1
ELMT	Elliston	11.07 90	P	Pn	10 06 39.3 -0.4	K22A	Casper	16.37 100	ePn	P	10 07 52.4 -1.7	MDM	Murphy Dome	20.25 336	eP	Pn	10 08 37.3 -1.1
ELMT	Elliston	11.07 90	P	Pn	10 06 39.3 -0.4	K22A	Casper	76m,1.5s	P	P	10 07 52.3 -1.9	SVW2	Sparrevhorn	20.43 321	eP	Pn	10 08 40.3 -0.1
YERR	Yerlington	11.08 139	ePn	Pn	10 06 43.3 +3.5	O20A	White River Ci	16.50 110	ePn	P	10 07 57.9 +2.3	TUC	Tucson	20.51 132	eP	Pn	10 08 41.3 -0.3
JUN	Junesau Grand	11.09 115	P	Pn	10 06 43.3 +3.5	O20A	White River Ci	48m,1.3s	P	P	10 07 58.4 +2.8	T25A	Trinidad	20.69 112	eP	Pn	10 08 43.6 -0.3
HBMT	Mount Humbug	11.17 94	P	Pn	10 06 40.6 -0.5	UN1A	North Rim	16.53 127	ePn	P	10 07 55.5 -0.5	T25A	Trinidad	20.69 112	P	Pn	10 08 43.7 -0.2
HBMT	Mount Humbug	11.17 94	P	Pn	10 06 40.6 -0.5	DIV	Divide	42m,3.1s	ePn	P	10 07 57.5 +0.4	KSCO	Shedlock'	20.74 105	eP	Pn	10 08 44.1 -0.3
LRM	Limekiln Ridge	11.27 94	P	Pn	10 06 42.0 -0.4	BELC	Belle Mtn. Jos	16.67 141	P	P	10 07 57.0 -0.4	KSCO	Kaye Shedlock'	20.74 105	P	Pn	10 08 44.0 -0.4
LRM	Limekiln Ridge	11.27 94	P	Pn	10 06 42.0 -0.4	W13A	Hualapai Mount	16.73 134	ePn	P	10 07 57.1 -1.1	SUSD	Miller	20.79 88	P	Pn	10 08 42.9 -1.9
CLMT	Dillon	11.30 99	ePn	Pn	10 06 44.4 +0.5	YKA	Yellowknife Ar	16.79 23	Pn	P	10 07 55.9 -2.4	INK	Inuvik	20.80 355	P	Pn	10 08 43.0 -1.7
MCMT	McKenzie Canyo	11.30 99	ePn	Pn	10 06 43.4 -0.4	YKA	Yellowknife Ar	0.4nm,0.3s,baz=217,slow=11,SNR=16	LR	LR	10 15 06.3	INK	Inuvik	20.80 355	eP	Pn	10 08 42.9 -1.8
MANA	Manning	11.35 32	P	Pn	10 06 44.5 +1.1	YKWI	Yellowknife Ar	216,slow=40	P	P	10 07 57.0 -1.6	FYU	Fort Yukon	20.80 341	eP	Pn	10 08 42.4 -2.3
MANA	Manning	11.35 32	P	Pn	10 06 44.5 +1.1	PFO	Pinyon Flats O	16.81 143	ePn	P	10 07 57.8 -1.2	LAZ	Ladron	20.88 122	eP	Pn	10 08 43.0 -1.7
WAKR	Walker	11.39 141	ePn	Pn	10 06 46.7 +2.6	XPFO	Pion Flat	16.82 142	ePn	P	10 07 57.9 -1.1	TASM	TASL Fed, Albuq	20.89 120	eP	Pn	10 08 45.0 +0.8
CMB	Columbia Colle	11.40 145	ePn	Pn	10 06 47.3 +3.2	TPFO	Pinon Flats	16.82 143	P	P	10 07 58.6 -0.4	ANMO	Albuquerque	20.89 120	P	Pn	10 08 45.0 -1.2
HRV	Holler Researc	11.48 89	P	Pn	10 06 46.1 +0.9	YKWS	Yellowknife Ar	16.84 23	P	P	10 07 57.4 -1.5	ANMO	Albuquerque	20.89 120	eP	LR	10 16 31.5
HRV	Holler Researc	11.48 89	P	Pn	10 06 46.1 +0.9	FRD	Ford Ranch, An	16.84 23	P	P	10 07 57.4 -1.5	ANMO	Albuquerque	20.89 120	eP	Pn	10 08 44.7 -1.5
BESE	Bessie Mountai	11.50 343	P	Pn	10 06 47.0 +1.6	IRM	Iron Mountain	16.91 138	P	P	10 07 59.3 -0.7	ANMO	Albuquerque	20.89 120	P	Pn	10 08 47.0 +0.7
BESE	Bessie Mountai	11.50 343	P	Pn	10 06 47.0 +1.6	PV09	Parox Valley	16.92 116	ePn	P	10 08 00.2 -0.1	TASL	Snake Pit, Alb	20.89 120	P	Pn	10 08 47.0 +0.8
KVN	Kaiserwell	11.55 135	ePn	Pn	10 06 47.0 +1.6	KLU	Klutina	16.97 331	ePn	P	10 08 00.6 +0.1	MLY	Manley	21.03 334	eP	P	10 08 45.4 +0.4
FNBB	Fort Nelson	11.69 15	P	Pn	10 06 49.3 +1.3	PV21	Conc Mtn., Par	16.98 115	ePn	P	10 08 00.2 -0.8	LENM	Lemitar	21.14 122	eP	P	10 08 48.6 +2.2
FNBB	Fort Nelson	11.69 15	P	Pn	10 06 49.3 +1.3	PV23	Carpenter Rid	17.03 116	ePn	P	10 08 01.7 +0.2	LPM	Los Pinos Moun	21.23 121	eP	P	10 08 50.1 +2.7
RYN	Ryan	11.69 137	ePn	Pn	10 06 51.9 +3.7	PV12	Paradox Valley	17.06 116	ePn	P	10 08 04.2 +2.4	BNN	Barren Site	21.35 121	eP	P	10 08 51.4 +2.6
BOZ	Bozeman (W)	11.88 94	ePn	Pn	10 06 51.0 +0.2	PV14	Lion Creek, Pa	17.07 116	ePn	P	10 08 01.0 -0.9	TT01	Tatalina	21.53 325	eP	P	10 08 52.2 +2.0
BOZ	Bozeman (W)	11.88 94	P	Pn	10 06 50.5 -0.3	PV22	Blue Mesa, Pa	17.11 115	ePn	P	10 08 01.8 -0.5	ULM	Lac du Bonnet	21.56 71	P	Pn	10 08 50.4 -2.0
NV01	Mina Array Sit	11.95 137	ePn	Pn	10 06 54.9 +3.0	PV20	West Nyswonger	17.12 116	ePn	P	10 08 02.1 -0.3	ULM	Lac du Bonnet	21.56 71	P	Pn	10 17 42.8
NVAR	Mina Array Bay	11.95 137	Pn	Pn	10 06 55.6 +3.8	PV19	Parox Valley	17.13 116	ePn	P	10 08 02.4 -0.5	ULM	Lac du Bonnet	21.56 71	P	Pn	10 08 50.7 +0.1
NVAR	Mina Array Bay	11.95 137	Pn	LR	10 11 26.4	PV17	East Wray Mesa	17.17 116	ePn	P	10 08 02.5 -0.5	319A	Douglas	22.02 131	eP	P	10 08 50.7 +1.3
NV11	Mina Array Sit	12.02 137	ePn	Pn	10 06 54.7 +2.0	CPE	Camp Elliot	17.19 145	ePn	P	10 08 02.8 -0.3	COLD	Coldfoot	22.51 338	eP	P	10 09 01.5 +0.9
TPMT	Tepee Creek	12.13 98	P	Pn	10 06 55.7 +1.4	109C	Camp Elliot, M	17.19 145	P	P	10 08 03.1 +0.1	COLD	Coldfoot	22.51 338	eP	P	10 09 01.9 +1.3
TPMT	Tepee Creek	12.13 98	P	Pn	10 06 55.7 +1.4	BC3	Big Chucckawall	17.20 140	P	P	10 08 03.2 +0.2	BGNE	Belgrade	22.52 95	eP	P	10 09 03.6 +2.5
SAO	San Andreas Ge	12.16 151	ePn	Pn	10 06 56.6 +2.1	PV11	David Mesa, Pa	17.21 116	ePn	P	10 08 03.1 -0.2	BGNE	Belgrade	22.52 95	P	P	10 09 03.6 +2.5
QLMT	Earthquake Lak	12.25 97	ePn	Pn	10 06 56.5 +0.6	PV05	Paradox Valley	17.21 117	ePn	P	10 08 04.1 +0.7	IM3	Imz Mounai	22.60 333	eP	P	10 09 01.3 -0.4
MDPB	Devils Postpil	12.29 92	ePn	Pn	10 06 58.8 +1.8	PV18	Skein Mesa, Pa	17.22 116	ePn	P	10 08 03.3 -0.2	ECSD	EROS Data Cent	22.62 88	eP	P	10 09 01.9 -0.1
OMMB	Old Mammoth Mi	12.32 144	ePn	Pn	10 06 59.4 +1.0	PV15	David Mesa, Pa	103m,1.3s	P	P	10 08 03.8 +0.4	ECSD	EROS Data Cent	22.62 88	P	P	10 09 02.3 +0.3
YHB	Horse Butte	12.44 97	ePn	Pn	10 07 03.1 +2.5	PV05	Paradox Valley	17.21 117	ePn	P	10 08 04.1 +0.7	CBKS	Cedar Bluff	22.74 102	eP	P	10 09 04.9 +1.5
PLBC	Pleasant Camp	12.62 342	P	Pn	10 07 03.1 +2.5	PV18	Skein Mesa, Pa	17.22 116	ePn	P	10 08 03.3 -0.2	CBKS	Cedar Bluff	22.74 102	P	P	10 09 04.8 +1.4
PLBC	Pleasant Camp	12.62 342	P	Pn	10 07 03.1 +2.5	PV03	Paradox Valley	17.25 116	ePn	P	10 08 03.6 -0.3	EPL0	Experimental L	23.01 72	P	P	10 09 05.8 -0.3
YMR	Madison River	12.62 97	ePn	Pn	10 07 02.0 +1.1	PV13	Radium Mtn., P	17.33 116	ePn	P	10 08 04.9 +0.1	EPL0	Experimental L	23.01 72	P	P	10 09 05.8 -0.3
EGMT	Eggleston	12.63 116	ePn	Pn	10 07 02.0 +1.1	PV02	Paradox Valley	17.35 116	ePn	P	1						

19d 10h

Table with columns: ID, Station Name, Time, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like E38A The Farm, Brul, I38A Scanlan Farm, N37A Lee Faris, Mou, etc.

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Table with columns: ID, Station Name, Time, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SPITS Spitsbergen Arr, BORG Borgarnes, TAOE Nuku Hiva Isla, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PUH Pauahi, HLP Hilina Pali, KKO Keanakako'i, etc.

IDC 19 10:15:29.51, 5.56:61x:146:36E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.7/42, mbtmp3.8/4, MS3.9/4, Ms1 4.0/3, ms1mx3.5/21, Error ellipse: s-maj=108.2km s-min=21.2km az=81.0, West of Macquarie Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like VANDA Vanda, H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, etc.

ISCJB 19 10:16:25.9-1.0, 56:52S:0.08:147:8E:0.4, h10km, mb4-4/13, MS3.9/3, Error ellipse: s-maj=35.1km

IDC 19 10:16:25.62, 0.56:40S:148:06E, h0km, mb4.2/6, mb1 4.4/6, mb1mx4.0/40, mbtmp4.2/6, MS3.9/4, Ms1 3.9/4, ms1mx3.6/20, Error ellipse: s-maj=116.5km s-min=19.8km az=80.0

NEIC 19 10:16:27.9-0.5, 56:51S:147:55E, h10km, mb4.6/10, Error ellipse: s-maj=22.8km s-min=9.4km az=82.0

ISC 19 10:16:28.1-0.8, 56:55S:0.1x:147:5E:0.2, h10km, n45, e1910/36, mb4.5/13, MS3.7/3, West of Macquarie Island

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like RPZ Rata Peaks, CASY Casey, VANDA Vanda, URZ Urewera, etc.

NEIC 19 10:07:45.9-0.0, 19:31N:155:22W, h9km, ML3.7(HVO), After HVO, Hawaiian Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ESDC Sonseca Array, KMB0 Kilima Mbogo, ULN Ulanabatar, etc.

NIED 19 11:40:00.38, 20N, 141.70E, h41km, Mw3.8 Best double couple: Ms.40000, 1014 NP1, 9133, 00000, 634, 00000, 1.72, 00000. NP2, 9, 34, 00000, 857, 00000, 1, 102, 00000.
ISCJBJ 19 11:40:39.7, 0.7, 38, 16N, 0.03, 141.74E, 0.08, h56km, 5km, mb3.8/17, MS3.7/3, Error ellipse: s-maj=10.6km s-min=4.7km az=18.2
JMA 19 11:40:40.8, 0.1, 38, 17N, 141.69E, h51km, 1km, M3.7 JMA Feil Ji J.

Main table for station data on page 945, including stations like Ouri, Murumori, Ichinoseki, Okura, Ofunato, etc.

Main table for station data on page 2012 AUG, including stations like RAO Raoul Island, AFI Afiamalu, DZM Mont Dumac, etc.

Table for station data on page 19d 12h, including stations like TWT Biuzend, ENTT Biuz-295, TWE Neitong, etc.

Table for station data on page MOS 19 12:02:27.5, 1.2, 44, 90N, 149, 30E, h39km, mb4.3/1, Error ellipse: s-maj=56.8km s-min=19.4km az=157.0, SKHL 19 12:02:27.5, 0.2, 44, 86N, 149, 28E, h46km, 3km, mb4.2/5, JMA 19 12:02:28.0, 0.8, 45, 05N, 149, 09E, h30km, M4.1, ISC 19 12:02:22.3, 3.8, 44, 80N, 0.08, 149.7E, 0.2, h60km, n31, c274/53, 3D, Kuril Islands

19d 12h

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUK, LAGR, GRPR, Tuman, etc.

ISJCJB 19 12:09:04.92.3, 12.31N, 101.121.66E, 0.05, h2km, 15km, mb3.4/4, Error ellipse: s-maj=6.9km, s-min=6.6km, az=34.9

ISJCJB 19 12:09:06.61.9, 12.23N, 101.04.121.66E, 0.04, h9km, 14km, n15, az=70/20, mb3.4/4, 2C, MDR

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AUQP, JAP, GOP, GUIM, etc.

IDC 19 12:13:29.3.1.2, 10.49N, 91.59E, h0km, mb3.8/10, mb1.3/9.10, mb1mx3.6/72, mbtmp3.8/10, Error ellipse: s-maj=52.4km, s-min=17.5km, az=55.0

ISJCJB 19 12:13:30.3.0.5, 10.49N, 91.66E, 0.08, h17km, mb4.0/16, Error ellipse: s-maj=11.6km, s-min=9.0km, az=143.1

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

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

ISJCJB 19 12:25:54.0.0.5, 46.38N, 150.07.150.0E, 0.1, h162km, mb3.4/11, Error ellipse: s-maj=13.5km, s-min=4.9km, az=43.3

MOS 19 12:25:54.1.2.46, 46.40N, 149.85E, h185km, mb4.1/1, Error ellipse: s-maj=18.5km, s-min=9.6km, az=60.4

SKHL 19 12:25:58.0.0.5, 46.18N, 150.00E, h165km, 1km, mb4.6/5, msh5.4/6

IDC 19 12:25:58.1.2.1, 46.51N, 149.74E, h191km, 20km, mb3.1/11, mb1.3/9.14, mb1mx3.1/74, mbtmp3.6/14, MS3.8/1, Ms1.3/8.1, ms1mx2.4/22, Error ellipse: s-maj=18.7km, s-min=13.9km, az=139.0

ISC 19 12:25:54.9.0.7, 46.33N, 150.01E, 0.09, h162km, n42, r181/48, mb3.3/11, 1D, Kuril Islands

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

SHO Shikotan 3.33 224 eP Pn 12 26 47.5 +0.7

SHO comp=E, 12nm, 0.3s AMB AMB 12 26 49.0

SHO comp=E, 9.0nm, 0.3s AMB AMB 12 26 49.0

SHO comp=E, 17nm, 0.3s eS A Sn 12 27 24.0 -3.2

SHO comp=E, 80nm, 0.2s A A 12 27 28.0

SHO comp=E, 142nm, 0.2s Shikotan 3.33 224 eP Pn 12 26 47.5 +0.5

SHO comp=E, 12nm, 0.3s eS Pn 12 27 24.8 -2.4

SHO comp=Z, 17nm, 0.3s SHO 12 26 53.0 +1.2

SHO comp=N, 12nm, 0.2s SHO 12 26 55.0

SHO comp=E, 9.0nm, 0.1s SHO 12 26 55.0

SHO comp=N, 80nm, 0.2s SHO 12 26 55.0

SHO comp=E, 142nm, 0.2s YUK Yuzh-Kuril'sk 3.72 233 eP Pn 12 26 53.0 +1.2

YUK comp=E, 18nm, 0.4s YUK 12 26 55.0

YUK comp=E, 20nm, 0.4s YUK 12 26 55.0

YUK comp=E, 69nm, 0.4s YUK 12 27 36.0 -0.1

YUK comp=E, 134nm, 0.3s YUK 12 27 40.0

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Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GRPR, Tuman, ASAJ, MYR, etc.

MEX 19 12:31:23.5.0.3, 16.10N, 98.55W, h10km, MD3.5, Near coast of Guerrero

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

ISJCJB 19 12:41:34.5.0.8, 53.41N, 159.72W, 0.02, h11km, 5km, mb4.6/237, MS3.5/41, Error ellipse: s-maj=3.2km, s-min=2.1km, az=12.2

IDC 19 12:41:34.0.0.5, 53.28N, 159.91W, h0km, mb4.4/4.1, mb1.4/4.6, mb1mx4.8/89, mbtmp4.4/6, ML4.1/5, MS3.4/39, Ms1.3/4/39, ms1mx3.167.8, Error ellipse: s-maj=13.1km, s-min=8.9km, az=169.0

MOS 19 12:41:35.9.0.5, 53.42N, 159.74W, h19km, mb4.8/80, Error ellipse: s-maj=8.1km, s-min=5.0km, az=86.6

BUI 19 12:41:35.0.5, 53.56N, 160.07W, h14km, mb4.6/28, mb4.8/18, Ms4.3/6, Ms7.4/0.5

NEIC 19 12:41:37.1.0.0, 53.35N, 159.90W, h6km, mb4.6/170, ML4.2(AEIC), Alter AEIC

ISC 19 12:41:36.8.0.8, 53.33N, 159.81W, 0.04, h17km, 4km, n758, r128/18D, mb4.6/244, MS3.5/41, 33C-13D, South of Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SDPT, DRIA, DDT1, etc.

19d 12h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANMO Albuquerque, TASL Snake Pit, Alb, KLR Kul'dur, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like TUL1 Leonard, R9L1 Leonard, T39A Chumby, Stover, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CBUJ Chichijima, OLIL Olney, S44A Carbendale, etc.

Y47A	UCPARC	Winfie	53.22	81	P	P	12 50 52.6	-1.5
344A	Westbrook Farm	baz=315,SNR=5.5	53.24	85	eP	P	12 50 54.7	+0.5
344A	Westbrook Farm	comp=Z,2.0nm,0.9s	53.24	85	P	P	12 50 54.1	-0.2
W49A	Belvidere	53.31	79	P	P	12 50 53.2	-1.5	
X48A	Hartselle	53.31	80	eP	P	12 50 53.2	-1.5	
X48A	Hartselle	comp=Z,4.4nm,0.8s	53.31	80	P	P	12 50 52.5	-2.2
T51A	Gray	baz=314,SNR=6.3	53.39	75	P	P	12 50 53.9	-1.4
146A	Union	53.39	83	eP	P	12 50 54.9	-0.4	
146A	Union	comp=Z,3.5nm,0.8s	53.39	83	P	P	12 50 54.6	-0.8
LONY	Lakon Ozonia	53.43	62	eP	P	12 50 54.4	-1.2	
543A	St. Martinville	53.54	87	eP	P	12 50 56.2	-0.3	
Z47A	Carrollton	53.59	82	P	P	12 50 55.5	-1.2	
50A	Pikeville	53.61	77	P	P	12 50 55.7	-1.2	
Z48A	Northport	53.77	81	P	P	12 50 56.3	-1.7	
W50A	Signal Mountai	53.81	78	P	P	12 50 57.3	-1.1	
FRNY	Flat Rock	53.82	62	eP	P	12 50 57.4	-0.9	
147A	Livingston	53.84	82	P	P	12 50 57.9	-0.6	
T52A	Hallie	53.84	75	P	P	12 50 58.0	-0.0	
MCWV	Mont Chateau	53.89	70	P	P	12 50 57.6	-1.3	
NCWB	Newcomb	54.06	63	eP	P	12 50 59.8	-0.3	
247A	Quitman	54.07	83	P	P	12 51 00.2	-0.2	
Y49A	Blount Mountai	54.10	80	P	P	12 50 58.8	-1.7	
X50B	Fort Payne	54.13	79	P	P	12 50 59.1	-1.6	
BINY	Binghamton	54.31	65	eP	P	12 51 01.3	-0.7	
BINY	Binghamton	54.31	65	P	P	12 51 01.1	-0.8	
SSPA	Standing Stone	54.32	68	eP	P	12 51 01.3	-0.8	
SSPA	Standing Stone	comp=Z,1.0nm,1.1s	54.32	68	P	P	12 51 00.6	-1.5
TKL	Tuckaleeches C	54.38	76	LR	LR	13 13 18.5		
29A	Columbiana	54.50	81	P	P	12 51 01.7	-1.8	
248A	Dixon Mills	54.56	82	P	P	12 51 02.6	-1.3	
347A	Saraland	54.58	84	P	P	12 51 03.5	-0.5	
U53A	Fall Branch	54.60	75	P	P	12 51 02.7	-1.5	
149A	Jones	54.77	81	P	P	12 51 03.8	-1.5	
Z50A	Ashland	54.82	80	eP	P	12 51 04.0	-1.8	
Z50A	Ashland	comp=Z,8.5nm,0.9s	54.82	80	eP	P	12 52 06.7	-1.3
Z50A	Ashland	comp=Z,8.5nm,0.9s	54.82	80	eP	P	12 51 03.8	-2.0
KSPA	Keystone Colle	54.86	66	eP	P	12 51 05.6	-0.3	
V53A	Saluda	54.94	76	P	P	12 51 05.0	-1.7	
BLA	Blacksburg	55.25	73	eP	P	12 51 08.4	-0.5	
BLA	Blacksburg	comp=Z,2.8nm,0.8s	55.25	73	eP	P	12 51 08.4	-0.5
BLA	Blacksburg	comp=Z,2.8nm,0.8s	55.25	73	eP	P	12 51 08.4	-0.5
BLN	Blacksburg	55.25	73	P	P	12 51 08.1	-0.8	
ULN	Ulanbaatar	55.29	305	eP	P	12 51 09.1	-0.1	
ULN	Ulanbaatar	comp=Z,3.2nm,0.8s	55.29	305	eP	P	12 51 09.5	+0.3
ZAK	Zakamensk	55.36	309	eP	P	12 51 08.7	-0.8	
ZAK	Zakamensk	comp=Z,2.0nm,1.3s	55.36	309	eP	P	12 51 09.1	-1.8
Z50A	Grady	55.52	81	P	P	12 51 11.8	+0.2	
S0NM	Songino Array	55.63	305	P	P	12 51 11.8	+0.2	
S0NM	Songino Array	comp=Z,3.2nm,0.8s,baz=51,slow=6.8,SNR=10.0	55.63	305	P	P	13 17 36.7	
S0NM	Songino Array	comp=Z,7.22nm,18.8s,baz=58,slow=3.9	55.63	305	P	P	12 51 11.1	-0.6
BRAL	Brewton	55.63	83	P	P	12 51 11.1	-0.6	
GOGA	Godfrey	56.15	78	P	P	12 51 13.5	-1.9	
KM5C	Kings Mountain	56.17	75	P	P	12 51 13.7	-1.8	
Z53A	Monticello	56.18	78	P	P	12 51 13.3	-2.3	
PAL	Palisades	56.26	65	P	P	12 51 13.2	-2.8	
252A	Lumpkin	56.41	80	P	P	12 51 14.8	-2.5	
351A	Pinckard	56.42	81	P	P	12 51 15.6	-1.6	
Z54A	Sparta	56.48	78	P	P	12 51 17.0	-1.9	
352A	Blakely	56.67	81	P	P	12 51 17.6	-1.5	
ARCES	ARCESS Array B	57.39	358	P	P	12 51 23.6	0.0	
ARCES	ARCESS Array B	comp=Z,2.9nm,0.7s,baz=22,slow=7.9,SNR=10	57.39	358	P	P	12 51 23.6	0.0
ARCES	ARCESS Array B	comp=Z,4.0nm,0.8s	57.39	358	P	P	12 51 23.6	0.0
KHC	Hu-ho-hao-te	57.84	296	eP	P	12 51 29.0	+1.6	
HHC	Hu-ho-hao-te	comp=Z,17nm,1.1s	57.84	296	eP	P	12 51 29.0	+1.6
HHC	Hu-ho-hao-te	comp=Z,2.9nm,6.6s	57.84	296	eP	P	12 51 29.0	+1.2
BORG	Borgarnes	57.98	20	P	P	12 51 29.0	+1.2	
BORG	Borgarnes	comp=Z,2.0nm,1.0s,baz=33,slow=6.8,SNR=3.0	57.98	20	P	P	13 20 12.5	
BORG	Borgarnes	comp=Z,2.0nm,1.0s	57.98	20	P	P	12 51 29.0	+1.2
BORG	Borgarnes	comp=Z,2.0nm,1.0s	57.98	20	P	P	12 51 29.0	+1.2
NJ2	Nanjing	60.05	284	eP	P	12 51 42.4	-0.2	
ZALV	Zalesov Beam	60.43	322	P	P	12 51 45.1	+0.1	
ZALV	Zalesov Beam	comp=Z,0.7nm,0.5s,baz=28,slow=6.5,SNR=3.1	60.43	322	P	P	13 20 09.7	
PRGR	Perngore	63.62	347	eP	P	12 52 05.8	-0.4	
SSLB	Suanguang	64.94	277	eP	P	12 52 15.0	-0.5	
GTA	Gaotai	65.02	303	eP	P	12 52 18.8	+2.8	
GTA	Gaotai	comp=Z,1.9nm,1.0s	65.02	303	eP	P	12 52 23.1	+1.8
GTA	Gaotai	comp=Z,3.0nm,1.0s	65.02	303	eP	P	12 52 25.8	+2.5
KLMR	Klimovskoe	65.12	350	eP	P	12 52 14.6	-1.5	
KLMR	Klimovskoe	comp=Z,9.0nm,1.2s	65.12	350	eP	P	12 52 23.1	
KLMR	Klimovskoe	comp=Z,9.0nm,1.2s	65.12	350	eP	P	12 52 14.7	-1.4
KURK	Kurchatov	65.29	323	eP	P	12 52 17.8	+0.5	
KURK	Kurchatov	comp=Z,6.2nm,1.4s	65.29	323	eP	P	12 52 18.3	+1.0
KURK	Kurchatov	comp=Z,2.2nm,1.3s	65.29	323	eP	P	12 52 18.4	+0.9
SVE	Sverdlovsk	65.33	337	eP	P	12 52 17.9	-0.1	
KURBB	Kurchatov Arra	65.40	323	P	P	12 52 23.1	+1.8	
KURBB	Kurchatov Arra	comp=Z,0.4nm,0.4s,baz=30,slow=7.6,SNR=5.5	65.40	323	P	P	12 52 23.1	+4.3
LZH	Lanzhou	65.45	298	eP	P	12 52 29.9	+5.2	
LZH	Lanzhou	comp=Z,4.0nm,1.4s	65.45	298	eP	P	12 52 29.9	+5.2

LZH	comp=Z,1.6nm,1.2s	65.48	357	P	P	12 52 18.3	-0.1	
FINES	FINES Array B	65.48	357	P	P	12 52 18.3	-0.1	
FINES	FINES Array B	comp=Z,4.0nm,0.8s,baz=13,slow=8.5,SNR=19	65.48	357	P	P	13 22 17.6	
FINES	FINES Array B	comp=Z,2.6nm,1.8s,baz=5.0,slow=3.7	65.48	357	P	P	12 52 18.5	+0.2
FINES	FINES Array B	comp=Z,4.0nm,0.8s	65.48	357	P	P	12 52 20.6	+0.4
NB2	NORSAR Subarra	65.75	5	P	P	12 52 20.6	+0.4	
NOA	NORSAR Array B	65.75	5	P	P	12 52 20.6	+0.4	
NOA	NORSAR Array B	comp=Z,4.1nm,0.9s,baz=35,slow=6.3,SNR=11	65.75	5	P	P	13 21 17.4	
BVAR	Borovoye Array	66.06	329	P	P	12 52 22.9	+0.6	
BVAR	Borovoye Array	comp=Z,1.1nm,20.3s,baz=320,slow=3	66.06	329	P	P	13 24 58.0	
BVAR	Borovoye Array	comp=Z,5.2nm,0.6s,baz=40,slow=5.9,SNR=33	66.06	329	P	P	12 52 22.9	+0.6
BRVK	Borovoye	66.06	330	eP	P	12 52 22.9	+0.6	
BRVK	Borovoye	comp=Z,5.3nm,0.8s	66.06	330	eP	P	12 52 23.1	+0.8
BRVK	Borovoye	comp=Z,1.8nm,1.3s	66.06	330	eP	P	12 52 26.8	+0.1
ARU	Arti	66.17	338	LR	LR	13 25 18.9		
ARU	Arti	comp=Z,4.8nm,18.3s,baz=338,slow=40	66.17	338	LR	LR	12 52 22.8	-0.1
ARU	Arti	comp=Z,5.0nm,0.7s	66.17	338	LR	LR	12 52 22.8	-0.1
ARU	Arti	comp=Z,5.0nm,0.7s	66.17	338	LR	LR	12 52 22.8	-0.1
ARU	Arti	comp=Z,5.0nm,0.7s	66.17	338	LR	LR	13 01 10.3	-0.1
ARU	Arti	comp=Z,5.0nm,0.7s	66.17	338	LR	LR	13 01 10.3	-0.1
HFS	Hagfors	66.77	4	P	P	12 52 26.8	+0.1	
HFS	Hagfors	comp=Z,8.1nm,0.6s,baz=29,slow=3.3,SNR=27	66.77	4	P	P	13 23 08.4	
MK31	Makanchi Array	67.14	319	eP	P	12 52 29.2	-0.1	
MK31	Makanchi Array	67.14	319	eP	P	12 52 29.2	-0.1	
MKAR	Makanchi Array	67.14	319	eP	P	12 52 29.1	-0.1	
MKAR	Makanchi Array	comp=Z,1.3nm,0.6s,baz=46,slow=6.1,SNR=18	67.14	319	eP	P	13 24 21.1	
MKAR	Makanchi Array	comp=Z,7.2nm,19.0s,baz=30,slow=38	67.14	319	eP	P	12 52 29.2	-0.1
MKAR	Makanchi Array	comp=Z,2.2nm,0.8s	67.14	319	eP	P	12 52 29.2	-0.1
MKAR	Makanchi Array	comp=Z,2.2nm,0.8s	67.14	319	eP	P	12 52 29.2	-0.1
MK01	Makanchi Array	67.15	319	eP	P	12 52 28.9	-0.4	
MAK2	Makanchi	67.25	319	eP	P	12 52 30.1	+0.1	
MAK2	Makanchi	comp=Z,2.5nm,0.7s	67.25	319	eP	P	12 52 30.1	+0.1
MAK2	Makanchi	comp=Z,3.0nm,0.7s	67.25	319	eP	P	12 52 32.4	+2.0
WMQ	Ururugi	67.30	314	P	P	12 52 32.4	+2.0	
WMQ	Ururugi	comp=Z,1.50nm,30.1s	67.30	314	P	P	12 52 37.8	+0.0
WMQ	Ururugi	comp=Z,1.30nm,26.3s	67.30	314	P	P	12 52 37.8	+0.0
AFI	Afiamalau	67.75	193	LR	LR	13 14 14.4		
AFI	Afiamalau	comp=Z,2.1nm,21.3s,baz=86,slow=29	67.75	193	LR	LR	14 09 02.2	
PMOR	Pomario Rio	68.82	168	eP	P	12 52 47.6	+0.6	
EKA	Eskdalemuir Ar	70.00	14	P	P	12 52 55.2	+1.7	
EKA	Eskdalemuir Ar	comp=Z,5.0nm,0.9s,baz=330,slow=4.5,SNR=15	70.00	14	P	P	12 53 34.8	
OBN	Obninsk	71.08	350	eP	P	12 53 34.8		
OBN	Obninsk	comp=Z,5.0nm,0.9s	71.08	350	eP	P	12 53 34.8	
OBN	Obninsk	comp=Z,5.0nm,0.9s	71.08	350	eP	P	12 53 34.8	
OBN	Obninsk	comp=Z,5.0nm,0.9s	71.08	350	eP	P	12 53 34.8	
PDGK	Podgornoye	71.12	318	P	P	12 52 54.9	+0.7	
PDGK	Podgornoye	comp=Z,2.9nm,18.0s	71.12	318	P	P	12 52 54.9	+0.7
PPT	Papeete	71.15	170	LR	LR	13 15 28.4		
PPT2	Papeete2	71.17	170	eLR	LR	13 14 14.0		
GYA	Gulyang	71.25	289	eP	P	12 52 55.0	-0.2	
GYA	Gulyang	comp=Z,1.0nm,1.0s	71.25	289	eP	P	12 52 58.5	+0.5
AKTO	Aktubinsk	71.81	336	P	P	12 52 58.5	+0.5	
AKTO	Aktubinsk	comp=Z,2.2nm,0.5s,baz=32,slow=7.4,SNR=6.5	71.81	336	P	P	13 27 55.6	
ABKAR	Abkarak array	72.40	334	eP	P	12 53 02.4	+0.8	
JTS	JuntasAbangare	72.77	96	LR	LR	13 26 52.1		
FRU	Bishkek	73.42	321	eP	P	12 53 08.5	+0.7	
FRU	Bishkek	comp=Z,2.5nm,18.1s,baz=3.5,slow=37	73.42	321	eP	P	12 53 10.7	
AAK	Ala-Archa	73.64	321	P	P	12 53 09.1	-0.1	
AAK	Ala-Archa	comp=Z,1.8nm,0.3s,baz=121,slow=1.4,SNR=6.2	73.64	321	P	P	13 28 06.2	
AAK	Ala-Archa	comp=Z,1.45nm,20.3s,baz=18,slow=38	73.64	321	P	P	12 53 10.3	+1.1
AAK	Ala-Archa	comp=Z,1.4nm,1.3s	73.64	321	P	P	13 19 31.9	
RAR	Rarotonga	74.23	180	LR	LR	12 53 15.4	+1.1	
MNAS	Manas	74.50	323	P	P	12 53 15.4	+1.1	
MNAS	Manas	comp=Z,3.0						

LAY Lan-yu baz=205 2.55 169 eP Pn 13 43 18.4 -0.5
LAY baz=205 eS Sn 13 43 49.2 -1.4

IDC 19 13:47:13.8-1.1, 2.86N-127.80E, h0km, mb3.5/5, mb1 3.7/6, mb1mx3.4/4, mbtmpp3.6/6, ML4.0/1, MS2.7/3, Ms1 2.7/3, ms1mx2.3/4, Error ellipse: s-maj=89.4km s-min=18.0km az=60.0, Northern Molucca Sea

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
SIJ Sorong 5.07 137 Pn 13 48 32.0 +0.8
SIJ 5.9m,0.3s,baz=323,slow=20,SNR=36
SIJ Sn 13 49 25.6 -5.0
SIJ 2.2m,0.3s,baz=208,slow=23,SNR=7.0
SIJ LR 13 50 41.3
comp=Z,43nm,19.6s,baz=188,slow=51

ISK 19 13:54:43.1, 37.72N-29.68E, h5km, ML2.0/9
ISCJB 19 13:54:44.5-0.6, 37.71N-29.63E, h0.0/4, h3km, 6km, Error ellipse: s-maj=5.0km s-min=4.2km az=24.3
DDA 19 13:54:45.1, 37.72N-29.65E, h7km, ML2.7
ISC 19 13:54:43.7-1.4, 37.70N-29.67E, h0.0/3, h7km, 12km, n19, r0515/27, Turkey

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
BRDR BURDUR-Merkez 0.31 90 iP Pp 13 54 49.8 0.0
BRDR iS 13 54 56.5 -0.5
GOLH Golhisar 0.47 191 iP Pp 13 54 54.0 -0.3
GOLH iS 13 54 50.0 -1.0
DNZL Cakirokul 0.49 270 iP Pp 13 54 55.2 +0.4
KZIL AFYON Kizioron 0.67 33 iP Pp 13 54 57.5 -0.4
KZIL iS 13 55 10.1 -0.5
KHAL Karahalli 0.69 348 iP Pp 13 54 58.2 +0.1
KHAL iS 13 55 10.8 -0.2
KORT Korkueli 0.88 142 iP Pp 13 55 11.9 +0.2
KORT iS 13 55 15.0 -0.7
KORT SG 13 55 03.0 +0.4
KORT Pn 13 55 16.0 +0.3
BAGO Egridir - ISPA 0.93 71 iP Pp 13 55 01.5 -0.1
BAGO iS 13 55 17.2 +0.2
ELL Elmali 0.96 169 PG Pp 13 55 04.3 +0.5
ELL SG 13 55 18.1 +0.3
SUTC Sultuce-Ispart 1.08 101 PG Pp 13 55 04.5 -0.3
KULA Kula-Manisa 1.14 316 Pn Pn 13 55 06.2 0.0
FETY Fethiye 1.16 204 Pn Pn 13 55 06.9 +0.6
TURN Turunc 1.18 226 Pn Pn 13 55 11.9 +5.3
DALY Dalyan (Mu'la) 1.19 223 Pn Pn 13 55 07.7 +0.6
YER Yerkisik 1.24 244 Pn Pn 13 55 07.9 +0.4
AYDB Zetinkoy-Aydi 1.43 281 Pn Pp 13 55 11.3 +0.1
BOLV Bolvadin 1.44 44 iP Pp 13 55 12.1 +0.8
BOLV iS 13 55 30.3 +0.8
SINA Simav-Kutahya 1.49 339 Pn Pp 13 55 11.4 +0.4
ARG Arkhangelos 1.93 220 Pn Pp 13 55 18.7 -0.4

SOME 19 13:56:19.7, 42.68N-75.65E, h0km
NNC 19 13:56:20.1-2.3, 42.67N-75.69E, h0km, mb2.9, mpv2.4, Error ellipse: s-maj=15.7km s-min=5.2km az=120.0
ISC 19 13:56:19.8-1.2, 42.66N-75.65E, h0.0/2, h2km, 13km, n17, r0564/27, 9C-50, Lake Issyk-Kul region

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
TKM2 Tokmak 2 0.27 351 iP Pp 13 56 25.1 +0.1
TKM2 8.0m,0.5s
TKM2 iS 13 56 29.2 +0.6
TKM2 2.0m,0.3s
TKM2 16m,0.1s,SNR=53
KST Kasteek 0.45 30 eP Pp 13 56 28.4 0.0
KST 24m,0.1s
DGS Degeres 0.59 8 eP Pp 13 56 31.1 -0.1
DGS 26m,0.4s
DGS 4.5m,0.2s
DGS eS 13 56 39.4 +0.6
7.2m,0.2s
ULHL Ulahol 0.60 133 iP Pp 13 56 31.8 +0.6
ULHL 12m,0.2s,SNR=8.0
KZA Kyzar 0.65 208 iP Pp 13 56 33.8 -0.3
KZA 12m,0.2s,SNR=50
MTBS Matibue 0.74 50 eP Pp 13 56 33.4 -0.6
MTBS 6.2m,0.2s
MTBS eS 13 56 43.2 -0.3
14m,0.3s
CHMS Chumysh 0.75 298 iP Pp 13 56 34.3 -0.2
CHMS 2.9m,0.2s,SNR=6.5
IZV IZvestkoviy 0.80 61 eP Pp 13 56 34.7 -0.4
IZV 9.8m,0.3s
IZV eS 13 56 45.9 +0.4
18m,0.4s
AAK Ala-Archa 0.86 269 iP Pp 13 56 36.8 +0.7
AAK 1.7m,0.3s
AAK iS 13 56 49.0 -0.4
3.9m,0.5s
TNSS Tian-Shan 1.02 68 eP Pp 13 56 39.4 0.0
TNSS 5.1m,0.2s
TNSS eS 13 56 53.8 -0.7
8.8m,0.4s
MDOK Medeo 1.14 63 eP Pp 13 56 41.3 -0.4
MDOK 3.9m,0.2s
MDOK eS 13 56 57.6 -0.1
3.2m,0.6s
EKS2 Erkin-Say 1.39 271 iP Pp 13 56 47.2 +0.8
EKS2 8.5m,0.1s,SNR=33
AML Almayashu 1.54 251 iP Pp 13 56 49.7 +0.4
AML 5.0m,0.2s,SNR=14
CHKK Chushkaly 1.54 39 eP Pp 13 56 49.9 -0.2
CHKK 3.3m,0.5s
CHKK eS 13 57 09.9 +1.0
MNAS Manas 2.33 267 iP Pn 13 57 02.6 0.0
MNAS 1.7m,0.4s
MNAS iS 13 57 34.0 -0.7
0.8m,0.3s
KK31 Karatay Array 3.81 278 iP Pp 13 57 30.9 -1.8
KK31 0.3m,0.3s,baz=96,slow=15,SNR=3.0
KK31 iLg 14 02 21.2 +0.4
0.4m,0.3s,baz=92,slow=26,SNR=5.2

MEX 19 14:00:57.2-0.3, 15.58N-93.97W, h64km, 7km, MD3.8, Near coast of Chiapas

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
PCIG 0.73 80 eP Pp 14 01 10.8 -1.3
PCIG eS 14 01 21.3 -1.8
TGIG 1.44 34 iP Pp 14 01 19.8 -1.5
TGIG iS 14 01 37.9 -1.8
CCIG 1.90 68 eP Pp 14 01 25.9 -1.6
CCIG eS 14 01 48.5 -2.1
HUIG Huatulco 2.07 276 eP Pp 14 01 28.6 -1.0
HUIG eS 14 01 52.5 -2.0

MAN 19 14:01:56.1, 7.24N-123.33E, h6km, mb4.6, ML3.5, MS3.4, 3C, Mindanao

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
PAGZ Pagadian 0.61 5 eP Pp 14 02 08.1 +0.4
PAGZ eS 14 02 16.1 +0.4
CTBH Cotabato-PC H 0.91 91 iP Pp 14 02 13.3 -0.2
CTBH iS 14 02 25.7 +0.5
PAGZ 2.3m,0.8s,baz=300,slow=16,SNR=3.6
DZM comp=Z,42nm,18.7s,baz=244,slow=34 14 03 20.2
FITZ Fitzroy Crossi 2.48 231 eP Pp 14 02 38.0 -0.5
42m,0.8s

ZCP Sn 14 02 40.1 +2.0
SKMP Bagumbayan, Su 1.40 121 eP Pn 14 02 21.7 -0.5
SKMP eS 14 02 39.5 -1.2
CGP Cagayan de Oro 1.81 48 iP Pp 14 02 27.9 +0.1
CGP eS 14 02 51.5 +0.4
BUKP Musuan 1.83 70 eP Pn 14 02 27.9 +0.2
BUKP eS 14 02 52.5 -0.6
DDMP Don Marcelino, 2.62 115 eP Pn 14 02 39.2 +0.3
DDMP eS 14 03 04.4 -6.6

MAN 19 14:08:54.4, 7.35N-123.29E, h32km, mb4.4, ML3.2, MS3.0, 1C, Mindanao

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
PAGZ Pagadian 0.51 11 eP Pn 14 09 05.6 +0.2
PAGZ eS 14 09 14.9 +1.9
CTBH Cotabato-PC H 0.96 97 iP Pp 14 09 12.0 +0.4
CTBH iS 14 09 24.4 +0.2
SKMP Bagumbayan, Su 1.49 123 eP Pn 14 09 19.2 +0.2
SKMP eS 14 09 37.7 +0.3

ISCJB 19 14:13:16.5-0.9, 21.2S-0.2-178.8W, 0.2, h619km, mb3.5/7, Error ellipse: s-maj=28.3km s-min=17.1km az=145.4
ISC 19 14:13:18.0-4.4, 21.14S-178.78W, h625km, 56km, mb2.9/7, s-maj=3.2/8, mb1mx2.9/47, mbtmpp3.9/8, Error ellipse: s-maj=1.9km s-min=23.5km az=175.0
ISC 19 14:13:17.5-1.0, 21.2S-0.2-178.8W, 0.2, h619km, n11, r0577/11, mb3.4/7, Fiji Islands region

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
URZ Urewera 17.46 191 Pp 14 16 46.7 -0.4
1.3m,0.3s,baz=275,slow=4,SNR=8.2
CTA Chartwell Tower 32.72 265 Pp 14 19 01.7 +0.3
3.0m,0.7s,baz=99,slow=9,SNR=3.5
ASAR Alice Springs 43.69 257 Pp 14 20 29.9 +0.1
1.4m,0.6s,baz=92,slow=8,SNR=4.0
ARW 0.5m,0.7s,baz=99,slow=3.9,SNR=9.0
WRA Warramunga Arr 43.81 263 Pp 14 22 03.4 -0.4
0.7m,0.3s,baz=96,slow=7.5,SNR=7.0
FITZ Fitzroy Crossi 52.24 235 Pp 14 21 33.4 +0.2
1.1m,0.6s,baz=102,slow=3.3,SNR=7.9
NVAR Mina Array Bea 81.96 44 Pp 14 24 35.4 +1.1
0.3m,0.5s,baz=231,slow=7.6,SNR=4.8
ILAR Eielson Array 89.06 13 Pp 14 25 06.7 -0.8
0.2m,0.6s,baz=216,slow=6.0,SNR=3.3
PDAR Pinedale Array 89.89 4 Pp 14 25 12.7 +0.5
0.2m,0.5s,baz=197,slow=4.6,SNR=2.6
AKASO Main Array Be 143.19 330 PKP P 14 31 39.8 -0.6
1.1m,0.4s,baz=41,slow=3,SNR=4.4
BRTR Keskin Array B 146.71 211 PKP P 14 31 50.4 -1.2
0.4m,0.5s,baz=148,slow=3.6,SNR=3.8
GERES GERRSS Array B 150.58 343 PKP P 14 32 00.3 -0.4
0.3m,0.6s,baz=55,slow=3.7,SNR=3.8

ISCJB 19 14:17:46.3-0.2, 4.29S-0.03-143.94E, 0.04, h110km, mb4.6/50, Error ellipse: s-maj=5.8km s-min=4.5km az=167.9
IDC 19 14:17:48.7-1.3, 4.28S-143.91E, h117km, 11km, mb4.2/21, mb1 4.2/26, mb1mx4.1/50, mbtmpp4.6/26, MS3.2/5, Ms1 3.2/5, ms1mx2.7/43, Error ellipse: s-maj=14.2km s-min=8.0km az=67.0
BUJ 19 14:17:48.4, 4.38S-144.16E, h143km, mb4.8/26, mb4.7/21
DJA 19 14:17:50.9-0.6, 4.37S-144.14E, h138km, 5km, MA, 7/11, mb4.9/11, mb5.0/7, MLv5.0/4, Mw(mb)4.3/7
NEIC 19 14:17:51.0-0.6, 4.29S-143.80E, h143km, 6km, mb4.6/30, Error ellipse: s-maj=6.0km s-min=4.8km az=91.0
ISC 19 14:17:48.1-0.4, 4.33S-143.86E, 0.06, h110km, n123, r1943/119, mb4.6/50, 4C, New Guinea

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
JAY Jayapura 3.63 300 Pp 14 18 44.2 +1.7
5.5m,0.3s,baz=149,slow=10.0,SNR=46
JAY Sn 14 19 25.6 +0.9
13m,0.3s,baz=12,slow=6.7,SNR=5.0
JAY Jayapura 3.63 300 Pp 14 18 46.0 +3.4
JAY GENI Genyem 4.07 295 Pp 14 18 51.3 +2.8
MANU Manus Island 4.17 57 eP Pn 14 18 54.5 +4.7
PMG Port Moresby 6.01 147 Pp 14 19 17.0 +2.3
16m,0.3s,baz=33,slow=4.6,SNR=62
PMG Sn 14 20 22.0 -0.3
10m,0.3s,baz=294,slow=24,SNR=7.8
COEN 9.59 144 eP Pn 14 20 07.6 +4.3
FAKI Fak Fak 11.67 276 eP Pn 14 20 32.7 +1.3
SIJI Sorong 13.04 285 Pp 14 20 50.6 +1.2
3.4m,0.3s,baz=69,slow=20,SNR=8.3
CTA Charters Tower 15.84 172 Pp 14 21 29.4 +2.8
0.2m,0.3s,baz=353,slow=3.1,SNR=3.4
CTA Charters Tower 15.84 172 eP Pn 14 21 28.3 +1.7
28m,1.4s
HNR Honiara 16.75 108 Pp 14 21 35.9 -0.4
HNR 0.3s,baz=238,slow=9.5,SNR=1.9
HNR Honiara 16.75 108 Pp 14 21 37.5 +0.8
9.4m,1.1s
WB2 Warramunga Arr 18.08 210 eP Pn 14 21 51.8 +0.5
WRA Warramunga Arr 18.09 210 Pp 14 21 52.1 -0.3
2.5m,0.3s,baz=31,slow=11,SNR=64
WRA S 14 25 07.1 -6.2
WRA comp=Z,30m,slow=18,SNR=5.8 Pp P 14 26 21.2 +0.3
0.3m,0.3s,baz=14,slow=1.8,SNR=6.1 ScP 14 29 45.4 -1.0
PATZ Pohnpei 18.19 53 eP Pn 14 21 55.6 +1.8
84m,1.1s
SOEI Soe 20.18 253 Pp 14 22 16.4 -0.8
SOEI Soe 20.18 253 eP Pp 14 22 14.8 +0.5
70m,0.8s
BATI Baumata 20.86 253 Pp 14 22 24.9 -0.2
11.3m,0.5s,baz=122,slow=8,SNR=12
BATI Baumata 20.86 253 Pp 14 22 25.1 0.0
DAV Davao City (W) 21.47 302 LR 14 22 08.6
comp=Z,15m,19.1s,baz=147,slow=40 P 14 22 28.5 +0.4
AS01 Alice Springs 21.48 206 eP P 14 22 28.9 +0.6
8.9m,0.6s
ASAR Alice Springs 21.50 206 P 14 22 29.1 +0.9
7.9m,0.7s,baz=32,slow=12,SNR=8.0 S 14 26 17.2 -3.2
ASAR 6.6m,0.9s,baz=28,slow=18,SNR=7.1 LR 14 32 01.0
ASAR comp=Z,124m,18.7s,baz=34,slow=40 LR 14 32 01.0
MMRI Maumere 21.90 258 Pp 14 22 30.0 -2.7
MMRI Maumere 21.90 258 eP P 14 22 29.9 -2.7
EDFI Ende, Flores 22.46 258 Pp 14 22 36.1 -2.4
FITZ Fitzroy Crossi 22.48 231 Pp 14 22 39.1 +0.5
36m,0.6s,baz=44,slow=11,SNR=124 LR 14 33 20.2
FITZ comp=Z,26nm,18.7s,baz=20,slow=41 LR 14 33 20.2
FITZ Fitzroy Crossi 22.48 231 eP Pp 14 22 38.0 -0.5
42m,0.8s

Code Station Name Az AZZ Phase ID Time Res ISC h m s ISC
BKSI Bulukumba 23.68 267 Pp 14 22 50.6 +0.6
BNSI Bone 23.69 269 Pp 14 22 51.5 +1.4
ITSI Tana Toraja 24.25 252 Pp 14 22 54.2 +1.1
PCM Palu 24.24 277 Pp 14 22 54.3 -0.8
DZI Mont Dumetz 28.11 131 Pp 14 23 30.9 +0.9
2.3m,0.8s,baz=300,slow=16,SNR=3.6
DZM LR 14 33 44.5
comp=Z,42nm,18.5s,baz=244,slow=34 LR 14 33 44.5
MBWA Marble Bar 28.80 232 eP P 14 23 35.5 -0.5
21m,0.5s
FORT Forest 30.24 208 eP P 14 23 49.2 +0.6
32m,0.6s
JOW Kunigami 34.45 335 Pp 14 24 26.4 +1.0
11m,0.6s,baz=149,slow=5.9,SNR=9.1
YULB Yu-li 35.27 322 eP P 14 24 31.8 -0.7
6.2m,0.8s
YHNB 36.18 324 eP P 14 24 41.8 +1.4
40m,1.0s
TATO Taipei 36.35 324 eP P 14 24 42.3 +0.6
85m,0.8s
NWAO Narrogin (SRO) 37.79 218 Pp 14 24 54.0 +0.1
5.8m,0.5s,baz=314,slow=8.2,SNR=10 P 14 24 56.8 +0.5
OZH Quanzhou 38.08 321 iP Pp 14 25 05.4 -0.4
JNU Nakatsu 39.22 343 Pp 14 25 05.4 -0.4
6.5m,0.7s,baz=178,slow=3.8,SNR=8
MJAR Matsuhiro Arr 41.00 353 Pp 14 25 19.1 -1.3

2.4m,0.9s,baz=190,slow=11,SNR=6.3
NJ2 Nanjing 43.30 328 eP P 14 25 39.8 +0.7
NJ2 pmax
comp=Z,23nm,0.5s
KSRS Korea Array 44.14 342 Pp 14 25 46.0 +0.2
4.2 02 51.5 +0.4
6.7m,0.9s,baz=163,slow=9.9,SNR=22
KSAR Wonju Array Be 44.14 342 Pp 14 25 46.0 +0.2
KS01 Wonju Array Si 44.14 342 eP P 14 25 45.3 -0.7
WHN Wuhan 44.70 323 iP Pp 14 25 51.9 +1.5
WHN pmax
comp=Z,94nm,1.4s
ENH Enshi 47.59 319 eP P 14 26 13.1 0.0
11m,0.7s
NANT Nan 48.31 300 Pp 14 26 21.0 +2.2
0.9s,6s
USRK Ussuriysk Arr. 49.47 349 Pp 14 26 26.9 -0.3
5.0m,0.6s,baz=145,slow=7.4,SNR=8.1
CM01 Chiang Mai Arr 49.68 298 eP P 14 26 28.6 -0.7
CMAR Chiang Mai Arr 49.71 299 Pp 14 26 30.0 +0.5
2.7m,0.5s,baz=116,slow=6.2,SNR=16
XAN Xi'an 50.43 322 Pp 14 26 34.6 -0.1
XAN pP 14 27 08.4 -4.7
XAN pmax
comp=Z,18nm,1.2s
CN2 Changchun 50.70 343 eP P 14 26 39.3 +2.8
HHC Hu-ho-hao-te 53.80 300 eP P 14 27 01.6 +2.0
HHC comp=Z,17nm,1.1s
HHC pmax

comp=Z,28nm,6.8s
PETK Petropavlovsk- 58.40 10 Pp 14 27 31.7 -0.3
5.6m,0.6s,baz=175,slow=9.2,SNR=10
PETK Petropavlovsk- 58.40 10 eP P 14 27 32.0 0.0
GTA Gaotai 59.48 321 iP Pp 14 27 40.5 +0.6
GTA pmax
comp=Z,6.0nm,1.2s
ULN Ulanbaatar 61.17 333 eP P 14 27 50.8 -0.5
5.0m,0.6s
SONM Songnong Array 61.45 337 Pp 14 27 53.5 +0.4
2.2m,0.6s,baz=156,slow=6.0,SNR=12
SONAT Songnong Array 61.46 332 Pp 14 27 52.5 -0.7
ODAN Odare 62.72 303 eP P 14 28 02.2 0.0
15m,0.8s
RRAM Ramite 63.41 303 eP P 14 28 06.9 +0.1
10.0m,0.7s
GUN Gumba 64.34 304 eP P 14 28 13.2 +0.2
KKK Kakani 64.80 303 eP P 14 28 15.8 0.0
DMN Daman 64.89 303 eP P 14 28 16.6 +0.2
GKN Gorkha 65.41 303 eP P 14 28 19.7 0.0
KOLN Koldanda 66.20 303 eP P 14 28 24.7 -0.1
18m,0.7s
DMM Daming 66.25 303 eP P 14 28 24.9 -0.4
WNO Wumog 69.50 320 Pp 14 28 46.4 +1.4
WMO Urumqi 69.50 320 pP 14 29 22.4 -2.1
WMO pmax
comp=Z,17nm,1.1s
WMO pmax
comp=Z,130nm,4.1s
WMO LR LR
comp=N,110nm,23.3s
WMO LR LR
comp=Z,47nm,22.1s
VND Vanda 73.77 176 Pp 14 29 10.1 +0.2
1.8m,0.7s,baz=328,slow=5.9,SNR=12
VND Vanda 73.77 176 eP P 14 29 09.9 0.0

MK01 Makanchi Array 74.22 321 eP P 14 29 12.4 -0.7
MK02 Makanchi Array 74.23 321 eP P 14 29 12.5 -0.7
MKAR Makanchi Array 74.23 321 Pp 14 29 12.9 -0.3
MKAR Makanchi Array 74.23 321 Pp 14 29 12.5 -0.7
2.1m,0.5s,baz=98,slow=8.1,SNR=27
MKAR Makanchi Array 74.23 321 eP P 14 29 13.5 -0.9
21m,1.0s
MAKZ Makanchi 74.44 321 eP P 14 29 13.5 -0.9
4.1m,0.6s
KSH Kashi 75.94 312 eP P 14 29 24.9 -1.6
ZAAO Zalesovo Array 75.95 328 eP P 14 29 21.0 -1.8
4.8m,0.8s
ZALV Zalesovo Beam 75.95 328 Pp 14 29 21.8 -1.1
5.8m,0.7s,baz=112,slow=5.2,SNR=22
ZALV Zalesovo Beam 75.95 328 eP P 14 29 20.9 -1.9
NIL Nilovsk 76.42 306 eP P 14 29 24.5 -1.5
14m,0.6s
KURK Kurchatov 78.02 324 eP P 14 29 32.7 -1.8
3.5m,1.4s
KURB Kurchatov Arr 78.03 324 Pp 14 29 33.9 -0.7
0.8m,0.5s,baz=103,slow=7.9,SNR=10
MAW Mawson 82.59 202 Pp 14 29 58.6 -0.1
3.1m,0.4s,baz=95,slow=7.0,SNR=26
MAW Mawson 82.59 202 eP P 14 29 57.3 -1.3
2.6m,1.1s
NRIK Noril'sk 82.75 343 Pp 14 29 58.8 -0.7
6.2m,0.7s,baz=151,slow=24,SNR=8.6
IMS Indian Mount 83.06 21 eP P 14 30 00.8 -0.4
BVAR Borovoye Array 83.59 324 Pp 14 30 03.5 -0.4
6.5m,0.6s,baz=108,slow=7.0,SNR=34
BRVK Borovoye 83.66 324 eP P 14 30 02.8 -1.9
7.6m,0.9s
RND Reindor 83.89 25 eP P 14 30 04.2 -1.3
9.0m,0.8s
MCK McKinley 83.98 24 eP P 14 30 05.0 -1.0
6.8m,0.7s
WRH Wood River Hill 84.61 24 eP P 14 30 07.5 -1.6
4.8m,0.6s
CCB Clear Creek Bu 84.78 24 eP P 14 30 08.3 -1.6
5.5m,0.8s
ILAR Eielson Array 85.20 24 Pp 14 30 10.2 -1.7
3.9m,0.7s,baz=256,slow=5.1,SNR=51
ILB Eielson Array 85.20 24 eP P 14 30 09.4 -2.6
IL1 Eielson Array 85.20 24 eP P 14 30 09.7 -2.3
GSPA South Pole Qui 85.63 180 Pp 14 30 14.0 -0.3
13m,0.6s,baz=290,slow=0.4,SNR=52
RIDG Independent Rid 85.69 25 eP P 14 30 13.3 -1.2
6.7m,1.0s
BALM Baldy 85.98 28 eP P 14 30 15.3 -0.8
9.1m,1.1s
WSAR Wadi Sarin 87.31 293 LR 15 14 03.9
comp=Z,25nm,19.2s,baz=244,slow=39

EGAK Eagle 87.53 24 eP P 14 30 23.0 -0.4
4.3m,0.9s
DAWY Dawson 88.10 25 eP P 14 30 25.9 -0.2
21m,1.1s
ABKAR Akbulak array 89.28 319 eP P 14 30 29.8 -2.1
SYO Syowa Base 91.07 200 iP Pp 14 30 39.0 -0.9
GERES GERRSS Array B 118.76 325 PKP P 14 36 22.5 -0.7
0.4m,0.7s,baz=52,slow=2.2,SNR=4.6
DAVO Davos/Discham 122.03 324 PKP P 14 36 29.4 -0.8
0.9m,0.5s,baz=55,slow=13,SNR=3.4
EKA Eskdalemuir Ar 122.65 338 PKP P 14 36 29.8 -1.1
0.7m,0.5s,baz=34,slow=2.8,SNR=10
PLCA Paso Flores 125.20 148 PKP P 14 36 36.5 +0.1
1.9m,0.9s,baz=221,slow=1.3,SNR=7.3
BOAB BOACO BROADBANK 141 77 ePKPPrre PKPPrre 14 36 32.5
TORO Torodi Ar. Bea 141.64 286 PKHP P 14 37 01.1
0.7m,0.6s,baz=80,slow=3.7,SNR=5.6
TORO PKPPrre
1.4m,0.7s,baz=32,slow=2.8,SNR=8.0
LPAZ Laz 142.31 124 PKHP P 14 37 05.2
0.8m,0.5s,baz=72,slow=4.8,SNR=9.9
RUSC La Russia 143.17 86 ePKPPrre PKPPrre 14 37 05.7
PKPPrre 143.26 147 PKHP P 14 37 05.9
CJG 2.0m,0.7s,baz=358,slow=2.8,SNR=5.0
SNP San Juan 147.61 63 PKP P 14 37 19.4 -1.3
5.7m,0.6s,baz=290,slow=2.7,SNR=2.9
HUMP Col San Antoni 147.86 52 ePKP P 14 37 20.2 -1.2
KOBOK Kobok 148.68 275 ePKP1 PKP P 14 37 23.0 -0.7
106m,1.7s
DBIC Dimbokro 148.78 276 PKP P 14 37 23.2 -0.7
9.6m,0.6s,baz=74,slow=2.4,SNR=17
DBIC Dimbokro 148.78 276 ePKP P 14 37 23.

STON	Ston	3.25	23	AML	AML
STON	Ston	3.25	23	ePn	Pn
DRME	Dracevica, Mon	3.24	45	ePn	Pn
TREB	Trebinje	3.34	31	ePn	Pn
PDG	Podgorica	3.54	43	iP	Pn
PDG	Podgorica	3.54	43	S	Sn
PDG	Podgorica	3.54	43	P	Pn
PDG	Podgorica	3.54	43	ePn	Pn
BRY	Bratogost	3.57	32	ePn	Pn
PUK	Puka	3.66	53	iSN	Sn
PHP	Peshkopia	3.83	61	iPN	Pn
PHP	Peshkopia	3.83	61	S	Sn
OHR	Ohrid	3.87	70	iPN	Pn
UPM	Unac-Pivka	3.97	33	ePn	Pn
KFJ	Annatina	4.14	22	P	Pn
FNA	Florina	4.22	76	P	Pn
FNA	Florina	4.22	76	S	Sn
BIA	Bitola	4.23	73	iPN	Pn
PDO	Prodromos	4.24	106	P	Pn
KRUS	Krusevo	4.27	68	iPN	Pn
SKO	Skopje	4.63	62	iPN	Pn
UDBI	Udbina	4.64	358	ePn	Pn
UDBI	Udbina	4.64	358	S	Sn
THL	Kllokotos Trika	4.66	92	P	Pn
BBLS	Lazik&263j	4.72	32	ePn	Pn
HAPS	Han Pijesak, BI	4.72	42	iPN	Pn
NVLJ	Novajia	4.75	350	ePn	Pn
NVLJ	Novajia	4.75	350	S	Sn
BLJ	Banja Luka	4.94	10	iP	Pn
BLJ	Banja Luka	4.94	10	S	Sn
BLJ	Banja Luka	4.94	10	P	Pn
LIT	Litkhoron	5.00	85	P	Pn
GRG	Grihova	5.01	76	P	Pn
GRG	Grihova	5.01	76	S	Sn
VSL	Villasalto	5.11	268	AML	AML
VSL	Villasalto	5.11	268	ePn	Pn
VSL	Villasalto	5.11	268	S	Sn
VSL	Villasalto	5.11	268	AML	AML
DIVS	Divibare	5.16	34	ePn	Pn
VAY	Valandovo	5.21	72	iPN	Pn
RIV	Rijeka	5.55	349	ePn	Pn
BOJS	Bojanci	5.64	355	ePn	Pn
BOJS	Bojanci	5.64	355	S	Sn
PGF	Pioggiola	5.90	299	ePn	Pn
PGF	Pioggiola	5.90	299	eS	Sn
FRGS	Fruska Gora	5.98	27	ePn	Pn
VTS	Vitosh	6.08	61	iP	Pn
VTS	Vitosh	6.08	61	S	Sn
VTS	Vitosh	6.08	61	P	Pn
MDVR	Moldovita	6.47	39	iP	Pn
MDVR	Moldovita	6.47	39	S	Sn
MORH	M'ir'gy, Hung	6.62	16	ePn	Pn
MORH	M'ir'gy, Hung	6.62	16	eS	Sn
MORH	M'ir'gy, Hung	6.62	16	P	Pn
KEST	Kesra	6.69	24	ePn	Pn
KEST	Kesra	6.69	24	S	Sn
OBKA	Obir	6.70	351	iPN	Pn
OBKA	Obir	6.70	351	eS	Sn
SOKA	Soboth	6.82	354	ePn	Pn
SOKA	Soboth	6.82	354	eS	Sn
SOKA	Soboth	6.82	354	S	Sn
HERR	Herculane	6.90	42	iP	Pn
HERR	Herculane	6.90	42	S	Sn
MYKA	Terra Mystica	6.95	347	ePn	Pn
MYKA	Terra Mystica	6.95	347	eS	Sn
BZS	Buzias	7.07	34	iP	Pn
BZS	Buzias	7.07	34	S	Sn
ABTA	Abfalterbach	7.31	341	ePn	Pn
ABTA	Abfalterbach	7.31	341	eS	Sn
ARSA	Arzberg	7.37	358	ePn	Pn
ARSA	Arzberg	7.37	358	eS	Sn
KBA	Koelnbrunspers	7.44	346	ePn	Pn
KBA	Koelnbrunspers	7.44	346	eS	Sn
LMR	La Moure	7.89	289	ePn	Pn
CONA	Conrad Observa	8.04	359	ePn	Pn
CONA	Conrad Observa	8.04	359	eS	Sn
MOA	Molin	8.05	352	ePn	Pn
MOA	Molin	8.05	352	eS	Sn
FETA	Feichten	8.09	334	ePn	Pn
FETA	Feichten	8.09	334	eS	Sn
WATA	Walderram	8.10	338	ePn	Pn
WATA	Walderram	8.10	338	eS	Sn
HUMR	Humele	8.13	52	iP	Pn
DAVOX	Davos/Dischmat	8.20	329	Pn	Pn
DAVOX	Davos/Dischmat	8.20	329	S	Sn
DAVOX	Davos/Dischmat	8.20	329	ePn	Pn
DAVOX	Davos/Dischmat	8.20	329	eS	Sn
MOTA	Moosalm	8.25	336	ePn	Pn
MOTA	Moosalm	8.25	336	eS	Sn
MBDF	Montbardon	8.36	308	ePn	Pn
MBDF	Montbardon	8.36	308	eS	Sn
ARR	Arges	8.40	47	iP	Pn
IDI	Anovia	8.43	120	Pn	Pn
IDI	Anovia	8.43	120	S	Sn
DRGR	Damuels	8.46	33	iP	Pn
DAVA	Damuels	8.62	331	ePn	Pn
DAVA	Damuels	8.62	331	eS	Sn
SMRF	Simiane la Rot	8.77	301	ePn	Pn
SMRF	Simiane la Rot	8.77	301	eS	Sn
CJR	Ciuj-Napoca	8.79	37	iP	Pn
LPG	La Plagne	8.81	313	ePn	Pn
VYHS	Vyhne	8.84	12	ePn	Pn
VYHS	Vyhne	8.84	12	eS	Sn
ORIF	Oris-en-Rattie	9.00	307	ePn	Pn
ORIF	Oris-en-Rattie	9.00	307	eS	Sn
GERES	GERESS Array B	9.10	350	Pn	Pn
GERES	GERESS Array B	9.10	350	S	Sn
GERES	GERESS Array B	9.10	350	ePn	Pn
GERES	GERESS Array B	9.10	350	eS	Sn
DOPR	Dopce	9.19	46	iP	Pn
MLR	Muntele Rosu	9.22	49	Pn	Pn
MLR	Muntele Rosu	9.22	49	S	Sn
MLR	Muntele Rosu	9.22	49	ePn	Pn
MLR	Muntele Rosu	9.22	49	eS	Sn
ISR	Istrita	9.39	53	iP	Pn
KHC	Kasperske Hory	9.40	350	ePn	Pn
KHC	Kasperske Hory	9.40	350	eS	Sn
KHC	Kasperske Hory	9.40	350	P	Pn
KHC	Kasperske Hory	9.40	350	S	Sn
ARCR	ARCALIA	9.42	37	iP	Pn
ARCR	ARCALIA	9.42	37	P	Pn
ARCR	ARCALIA	9.42	37	S	Sn
TRPA	Tarpa	9.49	28	iP	Pn
VIVF	Saint-Julien-I	9.73	304	ePn	Pn
PLOR	Plostina	9.84	49	iP	Pn
CABF	La Chapelle	9.86	316	ePn	Pn
CABF	La Chapelle	9.86	316	eS	Sn

VRI	Vrincioia	9.89	49	iP	Pn
HARR	Harsova	10.07	58	iP	Pn
TLRB	Topalu	10.10	58	iP	Pn
KRLC	Krailky	10.20	3	ePn	Pn
BURAR	Bucovina Array	10.21	38	iP	Pn
TIRUSO	Tirgoviste	10.29	39	iP	Pn
HINF	Hinterferald	10.30	323	eS	Sn
CFR	Carcaiu	10.41	56	iP	Pn
CDF	Champ du Feu	10.56	327	ePn	Pn
CDF	Champ du Feu	10.56	327	eS	Sn
CLDC	comp=Z,1.2nm,0.4s				
TLCR	Calvia	10.84	57	iP	Pn
CAF	Calvia	11.45	301	ePn	Pn
BRTR	Keakin Array B	13.58	85	Pn	Pn
BRTR	Keakin Array B	13.58	85	S	Sn
AKASG	Malin Array B	14.25	36	Pn	Pn
AKASG	Malin Array B	14.25	36	S	Sn
MMAI	Mount Meron Ar	17.05	108	P	Pn
MMAI	Mount Meron Ar	17.05	108	S	Sn
MDT	Midelt	18.01	253	LR	LR
EKA	Eskdalemuir Ar	20.03	327	P	Pn
EKA	Eskdalemuir Ar	20.03	327	S	Sn
HFS	comp=Z,0.5nm,0.3s,baz=231,slow=12,SNR=4.2				
HFS	comp=Z,0.5nm,0.3s,baz=231,slow=12,SNR=4.2				
KBZ	Khabaz	20.39	70	P	Pn
KBZ	Khabaz	20.39	70	S	Sn
NB2	NOFSAR Subarra	21.38	354	P	Pn
NB2	NOFSAR Subarra	21.38	354	S	Sn
NOA	NOFSAR Array B	21.38	354	P	Pn
NOA	NOFSAR Array B	21.38	354	S	Sn
NOA	NOFSAR Array B	21.38	354	P	Pn
NOA	NOFSAR Array B	21.38	354	S	Sn
FINES	FINES Array B	22.46	13	P	Pn
FINES	FINES Array B	22.46	13	S	Sn
FINES	FINES Array B	22.46	13	P	Pn
FINES	FINES Array B	22.46	13	S	Sn
AKTO	Aktubinsk	31.07	56	LR	LR
AKTO	Aktubinsk	31.07	56	P	Pn
AKTO	Aktubinsk	31.07	56	S	Sn
BVAV	Borovoye Array	38.78	52	P	Pn
BVAV	Borovoye Array	38.78	52	S	Sn
AAK	Ala-Archa	43.31	67	LR	LR
AAK	Ala-Archa	43.31	67	P	Pn
AAK	Ala-Archa	43.31	67	S	Sn
KURBB	Kurchatov Arra	44.08	54	P	Pn
KURBB	Kurchatov Arra	44.08	54	S	Sn
ZALV	Zalesovo Beam	47.20	49	P	Pn
ZALV	Zalesovo Beam	47.20	49	S	Sn
MKAR	comp=Z,1.7nm,19.4s,baz=160,slow=11				
MKAR	comp=Z,1.7nm,19.4s,baz=160,slow=11				
SOMN	Songiro Array	62.08	50	P	Pn
SOMN	Songiro Array	62.08	50	S	Sn
CMAR	Chiang Mai Arr	73.11	80	P	Pn
CMAR	Chiang Mai Arr	73.11	80	S	Sn
PETK	Petropavloski	81.63	22	LR	LR
PETK	Petropavloski	81.63	22	P	Pn
PETK	Petropavloski	81.63	22	S	Sn

PGC 19 17:45:33.1±0.5, 48.99N:129.51W, h10km, ML,SN3,1/39, Mw3.7/39, Mw3.7/39, 242km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region
 IDC 19 17:45:36.1±2.1, 49.23N:129.08W, h0km, mb3.6/3, Ms1.4/0.10, mbl1mx2.7/6.0, mbtm3.8/10, ML7.7, MS3.1/10, Ms1.3/1.10, ms1mx2.7/6.0, Error ellipse: s-maj=35.8km s-min=12.9km az=70.0

ISC 19 17:45:31.5±3.2, 49.01N:129.46W, h6km, 24km, n90, e211/127, mb3.6/3, MS3.1/4, Vancouver Island region

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time	Res
KEMF	NEPTUNE Canada	1.09	167	P	ISC	h m s	ISC
KEMF	NEPTUNE Canada	1.09	167	S	Sb	17 46 04.0	-2.8
BPBC	Brooks Peninsula	1.59	43	P	Pn	17 45 59.7	-0.5
NC27	ODP1027	1.69	137	Pn	Pn	17 45 56.6	-4.5
EDB	Eliza Dome	1.75	60	Pn	Pn	17 46 01.6	-0.7
EDB	Eliza Dome	1.75	60	S	Sb	17 46 21.3	-3.7
NCR8	comp=Z,1.0nm,0.6s,baz=273,slow=6.8,SNR=6.1					17 46 23.1	+0.1
NCR8	comp=Z,1.0nm,0.6s,baz=273,slow=6.8,SNR=6.1					17 46 23.1	-1.7
HOLB	Holberg	1.85	27	Pn	Pn	17 46 03.1	-0.6
HOLB	Holberg	1.85	27	S	Sb	17 46 02.4	-3.1
ETB	Estevan Point	1.95	78	Pn	Pn	17 46 05.1	+0.1
ETB	Estevan Point	1.95	78	S	Sb	17 46 26.8	-3.0
MAYB	Maynard	2.04	46	Pn	Pn	17 46 05.9	+0.4
MAYB	Maynard	2.04	46	S	Sb	17 46 28.0	-4.2
PHC	Port Hardy	2.15	37	Pn	Pn	17 46 07.7	-0.1
PHC	Port Hardy	2.15	37	S	Sb	17 46 31.9	-2.8
WOSS	Woss	2.21	57	Pn	Pn	17 46 08.8	+0.1
WOSS	Woss	2.21	57	S	Sb	17 46 31.9	-2.8
TLCB	Telegraph Cove	2.29	47	Pn	Pn	17 46 08.8	+0.1
TLCB	Telegraph Cove	2.29	47	S	Sb	17 46 35.8	-2.5
TOFB	Tofino	2.34	85	Pn	Pn	17 46 10.2	-0.2
TOFB	Tofino	2.34	85	S	Sb	17 46 35.8	-3.8
GDR	Gold River	2.37	70	Pn	Pn	17 46 10.7	-0.1
GDR	Gold River	2.37	70	S	Sb	17 46 37.4	-2.8
B012	Ucluelet	2.58	90	Pn	Pn	17 46 13.3	-0.4
B012	Ucluelet	2.58	90	S	Sb	17 46 42.0	-3.4
OZB	Mount Ozzard	2.61	90	Pn	Pn	17 46 13.8	-0.4
OZB	Mount Ozzard	2.61	90	S	Sb	17 46 42.4	-3.9
NCRB	Newcastle Ridg	2.61	56	Pn	Pn	17 46 15.0	+0.7
NCRB	Newcastle Ridg	2.61	56	S	Sb	17 46 42.3	-1.3
BTB	Buttle Lake	2.62	78	Pn	Pn	17 46 14.7	+0.3
BTB	Buttle Lake	2.62	78	S	Sb	17 46 44.0	-2.6
SPLB	Strathcona Par	2.64	69	Pn	Pn	17 46 15.3	+0.8
SPLB	Strathcona Par	2.64	69	S	Sb	17 46 45.2	-1.6
MWAB	Mount Washing	2.81	73	Pn	Pn	17 46 17.8	+0.2
MWAB	Mount Washing	2.81	73	S	Sb	17 46 49.4	-1.9
B928	Bamfield	2.86	92	Pn	Pn	17 46 17.2	-0.2
B928	Bamfield	2.86	92	S	Sb	17 46 48.9	-3

PPT2	Papeete2	26.36 98 eT	T	21 27 02.7
TIAR	Tiarei	26.58 98 eT	T	21 27 18.7
TIVR	Taravao	26.66 98 eT	T	21 27 25.5
TBI	Tubuai	26.99 110 eS	S	21 04 23.4 +3.5
TBI	2um,34.2s	eLQ	LQ	21 05 26.4
TBI	5um,28.2s,baz=286	eLR	LR	21 06 43.2
TBI	Tubuai	26.99 110 eR	R	21 28 02.9
PMOR	Pomariorio Ree	28.11 92 eT	T	21 29 08.3
RPZ	Rata Peate	29.51 198 LR	LR	21 10 13.6
PMG	Port Moresby	35.47 276 LR	LR	21 13 19.4
H1S2	WAKE ISLAND Hy 37.74 334 T	T	21 40 42.5	
H1S3	WAKE ISLAND Hy 37.75 334 T	T	21 40 44.0	
H1S1	WAKE ISLAND Hy 37.76 334 T	T	21 40 44.3	
H1N3	WAKE ISLAND Hy 38.76 335 T	T	21 42 03.8	
H1N1	WAKE ISLAND Hy 38.76 335 T	T	21 42 01.7	
H1N2	WAKE ISLAND Hy 38.77 335 T	T	21 42 03.7	
RKT	Rikitea	40.20 107 eLR	LR	21 12 46.1
RKT	Rikitea	40.20 107 eT	T	21 44 28.3
WRA	Warramunga Arr	46.30 257 P	P	21 02 26.8 -1.8
WRA	1.4nm,1.0s,baz=88,slow=7.5,SNR=5.7			
ASAR	Alice Springs	46.61 252 P	P	21 02 09.6 -1.4
ASAR	4.4nm,0.7s,baz=85,slow=8.4,SNR=49			
GUMO	Guam	47.71 306 LR	LR	21 19 38.9
FITZ	Fitzroy Crossi	54.66 259 P	P	21 03 31.6 -0.2
FITZ	1.2nm,0.8s,baz=93,slow=7.6,SNR=5.5			
BATI	Baumata	57.88 268 LR	LR	21 27 36.1
DAV	Davao City (W)	61.21 287 LR	LR	21 28 58.5
NWAO	Narogin (SRO)	61.30 241 LR	LR	21 29 36.1
VNDA	Vandao	62.84 185 LR	LR	21 27 00.3
JHJ	Hachijo jima 2	63.84 320 LR	LR	21 31 51.7
MJAR	Matsushiro Arr	67.11 322 P	P	21 04 55.9 -0.1
MJAR	1.4nm,0.8s,baz=168,slow=5.7,SNR=5.3			
JOW	Kunigami	67.98 308 LR	LR	21 28 47.3
TGY	Tagay City	68.15 293 LR	LR	21 31 00.9
JNU	Nakatsue	69.62 315 LR	LR	21 30 18.2
ASAJ	Asahikawa	70.17 330 LR	LR	21 32 57.0
PETK	Petropavlovsk-	72.10 344 LR	LR	21 33 24.5
LEM	Lembang	74.09 267 LR	LR	21 40 25.6
KSRS	Korora Array	74.10 317 P	P	21 05 40.2 +1.7
KSRS	0.4nm,0.4s,baz=146,slow=7.2,SNR=2.6			
QSPA	South Pole Qui	74.14 180 LR	LR	21 33 45.2
USRK	Ussuriysk Ar.	75.72 325 P	P	21 05 49.7 +1.9
USRK	1.3nm,0.8s,baz=106,slow=6.8,SNR=5.0			
YBH	Yreka Blue Hor	76.16 39 P	P	21 05 50.7 +0.2
YBH	1.6nm,0.9s,baz=221,slow=5.8,SNR=5.2			
LPIG	La Paz	76.32 60 LR	LR	21 33 02.5
NVAR	Mina Array Bea	77.09 44 P	P	21 05 55.6 -0.4
NVAR	1.1nm,0.7s,baz=218,slow=8.4,SNR=8.3			
ILAR	Eielson Array	83.66 13 P	P	21 06 28.6 -1.8
ILAR	1.3nm,0.7s,baz=219,slow=5.6,SNR=12			
TXAR	Lajitas Array	83.83 57 P	P	21 06 32.9 +0.6
TXAR	1.5nm,1.0s,baz=249,slow=4.7,SNR=8.1			
ANMO	Albuquerque	83.84 51 P	P	21 06 31.5 -0.9
ANMO	1.2nm,0.8s,baz=229,slow=6.7,SNR=9.1			
PDAR	Pinedale Array	85.01 43 P	P	21 06 37.5 -0.7
PDAR	0.5nm,0.5s,baz=199,slow=5.3,SNR=4.2			
PMSA	Palmer Station	85.12 157 LR	LR	21 43 52.2
MAW	Mawson	86.17 199 LR	LR	21 42 55.2
CMAR	Chiang Mai Arr	89.45 289 P	P	21 06 59.5 -0.4
CMAR	0.4nm,0.3s,baz=341,slow=5.3,SNR=4.5			
INK	Inuvik	89.63 15 LR	LR	21 39 50.0
PLCA	Paso Flores	91.75 133 LR	LR	21 40 20.0
YKA	Yellowknife Ar	91.97 24 LR	LR	21 42 25.8
SNA	Sanae	92.55 178 P	P	21 07 21.7 +8.3
SNA	Sanae	92.55 178 LR	LR	21 46 49.4
VNA3	Neumayer Olymp	92.64 176 P	P	21 07 20.2 +6.5
SONM	Songino Array	92.90 319 P	P	21 07 16.2 +0.9
SONM	0.5nm,0.6s,baz=145,slow=7.9,SNR=3.7			
VNA1	Neumayer-Stat	93.31 176 P	P	21 07 24.2 +7.4
NNA	Nana	96.35 104 LR	LR	21 43 41.2
ULM	Lac du Bonnet	96.55 40 LR	LR	21 44 18.3
BRDH	Baridhala	97.16 291 LR	LR	21 50 39.9
DPC	Dobruška-Polom 1	99.39 345 ePKP	ePKP	21 13 42.0 +4.3
BRTR	Keskin Array B	144.24 318 PKP	PKP	21 13 38.1 -0.5
JAVC	Velka Javorina	145.00 343 ePKP	ePKP	21 13 41.1 +1.6
ASF	Jabal al Asfar	145.21 304 PKPbc	PKPbc	21 13 40.2 +0.1
KHC	Kasperske Hory	145.75 348 ePKP	ePKP	21 13 47.2 +5.6
KHC	ex			21 13 53.0
GERES	GERES Array B	145.99 347 PKPbc	PKPbc	21 13 40.6 -0.8
MMAI	Mount Meron Ar	146.09 306 PKPbc	PKPbc	21 13 42.5 -0.3
CONA	Conrad Observa	146.34 344 ePKPpdf	ePKPpdf	21 13 45.8 +1.8
MOA	Molin	146.81 346 ePKPpdf	ePKPpdf	21 13 47.5 +1.9
ARSA	Arzberg	147.05 344 PKPpdf	PKPpdf	21 13 47.9 +1.3
SOKA	Soboth	147.71 344 ePKPpdf	ePKPpdf	21 13 48.9 -0.4
KBA	Koelnbreinsper	147.74 347 ePKPbc	ePKPbc	21 13 50.2 +0.7
RETA	Reutte	147.85 350 ePKPbc	ePKPbc	21 13 51.9 +2.0

WATA	Walderalm	147.86 349 ePKPbc	PKPbc	21 13 52.1 +2.2
WTTA	Wattenberg	147.91 349 ePKPpdf	PKPpdf	21 13 50.1 -0.1
MOTA	Moosalm	147.93 350 ePKPbc	PKPbc	21 13 51.6 +1.3
OBKA	Obir	147.99 345 ePKPbc	PKPbc	21 13 50.7 +0.3
MYKA	Terra Mystica	148.10 346 ePKPbc	PKPbc	21 13 51.0 +0.2
DAVA	Damuels	148.19 351 ePKPpdf	PKPpdf	21 13 50.7 -0.6
ABTA	Abfaltersbach	148.24 347 ePKPpdf	PKPpdf	21 13 50.7 -0.7
FETA	Feichten	148.31 350 ePKPbc	PKPbc	21 13 51.8 0.0
DAVOX	Davos/Dischmat	148.68 351 PKPbc	PKPbc	21 13 49.8 +0.1

ISK 19 20:57:42.4, 39°64N,43°72E, h20km, ML1.8/3
 ISCJB 19 20:57:43.2, 0.6, 39°65N, 0°04:43.72E, 0.05, h9km, 6km,
 Error ellipse: s-maj=7.3km s-min=4.5km az=44.4
 DDA 19 20:57:43.2, 39°65N,43°72E, h7km, ML2.6
 ISC 19 20:57:42.8, 1.1, 39°65N, 0°04:43.72E, 0.04, h12km, 8km,
 n9, c0934/16, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
DYDN	Diyadin	0.11 190	Op	20 57 45.9 -0.1	P
DYDN	Diyadin		IS	20 57 48.4 +0.1	P
IGDI	IGDIR	0.35 52	IS	20 57 50.1 +0.2	P
IGDI	IGDIR		IS	20 57 56.2 -0.4	P
TASS	TASBURUN-IGDIR	0.52 50	PG	20 57 53.5 +0.5	P
TASS	TASBURUN-IGDIR		IS	20 58 01.6 +0.1	P
CLDR	Caldiran	0.53 163	PG	20 57 53.2 -0.1	P
CLDR	Caldiran	0.53 163	IS	20 57 53.4 +0.1	P
CLDR	Caldiran		IS	20 58 00.3 -0.1	P
AGRB	Hanur-Agry	0.56 262	PG	20 57 54.0 +0.2	P
AGRB	Hanur-Agry		IS	20 58 00.6 +0.3	P
VMUR	Van-Muradiye	0.67 190	IS	20 57 56.2 -0.3	P
VMUR	Van-Muradiye		IS	20 58 06.7 +0.8	P
TUTA	Tutak	0.74 251	IS	20 57 57.7 -0.1	P
TUTA	Tutak		IS	20 58 07.9 0.0	P
GNI	Garni	0.93 58	PG	20 58 00.6 -0.2	P

ISCJB 19 21:09:24.0, 40.7, 44°76N, 0°08:143°3E, 0.1, h266km, 6km,
 mb3.1/3, Error ellipse: s-maj=13.2km s-min=11.5km
 az=35.2

JMA 19 21:09:24.9, 0.4, 44°91N, 143°20E, h258km, 4km, M3.1
 IDC 19 21:09:24.9, 3.3, 45°01N, 143°30E, h251km, 65km, mb3.0/3,
 mb1.3/0.4, mb1mx2.7/66, mbtmp3.6/4, Error ellipse:
 s-maj=217.0km s-min=6.1km az=175.0
 ISC 19 21:09:24.9, 1.2, 44°80N, 0°09:143°27E, 0.09, h261km, 8km,
 n20, c09952/9, mb3.1/3, Hokkaido region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
JSE	Soyaes	0.52 289	P	21 09 58.4 -0.6	Pn
JMP	Muraseppu	0.78 175	P	21 10 00.5 +0.3	Pn
ASAJ	Asahikawa	0.83 216	P	21 10 00.3 0.0	S
ASAJ	Asahikawa		S	21 10 28.2 +0.1	S
ASAJ	Asahikawa	0.83 216	P	21 10 08.0 +0.5	Pn
ASAJ	Asahikawa		eS	21 10 28.7 +0.5	Pn
JTKR	Abashiri-Toko	0.94 151	P	21 10 01.5 +0.7	Pn
JTKR	Abashiri-Toko		eS	21 10 29.6 +0.5	S
JKK2	Kamakawa	1.00 202	P	21 10 18.8 +0.7	Pn
JSS	Shosan	1.09 249	P	21 10 10.9 +0.4	Pn
JWK2	Keihoku	1.10 299	P	21 10 01.1 -0.5	Pn
JYG	Yagishiri	1.37 255	P	21 10 02.9 -0.4	Pn
JAR	Ashoroobuto	1.54 166	eS	21 10 43.6 +1.3	Pn
JAR	Ashoroobuto		eS	21 10 37.2 +1.2	Pn
JRA	Rausu	1.58 122	P	21 10 06.1 +1.3	Pn
JAK	AKeshi	2.07 150	P	21 10 09.4 +0.5	Pn
JAK	AKeshi		eS	21 10 42.6 -1.2	Pn
JCH	Churui	2.18 178	P	21 10 10.0 0.0	Pn
JCH	Churui		eS	21 10 43.6 +1.3	Pn
NEM2	Nemuro 2	2.29 128	P	21 10 10.1 -0.8	Pn
NEM2	Nemuro 2		eS	21 10 45.2 -2.0	Pn
JNBK	Urakawa-nobuka	2.54 189	P	21 10 14.1 +0.7	Pn
JNBK	Urakawa-nobuka		eS	21 10 51.1 -0.7	Pn
JKB	Kayabe	3.03 210	P	21 10 22.1 +0.4	Pn
JKB	Kayabe		eS	21 11 05.3 +1.5	Pn
USRK	Ussuriysk Ar.	8.09 270	P	21 11 19.4 +0.1	Pn
USRK	0.2nm,0.3s,baz=97,slow=12,SNR=4.8				
SONM	Songino Array	25.50 290	P	21 14 30.1 +0.5	P
SONM	0.7nm,0.3s,baz=90,slow=2.2,SNR=4.9				
MKAR	Makanchi Array	41.62 295	P	21 16 48.5 +0.9	P
MKAR	0.3nm,0.5s,baz=78,slow=10.0,SNR=4.1				
KURB	Kurchatov Arra	42.71 302	P	21 16 55.5 -0.6	P
KURB	0.4nm,0.4s,baz=72,slow=9.0,SNR=4.4				

TAP 19 21:11:38.6, 24°37N, 121°48E, h7km, ML3.7, C
 JMA 19 21:11:39.1, 0.1, 24°38N, 121°41E, h5km, M3.1
 ISC 19 21:11:39.2, 0.9, 24°38N, 0°01:121°47E, 0.02, h6km, 7km,
 n84, c0885/141, 29C-3D, Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
NNS	Nan Shan	0.11 304	Op	21 11 41.8 +0.2	ISC
NNS	Nan Shan		IS	21 11 43.5 +0.2	Sg
ENA	Nanau	0.25 79	IS	21 11 44.2 +0.1	Pg
ENA	Nanau		eS	21 11 47.6 +0.2	Pg
NANB	Nanau	0.26 79	IS	21 11 44.2 0.0	Pg
NANB	Nanau		eS	21 11 47.5 -0.2	Sg
ENTT	Nioudou	0.27 18	IS	21 11 44.8 +0.2	Pg
ENTT	Nioudou		IS	21 11 48.5 +0.3	Sg
TWT	Tachien	0.30 245	IS	21 11 45.6 -1.5	Pg
TWT	Tachien		S	21 11 49.8 -2.5	Sb
WHF	Hehuan Shan	0.30 219	IS	21 11 45.3 +0.1	Pg
WHF	Hehuan Shan		IS	21 11 49.5 +0.3	Sg
NSK	Sanguang	0.31 341	IS	21 11 49.7 +0.4	Pg
NSK	Sanguang		eS	21 11 49.9 +0.4	Sg
TWD	Chiawan	0.32 159	eP	21 11 45.8 +0.4	Pg
TWD	Chiawan		eS	21 11 50.1 +0.5	Sg
TWE	Neicheng	0.38 27	IS	21 11 46.9 +0.3	Pg
TWE	Neicheng		eS	21 11 52.0 +0.3	Sg
NWLT	Wulai	0.40 4	eP	21 11 47.3 +0.3	Pg
NWLT	Wulai		eS	21 11 52.7 +0.1	Sg
TWC	Suao	0.41 56	IS	21 11 47.1 -0.1	Pg
TWC	Suao		S	21 11 52.7 +0.1	Sg
HWA	Hwallien	0.42 163	eP	21 11 48.2 -0.8	Pb
HWA	Hwallien		eS	21 11 54.7 -0.9	Sb
ENLB	Shoufeng	0.49 166	eP	21 11 49.3 -0.9	Pb
LIOB	Emei	0.49 303	IS	21 11 49.8 -0.5	Pb
LIOB	Emei		S	21 11 56.4 -1.4	Sb
NSTT	Nanjuang	0.50 300	IS	21 11 49.8 -0.6	Pb
NSTT	Nanjuang		S	21 11 56.0 -1.9	Sb
WLTB	Daxi	0.51 377	eP	21 11 50.4 -0.2	Pb
WLTB	Daxi		eS	21 11 57.3 -1.1	Sb
ESL	Shilin	0.56 184	IS	21 11 50.1 +0.1	Pg

ESL	baz=174	eS	Sg	21 11 57.9 +0.5		
NTC	Toucheng	0.57 34	eP	Pg	21 11 50.0 -0.2	
NTC	Toucheng		eS	Pg	21 11 57.9 +0.1	
TATO	Taipei	0.59 1	P	Pb	21 11 51.3 -0.7	
TATO	Taipei		eS	Sg	21 11 58.1 -0.3	
DPDB	Guoxing	0.61 235	IS	P	Pg	21 11 51.3 -0.9
EOS1	ECOS	0.62 74	P	Pb	21 11 51.5 +0.3	
HSN	Hsinchu	0.62 313	eP	Pn	21 11 53.3 -1.3	
HSN	Hsinchu		eS	Sb	21 12 01.5 0.0	
EGS	baz=317					

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CHN8 Yiju, CHN8 Lutoo, SSD Sandimen, etc.

KRSC 19:21:34.24.8z.1, 48.08N-156.48E, h60km, 60km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KODR Khodutka, RUS Ruskaya, etc.

ISCJB 19:21:35.34.7z.1, 37.88S-0.08W, 179.64W-0.08, h31km, mb3.8/3, Error ellipse: s-maj=12.6km s-min=7.2km az=34.3

NEIC 19:21:35.34.7z.0.0, 37.55S-179.59W, h37km, ML2.4(WEL), After WEL

ISC 19:21:35.35.3z.2.9, 36.93S-179.75E, h0km, mb3.9/3, mb1.4/1.4, mb1mx3.7749, mbtmp3.8/4, ML3.4/1, Error ellipse: s-maj=33.4km s-min=40.0km az=149.0

ISC 19:21:35.36.5z.1.2, 37.92S-0.08W, 179.81W-0.07, h31km, n26, c1877/31, mb3.8/3, East of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WMGZ Waioamatani S, PUZ Puketiti, MXZ Matakoao Point, etc.

ISCJB 19:21:42:55.9z.0.6, 1.24S-0.05x120.03E-0.08, h10km, mb3.4/3, MS2.9/2, Error ellipse: s-maj=12.0km s-min=7.6km az=179.9

ISC 19:21:42:56.5z.1.7, 0.06S-121.92E, h0km, mb3.5/3, mb1.3/7.3, mb1mx3.2/60, mbtmp3.5/3, MS3.0/2, Ms1 3.0/2, ms1mx2.6/41, Error ellipse: s-maj=199.2km s-min=26.7km az=60.0

DJA 19:21:42:56.4z.0.3, 1.3S-3.12E, h10km, M4.0/10, ML4.0/10

ISC 19:21:42:57.0z.1.0, 1.23S-0.05x120.03E-0.08, h10km, n14, c1841/12, mb3.5/3, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PCI Palu, MPFI Mapaga, APFI Ampapa, etc.

ISCJB 19:22:09:01.4z.0.4, 28.88S-0.07x13.02W-0.09, h11km, mb4.3/24, MS4.3/9, Error ellipse: s-maj=12.4km s-min=9.7km az=30.6

ISC 19:22:09:01.2z.0.6, 28.88S-13.00W, h0km, mb4.0/18, mb1.4/2.18, mb1mx3.0/52, mbtmp4.0/18, MS4.4/9, Ms1 4.3/9, ms1mx3.9/52, Error ellipse: s-maj=18.5km s-min=15.8km az=126.0

NEIC 19:22:09:02.8z.0.4, 28.84S-13.02W, h10km, mb4.7/12, Error ellipse: s-maj=12.0km s-min=9.4km az=137.0

GCMT 19:22:09:05.8z.0.3, 28.97S-0.02x12.76W-0.02, h14km, 1km, MW5.0/69, Moment Tensor Solution, s33,c40; s69,c95; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-0.81±.19; Mss-2.27±.20; Mss-3.08±.21; Mss-0.31±.37; Mss-3.68±.15;

Mrr-1.17±.39; Best double couple: M=4.71400x10^16 NP1.9z343.0000z.0.877.0000z.0.164.0000z.0. NP2: 9z252.0000z.0.874.0000z.0.163.0000z.0. Principal axes: T 5.0940, Plg9.0000z. Azm116.0000z; N -0.7580, Plg74.0000z. Azm354.0000z; P -4.3350, Plg13.0000z. Azm208.0000z; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

ISC 19:22:09:03.2z.0.5, 28.92S-0.10x13.02W-0.09, h11km, n57, c1942/47, mb4.3/24, MS4.4/9, 1D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H10S2 ASCENSION HYDR1.91 355 T, H10S3 ASCENSION HYDR1.92 355 T, etc.

n16..c069/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DYDN Diyardin, IDGI IGDIR, CLDR Caldiran, etc.

TAP 19:22:20:27.9z.24.37N-121.48E, h6km, ML3.7, C JMA 19:22:20:29.1z.0.1, 24.37N-121.44E, h11km, M3.1

ISC 19:22:20:28.6z.0.9, 24.38N-0.02x121.48E-0.02, h6km, 8km, n83, c076/109, 7C, Taiwan

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like TWFI Yuli, CHNS Tsauling, WGK Gukeng, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MANU Manaus Island, JAY Jayapura, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EIDS Eidsvold, KMSI Cibinong, AS01 Alice Springs, etc.

IDC 1922:28:36.5, 1.3, 0.50S, 135.11E, h0km, mb3.7/4, mb1 4.0/7, mb1mx3.6/58, mbtmp3.8/7, ML3.9/3, Error ellipse: s-maj=40.4km s-min=20.9km az=87.0

ISC/JB 1922:28:40.0, 0.9, 0.6S, 0.1, 134.95E, 0.08, h34km, mb3.7/4, Error ellipse: s-maj=15.9km s-min=12.0km az=5.2

ISC 1922:22:41.6, 1.0, 2.5S, 101.135, 0E, 0.1, h34km, n10, -0.52/8, mb3.8/4, Irian Jaya region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like SIJI Sorong, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

IDC 1922:35:00.2, 5.7, 18.23S, 176.46W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/51, mbtmp3.8/3, Error ellipse: s-maj=289.7km s-min=47.6km az=148.0, Fiji Islands region

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

BUI 1922:41:43.1, 5.1, 12.5S, 145.35E, h77km, mb5.7/79, mb6.0/67, MS5.7/94, MS7.5/81

MOS 1922:41:48.4, 1.1, 4.69S, 144.62E, h70km, mb6.1/82, MS5.6/50, Error ellipse: s-maj=1.7km s-min=4.6km az=111.1

ISC/JB 1922:41:48.9, 0.5, 4.78S, 0.02, 144.62E, 0.02, h77km, 4km, mb5.8/356, Error ellipse: s-maj=3.0km s-min=2.6km az=24.8

IDC 1922:41:49.1, 1.3, 4.79S, 144.60E, h68km, 1km, mb5.5/48, mb1 5.6/54, mb1mx5.6/55, mbtmp3.9/54, MS5.5/48, MS1.5/48, ms1mx5.5/52, Error ellipse: s-maj=8.3km s-min=6.4km az=85.0

NEIC 1922:41:49.8, 0.1, 4.77S, 144.57E, h73km, mb6.0/232, ME6.2, MW6.2, MW6.2, MW6.2, Error ellipse: s-maj=2.8km s-min=2.7km az=99.0, Moment Tensor Solution. s46

Moment tensor: Scale 10^18Nm; Mr:1.95; Mw:1.61; Mw-0.34; Mw-1.67; Mw-0.66; Mw-0.35; Best double couple: M2:6.00000e+18 NP1:106.00000e+18, 0.66.00000e+18, 0.00000e+18 NP2:299.00000e+18, 0.25.00000e+18, 0.12.00000e+18 Principal axes: T 2.6100, Plg69.0000, Azm5.0000; N 0.0900, Plg5.0000, Azm108.0000; P -2.5300, Plg21.0000, Azm200.0000; Broadband fault plane solution: P waves NP1:106.00000e+18, 0.66.00000e+18, 0.00000e+18 NP2:115.00000e+18, 0.70.00000e+18, 0.90.00000e+18 Principal axes: T Plg65.0000, Azm25.0000; N Plg0.0000, Azm0.0000; P Plg25.0000, Azm205.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism. NEIC Felt at Goroka, Lae, Madang, Mendi, Mount Hagen, Tari

and Wewak. NEIC 1922:41:50.0, 0.0, 4.85S, 144.58E, h80km, Moment Tensor Solution. s58 Moment tensor: Scale 10^18Nm; Mr:1.91; Mw-1.78; Mw-0.13; Mw-1.99; Mw-0.46; Mw-0.33; Best double couple: M2:8.00000e+18 NP1:101.00000e+18, 0.68.00000e+18, 0.87.00000e+18 NP2:288.00000e+18, 0.22.00000e+18, 0.22.00000e+18 Principal axes: T 2.7900, Plg6.0000, Azm5.0000; N -0.0200, Plg2.0000, Azm101.0000; P -2.7700, Plg23.0000, Azm192.0000; DJA 1922:41:52.3, 0.4, 5.3, 141.5E, h87km, 3km, M6.0/85, mb6.1/85, mb6.3/79, MLV6.9/4, MW(m)6.0/79, Mw6.0/24 GCMT 1922:41:54.8, 0.1, 4.92S, 141.60E, h90km, MW6.2/150, Moment Tensor Solution. s150, c377, s144, c528, Duration: 3s Moment tensor: Scale 10^18Nm; Mr:2.09; Mw-0.02; Mw-2.10; Mw-0.01; Mw-0.01; Mw-0.01; Mw-0.57; Mw-0.44; 0.1; Best double couple: M2:98.100e+18 NP1:103.00000e+18, 0.67.00000e+18, 0.89.00000e+18 NP2:285.00000e+18, 0.23.00000e+18, 0.92.00000e+18 Principal axes: T 2.9500, Plg68.0000, Azm11.0000; N 0.1050, Plg21.0000, Azm103.0000; P -3.0560, Plg22.0000, Azm194.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function CNRM 1922:42:05.6, 4.2, 5.0S, 144.44E, h68km, Moment Tensor Solution. s18 Moment tensor: Scale 10^18Nm; Mr:2.30; Mw-2.26; Mw-0.03; Mw-1.80; Mw-0.32; Mw-0.56; Best double couple: M3:3.00000e+18 NP1:272.00000e+18, 0.26.00000e+18, 0.80.00000e+18 NP2:104.00000e+18, 0.65.00000e+18, 0.95.00000e+18 Principal axes: T 2.9800, Plg70.0000, Azm24.0000; N -0.0100, Plg4.0000, Azm282.0000; P -2.9700, Plg20.0000, Azm190.0000;

ISC 1922:41:50.2, 0.3, 4.85S, 144.65E, 0.03, h80km, 2km, h80km, p-P, n1704, e1933/1829, mb5.9/340, 88C-79D, Near north coast of New Guinea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like MANU Manaus Island, JAY Jayapura, GENI Genyem, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like EIDS Eidsvold, KMSI Cibinong, AS01 Alice Springs, etc.

19d 22h

Table with columns: CBJ, Chichi jima, 31.85 356 eP, P, 22 48 06.4 -1.3, etc. Lists various locations and their associated data points.

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Table with columns: GZH, GZH, GZH, GZH, etc. Lists various locations and their associated data points.

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Table with columns: SKNT, Sakolnakorn, 45.66 299 P, P, 22 50 03.3 0.0, etc. Lists various locations and their associated data points.

Table with columns for station code, name, frequency, and various signal quality metrics (e.g., SNR, SNR=127, etc.). Includes stations like Kunming, Chiang Mai, and Chengdu.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like Baotou, Lanzhou, Gornyy, and Hailar.

Table with columns for station code, name, frequency, and various signal quality metrics. Includes stations like ODAN, POHA, HMH, MLH, and many others.

Main table containing multiple columns of data including names, dates, times, and various alphanumeric codes. The table is organized into several vertical sections, each starting with a name or acronym (e.g., NACGM, ANTO, SORM, etc.) and followed by a grid of data points.

P40A	Paris	118.45	47	P	PKPdf	23 00 29.5 +0.5
BRG	Berggiesshubel	118.47	327	i	PKIKP	23 00 29.1 +0.4
BRG				S	PS	23 01 45.0
BRG				S	PS	23 11 35.0 +1.1
BRG	comp=Z,32nm,0.9s				pmx	
BRG	comp=Z,32nm,0.9s				pmx	
BRG	comp=N,3um,23.5s				MLR	MLR
BRG	comp=E,2um,21.6s				MLR	MLR
BRG	comp=Z,4um,20.8s				MLR	MLR
GOPC	GO Pecny, Ondr	118.48	326	e	PKPK	23 00 29.8 +1.0
GOPC				e	PP	23 01 46.3 +0.1
GOPC				e	SDIF	23 09 28.6
GOPC				e	PKPK	23 10 47.7 -0.2
GOPC				e	PS	23 11 34.6 +0.4
GOPC				e	SS	23 18 04.8 +7.8
GOPC				e	AMS	23 50 50.0
GOPC	comp=Z,3um,21.0s					
GOPC	GO Pecny, Ondr	118.48	326	e	PKIKP	23 00 29.8 +1.0
GOPC				e	SP	23 01 46.3 +0.1
GOPC				e	MLR	23 11 34.6 +1.1
GOPC	comp=Z,3um,21.0s					
H4P5	Han Pjisesak, BI	118.50	318	e	PKPdf	23 00 28.6 -0.5
SOP	Sopor	118.51	323	e	PKPK	23 00 30.1 +1.2
JAP1	Jewell Farm	118.54	43	P	PKPdf	23 00 27.9 -1.2
JFWS	Jewell Farm	118.55	43	e	PKPK	23 00 28.4 +0.7
JFWS	Jewell Farm	118.55	43	e	PKIKP	23 00 28.4 +0.7
JFWS	Jewell Farm	118.55	43	P	PKPdf	23 00 28.3 -0.8
PRU	Pruhonice	118.59	326	e	PKPK	23 00 29.4 +0.4
PRU				e	PP	23 01 48.6 +1.7
PRU				e	PKPK	23 10 46.7 -0.8
PRU				e	PS	23 11 37.3 +2.3
PRU				e	SS	23 18 07.7 +9.4
PRU				e	AMS	23 50 50.0
PRU	comp=Z,4um,24.1s					
PRU	Pruhonice	118.59	326	e	PKIKP	23 00 29.4 +0.4
PRU				e	SP	23 01 48.6 +1.7
PRU				e	SS	23 11 37.3 +2.3
PRU				e	MLR	23 18 07.7 +9.4
PRU	comp=Z,4um,24.1s					
Q40A	Laux Farm, Aux	118.60	48	P	PKPdf	23 00 28.7 -0.6
PRA	Prague	118.61	326	e	PKPK	23 00 29.7 +0.7
PRA				e	PP	23 01 47.8 +0.8
PRA				e	AMS	23 50 50.0
PRA	comp=Z,4um,21.9s					
PRA	Prague	118.61	326	e	PKIKP	23 00 29.7 +0.7
PRA				e	MLR	23 01 47.8
PRA				e	MLR	
K41A	Shultsburg	118.63	44	P	PKPdf	23 00 29.4 +0.2
R40A	Maddies Statio	118.68	49	e	PKPK	23 00 30.0 +0.5
R40A	Maddies Statio	118.68	49	P	PKPdf	23 00 29.7 +0.3
S40A	Lebanon	118.71	50	P	PKPdf	23 00 29.1 -0.5
MIAR	Mount Ida	118.72	53	e	PKPK	23 00 31.2 +1.5
MIAR	Mount Ida	118.72	53	P	PKPdf	23 00 31.1 +1.5
ITM	Lebanon	118.73	310	e	PKPK	23 00 30.5 +0.9
CLL	Collm	118.75	328	e	PKPK	23 00 29.0 -0.3
CLL	Collm	118.75	328	e	PKPK	22 56 50.0 +0.1
CLL	Collm	118.75	328	i	PKIKP	23 00 28.9 -0.3
CLL	comp=Z,45nm,1.0s					
CLL				e	PP	23 01 47.0 -1.0
CLL				e	PP	23 02 24.0
CLL				e	PP	23 04 24.0
CLL				e	SDIF	23 09 24.0 -6.9
CLL				e	PKPK	23 10 45.0 -1.9
CLL	comp=Z,19nm,1.0s					
CLL				e	PKPK	23 11 10.0
CLL				e	PS	23 11 19.0
CLL				e	PS	23 11 35.0 -1.4
CLL				e	SS	23 12 10.0
CLL				e	PKPK	23 12 12.0
CLL				e	PKK	23 14 49.0 -4.9
CLL				e	SS	23 18 06.0 +5.8
CLL				e	SS	23 18 48.0
CLL				e	SSS	23 22 24.0
CLL				e	SSS	23 24 48.0
CLL				e	SSS	23 30 00.0
CLL				e	Lmax	23 51 00.0
CLL	Collm	118.75	328	i	PKIKP	23 00 28.9 -0.3
CLL				e	PS	23 05 53.8
CLL				e	pmx	23 01 47.0
CLL	comp=Z,45nm,1.0s					
U40A	Yellville	118.80	51	P	PKPdf	23 00 29.5 -0.3
DOB	Doboj	118.80	319	e	PKPK	23 00 30.0 +0.5
CONA	Conrad Observa	118.81	323	e	PKIKP	23 00 29.8 +0.2
CONA				e	PKPK	23 10 45.7 -1.0
T40A	Mansfield	118.83	52	P	PKPdf	23 00 29.6 -0.3
G42A	Mountain	118.84	40	e	PKPK	23 00 29.1 -0.5
G42A	Mountain	118.84	40	P	PKPdf	23 00 29.1 -0.5
PDO	Prodromos	118.86	312	P	PKPK	23 00 30.4 +0.6
UPM	Unac-Piva	118.88	317	e	PKPK	23 00 29.4 -0.6
BEHE	Becsehely	118.91	321	e	PKPK	23 00 29.4 -0.3
BEHE	Becsehely	118.91	321	e	PKPK	23 00 29.0 -0.7
N41A	Harden Midland	118.92	46	e	PKPK	23 00 30.6 +0.7
PDG	Podgorica	118.93	316	i	PKPK	23 00 29.1 -0.7
PDG	Podgorica	118.93	316	i	PKPK	23 10 47.1 +1.1
PDG	Podgorica	118.93	316	e	PKPK	23 00 28.6 -1.2
TTG	Podgorica	118.93	316	e	PKPK	23 00 28.6 -1.2
TTG	Podgorica	118.93	316	e	PKPK	23 00 28.6 -1.2
W40A	Ferguson Farm,	118.95	52	e	PKPK	23 00 32.5 +2.4
V40A	Witts Springs	118.98	52	e	PKPK	23 00 29.9 -0.4
V40A	Witts Springs	118.98	52	P	PKPdf	23 00 29.8 -0.4
LRW	Lerwick	119.03	341	e	PKPK	23 00 29.5 0.0
LRW				e	IAMS_20	23 47 42.8
DRME	Dracevica, Mon	119.07	316	e	PKPK	23 00 30.0 -0.1
I42A	Draeger Farm,	119.07	42	e	PKPK	23 00 30.0 -0.1
O41A	Passleys Farm,	119.11	46	P	PKPK	23 00 30.1 -0.1
P41A	Barry Barry	119.12	47	P	PKPK	23 00 30.9 +0.6
LK2D	Lefkada island	119.19	312	P	PKPK	23 00 30.8 +0.3
LK2D	Lefkada island	119.19	312	P	PKPK	23 00 30.8 +0.3
K42A	Prairie Point,	119.22	43	P	PKPK	23 00 29.8 -0.7
SGD	Sagaida	119.23	313	P	PKPK	23 00 30.8 +0.3
B41A	Truxton	119.24	48	P	PKPK	23 00 30.8 +0.2
QRY	Bratogost	119.24	317	e	PKPK	23 00 30.3 +0.3
EVGI	Lefkada island	119.25	312	P	PKPK	23 00 30.4 -0.2
KOGS	Kog	119.25	322	e	PKPK	23 00 29.5 -0.9
E43A	Lone Tree Farm	119.26	38	P	PKPK	23 00 30.9 +0.6
S41A	Jilico Farms,	119.28	49	P	PKPK	23 00 30.6 -0.1
L42A	Oliver, Polo	119.29	44	e	PKPK	23 00 29.7 -0.9
L42A	Oliver, Polo	119.29	44	P	PKPK	23 00 29.8 -0.7
G43A	Wallace	119.31	40	e	PKPK	23 00 30.5 0.0
G43A	Wallace	119.31	40	P	PKPK	23 00 30.2 -0.2
ANGG	Ammassalik, Gr	119.32	1	e	PKPK	23 00 29.1 -0.8
ARSA	Arzberg	119.33	323	i	PKPK	23 00 30.4 -0.1
ARSA				e	PKPK	23 10 44.3 -0.5
ARSA	comp=Z,6.4nm,0.7s					
R41A	Rosobud	119.34	48	P	PKPK	23 00 30.9 +0.1
FSK	Fiskardo	119.37	312	P	PKPK	23 00 30.6 -0.2
BLY	Banja Luka	119.39	320	i	PKPK	23 00 31.3 +0.6
BLY	Banja Luka	119.39	320	i	PKPK	23 00 46.8 +2.4
BLY	Banja Luka	119.39	320	e	PKPK	23 00 30.5 -0.2

BLY	Banja Luka	119.39	320	e	PKPK	23 00 29.5 -1.2
T41A	Mountain View	119.44	50	P	PKPK	23 00 31.2 +0.2
TREB	Trebinje	119.44	317	e	PKPK	23 00 30.5 -0.3
HCI	Herceg Novi	119.44	317	e	PKPK	23 00 30.0 -0.8
N42A	Yates City	119.46	45	P	PKPK	23 00 30.2 -0.7
V41A	Mountainview	119.50	51	P	PKPK	23 00 31.3 +0.1
CCM	Cathedral Cave	119.52	49	e	PKPK	23 00 31.4 +0.3
CCM	Cathedral Cave	119.52	49	e	PKPK	23 00 31.4 +0.3
CCM	Cathedral Cave	119.52	49	P	PKPK	23 00 31.4 +0.3
U41A	Viola	119.53	51	P	PKPK	23 00 30.5 -0.7
WHAR	Woolly Hollow	119.54	52	e	PKPK	23 00 31.5 +0.3
KHC	Kasperske Hory	119.56	325	e	PKPK	23 00 31.4 +0.5
KHC				e	PKPK	23 01 15.5
KHC				e	PKPK	23 01 52.9 -0.8
KHC				e	PKPK	23 10 42.9 -1.1
KHC				e	PKPK	23 11 08.0
KHC				e	PKPK	23 11 39.7 -4.2
KHC				e	PKPK	23 18 21.0 +1.0
KHC				e	PKPK	23 51 20.0
KHC	comp=Z,4um,23.8s					
KHC	Kasperske Hory	119.56	325	e	PKPK	23 00 30.3 -0.7
KHC	Kasperske Hory	119.56	325	e	PKPK	23 00 31.4 +0.5
KHC				e	PKPK	23 01 52.9
KHC				e	PKPK	23 11 39.7 +6.2
KHC				e	PKPK	23 18 21.0 +0.3
KHC	comp=Z,4um,23.8s					
X41A	Kaden, Bauxite	119.58	53	P	PKPK	23 00 31.6 +0.3
I43A	Langensfeld Bro	119.58	41	P	PKPK	23 00 30.3 -0.8
W41B	Gary Mavity, V	119.61	52	e	PKPK	23 00 31.2 -0.1
W41B	Gary Mavity, V	119.61	52	P	PKPK	23 00 31.3 -0.1
J43A	Natural Harves	119.61	42	P	PKPK	23 00 29.5 -1.6
NKC	Novy Kostel	119.62	327	e	PKPK	23 00 31.6 +0.6
NKC				e	PKPK	23 01 53.3 -0.7
NKC				e	PKPK	23 10 43.8 0.0
NKC				e	PKPK	23 12 12.0 -2.5
NKC				e	PKPK	23 18 21.7 +1.0
NKC				e	PKPK	23 52 30.0
NKC	comp=Z,4um,22.2s					
NKC	Novy Kostel	119.62	327	e	PKPK	23 00 31.6 +0.6
NKC				e	PKPK	23 01 53.3 -0.7
NKC				e	PKPK	23 11 42.0 +8.0
NKC				e	PKPK	23 18 21.7 +1.1
NKC				e	PKPK	23 52 30.0
GE2C	GERESS Array S	119.63	325	e	PKPK	

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Table with columns for station call letters, frequency, power, and various status indicators. Includes stations like SNF, O49A, P49A, W48A, etc., and their respective details.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like PMAR, HUMP, FUL, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like VRTB, VRTM, ERZURUM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like ATGJ, ATGZ, SIYZ, etc.

ISCJB 19 22:51:48.8, 1.2, 4.6S:0.1, 145.0E:0.2, h38km, mb4.2/3, Error ellipse: s-maj=25.2km s-min=11.8km az=153.2

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like JAY, PMG, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like GANJ, GANU, GANV, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like TOKT, TOKZ, KMRS, etc.

ISC 19 22:51:50.0, 1.1, 4.5S:0.1, 145.0E:0.2, h38km, n8, c2=17/8, mb4.2/3, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like DYDN, IGDIR, TASSB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like LACR, DIGR, KTUT, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like VTS, VTS, VTS, etc.

0.4nm,0.2s,baz=60,slow=7.6,SNR=2.8

MKAR	Makanchi Array	48.95 296 P	P	23 56 28.6	+3.1
FINES	FINES Array B	58.95 308 P	P	23 57 40.4	+2.2
WRA	Warramunga Arr	78.77 238 P	P	23 59 42.0	0.0
WRA	Warramunga Arr	78.77 208 P	P	23 59 42.0	0.0
ASAR	Alce Springs	82.44 207 P	P	00 00 00.5	-1.1

NEIC 19 23:58:18.4±1.9, 47.70N:128.57W, h10km, mb3.9/1, MW3.5(OTT), Error ellipse: s-maj=22.0km s-min=5.3km az=52.0

PGC 19 23:58:17.9±1.1, 47.77N:128.74W, h5km, ML2.9/33, MW3.5, 258km Wsw of Tofino, Bc Off Coast Of Washington, Off coast of Washington

Code	Station Name	Δ° AZ'	Op	ISC	Time	Res
					h m s	ISC
KEMF	NEPTUNE Canada	0.30 307 P	P	Sg	23 58 23.2	-0.5
KEMF	NEPTUNE Canada	0.30 307 P	P	Pg	23 58 27.9	+0.3
NC27	ODP1027	0.66 90 P	P	Pg	23 58 30.1	-0.4
NC27	ODP1027	0.66 90 P	P	Pg	23 58 44.2	+0.1
NC89	ODP889	1.55 54 P	P	Pg	23 59 07.7	+0.1
NC89	ODP889	1.55 54 P	P	Pg	23 59 07.7	+0.1
NC89	Barkley Canyon	1.84 68 P	P	Sb	23 59 12.9	-0.7
ETB	Estevan Point	2.17 41 P	P	Sb	23 58 54.6	0.0
ETB	Estevan Point	2.17 41 P	P	Sb	23 59 20.1	-1.8
ETB	Estevan Point	2.17 41 P	P	Sb	23 59 20.1	-1.8
TOFB	Tofino	2.34 53 P	P	Pn	23 58 55.7	-1.2
TOFB	Tofino	2.34 53 P	P	Sb	23 59 24.2	-1.8
EDB	Eliza Dome	2.36 26 P	P	Pn	23 58 57.0	-0.2
EDB	Eliza Dome	2.36 26 P	P	Pn	23 58 57.0	-0.2
UCJulet	UCJulet	2.42 60 P	P	Sb	23 59 46.5	+1.6
B012	Mount Ozzard	2.47 60 P	P	Sb	23 58 57.3	-1.5
OZB	Mount Ozzard	2.47 60 Pn	Pn	Pn	23 58 57.3	-1.5
OZB	Mount Ozzard	2.47 60 Pn	Pn	Pn	23 59 27.5	-1.9
BPBC	Brooks Peninsula	2.47 15 Pn	Pn	Pn	23 58 58.3	-0.6
BPBC	Brooks Peninsula	2.47 15 Pn	Pn	Pn	23 58 58.3	-0.6
B928	Bamfield	2.63 65 Pn	Pn	Pn	23 59 31.4	-1.8
B928	Bamfield	2.63 65 Pn	Pn	Pn	23 58 59.3	-1.6
B928	Bamfield	2.63 65 Pn	Pn	Pn	23 59 45.9	+0.3
GDR	Gold River	2.69 41 Pn	Pn	Pn	23 59 01.9	+0.1
GDR	Gold River	2.69 41 Pn	Pn	Pn	23 59 01.9	+0.1
BTB	Buttle Lake	2.73 50 P	P	Sb	23 59 01.4	-1.0
BTB	Buttle Lake	2.73 50 Pn	Pn	Sb	23 59 35.0	-0.9
BTB	Buttle Lake	2.73 50 Pn	Pn	Sb	23 59 01.4	-1.0
WOSB	Woss	2.79 30 Pn	Pn	Pn	23 59 03.9	+0.7
WOSB	Woss	2.79 30 Pn	Pn	Pn	23 59 03.9	+0.7
MAYB	Maynard	2.83 21 Pn	Pn	Pn	23 59 04.1	+0.3
MAYB	Maynard	2.83 21 Pn	Pn	Pn	23 59 04.1	+0.3
HOLB	Holberg	2.90 8 Pn	Pn	Pn	23 59 04.8	+0.1
HOLB	Holberg	2.90 8 Pn	Pn	Pn	23 59 04.8	+0.1
HOLB	Holberg	2.90 8 Pn	Pn	Pn	23 59 04.8	+0.1
HOLB	Holberg	2.90 8 Pn	Pn	Pn	23 59 04.8	+0.1
OFR	Olym-F Res Ctr	2.93 85 Pn	Pn	Pn	23 59 03.6	-1.4
OFR	Olym-F Res Ctr	2.93 85 Pn	Pn	Pn	23 59 03.6	-1.4
SRLB	Sirathona Par	2.94 43 Pn	Pn	Pn	23 59 05.9	+0.3
MG	Mount Grey	2.96 64 P	P	Sb	23 59 04.1	-1.5
MG	Mount Grey	2.96 64 P	P	Sb	23 59 39.7	-2.0
MG	Mount Grey	2.96 64 Pn	Pn	Pn	23 59 04.1	-1.5
MG	Mount Grey	2.96 64 Pn	Pn	Pn	23 59 39.7	-2.0
B927	Port Alberni	2.99 59 Pn	Pn	Pn	23 59 04.5	-1.3
B927	Port Alberni	2.99 59 Pn	Pn	Pn	23 59 04.5	-1.3
B927	Port Alberni	2.99 59 Pn	Pn	Pn	23 59 04.5	-1.3
B927	Port Alberni	2.99 59 Pn	Pn	Pn	23 59 04.5	-1.3
TLCB	Telegraph Cove	3.05 23 P	P	Pn	23 59 07.3	+0.7
PHC	Port Hardy	3.06 16 Pn	Pn	Pn	23 59 07.0	+0.1
PHC	Port Hardy	3.06 16 Pn	Pn	Pn	23 59 07.0	+0.1
OB	Olympics-Boni	3.15 83 Pn	Pn	Pn	23 59 06.3	-1.3
OB	Olympics-Boni	3.15 83 Pn	Pn	Pn	23 59 06.3	-1.3
OB	Olympics-Boni	3.15 83 Pn	Pn	Pn	23 59 06.3	-1.3
OB	Olympics-Boni	3.15 83 Pn	Pn	Pn	23 59 06.3	-1.3
NCRB	Newcastle Ridg	3.17 33 P	P	Pn	23 59 44.6	-1.4
NCRB	Newcastle Ridg	3.17 33 P	P	Pn	23 59 44.6	-1.4
CBB	Campbell River	3.17 43 P	P	Sb	23 59 08.8	+0.4
CBB	Campbell River	3.17 43 P	P	Sb	23 59 08.8	+0.4
CBB	Campbell River	3.17 43 Pn	Pn	Sb	23 59 08.8	+0.4
CBB	Campbell River	3.17 43 Pn	Pn	Sb	23 59 46.7	0.0
YOUN	Youbou, Lake C	3.19 68 Pn	Pn	Pn	23 59 07.2	-1.5
YOUN	Youbou, Lake C	3.19 68 Pn	Pn	Pn	23 59 07.2	-1.5
YOUN	Youbou, Lake C	3.19 68 Pn	Pn	Pn	23 59 07.2	-1.5
YOUN	Youbou, Lake C	3.19 68 Pn	Pn	Pn	23 59 07.2	-1.5
B926	Mesachie Lake	3.25 69 Pn	Pn	Pn	23 59 45.9	-1.3
B926	Mesachie Lake	3.25 69 Pn	Pn	Pn	23 59 46.6	-1.9
NLWA	Neilton Lookou	3.32 95 Pn	Pn	Pn	23 59 46.6	-1.9
GHNH	Galiano Island	3.36 61 P	P	Pn	23 59 10.3	-0.5
GHNH	Galiano Island	3.36 61 P	P	Pn	23 59 10.3	-0.5
LZB	Mount Lazard	3.39 74 Pn	Pn	Pn	23 59 09.7	-1.8
LZB	Mount Lazard	3.39 74 Pn	Pn	Pn	23 59 09.7	-1.8
LZB	Mount Lazard	3.39 74 Pn	Pn	Pn	23 59 09.7	-1.8
LZB	Mount Lazard	3.39 74 Pn	Pn	Pn	23 59 09.7	-1.8
WISH	Wishkah	3.43 99 Pn	Pn	Pn	23 59 09.8	-2.1
WISH	Wishkah	3.43 99 Pn	Pn	Pn	23 59 09.8	-2.1
TXB	Texada	3.44 54 P	P	Sb	23 59 11.8	-0.2
TXB	Texada	3.44 54 P	P	Sb	23 59 11.8	-0.2
TXB	Texada	3.44 54 Pn	Pn	Sb	23 59 11.8	-0.2
TXB	Texada	3.44 54 Pn	Pn	Sb	23 59 11.8	-0.2
NLLB	Nanaimo Lost L	3.48 63 Pn	Pn	Pn	23 59 12.1	-0.5
NLLB	Nanaimo Lost L	3.48 63 Pn	Pn	Pn	23 59 12.1	-0.5
NLLB	Nanaimo Lost L	3.48 63 Pn	Pn	Pn	23 59 12.1	-0.5
NLLB	Nanaimo Lost L	3.48 63 Pn	Pn	Pn	23 59 12.1	-0.5
BPCB	Bare Point	3.55 69 Pn	Pn	Pn	23 59 12.2	-1.4
BPCB	Bare Point	3.55 69 Pn	Pn	Pn	23 59 12.2	-1.4
BPCB	Bare Point	3.55 69 Pn	Pn	Pn	23 59 12.2	-1.4
BPCB	Bare Point	3.55 69 Pn	Pn	Pn	23 59 12.2	-1.4
B009	North Saanich	3.64 74 Pn	Pn	Pn	23 59 13.8	-1.0
B009	North Saanich	3.64 74 Pn	Pn	Pn	23 59 57.9	-0.2
PA12	PA12 Sannich	3.64 74 Pn	Pn	Pn	23 59 13.3	-1.5
PGC	Sidney	3.64 74 Pn	Pn	Pn	23 59 13.2	-0.6
PGC	Sidney	3.64 74 Pn	Pn	Pn	23 59 13.2	-0.6
PGC	Sidney	3.64 74 Pn	Pn	Pn	23 59 13.2	-0.6
PGC	Sidney	3.64 74 Pn	Pn	Pn	23 59 13.2	-0.6
B011	North Saanich	3.64 74 Pn	Pn	Pn	23 59 13.3	-1.5
B011	North Saanich	3.64 74 Pn	Pn	Pn	23 59 57.4	-0.6
PA02	PA02 Ocean	3.68 74 Pn	Pn	Pn	23 59 14.4	-0.9
GOBB	Galiano Island	3.68 69 Pn	Pn	Pn	23 59 14.4	-0.9
GOBB	Galiano Island	3.68 69 Pn	Pn	Pn	23 59 14.4	-0.9
VGZ	Gonzales	3.68 78 Pn	Pn	Pn	23 59 13.4	-2.0
VGZ	Gonzales	3.68 78 Pn	Pn	Pn	23 59 13.4	-2.0
SHB	Sechelt	3.70 59 Pn	Pn	Pn	23 59 15.3	-2.0
SHB	Sechelt	3.70 59 Pn	Pn	Pn	23 59 59.0	-0.8
SHB	Sechelt	3.70 59 Pn	Pn	Pn	23 59 15.3	-2.0
SHB	Sechelt	3.70 59 Pn	Pn	Pn	23 59 59.0	-0.8
E03A	Lebam	3.73 107 P	P	Pn	23 59 14.4	-1.7
HDW	Hooodspport	3.84 90 Pn	Pn	Pn	23 59 16.7	-1.0
HDW	Hooodspport	3.84 90 Pn	Pn	Pn	23 59 16.7	-1.0
SNB	Saturna Island	3.85 73 Pn	Pn	Pn	23 59 17.0	-0.7
SNB	Saturna Island	3.85 73 Pn	Pn	Pn	23 59 17.0	-0.7
BBB	Bella Bella	4.44 5 P	P	Sb	23 59 26.8	+1.0
BBB	Bella Bella	4.44 5 Pn	Pn	Sb	23 59 17.4	-0.4
BBB	Bella Bella	4.44 5 Pn	Pn	Sb	23 59 26.8	+1.0
JCW	Jim Creek	4.59 82 P	P	Pn	23 59 27.3	-0.6
JCW	Jim Creek	4.59 82 P	P	Pn	23 59 27.3	-0.6
VDB	Vedder Mountain	4.59 72 Pn	Pn	Pn	23 59 27.0	-0.9
VDB	Vedder Mountain	4.59 72 Pn	Pn	Pn	23 59 27.0	-0.9
D05A	Enumclaw	4.61 95 P	P	Pn	23 59 28.6	+0.4
LDN	Longmire	4.82 100 Pn	Pn	Pn	23 59 30.6	-0.6
LDN	Longmire	4.82 100 Pn	Pn	Pn	23 59 30.6	-0.6
FMW	Mount Fremont	4.87 97 Pn	Pn	Pn	23 59 31.4	-0.6
FMW	Mount Fremont	4.87 97 Pn	Pn	Pn	23 59 31.4	-0.6
B06A	Marblemount	4.91 79 P	P	Pn	23 59 31.2	-1.0
LLLB	Lillooet	5.32 55 Pn	Pn	Pn	23 59 38.4	+0.5
LLLB	Lillooet	5.32 55 Pn	Pn	Pn	23 59 38.4	+0.5
URBR	Upper Baezaeko	5.93 28 Pn	Pn	Pn	23 59 48.2	+1.8
URBR	Upper Baezaeko	5.93 28 Pn	Pn	Pn	23 59 48.2	+1.8
PNT	Penticton	6.25 72 Pn	Pn	Pn	23 59 48.4	-2.3
PNT	Penticton	6.25 72 Pn	Pn	Pn	23 59 48.4	-2.3
B06A	Colville Reser	7.80 82 Pn	Pn	Pn	23 59 52.2	+0.4
NEW	Newport	7.80 82 Pn	Pn	Pn	00 00 02.9	-2.9
FFC	Flin Flon	18.06 57 Pn	Pn	Pn	00 02 29.7	-0.1

ISK 19 23:58:44.5, 39.63N:43.72E, h5km, ML2.3/8
DDA 19 23:58:45.2, 39.67N:43.70E, h10km, M3.0
ISC 19 23:58:45.9, 39.62N:0.02:43.75E:0.03, h10km, 7km,

n23, c1919/36, Turkey

Code	Station Name	Δ° AZ'	Op	Phase ID	Time	Res
					h m s	ISC
DYDN	Diyadin	0.09 211 P	P	Op	23 58 48.2	-0.5
DYDN	Diyadin	0.09 211 P	P	Op	23 58 50.7	+0.2
IGDI	IGDIR	0.35 46 P	P	Pg	23 58 52.4	-0.6
IGDI	IGDIR	0.35 46 P	P	Pg	23 58 58.3	+0.6
CLDR	Caldiran	0.49 165 P	P	Pg	23 58 55.2	-0.4
CLDR	Caldiran	0.49 165 P	P	Pg	23 59 03.3	-0.9
CLDR	Caldiran	0.49 165 P	P	Pg	23 58 55.4	-0.2
CLDR	Caldiran	0.49 165 P	P	Pg	23 58 55.4	-0.2
TASB	TASBURUN-IGDIR	0.52 46 P	P	Pg	23 58 55.6	-0.5
TASB	TASBURUN-IGDIR	0.52 46 P	P	Pg	23 59 04.1	-0.8
AGRB	Hanur-Agry	0.59 266 P	P	Pg	23 58 56.2	-1.2
VMUR	Van-Muradiye	0.65 192 P	P	Pg	23 58 59.0	-0.4
VMUR	Van-Muradiye	0.65 192 P	P	Pg	23 59 08.1	-0.5
TUTA	Tutak	0.76 253 P	P	Pg	23 58 59.5	-1.0
TUTA	Tutak	0.76 253 P	P	Pg	23 59 10.1	-0.4
GNI	Garni	0.93 55 P	P	Pg	23 59 03.9	-0.3
VANB	Van	1.06 195 Pn	Pn	Pn	23 59 07.6	+0.6
KARS	Kars	1.13 333 Pn	Pn	Pn	23 59 06.1	-1.5
ADCV	BITLIS_Adilcev	1.14 225 Pn	Pn	Pn	23 59 05.8	-2.0
ADCV	BITLIS_Adilcev	1.14 225 Pn	Pn	Pn	23 59 23.9	+0.1
EKAR	Karacaban	1.35 255 P	P	Pn	23 59 10.3	-0.8
EKAR	Karacaban	1.35 255 P	P	Pn	23 59 32.9	+3.3
GEVA	Gevas	1.41 203 P	P	Pg	23 59 12.6	+0.1
GEVA	Gevas	1.41 203 P	P	Pg	23 59 32.9	+0.1
BGD	Senkaya-Erzuru	1.43 312 Pn	Pn	Pn	23 59 15.2	+0.2
BGD	Bogdanovka	1.65 356 P	P	Pb	23 59 16.5	+0.1
BGD	Bogdanovka	1.65 356 P	P	Pb	23 59 42.7	+3.8
GUROY	Guroymak-BITLI	1.71 232 Pn	Pn	Pn	23 59 16.7	+0.8
VRBT	Varto-Mus	1.84 256 Pn	Pn	Pn	23 59 18.0	+0.4
DRG	David-gareji	2.21 34 P	P	Sg	23 59 25.5	-0.5
DRG	David-gareji	2.21 34 P	P			

20d 1h

Table with columns: HNR, Station Name, Time, Res, and various codes. Includes stations like Honiara, Urewera, Papeete, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various codes. Includes stations like Ternate, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various codes. Includes stations like Tutak, Barichara, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLCA, SAML, LPAZ, PTGA, KMBO, MAW, GSPA, ATD, ROSC, KEST, ESDC, DAVA, ABTA, WTAA, OBKA, KBA, SOKA, JTS, ARSA, MOA, CONA, BRTR, MODS, VYHS, NOA, KLR.

MEX 201:01:50:58.2.0.4, 1674N:94.43W, h98km, gkm, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TGIG, PCIG, HUG, VHO, PNIG, TLIG.

ISCJB 201:01:58:38.1.0.7, 34.31S:0.08:179.2E:0.1, h150km, mb4.0/11, Error ellipse: s-maj=15.9km s-min=11.8km

NEIC 201:01:58:39.2.3.0.34, 21S:179.39E, h158km, 25km, mb4.2/1, Error ellipse: s-maj=31.1km s-min=20.6km az=223.0

ISC 201:01:58:41.7.3.3.34, 11S:179.35E, h179km, 27km, mb3.8/10, mb1.4/0.11, mb1mx3.7/46, mbtmp4.3/11, Error ellipse: s-maj=24.2km s-min=14.4km az=49.0

ISC 201:01:58:39.6.0.7, 34.30S:0.09:179.3E:0.1, h150km, n28, az=221/29, mb4.2/11, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ, SNZO, RPZ, DZM, CTG, ASAR, WRAB, WRA, FITZ, GSPA, MAW, SNA, VNA, PLCA, PETK, NVAR, ILAR, MKAR, KURK, KURB, FINES, MMAI, NOA, BRTR, HFS, TORD.

ISC 202:04:39.6.1.0.55, 29N:163.10E, h0km, mb3.5/7, mb1.3/7.8, mb1mx3.3/80, mbtmp3.6/8, ML2.8/1, MS2.9/2, Ms1.2/9.2, ms1mx2.6/66, Error ellipse: s-maj=30.4km s-min=20.5km az=136.0

KRSC 202:04:42.6.0.8.55, 16N:163.28E, h59km, 22km, ML4.3 MOS 202:04:43.9.0.4.55, 17N:163.30E, h43km, 4km, D/3, Error ellipse: s-maj=7.1km s-min=5.1km az=81.7

ISCJB 202:04:44.2.0.4.55, 17N:0.02:163.28E:0.05, h50km, gkm, mb3.5/7, MS2.8/2, Error ellipse: s-maj=5.0km s-min=3.5km az=26.6

ISC 202:04:45.4.1.1.55, 19N:0.03:163.26E:0.13, h43km, 3km, n100, az=92/131, mb3.5/7, Off east coast of Kamchatka Peninsula

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

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBG, BKG, BKI, BKL, BKN, BZGR, BZMR, TUMD, CIRR, CIRR, LGNR, LGNR, SMKR, SMKR, BZMR, BZWR, TUMR, TUMR, BDR, BDR, KMMR, KMMR, KMMR, KMMR, KIRRR, KIRRR, KRRS, KRRS, KRRS, KRRS, KLY, KLY, KLY, KLY, SRKR, SRKR, KPT, KPT, KOZ, KOZ, KOZ, KOZ, KIL, KIL, ESO, ESO, SPN, SPN, SPN, SPN, NLC, NLC, NLC, NLC, SDLR, SDLR, KRER, KRER, SMAR, SMAR, KRX, KRX, UGLR, UGLR, UGLR, UGLR, AVH, AVH, KOK, KOK, KOK, KOK, DALK, DALK, DALK, DALK, GNL, GNL, PET, PET, KRM, KRM, KRM, KRM, KRK, KRK, PETK, PETK, RUS, RUS, RUS, RUS, MTRV, MTRV, MTRV, MTRV, OSSR, OSSR, OSSR, OSSR, ASAK, ASAK, ASAK, ASAK, APC, APC, APC, APC, PALN, PALN, PALN, PALN, KDR, KDR, KDR, KDR, MIPR, MIPR, TILK, TILK, TILK, TILK, IXI, IXI, ILAR, ILAR, KSRS, KSRS, H1N2, H1N2, H1N1, H1N1, YKA, YKA, KURB, KURB, MKAR, MKAR, ASAR, ASAR, WRA, WRA, ASAR, ASAR.

ISC 202:15:35.3.0.6, 1.6:64S:176.60W, h0km, mb4.1/9, mb1.4/4.10, mb1mx4.1/47, mbtmp4.1/10, ML3.5/1, MS4.4/5, MS1.4/4.5, ms1mx4.4/48, Error ellipse: s-maj=71.5km s-min=19.0km az=154.0

ISCJB 202:15:35.3.0.6, 1.6:64S:176.60W:0.09, h10km, mb4.3/17, MS4.5/42, Error ellipse: s-maj=30.6km s-min=7.8km az=160.1

NEIC 202:15:39.9.0.9, 16:55S:176:69W, h35km, mb4.6/7, Error ellipse: s-maj=15.1km s-min=10.5km az=155.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI, AFI, RAR, DZM, DZM, DZM, DZM, URZ, URZ, PMZ, PMZ, PMG, RKT, RKT, WRAB, WRA, WRA, ASAR, ASAR, ASAR, ASAR, GUM, GUM, BATI, NWAO, DAV, VNA, RP, JHJ, MJAR, JGW, JGW, JNU, ASAJ, PETK, GSPA, TXAR, TXAR, PDAR, PDAR, BOZ, DAWY, MAW, CMAR, PLCA, SNA, YKA, SONM.

ellipse: s-maj=51.8km s-min=10.5km az=155.0
GCMT 20 02:15:41.8.0.2.15, 45S:0.0:1.177:13W:0.01, h16km, 1km, MW5.2/108, Moment Tensor Solution. s46,c55;
s108,c179; Duration: 0 Moment tensor Scale 10^16Nm;
Mn0.46; 20; Mn0.355; 19; Mn0.310; 17; Mn-0.30; 50;
Mn0.61; 17; Mn0.12; 50; Best double couple;
Mo7.31700x10^16 NP1.50; 256.00000; 589.00000;
7.3.00000. NP2.0; 166.00000; 887.00000; 1.179.00000.
Principal axes: T 7.0950, P1g2.0000, Azm122.0000; N 0.4500, P1g87.0000, Azm269.0000; P -7.5400,
P1g1.0000, Azm31.0000; nsta1 refers to body waves,
cutoff=40s, nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function

ISC 202:15:37.0.0.8, 16.5S:0.3:176.7W:0.1, h10km, n89, az=189/46, mb4.4/17, MS4.5/42, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI, AFI, RAR, DZM, DZM, DZM, URZ, URZ, PMZ, PMZ, PMG, RKT, RKT, WRAB, WRA, WRA, ASAR, ASAR, ASAR, ASAR, GUM, GUM, BATI, NWAO, DAV, VNA, RP, JHJ, MJAR, JGW, JGW, JNU, ASAJ, PETK, GSPA, TXAR, TXAR, PDAR, PDAR, BOZ, DAWY, MAW, CMAR, PLCA, SNA, YKA, SONM.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like HHC, HHC, HHC, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like MAW, Vnda, VSR, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like LAGR, LAGR, LAGR, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BAKI, BLJI, GMJI, MTKI, WAMI, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like LZH, LSA, HHC, ODAN, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BRVK, OPO, GEYT, GYA0B, etc.

THR 20 03:14:38.1+0.4, 28.48N:57.75E, h18km, 14km, ML3.6
ISCJB 20 03:14:43.8+0.5, 28.87N:0.02+57.31E, 0.07, h10km, Error
TEH 20 03:14:43.3, 28.89N:57.33E, h10km, ML3.7
OMAN 20 03:14:46.5, 1.7, 28.86N:57.50E, h32km, 70km, Error
DSN 20 03:14:48.0, 1.0, 28.80N:57.16E, h20km, ML3.7/10, Error
ISC 20 03:14:44.6+1.1, 28.90N:0.03+57.28E, 0.08, h10km, n46,
c125/51, Southern Iran

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NGRK, CHMN, KRBR, TVBK, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Alice Springs, Khabaz, Malin Array B, etc.

ISC 20 05:13:39.2, 2.4, 14.28N; 88.38W, h0km, mb3.3/3, mb1 3.8/4, mb1mx3.4/53, mbtmp3.4/4, ML3.6/1, Error ellipse: s-maj=15.3km s-min=29.9km az=52.0

ISC 20 05:13:41.3, 0.7, 13.17N; 106.89, 38W, 0.05, h66km, 6km, mb3.2/2, Error ellipse: s-maj=12.3km s-min=4.8km az=36.6

CASC 20 05:13:42.5, 1.4, 13.24N; 89.36W, h56km, 7km, MD4.0, ML4.0

ISC 20 05:13:41.9, 1.3, 13.20N; 08.89, 40W, 0.07, h60km, 9km, n41, c058/55, 1C-14D, EI Salvador

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Las Flores, Colinas, San Salvador, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Korca, Ohrid, Kassiopi, Kerkira, etc.

ISC 20 05:53:39.7, 0.6, 50.52N; 05:157.62E, 0.08, h94km, 4km, mb3.8/23, Error ellipse: s-maj=10.7km s-min=4.6km az=44.4

MOS 20 05:53:39.1, 0.9, 50.46N; 157.65E, h90km, mb4.1/11, Error ellipse: s-maj=12.0km s-min=3.5km az=81.1

KRSC 20 05:53:39.0, 2.4, 50.52N; 157.94E, h80km, 32km, ML4.8

ISC 20 05:53:42.9, 1.9, 50.88N; 157.27E, h104km, 15km, mb3.6/20, mb1 3.8/22, mb1mx3.6/78, mbtmp3.9/22, MS2.0/1, MS1.2/0.1, ms1mx1.8/70, Error ellipse: s-maj=17.2km s-min=11.9km az=144.0

ISC 20 05:53:39.2, 1.1, 50.43N; 07:157.83E, 0.06, h78km, 9km, n113, c0549/140, mb3.8/23, 4C-1D, Kuril Islands

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like Severo-Kuril's, Pauzhetka, Asacha, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Gorelyy, Karymshinskiy, Koryaka, etc.

ISC 20 05:53:39.7, 0.6, 50.52N; 05:157.62E, 0.08, h94km, 4km, mb3.8/23, Error ellipse: s-maj=10.7km s-min=4.6km az=44.4

MOS 20 05:53:39.1, 0.9, 50.46N; 157.65E, h90km, mb4.1/11, Error ellipse: s-maj=12.0km s-min=3.5km az=81.1

KRSC 20 05:53:39.0, 2.4, 50.52N; 157.94E, h80km, 32km, ML4.8

ISC 20 05:53:42.9, 1.9, 50.88N; 157.27E, h104km, 15km, mb3.6/20, mb1 3.8/22, mb1mx3.6/78, mbtmp3.9/22, MS2.0/1, MS1.2/0.1, ms1mx1.8/70, Error ellipse: s-maj=17.2km s-min=11.9km az=144.0

ISC 20 05:53:39.2, 1.1, 50.43N; 07:157.83E, 0.06, h78km, 9km, n113, c0549/140, mb3.8/23, 4C-1D, Kuril Islands

Main table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like WAKE ISLAND, Yellowknife Arr, Kurchatov Arr, etc.

IDC 20 05:55:11.5, 1.9, 35.62N, 82.59E, h0km, mb3.2/3, mb1 3.6/7, mb1mx3.3/75, mbtmp3.4/7, ML3.4/3, MS2.6/3, Ms1 2.6/3, ms1mx2.3/44, Error ellipse: s-maj=56.2km s-min=20.9km az=73.0

ISCJB 20 05:55:15.2, 1.2, 35.84N, 0.08, 82.6E, 0.2, h33km, mb3.2/3, MS2.5/1, Error ellipse: s-maj=21.5km s-min=11.9km az=179.4

BUI 20 05:55:15.8, 35.74N, 82.53E, h7km, ML3.6/6, ISC 20 05:55:16.5, 1.5, 35.75N, 0.1, 82.4E, 0.2, h35km, n11, r195/10, mb3.4/3, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WMQ Urumqi, WMQ, WMQ, AAK Ala-Archa, MKAR Makanchi Array, MKAR, MKAR, MKAR, KURBB Kurchatov Arra, ZALV Zalesovo Beam, BVAR Borovoye Array, GEYT Alibek, SONM Soging Array, AKTO Aktyubinsk, ILAR Eielson Array, WRA Warramunga Arr.

IDC 20 06:15:18.3, 1.0, 5.64S, 151.17E, h0km, mb4.0/6, mb1 4.3/7, mb1mx3.8/48, mbtmp4.0/7, ML2.1/1, MS3.0/4, Ms1 3.1/4, ms1mx2.6/46, Error ellipse: s-maj=35.1km s-min=21.0km az=143.0

ISCJB 20 06:15:23.0, 0.6, 5.8S, 0.1, 151.1E, 0.1, h43km, mb4.2/15, MS3.0/2, Error ellipse: s-maj=22.7km s-min=8.6km az=139.3

NEIC 20 06:15:27.3, 1.1, 5.87S, 151.17E, h68km, 10km, mb4.2/10, Error ellipse: s-maj=18.8km s-min=7.9km az=133.0

ISC 20 06:15:24.0, 0.8, 5.85S, 0.1, 151.2E, 0.1, h43km, n28, r16/20, mb4.2/15, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RABL Rabaul, PMG Port Moresby, PMG, PMG, HNR Honiara, JAY Jayapura, WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, DZM Mont Dzumac, DZM, AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, FITZ, MBWA Marble Bar, TAU Tasmania Univ, NWAO Narrogin (SRO), CMAR Chiang Mai Arr, MLY Manley, ILAR Eielson Array, NVAR Mina Array Bea, CPE Camp Elliot, SDD Santo Domingo, PTGA Pitinga, TORD Torodi Arr, TOA1 Torodi Arr.

IDC 20 06:17:13.3, 3.0, 20.28S, 69.89W, h0km, mb3.7/1, mb1 3.8/2, mb1mx3.4/38, mbtmp3.7/2, ML3.3/1, Error ellipse: s-maj=108.6km s-min=60.9km az=82.0

GUC 20 06:17:29.2, 0.4, 24.28S, 99.51W, h125km, 9km, ML3.8 ISC 20 06:17:29.9, 2.5, 24.4S, 99.2, 69.6W, 0.2, h104km, 22km, n16, r104/21, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB10 IPOC Station P, PB10, PB05 IPOC Station P, PB05, PB05, PB06 IPOC Station P, PB06, PB04 IPOC Station P, PB04, PB03 IPOC Station P, PB03, PB07 IPOC Station P, PB07, LPAZ La Paz, TORD Torodi Arr, H1S2 WAKE ISLAND.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations H1S1 WAKE ISLAND, H1S3 WAKE ISLAND, ZALV Zalesovo Beam, MKAR Makanchi Array.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations THIG, THIG, PCIG, CCIG, CCIG, CCIG, TGIG.

MEX 20 06:17:52.8, 0.7, 13.80N, 92.72W, h16km, 432km, MD3.7, Off coast of Chiapas

GCMT 20 06:34:07.0, 0.5, 8.43N, 0.02, 104.02W, 0.02, h16km, 1km, MW, 9.72, Moment Tensor Solution, s10, c10, s72, c66, Duration: 0. Moment tensor: Scale 10^16Nm; Mr=0.21, 10; Mw=0.30, 0.9; Mm=0.09, 0.9; Mn=1.42, 35; Ms=1.99, 0.9; Mo=0.51, 27. Best double couple: M02.44800, 1016 NP1: 269.00000, 887.00000, 1.146.00000. NP2: 0.00000, 856.00000, 1.3.00000. Principal axes: T 2.7750, Plg2.60000, Azm219.0000; N -0.6540, Plg56.0000, Azm85.0000; P -2.1210, Plg21.0000, Azm320.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

IDC 20 06:34:03.8, 2.3, 8.34N, 103.31W, h0km, mb3.7/6, mb1 4.1/6, mb1mx3.8/47, mbtmp3.7/6, MS3.8/36, Ms1 3.8/36, ms1mx3.7/47 Error ellipse: s-maj=120.6km s-min=24.4km az=59.0, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations CMIG Matias Romero, LPIG La Paz, JTS JuntasAbangare, TXAR Lajitas Array, TXAR, ANMO Albuquerque, ANMO, ROSC El Rosal, ATAH Atahualpa, TKL Tuckaleechee C, NVAR Mina Array Bea, PNA Nana, PDAR Pindar, SJG San Juan, YBH Yreka Blue Hor, TAOE Nuku Hiva Isla, NEW Newport, ULM Lac du Bonnet, LPAZ La Paz, LPAZ, RKT Rikitea, PIGA Pitinga, PMOR Pemorio Re, PPT Papeete, PPT2 Papeete2, PPT2, YKA Yellowknife Ar, SCHO Schefferville, TBI Tubuai, PLCA Paso Flores, BDFB Brasilia, RAR Rarotonga, ILAR Eielson Array, SFJD Kangerlussuaq, AFI Afiamalu, BORG Borganes, SPITS Spitsbergen Ar, PETK Petropavlovsk, EKA Eskerimuir Arr, MDT Midelt, DZM Mont Dzumac, NFA NORFAS Array B, HOS Hagfors, KOWA Kowa, DBIC Dimbokro, VANDA Vanda, DAVO DavosDischmat.

DJA 20 06:39:07.6, 0.4, 1.3S, 120E, h10km, M3.5/3, ML3.5/3, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations PCSI Palu, APSI Ampapa, ITSI Tana Toraja, MRSI Midsjida Palu, BNSI Bone, ISCJB 20 07:15:27.5, 0.5, 17.6S, 0.1, 173.8W, 0.1, h10km, mb4.0/15, Error ellipse: s-maj=22.8km s-min=7.4km az=43.5

IDC 20 07:15:27.4, 0.8, 17.69S, 173.77W, h0km, mb3.8/9, mb1 4.0/10, mb1mx3.8/51, mbtmp3.8/10, ML3.4/1, Error ellipse: s-maj=36.7km s-min=16.2km az=136.0

NEIC 20 07:15:31.4, 0.1, 17.73S, 173.78W, h24km, 28km, mb4.3/6, Error ellipse: s-maj=20.7km s-min=8.2km az=139.0

ISC 20 07:15:28.9, 0.8, 17.6S, 0.2, 173.8W, 0.2, h10km, n23, r127/26, mb4.1/15, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations AFI Afiamalu, AFI, URZ Urewera, RPZ Rata Peaks, CTA Charters Tower, WB2 Warramunga Arr, WRAB Tennant Creek, WRA Warramunga Arr, WRA Warramunga Arr, AS01 Alice Springs, AS01, ASAR Alice Springs, ANAR Anapa, NVAR Mina Array Bea, MOD Modoc Plateau, J08A Circle Bar Ran, BLTW Bickleton, LTJ Lajitas, TXAR Lajitas Array, PV23 Carpenter Ridg, PDAR Pinedale Array, ILAR Eielson Array, BR11 Keskin Array B, BR11 Keskin Array B.

IDC 20 07:16:00.9, 3.3, 4.86S, 152.99E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/51, mbtmp3.4/3, MS3.0/1, Ms1 3.2/1, ms1mx2.4/26, Error ellipse: s-maj=135.4km s-min=45.6km az=125.0, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, CMAR Chiang Mai Arr, TORD Torodi Arr.

NNC 20 07:19:11.1, 1.9, 37.38N, 68.89E, h0km, mb3.8, mpv3.4, 5C-7D, Error ellipse: s-maj=13.8km s-min=12.2km az=30.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations SFK Sufi-Kurgan, SFK, SFK, SFK, MNAS Manas, MNAS, MNAS, KK31 Karatay Array, KK31, KK31, KK31, TKM2 Tokmok.

IDC 20 07:23:18.2, 1.5, 5.48S, 147.40E, h145km, 13km, mb3.4/7, mb1 3.7/11, mb1mx3.5/52, mbtmp4.1/11, Error ellipse: s-maj=24.7km s-min=11.4km az=98.0

ISCJB 20 07:23:19.4, 0.8, 5.47S, 0.07, 147.4E, 0.1, h170km, mb3.6/9, Error ellipse: s-maj=18.5km s-min=10.3km az=8.2

ISC 20 07:23:20.8, 0.9, 5.56S, 0.08, 147.3E, 0.2, h107km, n13, r169/16, mb3.6, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations PMG Port Moresby, PMG, PMG, JAY Jayapura, CTA Charters Tower, WRA Warramunga Arr, WRA, ASAR Alice Springs, ASAR, FITZ Fitzroy Crossi, NWAO Narrogin (SRO), SONM Soging Array, VANDA Vanda, MKAR Makanchi Array, KURBB Kurchatov Arra, ILAR Eielson Array, TORD Torodi Arr.

GCMT 20 07:29:09.0, 0.7, 8.24N, 0.04, 104.11W, 0.03, h25km, 2km, MW, 9.72, Moment Tensor Solution, s10, c18, s72, c100, Duration: 0. Moment tensor: Scale 10^16Nm; Mr=0.06, 14; Mw=0.95, 12; Mm=0.88, 13; Mn=1.20, 29; Ms=1.69, 10; Mo=1.56, 23. Best double couple: M2.66400, 1016 NP1: 343.00000, 887.00000, 1.176.00000. Principal axes: T 3.0620, Plg31.0000, Azm216.0000; N -0.7960, Plg47.0000, Azm346.0000; P -2.2660, Plg27.0000, Azm108.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Surface-wave location Triangular moment-rate function

IDC 20 07:29:10.3, 2.6, 8.56N, 103.34W, h0km, mb3.7/6, mb1 4.1/6, mb1mx3.8/49, mbtmp3.8/76, MS3.7/30, Ms1 3.7/30, ms1mx3.8/47 Error ellipse: s-maj=127.2km s-min=20.6km az=59.0, Northern East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for CMIG, LPIG, TXAR, etc.

NEIC 20 07:56:57.8, 0.6, 6.90S, 131.17E, h52km, 6km, mb4.2/12, Error ellipse: s-maj=7.8km s-min=6.1km az=74.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for SAUI, SAUI, SAUI, etc.

NEIC 20 08:14:00, 24.90N, 126.90E, h5km, Mw3.9 Best double couple: M8.15000, 1014. NP1: 279.00000, 855.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for JCGS, JKE, JMU, etc.

IDC 20 07:41:04.3, 2.3, 15.26S, 174.35W, h0km, mb4.0/3, mb1.4/3, mb1mx3.7/47, mbtmp4.1/4, ML4.3/1, Error ellipse: s-maj=125.0km s-min=24.8km az=151.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for AFI, H11S2, H11S3, etc.

NEIC 20 07:56:55.0, 0.4, 7.21S, 105.04E, 131.34E, 0.05, h36km, n71, c233/77, mb4.3/24, MS3.5/3, 5C-1D, Tanimbar Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for SAUI, SAUI, SAUI, etc.

NEIC 20 08:14:13, 1.2, 5, 24.91N, 126.77E, h13km, 16km, mb4.4/9, Error ellipse: s-maj=7.1km s-min=6.1km az=103.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for JCGS, JKE, JMU, etc.

ISCJB 20 07:49:29.4, 0.7, 23.5S, 0.1, 179.8W, 0.2, h52km, mb3.8/8, Error ellipse: s-maj=19.9km s-min=14.5km az=35.8

IDC 20 07:49:29.7, 2.6, 23.47S, 179.77W, h522km, 29km, mb3.8/3, mb1.3/5.0, mb1mx3.2/50, mbtmp4.3/10, Error ellipse: s-maj=19.8km s-min=17.3km az=57.0

ISC 20 07:49:30.1, 0.7, 23.5S, 0.1, 179.8W, 0.2, h52km, n15, c073/14, mb3.8/8, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for AFI, URZ, RPZ, etc.

NEIC 20 07:56:55.0, 0.4, 7.21S, 105.04E, 131.34E, 0.05, h36km, n71, c233/77, mb4.3/24, MS3.5/3, 5C-1D, Tanimbar Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for SAUI, SAUI, SAUI, etc.

NEIC 20 08:14:00, 24.90N, 126.90E, h5km, Mw3.9 Best double couple: M8.15000, 1014. NP1: 279.00000, 855.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for AFI, URZ, RPZ, etc.

IDC 20 07:56:50.3, 0.6, 7.07S, 131.03E, h0km, mb4.3/14, mb1.4/5.21, mb1mx4.3/53, mbtmp4.4/21, ML4.6/6, MS3.2/4, Ms1.3/2.4, ms1mx2.7/52, Error ellipse: s-maj=23.4km s-min=12.7km az=81.0

ISCJB 20 07:56:52.7, 0.3, 7.17S, 0.03, 131.38E, 0.04, h36km, mb4.4/24, MS3.5/3, Error ellipse: s-maj=5.9km s-min=3.9km az=2.0

IDC 20 08:23:51.7, 0.8, 15.33S, 176.33W, h0km, mb4.0/8, mb1.4/3.9, mb1mx3.9/54, mbtmp4.0/9, ML4.1/1, MS3.8/30, s-min=17.9km az=151.0

NEIC 20 08:23:51.6, 0.6, 14.76S, 176.51W, h10km, mb4.7/6, Error ellipse: s-maj=19.9km s-min=12.0km az=153.0

ISC 20 08:23:54.3, 0.8, 15.45S, 0.3, 176.2W, 0.1, h17km, n68, c1505/22, mb4.3/13, MS3.9/29, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Contains station data for AFI, FUNA, KMTN, etc.

Table with columns: T, TVO, Taravao, 25.94 99 eT, T, 08 56 13.0, etc. Includes stations like TBI Tubuai, TBI Pomarioro Ree, PMGR Port Moresby, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like SHO Shikotan, SHO 288nm,0.2s, etc.

Table with columns: LAGR, 29nm,0.2s, AMB, AMB, 08 24 49.0, etc. Includes stations like LAGR 26nm,0.2s, LAGR 897nm,0.4s, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like SMRT St. Maarten, SABA Saba, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like VMUR Van-Muradiye, VANB Van, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like JMA 2008:24:29.7,0.3, 43°34'N, 146°00'E, etc.

Table with columns: JOT, KJB Kayabe, 5.43 333, P, Sn, 08 40 41.6 +1.5, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like IHRIS Heris, ITBZ Tabriz, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like ISKB Bostanabad, IMRD Marand, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like IAZR Azarshahr, ISRB Sarab, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like KPJI Karang Pucung, CISI Cisempet, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Op, h m s, Time, Res, etc. Includes stations like BATI Baumata, SIJI Sorong, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Tuman, Lagunoye, Nemuro 2, Golovino, Kuril'sk, Rausu, Nakash, etc.

BUI 20 11:18:24.4, 3.00N, 92.73E, h22km, mb4.8/52, mB4.8/36, Ms4.4/40, Ms7.4.1/30
IDC 20 11:18:24.7-0.4, 3.33N-92.89E, h0km, mb4.4/35, mb1.4/39, mb1mx3.6/69, mbtmp3.9/6, MS3.6/3, ms1mx2.9/63, Error ellipse: s-maj=15.7km, s-min=29.8km, az=53.0, Indian Ocean Triple Junction

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sinabang, Campbell Bay, Krakab, Kota Tinggi, etc.

Table with columns: STKI, Station Name, Time, Res, ISC. Includes stations like Sintang, Cimerag, KPJI, Bariahadia, etc.

GCMT 20 11:42:48.6,0.2,35.5;87N,0.01;-140.5;E:0.02, h53km₂1km, MW5, 1/103, Moment Tensor Solution, s63,c96; s103,c171; Duration: 0 Moment tensor: Scale 1016Nm; Mw=4.99±.17; Mo=0.51±.12; Mo=4.48±.11; Mw=0.56±.10; Mo=1.14±.08; Mo=3.16±.09; Best double couple: Ms5.84600×10¹⁶ NP1.0₁₀12.00000⁰,δ62.00000⁰,λ88.00000⁰. NP2.0₁₀197.00000⁰,δ28.00000⁰,λ94.00000⁰. Principal axes: T 5.9540, P1g73.0000, Azm276.0000; N -0.2110, P1g2.0000, Azm13.0000; P -5.7380, P1g17.0000, Azm104.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 20 11:42:48.6,0.3,35.5;82N,140.22E, h75km₂3km, mb,4.9/272 Error ellipse: s-maj=2.5km s-min=1.9km az=146.0 NEIC Felt (III) at Chiba, Saitama, Tokyo, Tsuchira, Yokohama, Yokosuka and Zama. Felt widely in east-central Honshu. Recorded (3 JMA) in Gumma, Ibaraki and Tochigi.

ISC 20 11:42:45.7,0.5,35.5;88N,140.47E,0.03, h54km₂3km, m239, s152/1321, mb5.1/434, MS4.2/81, 101C-45D, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	h m s	Time	Res
JIHU	Hakohorinouch	0.10	28°	P	Pn		11 42 55.0 +1.0	
CHOU	Chosi	0.36	119	↑P	Pn		11 42 56.8 +1.1	
CHOU				↑S	Pn		11 43 04.6 +1.6	
JYT	Yasato	0.41	327	↓P	Pn		11 42 56.6 +0.4	
JYT				↑S	Pn		11 43 05.2 +1.4	
I30JP	ISUMI INFRASON	0.59	193	↓P	Pn		11 43 00.0 +1.8	
	baz=1.2,slow=13,SNR=2.1							
TOK	Tokyo	0.61	252	↓P	Pn		11 43 00.4 +2.0	
BHO	Hitachi	0.73	6	↓P	Pn		11 43 00.4 +0.3	
JSD	Boso 4	0.90	187	↓P	Pn		11 43 03.6 +1.6	
JAG	Ashikaga	0.93	304	↑P	Pn		11 43 03.6 +0.3	
B3O3	Shobo 3	1.08	178	↑P	Pn		11 43 05.4 +1.1	
JSB	Shibusa	1.17	338	↑P	Pn		11 43 06.3 +0.4	
ONAJ	Iwakimizuishiy	1.25	12	↓P	Pn		11 43 07.3 +0.4	
JRY	Ryogami san	1.28	277	↓P	Pn		11 43 08.2 +0.9	
JOD2	Odawara 2	1.28	247	↓P	Pn		11 43 08.3 +0.9	
BSO1	Boso 1	1.29	161	↓P	Pn		11 43 08.0 +1.0	
JKT	Katashina	1.32	312	↓P	Pn		11 43 08.6 +0.6	
AJI	Ajiro 2	1.40	234	↓P	Pn		11 43 09.8 +0.9	
JIM2	Oshima 3	1.44	217	↓P	Pn		11 43 10.0 +0.5	
JFK	Kawauchi	1.52	12	↓P	Pn		11 43 10.8 +0.2	
JYH1	Shimoda	1.61	249	↓P	Pn		11 43 11.8 +1.3	
JGK	Kuni	1.63	295	↓P	Pn		11 43 12.6 +0.5	
JFT	Ofama	1.64	356	↓P	Pn		11 43 12.9 +0.7	
JIZS	Izushima	1.74	229	↑P	Pn		11 43 14.4 +0.8	
JHK	Hiroka	1.80	320	↓P	Pn		11 43 15.8 +1.5	
MJAR	Matsushiro Arr	1.94	290	↓P	Pn		11 43 17.5 +1.2	
	789nm,0.3s,baz=99,slow=9.3,SNR=5672							
MJAR				S	Sn		11 43 42.6 +3.0	
	293nm,0.3s,baz=100,slow=21,SNR=8.7							
MAJO	Matsushiro	1.95	291	↑P	Pn		11 43 18.2 +1.8	
MAJO				↑S	Pn		11 43 42.6 +2.9	
MAJO	Matsushiro	1.95	291	↑P	Pn		11 43 18.2 +1.8	
MAJO				e	Pn		11 43 42.6	
MJB9	Matsu-Tunnel	1.95	291	↑P	Pn		11 43 18.2 +1.8	
JMM	Marumori	2.00	7	↓P	Pn		11 43 18.2 +1.2	
JKO	Kozu shima	2.01	213	↓P	Pn		11 43 18.7 +1.4	
SHZ3	Shizuoka 3	2.02	247	↓P	Pn		11 43 19.4 +1.8	
JNS	Sasagawa	2.14	335	↓P	Pn		11 43 20.4 +1.4	
JIZZ	Izumozaki	2.17	320	↓P	Pn		11 43 22.0 +2.6	
JNY	Yasuoku	2.19	257	↓P	Pn		11 43 21.7 +2.0	
JJN	Nakama	2.22	304	↓P	Pn		11 43 22.2 +2.1	
JYS	Shirataka	2.36	352	↓P	Pn		11 43 23.8 +1.8	
JYWZ	Yoshiwaza	2.40	249	↓P	Pn		11 43 24.4 +1.8	
HMMJ	Hamamatsu 2	2.47	246	↓P	Pn		11 43 25.2 +1.7	
JGF	Kuroka	2.55	265	↓P	Pn		11 43 26.8 +2.2	
JGN	Niukaw	2.58	279	↓P	Pn		11 43 27.4 +2.3	
JTT	Ttatey	2.64	287	↓P	Pn		11 43 28.3 +2.5	
JIO	Duri	2.66	15	↓P	Pn		11 43 28.4 +1.9	
JAO	Obara	2.69	258	↓P	Pn		11 43 28.4 +1.9	
JYA	Atsumi	2.77	348	↓P	Pn		11 43 29.7 +2.0	
JSD	Sado	2.79	321	↓P	Pn		11 43 28.9 +1.1	
JHJ	Hachiji jima 2	2.81	92	↓P	Pn		11 43 29.5 +1.3	
	387nm,0.3s,baz=328,slow=20,SNR=155							
JHJ				S	Sn		11 44 01.5 +0.6	
	368nm,0.3s,baz=68,slow=22,SNR=4.6							
JHJ2	Mitsune	2.81	191	↑P	Pn		11 43 29.1 +0.9	
JNS	Inuyama	2.86	260	↑P	Pn		11 43 30.6 +1.7	
JIZ	Suzu	2.95	303	↓P	Pn		11 43 31.3 +1.3	
JJK	Kaneyama	3.03	358	↓P	Pn		11 43 34.0 +1.8	
JJH	Hakui	3.15	290	↓P	Pn		11 43 34.9 +2.1	
JHG	Hegura jima	3.46	306	↓P	Pn		11 43 38.5 +1.5	
JHE	Heguri	4.10	254	↓P	Pn		11 43 47.5 +1.6	
JIW	Iwasaki	4.72	356	↓P	Pn		11 43 56.3 +2.0	
JKM	Kasumi	4.73	268	↓P	Pn		11 43 55.9 +1.4	
JTM	Temabayashi	4.92	5	↓P	Pn		11 43 58.2 +1.1	
JAI	Aioi	5.37	249	↓P	Pn		11 44 04.9 +1.7	
JHS	Saijyo	6.07	264	↓P	Pn		11 44 15.1 +2.3	
ERM	Erimo	6.47	18	↑P	Pn		11 44 16.8 -1.5	
ERM	Erimo	6.47	18	↓P	Pn		11 44 17.0 -1.3	
ERM				↑P	Pn		11 44 17.0 -1.3	
	comp=Z,168nm,0.7s							
JHK	Hikimi	7.12	262	↓P	Pn		11 44 29.5 +2.3	
JNU	Nakatsue	8.38	254	↓P	Pn		11 44 44.9 +0.3	
	comp=Z,4.0nm,0.3s,baz=63,slow=9.1,SNR=57							
JNU				S	Sn		11 46 32.5 +1.5	
	baz=236,slow=18,SNR=0.5							
JNU				LR	LR		11 48 21.3	
JNU	comp=Z,4.0nm,19.2s,baz=68,slow=40							
JNU	Nakatsue	8.38	254	↑P	Pn		11 44 46.2 +1.7	
JNU				S	Sn		11 46 32.5 +1.5	
ASAJ	Asahikawa	8.39	11	↓P	Pn		11 44 42.5 -2.0	
	comp=Z,8.5nm,0.3s,baz=220,slow=12,SNR=55							
ASAJ				S	Sn		11 46 08.1 -1.0	
ASAJ	comp=Z,0.9nm,0.3s,baz=190,slow=25,SNR=1.0							
ASAJ				LR	LR		11 48 47.6	
GLVR	Golovinno	8.76	25	↑P	Pn		11 44 47.3 -2.2	
GLVR				↑S	Pn		11 46 18.5 -8.2	
GLVR				↑P	Pn		11 44 47.3 -2.2	
	comp=E,203nm,0.6s							
GLVR				↑P	Pn		11 44 47.3 -2.2	
	comp=E,114nm,0.3s							
GLVR				↑P	Pn		11 44 47.3 -2.2	
	comp=N,143nm,0.5s							
CBJ	Chichi jima	8.88	170	↑P	Pn		11 44 49.2 -2.2	
CBJ				↑S	Pn		11 46 22.6 -7.4	
JCJ	Chichijima	8.88	170	↓P	Pn		11 44 49.0 -2.4	
	comp=N,53nm,0.3s,baz=155,slow=23,SNR=6.4							
JCJ				S	Sn		11 46 20.3 -1.0	
	baz=270,slow=20							
GRPR	Tuman	9.06	25	↑P	Pn		11 44 51.8 -2.0	
GRPR				↑S	Pn		11 46 25.9 -8.4	
GRPR				↑P	Pn		11 44 51.8 -2.0	
	comp=N,118nm,0.2s							
GRPR				↑P	Pn		11 44 51.8 -2.0	
	comp=E,55nm,0.2s							
GRPR				↑P	Pn		11 44 51.8 -2.0	
	comp=Z,188nm,0.2s							
LAGR	Lagunoye	9.12	25	↑P	Pn		11 44 52.4 -2.2	
LAGR				↑S	Pn		11 46 27.7 -8.1	
LAGR				↑P	Pn		11 44 52.4 -2.2	
	comp=N,271nm,0.6s							
LAGR				↑P	Pn		11 44 52.4 -2.2	
	comp=Z,379nm,0.6s							
LAGR				↑P	Pn		11 44 52.4 -2.2	
	comp=E,389nm,0.5s							
LAGR				MLR	MLR		11 44 52.4 -2.2	
YUK	Yuzh-Kuril'sk	9.13	25	↑P	Pn		11 44 52.5 -2.2	
YUK				↑S	Pn		11 46 27.7 -8.3	
YUK				↑P	Pn		11 44 52.5 -2.2	
	comp=Z,211nm,0.4s							
YUK				↑P	Pn		11 44 52.5 -2.2	
	comp=E,79nm,0.3s							
YUK				MLR	MLR		11 44 52.5 -2.2	
YUK				MLR	MLR		11 44 52.5 -2.2	
	comp=Z,832nm,20.0s							
YUK				MLR	MLR		11 44 52.5 -2.2	
SHO	Shokotan	9.35	30	↑P	Pn		11 44 55.0 -2.7	
SHO				↑S	Pn		11 46 32.4 -9.0	
SHO				↑P	Pn		11 44 55.0 -2.7	
	comp=E,49nm,0.6s							
SHO				↑P	Pn		11 44 55.0 -2.7	
	comp=Z,59nm,0.6s							
SHO				↑P	Pn		11 44 55.0 -2.7	

SHO	comp=N,21nm,0.2s			MLR	MLR			
SHO	comp=Z,904nm,14.0s			MLR	MLR			
SHO	comp=N,857nm,18.0s			MLR	MLR			
TEY	comp=Z,433nm,16.0s			MLR	MLR			
TEY	Ternei	9.61	343	↑P	Pn		11 45 01.3 +0.1	
TEY				↑P	Pn		11 45 01.3 +0.1	
TEY	comp=Z,80nm,1.2s			MLR	MLR			
MSHR	Mys Shultsa	9.84	316	↓P	Pn		11 45 05.2 +0.8	
KSR5	Korea Array	10.20	283	↓P	Pn		11 45 13.3 +3.9	
	comp=Z,3.6nm,0.3s,baz=97,slow=14,SNR=98							
KSR5				LR	LR		11 49 11.4	
	comp=Z,1.0nm,18.4s,baz=103,slow=38							
KS01	Wonju Array Si	10.23	283	↑P	Pn		11 45 12.1 +2.4	
KS15	Wonju Array Si	10.23	282	↑P	Pn		11 45 12.5 +2.8	
KSAR	Wonju Array Be	10.23	282	↓P	Pn		11 45 13.3 +3.5	
USA0B	Ussuriysk Arra	10.54	325	↑P	Pn		11 45 16.6 +2.6	
USAR	Ussuriysk Ar.	10.54	325	↑P	Pn		11 45 15.8 +1.8	
	comp=Z,5.8nm,0.3s,baz=134,slow=13,SNR=89							
USRK				LR	LR		11 49 02.5	
	comp=Z,1.0nm,19.2s,baz=149,slow=36							
TJN	Taejon	10.61	277	↑P	Pn		11 45 18.1 +3.1	
KUR	Kuril'sk	10.90	299	↑P	Pn		11 45 18.4 +0.5	
KUR				↑S	Pn		11 47 10.8 -8.4	
	comp=E,27nm,0.5s							
KUR				↑P	Pn		11 43 00.4 +2.0	
	comp=Z,97nm,0.5s							
KUR				↑P	Pn		11 43 00.4 +2.0	
	comp=N,17nm,0.3s							
KUR				↑P	Pn		11 43 00.4 +2.0	
	comp=N,233nm,0.4s							

Table with columns for station call signs (e.g., LZH, GYA, ZAK), frequencies, and signal strength/quality indicators. Includes sub-sections like 'Gaiyang' and 'Chengdu'.

Table with columns for station call signs (e.g., TEZP, LSA, LSA, UTHA), frequencies, and signal strength/quality indicators. Includes sub-sections like 'Zalesovo Array' and 'Makanchi Array'.

Table with columns for station call signs (e.g., TDK, KPKS, DMN, ZHN), frequencies, and signal strength/quality indicators. Includes sub-sections like 'Kodiak Island' and 'Baumgarten'.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like TAMC, OCAC, YOPC, NORC, CHIC, ROSC, HELC, UREC, GUYC, VILC, DBBC, SDV, SJAC, PLMC, HORO, BCIP, GWJ, STH, MTJ, BBJ, GTBY, MTP, STVI, SAML, TEIG, 353A, 450A, 252A, 152A, 645A, 151A, GOGA, Z52A, Y53A, Z50A, 250A, 249A, Y51A, Y50A, X52A, Y49A, Z48A, X50B, W52A, Y48A, V53A, X49A, W51A, Y47A, X48A, W50A, V51A, U49A, V50A, U52A, W48A, U51A, TZTN, W47A, U50A, V48A, T51A, Y43A, U49A, V47A, T50A, U48A, WVT, W47A, T49A, T47A, S49A, Y40A, S48A, R50A, T46A, X40A, W41B, V42A.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MIAR, W61, S46I, R47A, T44A, V41A, U42A, Q48A, T43A, W39A, V40A, U41A, S44A, Q47A, R45A, T42A, S43A, R44A, V39A, U40A, T41A, P47A, Q45A, S42A, U39A, R43A, N50A, T40A, Q44A, P46A, P45A, CCM, R42A, O47A, T39A, Q43A, S40A, R41A, ERPA, SFIN, SFIN, T38A, O45A, S39A, S39A, R40A, R40A, P43A, Q31A, S38A, P42A, R39A, N45A, O43A, N44A, TXAR, TXAR, R38A, P41A, WMOK, L47A, Q39A, P40A, O41A, N43A, Q38A, N42A, Q40A, Q37A, P38A, O38A, L42A, M40A, K43A, N38A, L40A, N37A, M38A, L39A, MNTX, MNTX.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like J42A, JFWS, I42A, J40A, H43A, J39A, I41A, I39A, G43A, G42A, J37A, H40A, G40A, G39A, E40A, ECSD, E39A, H35A, SDCO, SDCO, S22A, S22A, S22A, SUSD, W18A, EYMN, ISCO, A33A, U15A, LCMT, ULM, ULM, MSU, PD31, PDAR, PDAR, SCHG, REDW, LOHW, MOOW, TPNV, R11A, IMW, BOZ, BOZ, MCMT, HLID, HLID, NVAR, EGMT, MFID, MSO, YBH, H04A, YKA, ILAR, MKAR, ASAR, WRA, CMAR.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like ZSN, ZSN, MK31, MAKZ, MAKZ, DJR, DJR, KAPS, KAPS, KPKS, KPKS, ARXS, ARXS, KURBB, KURKB, KURK, BUI, TIA, TIA, TIA.

MAN 20 15:13:27.9, 15.655N, 119.999E, h1km, mb4.6, ML3.5, MS3.4, 1D, Luzon

Code	Station Name	Δ° AZZ	Phase	ID	ISC	Time	Res
						h m s	ISC
BOLP	Bolinao	0.73 354	eP	Op	Pg	15 13 42.0	+0.1
ECPLP		1.37 951	eS	Op	Sb	15 13 53.4	+0.5
PCPH	Palayayan	1.07 951	eP	Op	Pg	15 13 48.6	+0.3
BALP	Baler	1.53 86	eP	Op	Pn	15 13 56.2	+0.1
ABRA	Dolores	2.10 19	eP	Op	Pn	15 14 05.1	+0.9
ABRA			eS	Op	Sb	15 14 32.6	+0.8
CAUP	Cauayan	2.18 54	eP	Op	Pn	15 14 05.7	+0.5
APYP	Corner	2.50 28	eP	Op	Pn	15 14 10.3	+0.6
APYP			eS	Op	Sn	15 14 41.9	+1.0

JMA 20 15:30:59.9, 0.1, 24.41N, 121.90E, h34km, M3.2
 TAP 20 15:30:59.8, 24.44N, 121.90E, h25km, ML3.8, B
 ISCJB 20 15:31:00.2, 0.2, 24.44N, 0.01, 121.98E, 0.02, h22km, 2km,
 Error ellipse: s-maj=2.5km s-min=2.1km az=135.5
 ISC 20 15:31:00.0, 0.9, 24.44N, 0.02, 121.95E, 0.02, h18km, 2km,
 n105, a077/164, 19C-7D, Taiwan

Code	Station Name	Δ° AZZ	Phase	ID	ISC	Time	Res
						h m s	ISC
NANB	Nanao	0.18 267	uP	Op	Pb	15 31 04.8	+0.5
NANB			S	Op	Sg	15 31 08.1	+0.2
ENA	Nanau	0.19 268	uP	Op	Pb	15 31 04.8	+0.4
ENA			S	Op	Sg	15 31 08.4	+0.2
TWC	Suao	0.20 332	iP	Op	Pg	15 31 05.3	+0.4
TWC			iS	Op	Sg	15 31 08.9	+0.6
EOS1	EOS1	0.20 55	P	Op	Pg	15 31 06.3	+1.4
EOS1			S	Op	Sg	15 31 11.2	+3.0
ILA	Ilan	0.38 331	uP	Op	Pb	15 31 08.3	+0.1
ILA			iS	Op	Sb	15 31 14.0	+0.3
TWE	Neicheng	0.38 318	uP	Op	Pg	15 31 08.0	0.0
TWE			iS	Op	Sg	15 31 13.0	+0.5
ENTT	Nioudou	0.41 300	uP	Op	Pg	15 31 08.3	+0.1
ENTT			S	Op	Sg	15 31 13.6	+0.5
EGS		0.41 358	uP	Op	Pb	15 31 09.0	+0.2
EGS			S	Op	Sb	15 31 14.8	+0.2
NTC	Toucheng	0.43 345	eP	Op	Pg	15 31 09.0	+0.2
TWD	Chiawan	0.48 222	uP	Op	Pb	15 31 09.4	+0.5
TWD			S	Op	Sb	15 31 17.6	+0.9
NNS	Nan Shan	0.53 271	P	Op	Pb	15 31 10.2	+0.5
NNS			S	Op	Sb	15 31 17.1	+1.0
NWLT	Wulai	0.53 310	eP	Op	Pb	15 31 10.4	+0.4
NWLT			S	Op	Sb	15 31 17.4	+0.7
TIPB	Shuangxi	0.55 348	uP	Op	Pb	15 31 11.0	0.0
TIPB			iS	Op	Sb	15 31 18.1	+0.4
HWA	Hwalien	0.56 215	eP	Op	Pg	15 31 11.6	+0.4
TWB1	Santiao Chiao	0.57 3	P	Op	Pg	15 31 11.6	+0.2
TWB1			S	Op	Sb	15 31 19.2	0.0
YHNB	Yeheng	0.57 294	uP	Op	Pb	15 31 11.1	+0.1
YHNB			S	Op	Sb	15 31 18.1	+1.2
NSK	Sanguang	0.59 294	uP	Op	Pb	15 31 11.3	+0.5
NSK			iS	Op	Sb	15 31 18.6	+1.1
ENLB	Shoufeng	0.62 211	eP	Op	Pg	15 31 12.8	+0.6
ENLB			S	Op	Sn	15 31 23.6	+0.3
NWF	Wu-fen Shan	0.65 346	uP	Op	Pb	15 31 13.1	+0.2
NWF			S	Op	Sg	15 31 22.2	+0.6
WFSB	Wu-fen Shan	0.65 346	uP	Op	Pg	15 31 13.2	+0.3
WFSB			S	Op	Sg	15 31 22.2	+0.6
TATO	Taipei	0.68 322	uP	Op	Pb	15 31 13.3	0.0
TATO			S	Op	Sg	15 31 22.7	+0.1
WHF	Hehuan Shan	0.69 245	uP	Op	Pb	15 31 13.0	+0.7
WHF			S	Op	Sb	15 31 23.3	+0.3
TWT	Tachien	0.73 256	P	Op	Pb	15 31 14.3	0.0
TWT			eS	Op	Sb	15 31 23.9	+0.1
TDCB	Techi	0.74 256	eP	Op	Pb	15 31 14.4	+0.1
TDCB			S	Op	Sb	15 31 24.5	+0.1
WLTB	Daxi	0.76 303	uP	Op	Pg	15 31 15.1	+0.2
WLTB			S	Op	Sg	15 31 25.3	+0.3
ESL	Shilin	0.78 217	P	Op	Pb	15 31 14.6	+0.4
YM07	YM07	0.80 338	uP	Op	Pb	15 31 15.5	+0.2
YM07			S	Op	Sb	15 31 25.5	+0.2
YM10	YM10	0.80 334	P	Op	Pb	15 31 15.5	+0.1
YM10			S	Op	Sb	15 31 27.5	+0.4
CHGB	Renai	0.80 242	uP	Op	Pb	15 31 15.1	+0.4
CHGB			S	Op	Sb	15 31 25.9	+0.2
YM11	YM11	0.80 335	uP	Op	Pb	15 31 16.6	+0.1
YM11			S	Op	Sn	15 31 27.2	+0.8
YM04	YM04	0.81 332	uP	Op	Pb	15 31 15.6	0.0
YM04			eS	Op	Sb	15 31 26.1	0.0
YM08	YM08	0.82 336	uP	Op	Pb	15 31 15.5	+0.2
YM08			S	Op	Sb	15 31 26.7	+0.4
YM12	YM12	0.82 335	eP	Op	Pb	15 31 15.4	+0.3
YM12			eS	Op	Sn	15 31 28.6	+0.3
TWS1	Kuangyinshan	0.82 324	uP	Op	Pg	15 31 16.1	+0.1
TWS1			S	Op	Pb	15 31 27.5	+0.6
YM03	YM03	0.83 333	uP	Op	Pb	15 31 16.1	+0.1
YM03			S	Op	Sg	15 31 27.7	+0.4
NTST	Danshui	0.86 328	eP	Op	Pn	15 31 17.2	0.0
NTST			eS	Op	Sn	15 31 29.3	+0.1
NCU	National Centr	0.87 308	eP	Op	Pb	15 31 16.9	+0.2
NCU			S	Op	Sn	15 31 29.3	+0.3

NCUH	Zhongli	0.88 307	eP	Op	Pb	15 31 17.0	+0.4
NCUH			eS	Op	Sn	15 31 29.8	+0.2
LIOB	LIOB	0.88 284	uP	Op	Pb	15 31 17.0	+0.3
LIOB			S	Op	Sg	15 31 29.2	+0.5
NSTT	Nanjuang	0.89 283	eP	Op	Pb	15 31 17.1	+0.3
NSTT			S	Op	Sg	15 31 29.4	+0.4
TWY	Chenhua	0.90 339	uP	Op	Pn	15 31 17.5	+0.1
TWY			iS	Op	Sg	15 31 29.8	+0.5
EGFH	Guangfu	0.90 212	eP	Op	Pb	15 31 17.5	+0.4
JYNG	Yongunijimaku	0.91 89	P	Op	Pb	15 31 17.1	+0.1
JYNG			eS	Op	Sn	15 31 30.1	+0.3
SBCB	Hsinchu	0.95 292	uP	Op	Pb	15 31 18.5	+0.1
SBCB			eS	Op	Sn	15 31 32.6	+1.1
HSN	Hsinchu	0.96 292	eP	Op	Pb	15 31 17.6	+0.5
HSN			eS	Op	Sn	15 31 32.3	+0.4
YOJ	Yonaguni jima	0.97 88	P	Op	Pb	15 31 18.2	+0.1
YOJ			S	Op	Sg	15 31 31.6	+0.1
YOJ	Yonaguni jima	0.97 88	P	Op	Pb	15 31 18.1	+0.1
YOJ			eS	Op	Sb	15 31 31.2	+0.4
DPDB	Guoxing	1.02 247	eP	Op	Pb	15 31 19.1	+0.1
NMLH	Miaoli	1.06 276	eP	Op	Pg	15 31 20.8	+0.2
NMLH			eS	Op	Sg	15 31 35.6	+1.0
EHY	Hungye	1.09 212	eP	Op	Pn	15 31 18.6	+1.8
SSLB	Suanglung	1.12 235	uP	Op	Pn	15 31 20.1	+0.7
SSLB			S	Op	Sb	15 31 34.6	+0.4
TYC	Yuchr	1.13 242	eP	Op	Pb	15 31 20.4	+0.5
PCYT	Pengchaiyu	1.19 5	eP	Op	Pn	15 31 20.5	+1.3
TCU	Taichung	1.20 256	eP	Op	Pb	15 31 22.9	+0.7
YULB	Yu-li	1.20 210	eP	Op	Pn	15 31 20.7	+1.2
TWF1	Yuli	1.23 209	eP	Op	Pn	15 31 21.1	+1.3
WJS	Zhushan	1.27 242	eP	Op	Pb	15 31 23.4	+0.1
WNT	Mingjian	1.28 245	eP	Op	Pg	15 31 24.8	+0.1
WNT			eS	Op	Sg	15 31 43.6	+2.0
YUS	Yu-Shan	1.31 224	eP	Op	Pb	15 31 23.1	+0.7
YUS			eS	Op	Sn	15 31 42.2	+1.1
WCHH	Zhanghua	1.32 255	eP	Op	Pn	15 31 23.4	+0.1
FULB	Ful	1.37 206	eP	Op	Pn	15 31 23.8	+0.5
CHN5	Tsauling	1.43 235	eP	Op	Pb	15 31 26.5	+0.3
CHN5			eS	Op	Sg	15 31 45.7	+0.6
CHKT	Chengkung	1.44 202	eP	Op	Pn	15 31 25.6	+0.6
WGK	Gukeng	1.47 240	eP	Op	Pb	15 31 27.0	+0.1
WGK			eS	Op	Sg	15 31 47.7	+0.1
WDLH	Douliu	1.49 240	eP	Op	Pb	15 31 27.6	+0.5
ELDTW	Lidau	1.51 215	eP	Op	Pn	15 31 26.3	+0.1
RLNB	Erlin	1.55 250	eP	Op	Pn	15 31 27.1	+0.4
RLNB			eS	Op	Sg	15 31 49.2	+1.0
IRIF	Iriomote-Funau	1.63 93	P	Op	Pn	15 31 27.4	+0.3
IRIF			eS	Op	Sn	15 31 46.0	+2.2
TPUB	Ta-pu	1.66 227	eP	Op	Pb	15 31 30.4	+0.4
STYT	Tauyuan	1.67 221	eP	Op	Pb	15 31 29.1	+0.6
WTP	Ta-pu	1.70 226	eP	Op	Pb	15 31 30.4	+0.4
WTP			eS	Op	Sb	15 31 53.4	+1.5
WSF	Szhu	1.77 244	eP	Op	Pn	15 31 30.0	+0.3
TWH	Lutao	1.77 194	eP	Op	Pb	15 31 28.0	+1.7
TWK	Hsiyinying	1.77 229	eP	Op	Pb	15 31 31.9	+0.2
TWK			eS	Op	Sn	15 31 53.0	+1.0
WLGb	Puzi	1.79 238	eP	Op	Pb	15 31 32.1	+0.1
TWGB	Beinan	1.80 207	eP	Op	Pn	15 31 29.1	+1.1
TWG	Pinlang	1.80 207	eP	Op	Pn	15 31 29.4	+0.7
CHN1	Nanshi	1.80 227	eP	Op	Pb	15 31 32.0	+0.5
CHN1			eS	Op	Sb	15 31 56.5	+1.8
SGST	Jiashian	1.84 223	eP	Op	Pn	15 31 30.7	0.0
SLGT	Litugui	1.87 220	eP	Op	Pn	15 31 32.0	+1.0
JKRS	Kuro-shima	1.89 96	P	Op	Pn	15 31 31.6	+0.3
JKRS			eS	Op	Sn	15 31 54.8	+0.1
CHN8	Yiju	1.93 236	eP	Op	Pb	15 31 34.8	+0.2
CHN3	Shinhua	1.99 227	eP				

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Table with columns for station codes (e.g., YUK, SHO, SHO, etc.), flight details (comp, time, class), and prices (e.g., 16 44 43.0 -2.8, 16 46 08.9 -6.5).

Table with columns for station codes (e.g., OKH, OKH, OKH, etc.), flight details (comp, time, class), and prices (e.g., 16 49 41.9 -3.8, 16 47 11.6 -2.2).

Table with columns for station codes (e.g., SONM, SONM, GZH, etc.), flight details (comp, time, class), and prices (e.g., 16 55 33.9 +1.1, 16 49 11.8 -1.2).

KIS	comp=E,500nm,15.0s	MLR	MLR		
KIS	comp=E,500nm,15.0s	MLR	MLR		
FURC	comp=Z,1um,16.0s Furna Creek, braz=307	77.06	54 P	P	16 54 43.8 +1.9
LRMC	Laurel Mtn Rad braz=306	77.10	55 P	P	16 54 43.7 +1.3
TPNV	Topopah Spring comp=Z,16nm,1.1s	77.17	53 eP	P	16 54 44.0 +1.2
TPNV	Topopah Spring comp=Z,16nm,1.1s	77.17	53 eP	Pmax	16 54 44.0 +1.2
TPNV	Topopah Spring braz=307	77.17	53 P	P	16 54 44.4 +1.6
HWUT	Hardware Ranch comp=Z,32nm,1.6s	77.23	47 eP	P	16 54 44.8 +1.7
EDW2	Edwards Air Fo braz=306	77.25	56 P	P	16 54 44.6 +1.5
DUG	Dugway, Toeole comp=Z,6.7nm,0.8s	77.35	49 eP	P	16 54 45.4 +1.7
DUG	Dugway, Toeole braz=308	77.35	49 eP	Pmax	16 54 45.4 +1.7
DUG	Dugway, Toeole braz=308	77.35	49 P	P	16 54 45.5 +1.7
LVV	L'vov	77.48	324 eP	P	16 54 44.7 +0.6
LVV				eS	17 04 36.2 +3.1
BEL	Belsk	77.55	327 eP	P	16 54 45.4 +1.1
BEL	Belsk	77.55	327 eP	P	16 54 45.4 +1.1
TCUT	Toone Canyon comp=Z,83nm,1.9s	77.63	48 eP	P	16 54 46.5 +1.1
BW06	Boulder Array comp=Z,6.6nm,1.0s	77.67	45 P	P	16 54 46.3 +0.8
BW06	Boulder Array braz=309	77.67	45 P	P	16 54 46.5 +0.9
PD31	Pinedale Array braz=309	77.67	45 eP	P	16 54 46.3 +0.8
PD31	Pinedale Array comp=Z,2.3nm,0.7s,baz=257,slow=2.4,SNR=21	77.67	45 P	P	16 54 46.5 +0.9
PDAR	Pine Spring comp=Z,2.2nm,0.7s,baz=257,slow=2.4,SNR=21	77.73	51 eP	LR	17 25 03.7
PSAR	Pine Spring comp=Z,2.2nm,0.7s,baz=257,slow=2.4,SNR=21	77.73	51 eP	P	16 54 46.3 +0.8
PSUT	Pine Spring comp=Z,2.2nm,0.7s,baz=257,slow=2.4,SNR=21	77.73	51 eP	P	16 54 47.4 +1.4
BORG	Borgarnes comp=Z,22nm,1.5s	77.73	353 P	P	16 54 47.4 +2.2
BORG	Borgarnes comp=Z,36nm,0.9s,baz=20,slow=4.8,SNR=11	77.73	353 P	LR	17 31 16.1
BORG	Borgarnes comp=Z,83nm,1.8s,baz=16,slow=37	77.73	353 eP	P	16 54 47.3 +2.2
BORG	Borgarnes comp=Z,51nm,1.0s	77.78	55 eP	P	16 54 47.2 +1.1
GSC	Goldstone, Bar comp=Z,9.8nm,1.1s	77.78	55 eP	P	16 54 47.2 +1.1
GSC	Goldstone, Bar braz=307	77.78	55 eP	Pmax	16 54 47.6 +1.4
GSC	Goldstone, Bar comp=Z,10.0nm,1.1s	77.78	55 P	P	16 54 47.6 +1.4
BFSO	Mount Baldy Ra braz=307	77.85	56 P	P	16 54 48.0 +1.4
JLU	Jordanella comp=Z,9.9nm,1.1s	77.92	48 eP	P	16 54 48.3 +1.3
NLU	North Lily Min comp=Z,9.4nm,1.2s	77.95	49 eP	P	16 54 48.4 +1.3
ILGA	Ilgaz comp=Z,19nm,0.8s	78.08	313 eP	P	16 54 48.8 +1.0
SHPR	Sheep Range comp=Z,12nm,1.1s	78.13	53 eP	P	16 54 49.8 +1.7
MPU	Maple Canyon comp=Z,12nm,1.1s	78.18	49 eP	P	16 54 49.7 +1.3
KWP	Kalwaria Pacia comp=Z,14nm,1.2s	78.23	324 eP	P	16 54 49.2 +0.9
KWP	Kalwaria Pacia braz=307	78.23	324 eP	P	16 54 49.2 +0.9
TUQ	Turquoise Moun braz=307	78.28	54 P	P	16 54 50.4 +1.4
HEC	Hecton, Ludlow braz=307	78.38	55 P	P	16 54 51.1 +1.7
BUR08	Bucovina Ar. S braz=307	78.40	322 eP	P	16 54 49.6 +0.2
BUR04	Bucovina Ar. S braz=307	78.41	322 eP	P	16 54 49.5 +0.1
BURAR	Bucovina Array braz=307	78.41	322 eP	P	16 54 49.7 +0.3
BIZ	Biaz comp=Z,14nm,1.2s	78.43	321 eP	P	16 54 50.5 +1.1
TESR	Tescani comp=Z,14nm,1.2s	78.44	320 eP	P	16 54 49.5 +0.1
CFR	Carcaliu comp=Z,14nm,1.2s	78.55	319 eP	P	16 54 50.3 +0.3
CCUT	Cedar City comp=Z,6.1nm,0.9s	78.64	51 eP	P	16 54 52.7 +1.6
MSU	Marysvalde comp=Z,6.1nm,0.9s	78.78	50 eP	P	16 54 53.7 +1.9
MSU	Marysvalde braz=307	78.78	50 eP	P	16 54 53.7 +1.9
SZCU	Shurtz Canyon comp=Z,17nm,1.6s	78.78	51 eP	P	16 54 53.2 +1.4
VRI	Vrincioia comp=Z,17nm,1.6s	78.83	320 eP	P	16 54 51.9 +0.3
GMRC	Granite Mountai braz=307	78.85	55 P	P	16 54 53.4 +1.3
TMUT	Trail Mountain comp=Z,12nm,1.1s	78.88	49 eP	P	16 54 53.6 +1.2
BR131	Keskin Array S comp=Z,12nm,1.1s	78.95	312 eP	P	16 54 52.6 +0.1
BR131	Keskin Array S SNR=6.4	78.95	312 P	P	16 54 52.7 +0.1
BRTR	Keskin Array B comp=Z,8.0nm,0.9s,baz=104,slow=5.2,SNR=24	78.95	312 P	P	16 54 52.6 0.0
BRTR	Keskin Array B comp=Z,123nm,18.3s,baz=50,slow=37	78.95	312 eP	LR	17 34 34.5
TLB	Topalu comp=Z,123nm,18.3s,baz=50,slow=37	78.99	318 eP	P	16 54 53.1 +0.6
FRD	Ford Ranch, An braz=307	79.00	56 P	P	16 54 54.2 +1.3
PFO	Pinyon Flats O comp=Z,12nm,1.1s	79.03	56 eP	P	16 54 53.8 +0.7
PFO	Pinyon Flats O comp=Z,12nm,1.1s	79.03	56 eP	Pmax	16 54 53.8 +0.7
PFO	Pinyon Flats O comp=Z,12nm,1.1s	79.03	56 P	P	16 54 54.0 +0.9
LDFC	Landfair comp=Z,17nm,1.1s	79.03	54 eP	P	16 54 53.7 +0.7
XPFO	Pinyon Flats O comp=Z,12nm,1.1s	79.03	56 eP	P	16 54 53.7 +0.6
TPFO	Pinon Flats braz=307	79.03	56 P	P	16 54 54.0 +0.8
LCMT	Little Creek M comp=Z,17nm,1.1s	79.04	52 eP	P	16 54 54.5 +1.4
MTPU	Mount Pierson comp=Z,9.4nm,0.9s	79.07	51 eP	P	16 54 55.2 +1.7
BELC	Belle Mtn. Jos braz=307	79.10	56 P	P	16 54 54.1 +0.6
UZH	Uzhgorod comp=Z,12nm,1.1s	79.13	324 eP	P	16 54 52.9 -0.3
UZH				ePPP	16 55 04.1
UZH				eS	16 59 46.3
UZH				MLR	17 04 46.7 -4.0
UZH				MLR	
UZH				MLR	
OZUR	Preston Nutter comp=Z,22nm,1.3s	79.16	320 eP	P	16 54 54.3 +0.8
P18A	Preston Nutter comp=Z,22nm,1.3s	79.25	48 eP	P	16 54 55.9 +1.4
CRVS	Cervencia-Dubn comp=Z,36nm,1.8s	79.33	324 eP	Pmax	16 54 54.6 +0.3
CRVS	Cervencia-Dubn braz=307	79.33	324 eP	P	16 54 54.6 +0.3
TRPA	Tarpa comp=Z,36nm,1.8s	79.33	324 eP	P	16 54 54.6 +0.3
TRPA	Tarpa braz=307	79.36	323 eP	P	16 54 55.3 +0.9
ANTO	Ankara comp=Z,20nm,1.1s	79.37	312 eP	P	16 54 55.7 +0.9
ANTO	Ankara comp=Z,20nm,1.1s	79.37	312 eP	P	16 54 55.0 +0.2
ANTO	Ankara comp=Z,20nm,1.1s	79.37	312 eP	Pmax	16 54 55.0 +0.2
SRU	San Rafael Swe comp=Z,17nm,1.1s	79.41	49 eP	P	16 54 55.6 +0.4
ISR	Istrita comp=Z,17nm,1.1s	79.43	319 eP	P	16 54 56.1 +1.1
ICOR	Ion Corvin comp=Z,17nm,1.1s	79.43	318 eP	P	16 54 58.2 +3.3
BAR	Barrett comp=Z,8.6nm,0.8s	79.45	42 eP	P	16 54 56.2 +0.8
DOPR	Dopca comp=Z,9.2nm,1.0s	79.46	40 eP	P	16 54 56.2 +1.2
K22A	Casper comp=Z,9.2nm,1.0s	79.46	40 eP	P	16 54 56.2 +0.8
MONP2	Monument Peak braz=307	79.48	57 P	P	16 54 56.9 +1.2
MLR	Muntele Rosu comp=Z,3.0nm,0.7s,baz=39,slow=5.3,SNR=9.7	79.49	320 P	P	16 54 55.6 +0.3
MLR	Muntele Rosu comp=Z,3.0nm,0.7s,baz=39,slow=5.3,SNR=9.7	79.49	320 eP	LR	17 33 18.2
MLR	Muntele Rosu comp=Z,6.77nm,18.5s,baz=47,slow=38	79.49	320 eP	P	16 54 55.4 0.0
MLR	Muntele Rosu comp=Z,17nm,1.2s	79.49	320 eP	P	16 54 55.1 -0.3
MLR	Muntele Rosu comp=Z,17nm,1.2s	79.49	320 eP	Pmax	16 54 55.1 -0.3

NIE	Niedzica comp=Z,7.2nm,0.9s,baz=299,slow=8.4,SNR=6.7	79.49	325 eP	P	16 54 56.2 +1.0
NIE	Niedzica comp=Z,7.2nm,0.9s,baz=299,slow=8.4,SNR=6.7	79.49	325 eP	P	16 54 56.2 +1.0
MDND	Maddock braz=315	79.53	37 P	P	16 54 56.2 +0.8
ULM	Lac du Bonnet comp=Z,4.0nm,1.5s	79.53	33 eP	P	16 54 55.7 +0.4
ULM	Lac du Bonnet comp=Z,4.0nm,1.5s	79.53	33 eP	P	16 54 55.2 -0.1
ULM	Lac du Bonnet comp=Z,4.0nm,1.5s	79.53	33 eP	Pmax	16 54 55.2 -0.1
IRM	Iron Mountain braz=308	79.56	55 P	P	16 54 57.1 +1.2
BCW3	Big Chuckwalk braz=308	79.67	56 P	P	16 54 57.4 +0.8
RW3Y	Rawlins comp=Z,48nm,1.9s	79.70	45 eP	P	16 54 57.3 +0.5
W13A	Hualapai Moun comp=Z,5.0nm,1.0s	79.81	54 eP	P	16 54 58.3 +0.9
IKP	In-Ko-Pac, Jac braz=308	79.84	57 P	P	16 54 58.6 +1.1
RSSD	Black Hills comp=Z,2.5nm,1.0s	79.84	42 eP	P	16 54 58.2 +0.7
RSSD	Black Hills comp=Z,2.5nm,1.0s	79.84	42 eP	P	16 54 58.2 +0.7
VOIR	North Rim comp=Z,2.6nm,1.4s	80.00	52 eP	P	16 54 58.6 +0.6
U15A	North Rim comp=Z,2.6nm,1.4s	80.00	52 eP	P	16 54 59.2 +0.7
RAR	Rarotonga comp=Z,256nm,19.1s,baz=322,slow=33	80.06	126 LR	LR	17 27 12.0
LANS	Lipovska Anna comp=Z,8.0nm,0.9s	80.06	326 eP	P	16 55 00.1 +1.8
LANS	Lipovska Anna comp=Z,8.0nm,0.9s	80.06	326 eP	P	16 55 00.1 +1.8
KECS	Kecevoo comp=Z,12nm,1.7s	80.08	325 eP	Pmax	16 54 58.9 +0.5
KECS	Kecevoo comp=Z,12nm,1.7s	80.08	325 eP	Pmax	16 54 58.9 +0.5
PDMCI	Parker Dam,Lak braz=308	80.13	54 P	P	16 55 00.4 +1.5
OKK	Ostrava-Krasne comp=Z,5.0nm,1.6s	80.15	327 AMS	AMS	17 33 20.0
LTWH	L'vov rtes, comp=Z,2.3nm,1.1s	80.20	323 eP	P	16 54 59.8 +0.8
KSP	Ksiaz comp=Z,2.3nm,1.1s	80.20	328 eP	P	16 54 59.7 +0.7
KSP	Ksiaz comp=Z,2.3nm,1.1s	80.20	328 eP	P	16 54 59.7 +0.7
DRGR	DRGR comp=Z,2.3nm,1.1s	80.22	322 P	Pmax	16 54 59.7 +0.5
ARR	Arges comp=Z,2.0nm,1.2s	80.25	320 eP	P	16 55 00.8 +1.4
GLA	Glamis comp=Z,2.0nm,1.2s	80.45	56 eP	P	16 55 01.6 +0.9
GLA	Glamis comp=Z,2.0nm,1.2s	80.45	56 eP	Pmax	16 55 01.6 +0.9
GLA	Glamis comp=Z,2.0nm,1.2s	80.45	56 P	P	16 55 02.1 +1.4
MORC	Moravsky Berou comp=Z,49nm,1.4s	80.46	327 eP	P	16 55 01.3 +0.8
MORC	Moravsky Berou comp=Z,49nm,1.4s	80.46	327 eP	P	16 55 00.3 -0.1
MORC	Moravsky Berou comp=Z,49nm,1.4s	80.46	327 eP	Pmax	16 55 00.4 -0.1
MORC	Moravsky Berou comp=Z,49nm,1.4s	80.46	327 eP	P	16 55 00.6 +0.1
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	P	16 55 02.1 +1.1
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	x	16 55 11.9
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	AMS	17 34 40.0
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	AMS	17 34 40.0
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	MLR	16 55 02.1 +1.1
DPC	Dobruska-Polom comp=Z,1.4nm,0.9s,baz=46,slow=6.0,SNR=19	80.56	328 eP	MLR	16 55 11.9
KRLC	Kraliky comp=Z,500nm,17.0s	80.57	328 eP	P	16 55 02.0 +1.0
KRLC	Kraliky comp=Z,500nm,17.0s	80.57	328 eP	eP	16 55 11.7 -1.3
KRLC	Kraliky comp=Z,500nm,17.0s	80.57	328 eP	sP	16 55 02.0 +1.0
KRLC	Kraliky comp=Z,500nm,17.0s	80.57	328 eP	e	16 55 11.7
PV09	Paradox Valley Comp Mtn., Par comp=Z,15nm,0.8s	80.64	49 eP	P	16 55 03.1 +1.1
PV21	Paradox Valley Comp Mtn., Par comp=Z,15nm,0.8s	80.69	48 eP	P	16 55 03.5 +1.3
A33A	Warroad braz=317	80.70	34 P	P	16 55 01.9 +0.2
PV23	Carpeniter Hill comp=Z,40nm,1.3s				

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Table with columns: Station, Name, Frequency, Power, Direction, and other technical details. Includes stations like T25A Trinidad, BLY Banja Luka, MEM Membach, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, and other technical details. Includes stations like M36A Felix, Anita, L37A Phoenix Point, H41A Junction City, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, and other technical details. Includes stations like TXAR comp=Z,4.3nm,0.7s, P42A Winchester, R40A Maddies Statio, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like POC Station P, LVC Limon Verde, LVC Limon Verde, LVC Copiap, etc.

MEX 20 16:49:02.0-0.4, 16:39N:98:34W, h23km, 7km, MD3.9, Near coast of Guerrero

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

THE 20 16:54:43.1, 36:67N-21:37E, h9km, 1km, ML3.1/6, Error ellipse: s-maj=1.4km s-min=0.6km az=44.0

ATH 20 16:54:43.1, 36:71N-21:41E, h30km, ML3.1/10, Error ellipse: s-maj=2.7km s-min=0.9km az=43.0

ICC 20 16:54:45.3, 36:71N-21:45E, h66km, 31km, mb3.3/8, mb1 3.4/9, mb1mx3.1/64, mbmtmp3.6/9, ML2.2/1, Error ellipse: s-maj=24.9km s-min=2.3km az=32.0

ISC 20 16:54:41.8-1.3, 36:58N-0:05-21:30E, 0.05, h35km, 3km, n17, n1, n12/86, mb3.5/8, Southern Greece

Large table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like MES2 Methoni, PYL PYLOS, KYR Kyprisissia, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like UDBI Keskin Array B, MORC Moravsky Berou, HFS Hagfors, etc.

ISC/JB 20 17:00:47.3-0.7, 33:30S-0:08-179:3E, 0.1, h250km, mb3.7/9, Error ellipse: s-maj=15.2km s-min=10.3km az=13.0

ICC 20 17:00:47.9, 1.6, 33:28S-179:35E, h248km, 14km, mb3.6/10, mb1 3.7/11, mb1mx3.5/45, mbmtmp4.2/11, Error ellipse: s-maj=13.5km s-min=13.3km az=32.0

ISC 20 17:00:47.6-0.7, 33:24S-0:08-179:4E, 0.1, h250km, n15, n165/16, mb3.8/9, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, RPZ Rata Peaks, etc.

THE 20 17:04:02.9, 36:64N-21:35E, h6km, 1km, ML2.5/5, Error ellipse: s-maj=2.1km s-min=1.1km az=53.0

ATH 20 17:04:03.5, 36:70N-21:46E, h30km, 1km, ML2.4/4, Error ellipse: s-maj=3.5km s-min=1.3km az=58.0

ISC 20 17:04:01.1-2.3, 36:80N-0:07-21:31E, 0.08, h16km, 9km, n36, n6/74/50, Southern Greece

Large table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like MES2 Methoni, PYL PYLOS, KYR Kyprisissia, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like SRBI Singaraja, DNP Denpasar, DNP Denpasar, etc.

GUC 20 17:20:40.4-0.5, 19:74S-70:51W, h46km, 1km, ML3.7, 3C-7W, Near coast of northern Chile

Table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like PSGC Pisagua, PB11 IPOC Station P, MNCM Minye Minye, etc.

NIED 20 17:22:00, 33:30N-132:20E, h47km, Mw3.8 Best double couple: Mb6.3100x10^14 Np1.9x202.00000, s50.00000, lambda-124.00000, NP2.9x69.00000, s51.00000, lambda-56.00000

ISC/JB 20 17:22:15.4-0.4, 33:26N-0:04-132:16E, 0.04, h57km, 4km, mb3.4/5, MS2.8/1, Error ellipse: s-maj=7.7km s-min=5.5km az=158.9

JMA 20 17:22:15.6, 33:27N-132:15E, h46km, M3.8 Broadband fault plane solution: P waves, Np1.9x198.00000, s62.00000, lambda-124.00000, NP2.9x74.00000, s43.00000, lambda-43.00000, Principal axes: T P1g11.00000, Azm312.00000, N P1g30.00000, Azm216.00000, P P1g58.00000, Azm60.00000

JMA Felt II J

ICC 20 17:22:15.3-1.1, 33:31N-132:15E, h48km, 13km, mb3.1/5, mb1 3.5/8, mb1mx3.2/70, mbmtmp3.6/8, ML3.8, MS2.9/1, Ms3.3/11, ms1mx2.4/18 Error ellipse: s-maj=15.9km s-min=9.8km az=152.0

ISC 20 17:22:15.5-0.8, 33:26N-0:05-132:16E, 0.04, h47km, 8km, n19, n9/79/28, mb3.3/4, 4C-2D, Shikoku

Large table with columns: Code, Station Name, Az, El, Phase ID, Time Res, ISC, h m s, ISC. Includes stations like JUS Usuki, UWA2 Uwa jima 2, JNA Nagahama, etc.

21d Oh

Table with columns: KMI, Kuning, 33.78 314, P, P, 21 52 14.0 +2.0. Includes stations like Kuning, KSAR, KSRS, KSRM, etc.

2012 AUG

Table with columns: MLY, Manley, 83.48 25 eP, P, 21 57 52.2 +0.3. Includes stations like Mlawson, COLDF, RND, etc.

1010

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMJC, LOF, SPITS, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations like SUJI Sorong, KMSI Cibinong, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like H11N2 WAKE ISLAND Hy 40.28, H11N3 WAKE ISLAND Hy 40.29, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like MAN 21 01:15:57.9, 10:09N, 123:16E, etc.

DDA 21 01:36:04.8, 40:85N-43:49E, h7km, M12.5
ISK 21 01:36:04.7, 40:84N-43:53E, h12km, M1.9/4
ISCJB 21 01:36:05.0, 40:81N-02:43:46E-0.04, h7km, 4km, Error ellipse: s-maj=4.7km s-min=3.6km az=179.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like EAK Akyaka, KARS Kars, DIGO Digo, etc.

IDC 21 01:36:26.6, 2.1, 2.69N, 128:54E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/6.1, mbtmp3.5/4, Error ellipse: s-maj=108.6km s-min=25.1km az=71.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 01:46:54.7, 3.2, 6.02S, 148:01E, h0km, mb4.1/2, mb1 4.2/4, mb1mx3.6/4.8, mbtmp4.0/4.0, M4.0/1, Error ellipse: s-maj=75.3km s-min=33.6km az=98.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 01:57:43.3, 35:37N-27:02E, h3km, ML3.0/16
ATH 21 01:57:44.5, 35:35N-27:10E, h18km, 1km, ML3.3/7, Error ellipse: s-maj=1.1km s-min=1.3km az=145.0
ISCJB 21 01:57:44.5, 0.8, 35:19N-02:27:17E-0.03, h26km, 8km, mb3.5/5, MS2.3/1, Error ellipse: s-maj=5.6km s-min=3.4km az=169.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like ZKR Zakros, ZKR Zakros, ZKR Zakros, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like ARG Arkhangelos, NISR Nisiros, NISR Nisiros, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like KSTL Kastelli Herak, MRBS Marmaris-Mugla, SANT Santorini, etc.

DDA 21 01:36:04.8, 40:85N-43:49E, h7km, M12.5
ISK 21 01:36:04.7, 40:84N-43:53E, h12km, M1.9/4
ISCJB 21 01:36:05.0, 40:81N-02:43:46E-0.04, h7km, 4km, Error ellipse: s-maj=4.7km s-min=3.6km az=179.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like IDI Idri, AMGA Amorgos Island, AMGA Amorgos Island, etc.

IDC 21 01:36:26.6, 2.1, 2.69N, 128:54E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/6.1, mbtmp3.5/4, Error ellipse: s-maj=108.6km s-min=25.1km az=71.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 01:46:54.7, 3.2, 6.02S, 148:01E, h0km, mb4.1/2, mb1 4.2/4, mb1mx3.6/4.8, mbtmp4.0/4.0, M4.0/1, Error ellipse: s-maj=75.3km s-min=33.6km az=98.0, New Britain region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like PMG Port Moresby, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 21 01:57:43.3, 35:37N-27:02E, h3km, ML3.0/16
ATH 21 01:57:44.5, 35:35N-27:10E, h18km, 1km, ML3.3/7, Error ellipse: s-maj=1.1km s-min=1.3km az=145.0
ISCJB 21 01:57:44.5, 0.8, 35:19N-02:27:17E-0.03, h26km, 8km, mb3.5/5, MS2.3/1, Error ellipse: s-maj=5.6km s-min=3.4km az=169.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like ZKR Zakros, ZKR Zakros, ZKR Zakros, etc.

IDC 21 02:05:28.8, 0.7, 37:56S-0:04:179.30E-0.06, h31km, mb4.4/11, MS3.7/15, Error ellipse: s-maj=7.2km s-min=5.9km az=165.9
NEIC 21 02:05:29.8, 0.0, 37:44S-179:22E, h19km, mb4.8/2, M4.4 (6WEL) After VTE

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations like WMGZ Waiomatatini S, WMGZ Waiomatatini S, MXZ Matakaoa Point, etc.

Table with columns for station code, name, frequency, and other details. Includes stations like GRJI Gresik, KCSI Kotacane, SNSI Sinabang, STKI Sintang, etc.

Table with columns for station code, name, frequency, and other details. Includes stations like QIZ comp=Z,540nm,20.6s, QIZ comp=Z,620nm,26.5s, LBMI Labuha, etc.

Table with columns for station code, name, frequency, and other details. Includes stations like WR1 comp=Z,61nm,0.6s, WARR Warramunga Arr, WRA comp=Z,33nm,0.6s, etc.

ZAA1	Zalesovo Array	60.48 348	eP	P	03 19 41.3 -0.5
ZAA1			eS	S	03 27 48.5 -3.5
BRZ5	Berezinski	60.53 338	iP	P	03 19 41.8 -0.5
BRZ5	comp=Z,58nm,1.4s				
DAMY	Dhamar	61.17 289	eP	S	03 27 52.6 -0.1
DAMY	comp=Z,42nm,0.9s				03 19 49.3 +1.7
CASY	Casey	61.60 177	eP	P	03 19 50.3 +1.1
NVS	Novosibirsk	61.66 347	iP	P	03 19 49.3 -0.4
NVS					03 20 04.4
NVS					03 20 29.2
NVS					03 28 07.0 +0.2
NVS	comp=N,65nm,1.4s				
NVS	comp=E,49nm,1.4s				
NVS	comp=Z,88nm,1.4s				
NVS	comp=N,20nm,1.9s				
NVS	comp=E,32nm,1.9s				
ZEA	Zeya	61.78 16	ceP	P	03 19 50.8 +0.2
ZEA	comp=N,83nm,1.0s				
ZEA	comp=E,71nm,1.0s				
ATD	Arta Tunnel	61.97 286	LR	LR	03 43 52.9
YSS	Yuzh-Sakhalins	62.35 301	eP	P	03 19 54.2 -0.3
YSS			ePP	PP	03 20 11.9 -0.7
YSS			eP	P	03 20 29.5
YSS			eS	S	03 22 16.7
YSS			eS	S	03 28 18.4 +2.6
YSS	comp=Z,140nm,1.1s				
YSS	comp=N,40nm,0.7s				
YSS	comp=E,40nm,0.8s				
YSS	comp=Z,100nm,2.2s				
GRNR	Gorny	62.37 23	eP	P	03 19 54.8 +0.2
GRNR	comp=Z,84nm,1.0s				
RAYN	Ar Rayn	62.69 299	eP	P	03 19 57.9 +0.6
RAYN	comp=Z,19nm,0.8s				
RAYN	Ar Rayn	62.69 299	eP	P	03 19 57.9 +0.6
RAYN	comp=Z,19nm,0.8s				
BOD	Bodalibo	63.05 7	iP	P	03 19 58.0 -0.9
BOD	comp=Z,85nm,1.3s				
DZM	Mont Dzumac	63.65 112	P	P	03 20 04.2 +0.4
DZM	comp=Z,12nm,0.7s,baz=253,slow=12,SNR=9.0				
DZM	Mont Dzumac	63.65 112	eP	P	03 20 03.8 0.0
DZM	comp=Z,53nm,1.1s				
DZM	Mont Dzumac	63.65 112	eLR	LR	03 39 11.0
DZM	comp=Z,390nm,25.1s				
DZM	Mont Dzumac	63.65 112	eP	P	03 20 04.0 +0.3
DZM	comp=Z,77nm,0.7s				
BVA0	Borovoye Array	63.83 339	P	P	03 20 03.2 -1.1
BVA0	comp=Z,58nm,0.7s				
BVAR	Borovoye Array	63.83 339	P	P	03 20 03.6 -0.6
BVAR	comp=Z,69nm,0.6s,baz=134,slow=8.5,SNR=382				
BVAR	comp=Z,30nm,0.7s,baz=130,slow=6.0,SNR=4.7				
BVAR	comp=Z,0.8nm,0.7s,baz=143,slow=3.9,SNR=3.9				
BVAR	comp=Z,162nm,19.0s,baz=129,slow=4.1				
KUR	Kuril'sk	63.89 34	iP	P	03 20 04.8 0.0
BRVK	Borovoye	63.90 339	eP	P	03 20 04.1 -0.5
BRVK	comp=Z,59nm,0.7s				
BRVK	Borovoye	63.90 339	P	P	03 20 04.3 -0.4
BRVK	SNR=23				
BRVK	Borovoye	63.90 339	iP	P	03 20 03.9 -0.8
BRVK	comp=Z,43nm,0.6s				
AB31	Akbulak array	65.51 331	iP	P	03 20 14.7 -0.6
AB31	comp=Z,107nm,0.6s				
ABKAR	Akbulak array	65.51 331	eP	P	03 20 14.9 -0.3
ABKAR	comp=Z,5nm,0.8s				
KMBO	Kilima Mbogo	65.71 271	P	P	03 20 18.9 +1.4
KMBO	comp=Z,7.8nm,1.1s,baz=56,slow=11,SNR=8.0				
KMBO	Kilima Mbogo	65.71 271	eP	P	03 20 17.5 -0.1
KMBO	comp=Z,5nm,0.8s				
KMBO	Kilima Mbogo	65.71 271	iP	P	03 20 18.7 +1.1
KMBO	comp=Z,5.9				
KMBO	Kilima Mbogo	65.71 271	P	P	03 20 19.0 +1.4
KMBO	comp=Z,8.0nm,1.1s				
AKTO	Aktyubinsk	67.23 331	P	P	03 20 25.7 -0.5
AKTO	comp=Z,26nm,0.8s,baz=122,slow=8.1,SNR=7.7				
AKTO	comp=Z,0.4nm,0.4s,baz=210,slow=20,SNR=4.8				
AKTO	comp=Z,35nm,18.0s,baz=138,slow=4.1				
MAW	Mawson	68.36 195	P	P	03 20 33.6 +0.6
MAW	comp=Z,7.1nm,0.8s,baz=28,slow=7.8,SNR=21				
MAW	comp=Z,609nm,21.8s,baz=56,slow=30				
MAW	comp=Z,2.8nm,0.7s,baz=211,slow=5.7,SNR=10				
MAW	Mawson	68.36 195	P	P	03 20 33.8 +0.8
MAW	comp=Z,88,SNR=15				
MAW	Mawson	68.36 195	eP	P	03 20 33.6 +0.6
MAW	comp=Z,5.9nm,0.8s				
GNI	Garni	69.59 316	P	P	03 20 42.1 +0.8
GNI	comp=Z,18nm,0.7s,baz=40,slow=1.3,SNR=9.7				
GNI	Garni	69.59 316	eP	P	03 20 42.5 +1.1
GNI	comp=Z,24nm,0.8s				
GNI	Garni	69.59 316	iP	P	03 20 41.7 +0.3
GNI	SNR=5.2				
GNI	Garni	69.59 316	iP	P	03 20 42.0 +0.6
GNI	comp=Z,104nm,1.0s				
TARA	Tarawa	70.15 87	P	P	03 20 46.3 +1.2
TARA	comp=Z,181nm,1.0s				
GROC	Groznyy	70.23 319	eP	P	03 20 45.6 +0.6
GROC	comp=Z,10.2 +0.8				
GROC	comp=Z,0.1 06.9				
GROC	comp=Z,0.29 51.0 +1.0				
GROC	comp=Z,0.30 16.3				
GROC	comp=Z,161nm,0.8s				
TBLG	Delisi	70.27 317	eP	P	03 20 46.2 +0.8
TBLG	comp=Z,118nm,0.9s				
TBLG	Delisi	70.27 317	eP	P	03 20 46.2 +0.8
TBLG	comp=Z,118nm,0.9s				
SVE	Sverdlovsk	70.39 337	iP	P	03 20 46.1 +0.4
SVE	comp=Z,183nm,1.1s				
RPZ	Rata Peaks	70.91 135	P	P	03 20 49.1 -0.2
RPZ	comp=Z,13nm,0.7s,baz=271,slow=4.4,SNR=9.0				
AKH	Akhalkalaki	70.98 317	iP	P	03 20 51.4 +1.5
AKH	Akhalkalaki	70.98 317	eP	P	03 20 51.1 +1.2
AKH	comp=Z,20nm,0.9s				
AKH	Akhalkalaki	70.98 317	eP	P	03 20 51.1 +1.2
AKH	comp=Z,20nm,0.9s				
ZEI	Tsey	71.29 318	eP	P	03 20 50.3 -1.5
ZEI	comp=Z,53nm,0.7s				
OXZ	Oxford	71.54 34	eP	P	03 20 53.6 +0.6
OXZ	comp=Z,25nm,0.8s				
SKR	Severo-Kuril's	71.87 32	iP	P	03 20 52.9 -0.1
NCK	Nalchik	71.80 319	iP	P	03 20 55.0 +0.4
NCK	comp=Z,106nm,0.7s				
THZ	Tophouse	71.88 132	eP	P	03 20 56.2 +1.0
THZ	comp=Z,51nm,0.8s				
MBAR	Mbarara	72.25 271	eP	P	03 20 59.7 +1.6
MBAR	comp=Z,24nm,0.8s				
NEY	Neytrino	72.27 318	iP	P	03 20 58.7 +1.1
NEY	comp=Z,18nm,0.8s				

KBZ	Khabaz	72.35 319	P	P	03 20 58.4 +0.6
KBZ	comp=Z,85nm,0.8s,baz=119,slow=4.7,SNR=125				
KVAR	Kislovodsk Arr	72.58 319	P	P	03 20 59.6 +0.2
KVAR	comp=Z,59nm,0.9s,baz=0.0,slow=7.1,SNR=19				
KIV	Kislovodsk	72.59 319	eP	P	03 20 59.3 -0.1
KIV	comp=Z,70nm,0.9s				
KIV	Kislovodsk	72.59 319	P	P	03 20 59.7 +0.3
KIV	SNR=10				
KIV	Kislovodsk	72.59 319	iP	P	03 20 59.7 +0.3
KIV	Kislovodsk	72.59 319	eP	P	03 20 59.6 +0.3
KIV	comp=Z,76nm,0.9s				
KIV	comp=Z,53nm,4.4s				
ASF	Jabal al Asfar	72.62 306	P	P	03 21 01.5 +1.7
ASF	comp=Z,48nm,0.9s,baz=64,slow=3.4,SNR=98				
GOF	Gofitskoye	72.83 320	eP	P	03 21 01.0 +0.4
GOF	comp=Z,100nm,1.2s				
EIL	Elat	73.52 303	P	P	03 21 07.2 +2.2
EIL	comp=Z,38nm,0.7s,baz=98,slow=2.1,SNR=39				
PEA0B	Petropavlovsk	73.70 31	eP	P	03 21 05.2 -0.4
PEA0B	comp=Z,25nm,0.9s				
PETK	Petropavlovsk	73.70 31	P	P	03 21 04.8 -0.8
PETK	comp=Z,19nm,0.8s,baz=208,slow=5.5,SNR=27				
PETK	Petropavlovsk	73.70 31	P	P	03 21 04.8 -0.8
PETK	comp=Z,64nm,19.6s,baz=249,slow=3.7				
PETK	Petropavlovsk	73.70 31	P	P	03 21 04.8 -0.8
PETK	comp=Z,18nm,0.8s				
PETK	comp=Z,64nm,19.6s				
PEA1	Matop	73.70 31	eP	P	03 21 04.8 -0.9
PEA1	comp=Z,121nm,21.8s,baz=86,slow=32				
MMAI	Maiakovskiy	74.07 306	P	P	03 21 10.2 +1.8
MMAI	comp=Z,55nm,0.8s,baz=99,slow=8.5,SNR=46				
MMAI	comp=Z,8.3nm,0.5s,baz=89,slow=9.3,SNR=4.4				
MMAI	comp=Z,174nm,18.9s,baz=115,slow=3.7				
LSM	Lusaka	74.09 256	eP	P	03 21 09.6 +0.7
LSM	comp=Z,37nm,0.9s				
PET	Petropavlovsk	74.15 31	eP	P	03 21 07.9 -0.3
PET	comp=Z,77nm,0.7s				
PET	Petropavlovsk	74.15 31	eP	P	03 21 07.9 -0.3
PET	comp=Z,57nm,0.7s				
BKZ	Black Stump Fm	74.21 129	eP	P	03 21 09.1 +0.1
BKZ	comp=Z,68nm,1.0s				
MA2	Magadan	74.38 23	P	P	03 21 09.5 0.0
MA2	comp=Z,29nm,0.7s,baz=211,slow=6.7,SNR=12				
MA2	Magadan	74.38 23	eP	P	03 21 09.5 0.0
MA2	comp=Z,39nm,0.9s				
SOC	Sochi	74.41 318	eP	P	03 21 09.2 -0.7
SOC	comp=Z,48nm,0.8s				
SOC	comp=Z,27.3 -1.2				
SOC	comp=Z,23 51.3				
SOC	comp=Z,25 39.4				
SOC	comp=Z,30 41.2 +1.9				
SOC	comp=Z,35 27.1 0.0				
URZ	Ureikha	74.59 128	P	P	03 21 10.9 -0.3
URZ	comp=Z,8nm,0.6s,baz=281,slow=5.2,SNR=2.9				
NR1K	Noril'sk	74.74 354	P	P	03 21 10.7 -0.6
NR1K	comp=Z,28nm,0.3s,baz=151,slow=2.4,SNR=30				
NR1K	comp=Z,191nm,21.2s,baz=240,slow=36				
SYO	Syowa Base	76.21 199	eP	P	03 21 20.0 +0.2
SYO	Syowa Base	76.21 199	eP	P	03 21 21.0 -0.5
SYO	Syowa Base	76.21 199	eP	P	03 21 21.4 +3.2
SYO	Syowa Base	76.21 199	eP	P	03 21 21.9 +1.0
SYO	Syowa Base	76.21 199	eP	P	03 21 20.1 -0.5
VRH	Novokhopovsk	76.29 325	eP	P	03 20 56.9 -2.9
VRH	comp=Z,260nm,0.7s				
VRH	comp=Z,200nm,1.6s				
VRH	comp=E,380nm,1.4s				
MAMC	Mammari	76.42 308	P	P	03 21 22.8 +1.1
MAMC	comp=Z,23.8 +1.0				
LBTB	Lobatse	76.55 246	eP	P	03 21 30.8 -3.3
LBTB	comp=Z,30.8 -3.3				
LBTB	Lobatse	76.55 246	eP	P	03 21 30.8 -3.3
LBTB	comp=Z,30.8 -3.3				
SZAC	Souni	76.57 307	P	P	03 21 23.5 +0.9
ALFC	Alefka	76.90 308	P	P	03 21 24.7 +0.3
BOSA	Boshof	76.94 242	eP	P	03 21 25.3 +0.4
BOSA	comp=E,17nm,1.0s,baz=96,slow=9.3,SNR=11				
BOSA	comp=E,383nm,20.7s,baz=89,slow=30				
BOSA	Boshof	76.94 242	eP	P	03 21 25.7 +0.7
BOSA	comp=Z,21 25.0 +0.6				
AKMC	Akamaks	77.08 307	P	P	03 21 24.5 -0.5
SEYM	Seymchan	77.13 21	P	P	03 21 24.5 -0.5
SEYM	comp=E,11nm,0.6s,baz=230,slow=7.1,SNR=25				
SEY	Seymchan	77.13 21	iP	P	03 21 24.3 -0.7
BR101	Keskin Array S	77.39 312	eP	P	03 21 26.8 -0.4
BR131	Keskin Array S	77.39 312	eP	P	03 21 26.8 -0.4
BR131	Keskin Array S	77.39 312	eP	P	03 21 27.1 -0.1
BR131	SNR=27				
BRTR	Keskin Array B	77.39 312	P	P	03 21 26.8 -0.4
BRTR	comp=Z,51nm,0.7s,baz=135,slow=7.2,SNR=345				
BRTR	comp=E,75nm,20.0s,baz=100,slow=59				
VORD	Divnogorie	77.58 325	eP	P	03 21 26.3 -1.5
VORD	comp=Z,60nm,0.6s				
VORD	comp=Z,60nm,0.6s				
VORD	comp=N,40nm,1.1s				
ILGA	Ilgaz				

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Table with columns: Station, Frequency, Power, and other parameters. Includes stations like BMR, Deva, L'vov, PDO, HERR, ZKS, APA, etc.

2012 AUG

Table with columns: Station, Frequency, Power, and other parameters. Includes stations like SNA, JAVC, CEL, MORC, MODS, etc.

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Table with columns: Station, Frequency, Power, and other parameters. Includes stations like CLL, Colim, HFS, ABTA, SPAO, etc.

ILAR	comp=Z,0.7nm,0.9s,baz=300,slow=8.0,SNR=6.5	PP	PP	03 27 35.4	-8.1
ILAR	comp=Z,0.7nm,0.8s,baz=275,slow=3.1,SNR=7.7	PKIKP	PKIKP	03 27 48.0	-1.2
ILAR	comp=Z,0.2nm,0.6s,baz=130,slow=2.8,SNR=4.3	PKIKP	PKIKP	03 29 27.8	-2.1
SML	Sawmill 102.99	27 ePdf	Pdf	03 23 30.2	+0.3
SML	Sawmill 102.99	27 ePdf	Pdf	03 23 30.2	+0.3
EKA	Esksdalemir Ar 103.09	326 ePdf	Pdf	03 23 30.3	-0.1
EKA	comp=Z,1.0nm,0.6s,baz=83,slow=4.5,SNR=4.2	PP	PP	03 27 36.2	-9.5
RIDG	Independ'e Rid 103.99	59 ePdf	Pdf	03 23 34.3	-0.1
SCRK	Sand Creek 104.07	25 ePdf	Pdf	03 23 35.8	0.0
PP2T	Papeete2 104.20	110 eLR	LR	03 28 25.5	0.0
ESDC	comp=Z,0.2nm,0.5s,baz=75,slow=6.4,SNR=2.8	PKIKP	PKIKP	03 23 44.1	-0.1
ESDC	comp=Z,0.4nm,0.5s,baz=75,slow=6.4,SNR=2.8	PKIKP	PKIKP	03 28 08.4	-0.1
ESDC	comp=Z,0.8nm,0.7s,baz=280,slow=4.4,SNR=8.2	PKIKP	PKIKP	03 39 34.6	0.0
ESDC	comp=Z,0.3nm,0.7s,baz=268,slow=4.5,SNR=8.4	PKIKP	PKIKP	03 27 54.8	-0.7
INK	Inuvik 106.39	19 PKIKP	PKIKP	03 28 13.4	-0.8
YKA	Yellowknife Ar 116.12	18 PKP	PKP	03 28 13.4	-0.8
YKA	comp=Z,2.9nm,0.8s,baz=324,slow=2.0,SNR=2.2	PKIKP	PKIKP	03 39 04.9	-7.1
YKB5	Yellowknife Ar 116.12	18 ePKP	PKP	03 28 13.4	-0.8
A04D	Lummi Island 121.56	34 ePKP	PKP	03 28 25.5	+0.5
NLWA	Neilton Lookout 121.61	36 ePKP	PKP	03 28 26.2	+0.9
D03D	Eldon 121.98	35 P	PKP	03 28 26.9	+1.0
B05A	Bryant 122.15	34 P	PKP	03 28 26.9	+0.7
E03A	Lebam 122.23	36 ePKP	PKP	03 28 27.7	+1.3
F03A	Seaside 122.55	37 ePKP	PKP	03 28 28.4	+1.3
D05A	Ennumclaw 122.80	35 ePKP	PKP	03 28 28.8	+1.2
E04D	Cinebar 122.81	36 P	PKP	03 28 28.3	+0.8
G03D	McMinville, O 123.09	38 P	PKP	03 28 28.9	+0.7
L0N	Longmire 123.14	35 ePKP	PKP	03 28 28.8	+0.5
L0N	Longmire 123.14	35 ePKIKP	PKP	03 28 28.8	+0.5
I02D	Swisshome 123.29	39 P	PKP	03 28 29.4	+0.8
B08A	Colville Reser 123.60	33 ePKP	PKP	03 28 29.2	+0.1
J01D	Myrtle Point 123.70	40 P	PKP	03 28 30.0	+0.6
H04D	Lebanon 123.77	38 P	PKP	03 28 30.4	+0.9
I03D	Drain, OR 123.81	39 P	PKP	03 28 30.3	+0.8
F05D	White Salmon 123.81	36 P	PKP	03 28 30.2	+0.7
H04A	Detroit Lake 124.02	38 ePKP	PKP	03 28 30.6	+0.5
K02D	Williamette Mer 124.09	40 P	PKP	03 28 31.0	+0.7
G05D	Wamic, OR 124.25	37 P	PKP	03 28 31.2	+0.8
I04A	Tendick Farm, 124.34	39 P	PKP	03 28 30.6	0.0
L02D	Cave Junction, 124.39	41 P	PKP	03 28 31.5	+0.7
C09A	Chrisman Ranch 124.51	33 ePKP	PKP	03 28 31.5	+0.7
H0M0	Hull Mountain 124.59	40 ePKP	PKP	03 28 31.9	+0.8
D06A	Wollman Farm, 124.60	34 ePKP	PKP	03 28 31.7	+0.7
HAWA	Harford 124.61	34 ePKP	PKP	03 28 31.4	+1.2
G06A	Carlson Farm, 124.66	36 ePKP	PKP	03 28 31.9	+0.7
I05D	Terrebonne, OR 124.72	38 P	PKP	03 28 31.9	+0.5
J04D	Umpqua Nationa 124.81	39 P	PKP	03 28 32.1	+0.3
NEW	Newport 124.83	32 ePKP	PKP	03 28 31.9	+0.5
NEW	Newport 124.83	32 ePKP	PKP	03 28 31.6	+0.2
KHMM	Horse Mountain 124.92	42 ePKP	PKP	03 28 33.0	+0.9
YBH	Yreka Blue Hor 125.18	41 ePKP	PKP	03 28 31.4	+1.1
YBH	comp=Z,1.4nm,0.9s,baz=288,slow=3.2,SNR=2.2	PP	PP	03 28 23.9	+1.6
L04D	Klamath Falls 125.18	41 ePKP	PKP	03 28 34.6	+1.9
PINE	Pine Mountain 125.25	38 ePKP	PKP	03 28 34.2	+1.5
M02D	Callahan 125.25	41 P	PKP	03 28 33.5	+0.9
J05C	Fort Rock, OR 125.34	39 P	PKP	03 28 33.7	+0.9
E09A	Wood Farm, Sta 125.35	34 ePKP	PKP	03 28 33.2	+0.7
N02D	Trinity Center 125.55	42 P	PKP	03 28 33.9	+0.8
G08A	Pilot Rock 125.60	35 ePKP	PKP	03 28 34.0	+0.9
M04C	Macdoel 125.72	40 P	PKP	03 28 33.8	+0.3
K05A	Summer Lake 125.84	39 ePKP	PKP	03 28 34.8	+1.0
W0C	Whiskeytown Da 125.85	42 ePKP	PKP	03 28 34.3	+0.7
O02D	Mt. Diablo Mer 125.88	43 P	PKP	03 28 34.8	+1.0
WALA	Waterfront Lakes 125.94	29 ePKP	PKP	03 28 34.5	+0.8
F10A	Beach Ranch, E 126.18	34 ePKP	PKP	03 28 34.4	+0.2
FFC	Flin Flin 126.28	18 ePKP	PKP	03 28 33.8	-0.2
O03D	Paynes Creek 126.48	42 P	PKP	03 28 34.9	0.0
JTMT	Jette 126.63	31 ePKP	PKP	03 28 35.1	+0.1
M0D	Woodc Plateau 126.65	40 ePKP	PKP	03 28 36.5	+1.2
B0M0	Blue Mountains 126.81	35 ePKP	PKP	03 28 35.5	+0.1
JBOA	Circle Bar 126.99	37 ePKP	PKP	03 28 37.3	+1.4
ORV	Oroville 127.05	43 ePKP	PKP	03 28 36.5	+0.5
WVOR	Wild Horse Val 127.41	38 ePKP	PKP	03 28 38.1	+1.4
M50	Missoula 127.41	31 ePKP	PKP	03 28 36.5	-0.1
M50	Missoula 127.41	31 P	PKP	03 28 36.5	-0.1
BEKR	Beckworth 127.66	42 ePKP	PKP	03 28 38.8	+1.5
AFDM	Forest Hills D 127.70	43 ePKP	PKP	03 28 38.2	+1.0
PAHR	Pah Ranch Range 128.38	44 ePKP	PKP	03 28 39.9	+0.9
MFID	Camas Ranch 128.40	44 ePKP	PKP	03 28 40.1	+1.3
CMB	Columbia Colle 128.54	44 ePKP	PKP	03 28 39.8	+0.9
PNTR	Pine Nut 128.56	42 ePKP	PKP	03 28 40.8	+1.7
HRV	Holter Researc 128.56	30 ePKP	PKP	03 28 39.8	+1.0
EGMT	Eagleton 128.63	28 ePKP	PKP	03 28 37.2	-1.7
EGMT	Eagleton 128.63	28 P	PKP	03 28 38.0	0.0
LRM	Limekiln Ridge 128.85	31 ePKP	PKP	03 28 40.2	+0.7
WAKR	Walker 128.96	43 ePKP	PKP	03 28 41.4	+1.5
HLID	Halley 129.25	35 P	PKP	03 28 41.0	+0.8
MCMT	McKenzie Canyo 129.30	33 ePKP	PKP	03 28 41.4	+1.0
BOZ	Bozeman (W) 129.43	31 ePKP	PKP	03 28 41.3	+0.8
BOZ	Bozeman (W) 129.43	31 P	PKP	03 28 40.9	+0.4
SCHO	Schefferville 129.44	352 PKP	PKP	03 28 40.2	+0.2
RVN	Ryan 129.51	42 ePKP	PKP	03 28 42.7	+1.8
KYN	Kaiserville 129.58	42 ePKP	PKP	03 28 42.1	+1.0
MDPB	Devils Postpil 129.64	44 ePKP	PKP	03 28 43.4	+2.1
NV01	Mina Array Baa 129.76	42 ePKP	PKP	03 28 42.7	+1.2
NVAR	comp=Z,0.9nm,0.7s,baz=238,slow=3.2,SNR=6.9	PKIKP	PKIKP	03 28 30.8	0.0
NVAR	comp=Z,3.7nm,0.6s,baz=288,slow=2.0,SNR=30	PKIKP	PKIKP	03 28 59.5	-1.7
NVAR	comp=Z,3.9nm,0.8s,baz=278,slow=2.0,SNR=6.4	PKIKP	PKIKP	03 30 50.9	-1.8
NVAR	comp=Z,1.3nm,0.9s,baz=293,slow=4.6,SNR=3.6	SKPbc	SKPbc	03 31 59.5	+1.6
QLMT	Earthquake Lak 130.05	32 ePKP	PKP	03 28 43.3	+1.5
YHB	Horse Butte 130.22	32 ePKP	PKP	03 28 43.8	+1.7
GCMT	Greycliff 130.28	30 ePKP	PKP	03 28 42.9	+0.8
YMR	Madison River 130.40	32 ePKP	PKP	03 28 44.4	+1.9
DGMR	Dagmar 130.70	24 P	PKP	03 28 43.3	+0.7
CWC	Cottonwood Cre 130.93	45 P	PKP	03 28 46.4	+1.0
RLMT	Red Lodge 130.95	30 ePKP	PKP	03 28 44.2	+0.7
RLMT	Red Lodge 130.95	30 P	PKP	03 28 44.3	+0.8
GRAC	Grapevine Rang 131.14	43 P	PKP	03 28 44.9	+1.0
TPAW	Teton Pass 131.21	33 ePKP	PKP	03 28 44.1	0.0

LAO	LASA Array 131.23	27 ePKP	PKP	03 28 45.1	+1.3
LHW	Hansel Valley 131.31	36 ePKP	PKP	03 28 44.8	+0.6
OHV	Low Hollow 131.31	32 ePKP	PKP	03 28 44.1	-0.1
SNOW	Snow King Moun 131.33	33 ePKP	PKP	03 28 45.6	+1.3
REDW	Red Top Meadow 131.35	33 ePKP	PKP	03 28 45.4	+1.0
MPMC	Manual Prospe 131.53	45 P	PKP	03 28 46.1	+1.2
R11A	Troy Canyon, C 131.61	41 ePKP	PKP	03 28 45.6	+0.8
R11A	Troy Canyon, C 131.61	41 P	PKP	03 28 45.9	+1.0
LRMC	Laurel Mtn Rad 131.69	45 P	PKP	03 28 46.3	+1.3
BGU	Big Grassy Mou 131.69	37 ePKP	PKP	03 28 45.7	+0.7
EDW2	Edwards Air Fo 131.76	45 P	PKP	03 28 46.3	+1.2
FURC	Furnace Creek, 131.76	44 P	PKP	03 28 46.4	+1.4
SPUT	South Promonto 131.79	36 ePKP	PKP	03 28 46.9	+1.7
TPNV	Topopah Spring 131.93	43 P	PKP	03 28 46.9	+1.4
ULM	Lac du Bonnet 132.00	16 PKHKP	PKP	03 28 29.2	0.0
ULM	comp=Z,1.9nm,0.7s,baz=300,slow=1.5,SNR=4.7	PKP	PKP	03 28 44.7	-0.3
ULM	comp=Z,12nm,0.7s,baz=314,slow=4.1,SNR=2.9	PKP	PKP	03 32 05.0	-0.3
HWUT	Hardware Ranch 132.11	35 ePKP	PKP	03 28 46.5	+0.7
CIS	Catalina Islan 132.14	48 P	PKP	03 28 47.2	+1.4
DUG	Dugway, Tooele 132.27	37 ePKP	PKP	03 28 47.3	+1.3
DUG	Dugway, Tooele 132.27	37 ePKIKP	PKP	03 28 47.3	+1.3
DUG	Dugway, Tooele 132.27	37 P	PKP	03 28 47.0	+1.0
BFSC	North Baldy Ra 132.31	47 P	PKP	03 28 46.8	+0.5
GSC	Goldstone, Bar 132.39	45 ePKP	PKP	03 28 47.8	+1.5
GSC	Goldstone, Bar 132.39	45 ePKIKP	PKP	03 28 47.8	+1.5
GSC	Goldstone, Bar 132.39	45 P	PKP	03 28 47.4	+1.0
BW06	Boulder Array 132.45	32 ePKP	PKP	03 28 46.5	+0.1
BW06	Boulder Array 132.45	32 P	PKP	03 28 46.7	+0.3
PD31	Pinedale Array 132.45	32 ePKP	PKP	03 28 46.6	+0.2
PDAR	North Hill Ar 132.45	32 PKIKP	PKP	03 28 30.4	0.0
PDAR	comp=Z,1.0nm,0.7s,baz=48,slow=2.2,SNR=3.8	PKP	PKP	03 28 46.8	+0.4
PDAR	comp=Z,1.6nm,0.5s,baz=318,slow=1.2,SNR=17	PKP	PKP	03 31 09.0	-0.7
PDAR	comp=Z,3.3nm,1.1s,baz=42,slow=1.5,SNR=33	SKPbc	SKPbc	03 32 08.1	+0.6
SHOC	Shoshone, Teoc 132.46	44 P	PKP	03 28 47.6	+1.2
CTU	Camp Tracy 132.59	36 ePKP	PKP	03 28 48.5	+1.8
PSUT	Pine Spring 132.62	40 ePKP	PKP	03 28 47.9	+1.1
BBRC	Big Bear Solar 132.83	46 P	PKP	03 28 48.2	+0.9
NLU	North Bly Min 132.86	37 ePKP	PKP	03 28 49.0	+1.7
MDND	Maddock 132.94	21 ePKP	PKP	03 28 47.0	+0.1
MDND	Maddock 132.94	21 P	PKP	03 28 48.1	+1.2
TUQ	Turquoise Moun 132.94	44 P	PKP	03 28 48.5	+1.1
HEC	Hector,Ludlow 132.97	45 P	PKP	03 28 48.5	+1.1
FRD	Ford Ranch, An 133.43	47 P	PKP	03 28 49.4	+1.0
GMRC	Granite Mounta 133.47	45 P	PKP	03 28 50.0	+1.6
PFO	Pinyon Flats O 133.48	47 P	PKP	03 28 49.9	+1.4
XPFO	Pinyon Flat 133.48	47 ePKP	PKP	03 28 50.1	+1.6
BELC	Belle Mtn, Jos 133.62	46 P	PKP	03 28 49.9	+1.2
MSU	Marysvalve 133.69	39 ePKP	PKP	03 28 49.2	+0.3
MSU	Marysvalve 133.69	39 ePKIKP	PKP	03 28 49.2	+0.3
MONP	Monument Peak 133.85	48 P	PKP	03 28 50.4	+1.0
MTPU	Mout Pierson 133.97	39 ePKP	PKP	03 28 50.8	+1.2
K22A	Casper 134.11	30 ePKP	PKP	03 28 49.5	0.0
K22A	Casper 134.11	30 P	PKP	03 28 49.9	+0.4
IRM	Iron Mountain 134.15	46 P	PKP	03 28 50.9	+1.3
BC3	Big Chuckwall 134.19	46 P	PKP	03 28 50.9	+1.1
RSSD	Black Hills 134.20	27 P	PKP	03 28 50.4	+0.8
IKP	In-Ko-Pah, Jac 134.28	48 P	PKP	03 28 50.7	+0.9
C33A	Tra 134.27	18 P	PKP	03 28 50.6	+1.3
SWSC	Sam W. Stewar 134.29	47 P	PKP	03 28 51.0	+1.1
PLCA	Paso Flores 134.30	187 PKP	PKP	03 28 49.7	-0.1
PLCA	comp=Z,1.7nm,0.6s,baz=199,slow=1.7,SNR=9.6	PKP	PKP	03 28 50.1	-0.2
RWWY	Rawlins 134.45	32 ePKP	PKP	03 28 50.1	-0.2
W13A	Hualapai Moun 134.54	44 ePKP	PKP	03 28 52.2	+1.7
PDMC	Parker Dam,Lak 134.78	45 P	PKP	03 28 52.3	+1.6
GLA	Glamis 134.94	47 ePKP	PKP	03 28 53.0	+1.8
GLA	Glamis 134.94	47 P	PKP	03 28 52.5	+1.4
O20A	White River Ci 134.97	34 ePKP	PKP	03 28 52.0	+0.9
O20A	White River Ci 134.97	34 P	PKP	03 28 52.6	+1.4
TRQA	Torquist 135.1				

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R40A	Maddies Statio	143.89	21	P	PKPab	03 29 04.2	-0.2
Q42A	Golden Eagle	143.90	18	P	PKPab	03 29 04.1	-0.3
N54A	Moraine State	143.90	4	P	PKPab	03 29 03.8	-0.5
P44A	Sand Creek, Wi	143.93	15	P	PKPab	03 29 04.4	0.0
O48A	Farmland	143.95	11	P	PKPab	03 29 04.1	-0.4
N59A	State Game Lan	144.02	358	P	PKPab	03 29 04.7	-0.1
S39A	Solivar	144.04	22	P	PKPab	03 29 04.4	-0.6
WMOK	Wichita Mounta	144.04	31	P	PKPab	03 29 04.9	-0.2
P45A	Graceland, Par	144.09	14	ePKPdf	PKPbc	03 29 05.5	0.0
P45A	Graceland, Par	144.09	14	P	PKPab	03 29 04.9	-0.2
Q43A	New Douglas	144.12	17	P	PKPab	03 29 05.0	-0.2
P46A	Rosedale	144.13	13	P	PKPab	03 29 05.2	-0.1
O49A	Covington	144.16	10	P	PKPab	03 29 04.7	-0.6
R41A	Rosebud	144.19	19	P	PKPab	03 29 05.1	-0.4
O50A	Cable	144.31	9	P	PKPab	03 29 05.7	-0.2
SSPA	Standing Stone	144.31	1	ePKPdf	PKPab	03 29 06.0	+0.1
SSPA	Standing Stone	144.31	1	P	PKPab	03 29 05.5	-0.3
Q44A	Meyer Farm, Va	144.35	16	P	PKPab	03 29 05.9	-0.2
R42A	Luebbering	144.39	19	P	PKPab	03 29 06.0	-0.2
S40A	Lebanon	144.42	21	P	PKPab	03 29 06.1	-0.3
CCM	Cathedral Cave	144.45	19	ePKPdf	PKPbc	03 29 06.7	-0.1
CCM	Cathedral Cave	144.45	19	ePKIKP	PKPbc	03 29 06.7	0.0
CCM	Cathedral Cave	144.45	19	P	PKPab	03 29 06.7	-0.1
P47A	Martinsville	144.47	12	P	PKPab	03 29 06.1	-0.4
TUL1	Leonard	144.54	27	ePKPdf	PKPab	03 29 06.9	0.0
TUL1	Leonard	144.54	27	P	PKPab	03 29 06.0	0.0
Q45A	Warren Harvey,	144.59	15	P	PKPab	03 29 07.0	0.0
T39A	Cleaver	144.60	23	P	PKPab	03 29 06.6	-0.5
O56A	Blue Knob Stat	144.66	2	ePKPdf	PKPab	03 29 07.2	-0.1
O56A	Blue Knob Stat	144.66	2	P	PKPab	03 29 07.1	-0.2
Q46A	CEUHS Indians,	144.66	14	P	PKPab	03 29 07.0	-0.2
R43A	Red Bud	144.66	18	P	PKPab	03 29 06.8	-0.4
P48A	Milroy	144.67	11	P	PKPab	03 29 06.7	-0.6
S41A	Jilco Farms,	144.70	20	P	PKPab	03 29 07.4	-0.1
BLO	Bloomington	144.72	13	ePKPdf	PKPab	03 29 07.3	-0.1
BLO	Bloomington	144.72	13	ePKIKP	PKPab	03 29 07.3	-0.1
GO04	Tololo Observa	144.72	189	ePKPdf	PKPab	03 29 08.6	+0.5
P49A	Miami Univ. Ec	144.73	10	P	PKPab	03 29 07.0	-0.5
PAGS	Pennsylvania G	144.73	360	ePKPdf	PKPab	03 29 07.0	-0.5
OLL	Olney	144.75	15	ePKPdf	PKPab	03 29 07.5	0.0
FVM	French Village	144.78	19	ePKPdf	PKPbc	03 29 08.2	+0.3
FVM	French Village	144.78	19	ePKIKP	PKPbc	03 29 08.2	+0.4
P50A	Jamestown	144.81	9	P	PKPab	03 29 07.3	-0.5
T40A	Mansfield	144.81	22	P	PKPab	03 29 07.2	-0.7
BDFB	Brasilia	144.82	234	PKP	PKPdf	03 29 09.5	0.0
S42A	comp-Z, 49nm, 0.6s, baz=123, slow=3.2, SNR=73	144.86	19	P	PKPab	03 29 07.5	-0.5
HPIG	Lajitas Ar. Si	144.91	48	ePKPdf	PKPbc	03 29 09.1	+0.3
TX31	Lajitas	144.91	43	ePKPdf	PKPab	03 29 08.4	-0.2
TX31	Lajitas	144.91	43	ePKIKP	PKPab	03 29 09.3	-0.1
LTX	Lajitas	144.91	43	ePKPdf	PKPab	03 29 09.2	-0.1
LTX	Lajitas	144.91	43	ePKIKP	PKPab	03 29 09.3	-0.1
TXAR	Lajitas Array	144.91	43	PKP	PKPdf	03 29 09.2	-0.1
TXAR	comp-Z, 66nm, 0.8s, baz=280, slow=1.5, SNR=714						
TXAR	comp-Z, 17nm, 0.7s, baz=235, slow=0.7, SNR=46						
TXAR	comp-Z, 2.8nm, 0.8s, baz=318, slow=1.2, SNR=7						
R44A	Waltoville	144.94	17	P	PKPab	03 29 08.1	-0.2
MVL	Millersville	144.95	359	ePKPbc	PKPab	03 29 08.1	-0.1
Q47A	Bedord North L	144.96	13	P	PKPab	03 29 08.3	-0.1
PSUB	Penn St. - Bra	145.00	358	ePKPbc	PKPbc	03 29 07.8	-0.6
HHAR	Hobbs	145.02	24	ePKPbc	PKPbc	03 29 07.9	-0.8
Q48A	North Vernon	145.12	12	P	PKPbc	03 29 08.7	-0.1
U39A	Green Forest	145.12	24	P	PKPbc	03 29 08.4	-0.6
R45A	Skylar, Fairri	145.12	16	P	PKPbc	03 29 08.8	0.0
ABTX	Abilene, Hawle	145.17	35	ePKPbc	PKPbc	03 29 09.3	0.0
ABTX	Abilene, Hawle	145.17	35	P	PKPab	03 29 09.5	+0.1
T41A	Mountain View	145.18	21	P	PKPbc	03 29 08.8	-0.4
MCWV	Mont Chateau	145.20	4	ePKPbc	PKPab	03 29 09.2	0.0
MCWV	Mont Chateau	145.20	4	P	PKPab	03 29 09.2	0.0
Q49A	Aurora	145.21	11	P	PKPbc	03 29 08.8	-0.4
S43A	Fulton Ridge,	145.27	18	P	PKPbc	03 29 08.6	-0.8
U40A	Yellville	145.39	23	P	PKPbc	03 29 09.5	-0.4
R46A	Gibson Southern	145.40	15	P	PKPbc	03 29 09.5	-0.2
SI4C	Southern Illin	145.40	17	ePKPbc	PKPbc	03 29 09.7	0.0
SI4C	Carbonate	145.41	17	P	PKPab	03 29 09.7	-0.1
T42A	Van Buren	145.43	20	ePKPbc	PKPdf	03 29 09.4	-0.5
T42A	Van Buren	145.43	20	P	PKPab	03 29 09.6	-0.3
Q51A	Peebles	145.45	9	ePKPdf	PKPdf	03 29 08.8	-1.0
Q51A	Peebles	145.45	9	P	PKPab	03 29 09.5	-0.4
V39A	Pettigrew	145.52	24	P	SKIKP	03 29 09.6	-0.6
Q50A	Georgetown	145.53	10	P	PKPdf	03 29 09.5	-0.5
SDMD	Soldier's Deli	145.54	360	ePKPdf	PKPdf	03 29 09.8	-0.2
R47A	Wooly Knot Far	145.55	13	P	PKPdf	03 29 09.9	-0.2
USIN	University of	145.59	15	ePKPdf	PKPdf	03 29 10.0	-0.1
R48A	Northridge Ran	145.60	12	P	PKPdf	03 29 10.3	+0.1
S45A	Carrier Mills	145.61	16	P	PKPdf	03 29 10.3	+0.1
T43A	Greenville	145.65	19	P	PKPdf	03 29 10.0	-0.2
WCI	Wyandotte Cave	145.67	13	ePKPdf	PKPdf	03 29 10.3	+0.1
WCI	Wyandotte Cave	145.67	13	ePKIKP	PKPdf	03 29 10.4	+0.1
WCI	Wyandotte Cave	145.67	13	P	PKPab	03 29 10.4	+0.1
U41A	Viola	145.75	22	P	PKPdf	03 29 10.6	+0.2
LCO	Las Campanas	145.84	190	ePKPdf	PKPab	03 29 13.2	+1.0
S46A	Don Dixon Farm	145.85	15	P	PKPdf	03 29 10.7	+0.1
R49A	Shelbyville	145.85	11	P	PKPdf	03 29 10.8	+0.2
T44A	Benton	145.87	18	P	PKPbc	03 29 11.0	-0.3
PBMO	Poplar Bluff	145.88	19	ePKPdf	PKPdf	03 29 10.5	-0.1
V40A	Witts Springs	145.88	23	ePKPdf	PKPdf	03 29 10.7	-0.1
V40A	Witts Springs	145.88	23	P	PKPab	03 29 10.9	+0.1
U42A	Revdenden	145.99	21	P	PKPdf	03 29 11.2	+0.3
R50A	Paris	146.01	10	P	PKPdf	03 29 11.0	+0.2
W39A	Magazine	146.01	25	ePKPdf	PKPdf	03 29 10.9	0.0
W39A	Magazine	146.01	25	P	PKPab	03 29 11.2	+0.3

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R51A	Hillsboro	146.12	9	P	PKPdf	03 29 11.4	+0.3
S47A	Hartford	146.14	14	P	PKPdf	03 29 11.4	+0.4
V41A	Chaparralview	146.16	22	P	PKPdf	03 29 11.6	+0.4
PARMO	Parma	146.20	19	ePKPdf	PKPbc	03 29 12.2	-0.1
T45A	Paducah	146.21	17	ePKPdf	PKPbc	03 29 12.6	+0.3
T45A	Paducah	146.21	17	P	PKPab	03 29 12.1	-0.1
R52A	Cattlettsburg	146.23	8	P	PKPbc	03 29 11.8	-0.5
U43A	Rector	146.26	20	P	PKPdf	03 29 11.8	+0.5
S48A	Wiedeman Farm,	146.27	13	P	PKPbc	03 29 12.1	-0.3
S49A	Springfield	146.31	12	P	PKPdf	03 29 11.7	+0.3
W40A	Ferguson Farm,	146.31	24	ePKPdf	PKPdf	03 29 11.6	+0.2
W40A	Ferguson Farm,	146.31	24	P	PKPab	03 29 12.3	-0.4
U44A	Portageville	146.37	19	P	PKPbc	03 29 12.5	-0.2
T46A	Princeton	146.40	16	P	PKPbc	03 29 12.8	-0.1
V42A	Cord	146.42	21	P	PKPbc	03 29 12.5	-0.4
X39A	Fountain Ranch	146.46	26	P	PKPbc	03 29 13.1	0.0
WHAR	Wooly Hollow	146.54	23	ePKPdf	PKPdf	03 29 12.1	+0.2
S50A	Richmond	146.59	11	P	PKPdf	03 29 12.6	+0.8
U44B	Wright Farm, H	146.63	18	P	PKPbc	03 29 13.6	+0.1
JCT	Junction City	146.63	37	ePKPdf	PKPdf	03 29 12.8	+0.6
JCT	Junction City	146.63	37	P	PKPab	03 29 14.2	+0.3
T47A	Sharon Grove	146.66	15	ePKPdf	PKPdf	03 29 12.3	-0.3
T47A	Sharon Grove	146.66	15	P	PKPab	03 29 13.2	-0.5
W41B	Gary Mavity, V	146.66	23	ePKPdf	PKPdf	03 29 12.5	+0.5
W41B	Gary Mavity, V	146.66	23	P	PKPab	03 29 13.1	-0.6
MIAR	Mount Ida	146.66	25	ePKPdf	PKPdf	03 29 12.7	+0.6
MIAR	Mount Ida	146.66	25	ePKP2	PKPdf	03 29 12.7	+0.6
MIAR	Mount Ida	146.66	25	P	PKPab	03 29 13.6	-0.1
T48A	Bowling Green	146.72	14	P	PKPbc	03 29 13.6	-0.2
V43A	Jonesboro	146.74	20	P	PKPbc	03 29 13.8	0.0
CBN	Corbin Frederi	146.75	0	ePKPdf	PKPbc	03 29 12.9	+0.9
CBN	Corbin Frederi	146.75	0	P	PKPab	03 29 13.6	-0.2
GNAR	Gosnell	146.75	19	ePKPdf	PKPbc	03 29 14.2	+0.3
SS1A	Beattyville	146.77	10	ePKPdf	PKPbc	03 29 12.2	0.0
SS1A	Beattyville	146.77	10	P	PKPab	03 29 13.4	-0.5
U45A	Rockin P Farm,	146.80	17	P	PKPbc	03 29 13.9	-0.1
SS2A	Salysville	146.81	9	P	PKPbc	03 29 13.6	-0.5
W42A	Bald Knob	146.85	22	P	PKPbc	03 29 13.7	-0.5
WHTX	Lake Whitney,	146.86	33	ePKPdf	PKPdf	03 29 13.4	+1.0
WHTX	Lake Whitney,	146.86	33	P	PKPab	03 29 14.2	-0.1
CVRD	Centerville Ro	146.88	1	ePKPdf	PKPdf	03 29 12.9	+0.6
T49A	Edmonton	146.91	13	ePKPdf	PKPdf	03 29 12.2	-0.2
T49A	Edmonton	146.91	13	P	PKPab	03 29 13.6	-0.7
U46A	Blytheville	146.92	19	P	PKPbc	03 29 14.3	-0.1
U46A	Springville	146.96	17	P	PKPbc	03 29 14.5	0.0
UALR	University of	146.97	24	ePKPdf	PKPdf	03 29 13.1	+0.5
X40A	Basin Creek Fa	147.02	24	ePKPdf	PKPbc	03 29 14.8	0.0
X40A	Basin Creek Fa	147.02	24	P	PKPab	03 29 14.5	-0.2
U07A	Clarksville	147.13	15	P	PKPbc	03 29 14.7	-0.2
G43A	Copiap	147.14	191	ePKPdf	PKPbc	03 29 14.6	-0.8
T50A	Nancy	147.14	12	P	PKPbc	03 29 14.2	-0.8
X41A	Kadon, Bauxite	147.15	24	P	PKPbc	03 29 14.7	-0.3
Y40A	Okolona	147.24	25	P	PKPbc	03 29 15.1	-0.3
JSRW	J. Sargeant Re	147.25	1	ePKPdf	PKPdf	03 29 13.5	+0.6
U47A	Waverly	147.25	14	P	PKPbc	03 29 14.9	-0.4
WVT	Waverly	147.27	16	ePKPdf	PKPdf	03 29 13.1	+0.1
WVT	Waverly	147.27	16	ePKIKP	PKPdf	03 29 13.1	+0.1
WVT	Waverly	147.27	16	P	PKPab	03 29 15.1	-0.2
V45A	Humboldt	147.30	18	P	PKPbc	03 29 15.0	-0.5
W43A	Forest City	147.31	21	P	PKPbc	03 29 15.0	-0.5
T51A	Daltonoga	147.36	10	P	PKPbc	03 29 15.1	-0.5
T52A	Hallie	147.3					

Table with columns: BTAM, Cotopaxi Volca, 4.45 344 P, Pn, 04 35 31.5 +3.5, etc. Lists various volcanic activity reports with station names, coordinates, and times.

Table with columns: INK, Inuvik, 82.81 342 eP, P, 04 46 43.5 +0.3, etc. Lists volcanic activity reports for Inuvik and other stations, including near coast of Oaxaca.

Table with columns: H11N1, WAKE ISLAND Hy, 28.80 149 T, T, 05 14 47.4, etc. Lists volcanic activity reports for Wake Island and other stations, including near east coast of eastern Honshu.

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Table with columns: TOSP, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes stations like Speyside, Trinidad (W), Pointe-a-Pierr, etc.

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Main table with columns: Code, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes stations like JSR, JSM, JST, etc. and various island groups.

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Table with columns: NAX, Station Name, Az, El, Pn, Res, Time, Res, ISC. Includes stations like Nakhchivan, Shahbuz, Lrk, etc.

ISCJB 21 11:08:35.0±0.1, 41.37N; 140.40E±0.08, h151km, 9km, mb3.1/5, Az=175.7, Error ellipse: s-maj=10.1km s-min=6.1km az=175.7

ISC 21 11:08:35.6±0.1, 40.97N; 141.66E, h132km, 71km, mb3.0/5, mb1 3.3/7, mb1mx3.0/71, mbtmp3.3/7, Error ellipse: s-maj=293.0km s-min=14.0km az=112.0

ISC 21 11:48:41.0±0.1, 6.34S; 147.75E, h0km, mb2.6/1, mb1 3.1/2, mb1mx3.0/49, mbtmp2.8/2, ML2.6/1, Error ellipse: s-maj=146.7km s-min=48.4km az=114.0, Eastern New Guinea region

149A Jones	20.83	359	P	P	15 22 13.4 +1.9
150A Eclectic	20.83	1	P	P	15 22 13.3 +1.8
148A Greenboro	20.90	357	P	P	15 22 13.5 +1.2
152A Waverly Hall	20.94	4	eP	P	15 22 14.0 +1.4
152A Waverly Hall	20.94	4	P	P	15 22 14.1 +1.4
147A Livingston	20.97	70	P	P	15 22 13.6 +0.4
147A Livingston	20.98	355	eP	P	15 22 14.7 +1.6
147A Livingston	20.98	355	P	P	15 22 14.9 +1.8
153A Fort Valley	20.99	6	P	P	15 22 14.7 +1.4
146A Grayson	21.00	346	P	P	15 22 14.2 +0.8
242A Union	21.02	353	P	P	15 22 14.7 +1.1
154A Montrose	21.03	7	eP	P	15 22 15.8 +2.1
154A Montrose	21.03	7	P	P	15 22 15.3 +1.6
154A Houston Renfro	21.10	351	P	P	15 22 15.5 +1.1
145A Kite	21.13	9	P	P	15 22 16.1 +1.4
LRAL Lakeview Retre	21.27	358	eP	P	15 22 17.6 +1.4
LRAL Lakeview Retre	21.27	358	P	P	15 22 17.2 +1.0
156A Hunter	21.33	11	P	P	15 22 19.3 +2.5
240A Columbia	21.41	342	P	P	15 22 18.6 +0.7
290A Columbian	21.41	359	P	P	15 22 19.2 +1.4
142A Monroe	21.42	347	P	P	15 22 18.7 +0.8
NATX Nacogdoches	21.44	340	eP	P	15 22 19.4 +1.3
NATX Nacogdoches	21.44	340	P	P	15 22 19.6 +1.5
143A Socs Landing	21.46	348	P	P	15 22 19.5 +1.2
Z52A Williamson	21.47	4	P	P	15 22 20.6 +2.2
Z50A Ashland	21.48	1	eP	P	15 22 19.6 +1.2
Z50A Ashland	21.48	1	P	P	15 22 19.7 +1.2
Z47A Carrollton	21.48	356	P	P	15 22 19.6 +1.1
Z46A Louisville	21.56	354	P	P	15 22 20.9 +1.6
Z51A Franklin	21.56	2	P	P	15 22 21.1 +1.8
STVI Saint Thomas	21.59	70	eP	P	15 22 20.5 +0.7
Z48A Northport	21.63	357	P	P	15 22 21.3 +1.2
Z53A Monticello	21.64	6	P	P	15 22 21.4 +1.2
Z54A Sparta	21.68	8	P	P	15 22 21.6 +1.0
141A Papa Simpson	21.71	345	P	P	15 22 20.8 -0.2
435B Jarrell	21.72	333	eP	P	15 22 22.1 +1.0
435B Jarrell	21.72	333	P	P	15 22 21.6 +0.4
Z55A Blythe	21.77	9	P	P	15 22 23.6 +2.1
GOGA Godfrey	21.78	6	eP	P	15 22 22.7 +1.1
GOGA Godfrey	21.78	6	P	P	15 22 22.9 +1.3
Z45A Winona	21.82	352	eP	P	15 22 23.0 +1.0
Z45A Winona	21.82	352	P	P	15 22 22.9 +0.8
Z44A Pea Ridge, Bel	21.84	351	P	P	15 22 23.2 +1.0
Z43A Armstrong Fami	21.91	349	P	P	15 22 23.4 +0.4
140A Cam and Jess	21.92	343	P	P	15 22 24.1 +0.9
NHSC New Hope	22.04	14	eP	P	15 22 25.9 +1.6
NHSC New Hope	22.04	14	P	P	15 22 25.4 +1.1
Y49A Blount Mountain	22.08	360	eP	P	15 22 26.0 +1.3
Y49A Blount Mountain	22.08	360	P	P	15 22 26.1 +1.4
Y50A Piedmont	22.11	1	P	P	15 22 26.6 +1.5
Z42A Norrel Spur, H	22.12	347	P	P	15 22 25.4 +0.3
Y51A Rockmart	22.14	3	P	P	15 22 26.9 +1.5
Y48A Jasper	22.15	358	P	P	15 22 26.7 +1.2
Y47A UCPARC, Winife	22.17	356	P	P	15 22 26.8 +1.2
Y52A Libburn	22.17	5	eP	P	15 22 27.2 +1.4
Y52A Libburn	22.17	5	P	P	15 22 27.1 +1.4
Y53A Monroe	22.21	6	P	P	15 22 27.0 +1.0
Y46A Houston	22.23	354	P	P	15 22 27.3 +1.0
Y45A Yeager Farm, C	22.29	353	P	P	15 22 28.1 +1.3
Z41A Richland Creek	22.30	345	eP	P	15 22 28.3 +1.3
Z41A Richland Creek	22.30	345	P	P	15 22 27.3 +0.4
Y54A Tignall	22.32	8	P	P	15 22 28.9 +1.8
Z40A Long Farm, Mag	22.46	344	P	P	15 22 28.5
Y44A Strider, Charl	22.47	351	P	P	15 22 28.9 +0.3
Y43A Makayla and Ka	22.54	350	P	P	15 22 29.1 -0.1
JCT Junction City	22.54	328	eP	P	15 22 30.3 +0.9
JCT Junction City	22.54	328	P	P	15 22 29.4
X48A Hartselle	22.68	358	eP	P	15 22 31.7 +1.1
X48A Hartselle	22.68	358	P	P	15 22 31.4 +0.8
X50B Fort Payne	22.68	1	P	P	15 22 31.9 +1.2
CCAR Cane Creek	22.70	348	eP	P	15 22 31.6 +0.8
WHXT Lake Whitney	22.70	335	P	P	15 22 31.4 +0.5
X49A Woodville	22.73	360	P	P	15 22 31.7 +0.7
X47A Russellville	22.78	357	P	P	15 22 31.9 +0.3
X51A Calhoun	22.82	3	eP	P	15 22 32.9 +1.1
X51A Calhoun	22.82	3	P	P	15 22 32.4 +0.5
X45A UM Field Stati	22.82	353	P	P	15 22 31.9 -0.1
Y41A Eaglette Beard	22.85	346	P	P	15 22 32.1 -0.1
X46A Booneville	22.87	355	P	P	15 22 32.8 +0.4
X53A Estanollee	22.88	6	P	P	15 22 33.4 +1.0
OXF Oxford	22.91	353	eP	P	15 22 33.3 +0.5
OXF Oxford	22.91	353	P	P	15 22 32.8
X52A Dahlonega	22.92	5	P	P	15 22 33.9 +1.0
JSC Jenkinste	22.95	11	eP	P	15 22 34.4 +1.3

X44A Crenshaw	22.99	352	P	P	15 22 33.3 -0.2
Y40A Okolona	23.14	345	P	P	15 22 35.4 +0.5
PLAL Pickwick Lake	23.26	356	eP	P	15 22 37.3 +1.4
X42A Stuttgart	23.29	349	P	P	15 22 36.7 +0.4
W49A Belvidere	23.33	360	P	P	15 22 37.7 +1.0
W48A Pulaski	23.36	359	P	P	15 22 37.9 +1.0
BG3 Lake Jocassee	23.40	7	eP	P	15 22 39.0 +1.7
W52A Murphy	23.40	5	eP	P	15 22 38.6 +1.3
W52A Murphy	23.40	5	P	P	15 22 39.0 +1.7
W51A Cleveland	23.41	3	P	P	15 22 39.2 +1.8
X41A Kaden, Bauxite	23.42	347	P	P	15 22 37.8 +0.4
W46A Signal Mountai	23.43	356	P	P	15 22 38.0 +0.5
W50A Signal Mountai	23.43	2	eP	P	15 22 38.4 +0.8
W50A Signal Mountai	23.43	2	P	P	15 22 38.7 +1.1
SWET Sewanee	23.43	1	eP	P	15 22 38.5 +0.9
X40A Basin Creek Fa	23.49	346	eP	P	15 22 38.2 +0.2
X40A Basin Creek Fa	23.49	346	P	P	15 22 38.0 -0.1
W47A Westpoint	23.50	357	P	P	15 22 38.8 +0.6
W53A Cullowhee	23.55	6	P	P	15 22 39.7 +0.9
UALR University of	23.65	347	eP	P	15 22 38.8 -0.7
CPCT Cook's Cave C	23.71	3	eP	P	15 22 41.4 +1.2
MIAR Mount Ida	23.72	345	eP	P	15 22 40.0 -0.2
MIAR Mount Ida	23.72	345	P	P	15 22 40.4 +0.2
HPIG	23.75	312	eP	P	15 22 42.6 +1.9
KMSC Kings Mountain	23.78	10	eP	P	15 22 41.9 +1.2
KMSC Kings Mountain	23.78	10	P	P	15 22 42.5 +1.8
X39A Fountain Ranch	23.83	344	P	P	15 22 41.3 +0.1
V50A Pikeville	23.91	2	P	P	15 22 43.4 +1.5
TXAR Lajitas Array	23.92	320	P	P	15 22 43.1 +0.9
TXAR	23.92	320	P	P	15 23 11.8 +1.4
TXAR	23.92	320	P	P	15 26 22.7 +1.6
TXAR	23.92	320	P	P	15 29 49.0 +2.4
TXAR	23.92	320	P	P	15 23 02.6
TX31 Lajitas Ar. Si	23.92	320	P	P	15 22 42.9 +0.7
V48A Smith Brothers	23.96	359	eP	P	15 22 43.1 +0.7
V48A Smith Brothers	23.96	359	P	P	15 22 43.2 +0.9
TKL Tuckaleechee C	23.98	5	P	P	15 22 42.7 +0.2
V49A McMinnville	23.98	1	P	P	15 22 43.6 +1.0
W41B Gary Mavity V	24.02	348	eP	P	15 22 43.0 +0.1
W41B Gary Mavity, V	24.02	348	P	P	15 22 43.2 +0.4
V47A Nunnally	24.07	357	P	P	15 22 44.2 +0.9
V46A Holladay	24.07	356	P	P	15 22 43.4
V51A Loudon	24.08	4	eP	P	15 22 44.8 +1.4
V51A Loudon	24.08	4	P	P	15 22 44.9 +1.5
V45A Humboldt	24.08	355	P	P	15 22 43.8 +0.4
V53A Saluda	24.08	7	eP	P	15 22 44.8 +1.2
V53A Saluda	24.08	7	P	P	15 22 45.1 +1.6
WHAR Woolly Hollow	24.14	348	eP	P	15 22 43.8 -0.1
V52A Sevierville	24.17	5	eP	P	15 22 45.2 +1.0
V52A Sevierville	24.17	5	P	P	15 22 45.7 +1.4
ABTX Abilene, Hawle	24.21	332	eP	P	15 22 45.9 +1.2
ABTX Abilene, Hawle	24.21	332	P	P	15 22 46.5 +1.7
W40A Ferguson Farm,	24.21	346	eP	P	15 22 45.2 +0.6
W40A Ferguson Farm,	24.21	346	P	P	15 22 45.4 +0.8
WVT Waverly	24.39	357	P	P	15 22 46.5 +0.3
W39A Magazine	24.39	345	eP	P	15 22 46.8 +0.6
W39A Magazine	24.39	345	P	P	15 22 47.0 +0.7
V42A Cord	24.47	350	P	P	15 22 46.8 -0.1
V41A Mountainview	24.59	348	P	P	15 22 48.0 -0.1
U46A Springville	24.63	356	P	P	15 22 48.9 +0.5
U50A Jamestown	24.66	3	P	P	15 22 50.1 +1.4
U45A Rockin P Farm,	24.67	355	P	P	15 22 49.2 +0.5
U47A Clarksville	24.67	358	P	P	15 22 49.0 +0.2
U51A La Follette	24.67	4	P	P	15 22 50.1 +1.3
U44B Burton Farm, H	24.71	354	P	P	15 22 49.1
U49A Cassie Pea, Po	24.72	359	P	P	15 22 50.0 +0.8
U49A Red Boiling Sp	24.73	1	P	P	15 22 50.2 +0.9
U52A Thorn Hill	24.74	6	P	P	15 22 50.8 +1.3
V40A Witts Springs	24.75	347	eP	P	15 22 49.0 -0.5
V40A Witts Springs	24.75	347	P	P	15 22 49.5
U53A Fall Branch	24.80	7	P	P	15 22 51.6 +1.6
TZTN Tazewell	24.87	5	eP	P	15 22 50.4 -0.3
TZTN Tazewell	24.87	5	P	P	15 22 51.9 +1.3
V39A Pettigrew	24.97	346	P	P	15 22 51.6
U42A Revenden	24.98	350	P	P	15 22 51.5 -0.1
U41A Viola	25.09	349	P	P	15 22 52.3 -0.2
T47A Sharon Grove	25.21	358	eP	P	15 22 54.0 +0.3
T47A Sharon Grove	25.21	358	P	P	15 22 54.2 +0.5
T51A Gray	25.26	4	P	P	15 22 55.3 +1.1
T50A Nancy	25.26	3	P	P	15 22 55.1 +1.0
U40A Yelville	25.28	347	P	P	15 22 54.4
T46A Princeton	25.30	357	P	P	15 22 54.8 +0.3
T48A Bowling Green	25.32	360	P	P	15 22 54.9 +0.3
T45A Paducah	25.32	355	P	P	15 22 55.0 +0.3

T49A Edmonton	25.32	1	P	P	15 22 56.1 +1.4
U39A Green Forest	25.45	346	P	P	15 22 55.8 -0.1
HHAR Hobbs	25.46	345	eP	P	15 22 55.6 -0.4
T44A Benton	25.48	354	P	P	15 22 56.2 +0.2
T52A Hallie	25.49	6	P	P	15 22 57.5 +1.3
T43A Greenville	25.55	352			

Q38A	Cooks Store, C	27.95	348	P	P	15	23	18.0	-0.2
P43A	Skaggs, Pawnee	28.00	355	P	P	15	23	18.5	-0.7
P42A	Winchester	28.03	353	P	P	15	23	18.6	-0.3
Q37A	Longview Farm,	28.05	346	P	P	15	23	18.6	-0.6
P41A	Barry, Barry	28.21	352	P	P	15	23	19.8	-0.7
P40A	Paris	28.21	350	P	P	15	23	20.1	-0.4
P39B	Salisbury	28.29	349	P	P	15	23	20.7	-0.6
O44A	Mansfield	28.43	356	P	P	15	23	22.4	0.0
MCWV	Mont Chateau	28.44	10	P	P	15	23	23.8	+1.3
O47A	Sheridan	28.44	0	P	P	15	23	22.3	-0.2
O49A	Covington	28.44	3	P	P	15	23	23.0	+0.5
O50A	Cable	28.45	4	P	P	15	23	23.1	+0.5
O48A	Farmland	28.48	2	P	P	15	23	22.9	0.0
O45A	Potomac	28.48	358	P	P	15	23	23.1	+0.2
P38A	Dawn	28.57	348	eP	P	15	23	22.5	-1.3
P38A	Dawn	28.57	348	eP	P	15	23	22.2	-0.5
ACSO	Alum Creek Sta	28.58	5	eP	P	15	23	24.6	+0.7
SFIN	Lafayette	28.59	359	eP	P	15	23	23.2	-0.7
SFIN	Lafayette	28.59	359	eP	P	15	23	23.9	0.0
O42A	Bath	28.60	354	P	P	15	23	23.5	-0.5
O41A	Passleys Farm,	28.62	353	P	P	15	23	23.7	-0.5
O43A	Sugar Creek Fa	28.62	355	P	P	15	23	23.9	-0.2
P37A	Lathrop	28.71	347	P	P	15	23	24.1	-0.8
O40A	La Belle	28.76	351	P	P	15	23	24.7	-0.7
SDMD	Soldier's Dell	28.85	15	eP	P	15	23	27.3	+1.1
PTGA	Pitinga	28.86	114	P	P	15	23	26.3	-0.3
PTGA	Pitinga	28.86	114	eP	P	15	23	26.8	+0.1
HDIL	Hopedale	28.89	355	eP	P	15	23	26.3	-0.2
HDIL	Hopedale	28.89	355	eP	P	15	23	26.5	0.0
319A	Douglas	28.89	316	eP	P	15	23	28.8	+1.6
O39A	Kirksville	29.00	350	P	P	15	23	26.6	-0.9
O38A	Galt	29.04	349	P	P	15	23	27.1	-0.8
N44A	Piper City	29.05	357	P	P	15	23	27.7	-0.2
N45A	Kentland	29.07	358	P	P	15	23	28.1	-0.1
BNM	Barren Site	29.09	324	eP	P	15	23	28.3	+0.4
N46A	Monticello	29.10	359	P	P	15	23	28.4	0.0
N50A	Nevada	29.10	5	P	P	15	23	28.6	+0.2
N41A	Harden Midland	29.10	353	eP	P	15	23	28.4	+0.9
N41A	Harden Midland	29.10	353	eP	P	15	23	28.5	-0.7
O37A	Wolfen Farm, M	29.22	348	P	P	15	23	28.7	-0.8
N42A	Yates	29.23	354	P	P	15	23	29.4	-0.1
N43A	Stutzman Famil	29.26	355	P	P	15	23	30.0	+0.2
O56A	Blue Knob Stat	29.27	12	eP	P	15	23	31.1	+1.1
O56A	Blue Knob Stat	29.27	12	eP	P	15	23	30.7	+0.8
LENM	Lemitar	29.30	323	eP	P	15	23	32.9	+2.4
N40A	Mertquake, Sal	29.47	352	P	P	15	23	31.0	-0.6
MVL	Millersville	29.53	16	eP	P	15	23	32.9	+0.7
TASL	Snake Pit, Alb	29.56	325	P	P	15	23	32.5	-0.3
ANMO	Albuquerque	29.56	325	P	P	15	23	33.8	+1.0
ANMO	Albuquerque	29.56	325	P	P	15	23	33.7	+0.9
ANMO	Albuquerque	29.56	325	P	P	15	23	32.1	-0.8
TASM	ASL Pad, Albuq	29.56	325	P	P	15	23	31.9	-0.9
CBKS	Cedar Bluff	29.58	338	P	P	15	23	32.3	-0.4
N39A	Derby Farms, D	29.60	350	eP	P	15	23	32.4	-0.4
N39A	Derby Farms, D	29.60	350	eP	P	15	23	32.4	-0.4
M45A	Bollermakers S	29.61	358	P	P	15	23	32.7	-0.2
M46A	Old House Fiel	29.61	360	eP	P	15	23	31.8	-1.1
M46A	Old House Fiel	29.61	360	eP	P	15	23	32.4	-0.6
M44A	Midewin, Midew	29.64	357	eP	P	15	23	31.7	-1.4
M44A	Midewin, Midew	29.64	357	eP	P	15	23	32.6	-0.6
N38A	Joos South For	29.65	349	P	P	15	23	32.7	-0.6
N54A	Moraine State	29.68	10	eP	P	15	23	33.3	-0.3
N54A	Moraine State	29.68	10	eP	P	15	23	34.7	+1.1
M48A	Edgerton	29.72	2	P	P	15	23	34.0	+0.2
M43A	Waltham Townsh	29.74	356	P	P	15	23	33.7	-0.3
M50A	Fremont	29.74	5	P	P	15	23	34.4	+0.4
M49A	Liberty Center	29.75	3	P	P	15	23	34.4	+0.3
SSPA	Standing Stone	29.77	13	eP	P	15	23	35.5	+1.2
SSPA	Standing Stone	29.77	13	eP	P	15	23	36.0	+1.7
N37A	Lee Faris, Mou	29.80	348	eP	P	15	23	34.1	-0.5
N37A	Lee Faris, Mou	29.80	348	eP	P	15	23	34.1	-0.5
M41A	Milan	29.82	353	P	P	15	23	34.3	-0.4
M42A	Sheffield	29.82	355	P	P	15	23	34.6	-0.1
M40A	Post Highland	29.97	352	P	P	15	23	35.6	-0.5
M39A	Webster	30.14	351	P	P	15	23	37.3	-0.3
L48A	N Adams	30.19	3	P	P	15	23	38.1	+0.1
L47A	Sherwood	30.19	2	P	P	15	23	38.0	0.0
M38A	Pleasantville	30.25	350	P	P	15	23	38.1	-0.4
M54A	Oil Creek Stat	30.27	10	eP	P	15	23	39.2	+0.5
M54A	Oil Creek Stat	30.27	10	eP	P	15	23	39.7	+1.0
ALLY	Alegheny Colie	30.33	9	eP	P	15	23	39.8	+0.5
L42A	Oliver, Polo	30.36	355	eP	P	15	23	38.9	-0.6
L42A	Oliver, Polo	30.36	355	eP	P	15	23	39.4	-0.1
L49A	Milan	30.39	4	P	P	15	23	40.0	+0.2

M37A	Trindle Farm,	30.39	348	P	P	15	23	39.3	-0.5
L44A	Lake County Fo	30.42	358	P	P	15	23	39.5	-0.5
L43A	Garden Prairie	30.47	356	P	P	15	23	40.1	-0.3
L41A	Preston	30.51	354	P	P	15	23	40.4	-0.4
TUC	Tucson	30.51	316	P	P	15	23	41.0	-0.1
N59A	State Game Lan	30.55	16	eP	P	15	23	42.7	+1.5
N59A	State Game Lan	30.55	16	eP	P	15	23	43.2	+2.0
L40A	Anamosa	30.58	353	eP	P	15	23	41.1	-0.4
L40A	Anamosa	30.58	353	eP	P	15	23	41.2	-0.2
AAM	Ann Arbor	30.59	4	P	P	15	23	41.9	+0.4
SCIA	State Center	30.72	350	P	P	15	23	42.3	-0.4
L39A	Vinton	30.74	352	P	P	15	23	42.4	-0.5
SAML	Samuel	30.75	131	eP	P	15	23	42.1	-1.2
ERPA	Erie	30.81	9	eP	P	15	23	43.7	+0.2
ERPA	Erie	30.81	9	eP	P	15	23	44.4	+0.9
K38C	Keye Shedlock	30.88	335	P	P	15	23	44.5	+0.2
L38A	Oak Wood Farm,	30.91	350	P	P	15	23	43.7	-0.6
K43A	Burlington	30.96	357	eP	P	15	23	43.6	-1.2
K43A	Burlington	30.96	357	eP	P	15	23	44.1	-0.7
K41A	Shullsburg	31.01	354	P	P	15	23	45.0	-0.3
ODNJ	Ogdensburg	31.02	17	eP	P	15	23	46.3	+0.9
L37A	Phoenix Point,	31.03	349	P	P	15	23	45.1	-0.4
K42A	Prairie Point,	31.10	356	P	P	15	23	45.7	-0.3
KSPA	Keystone Cole	31.14	15	eP	P	15	23	47.6	+1.2
SDC	Soldiers Grove	31.16	18	P	P	15	23	47.9	+1.4
PALC	Great Sand Dun	31.17	330	eP	P	15	23	48.0	+1.0
SDCO	Great Sand Dun	31.17	330	eP	P	15	23	47.8	+0.7
L36A	Harm Buss Farm	31.19	348	P	P	15	23	46.1	-0.7
K40A	Colesburg	31.20	353	P	P	15	23	46.4	-0.5
K39A	Delwein	31.20	352	P	P	15	23	47.1	-0.6
JFWS	Jewell Farm	31.31	354	eP	P	15	23	47.5	-0.4
JFWS	Jewell Farm	31.31	354	eP	P	15	23	47.8	-0.1
K38A	Parkersburg	31.37	351	P	P	15	23	47.9	-0.5
BGNE	Belgrade	31.40	343	P	P	15	23	48.2	-0.5
W18A	Petrified Fore	31.61	321	P	P	15	23	52.5	+1.6
J42A	Colmbus	31.62	356	P	P	15	23	50.4	-0.2
K37A	Belmond	31.63	350	P	P	15	23	50.2	-0.5
J43A	Natural Harves	31.64	357	P	P	15	23	50.0	-0.7
K36A	Gilmore City	31.66	348	P	P	15	23	50.7	-0.3
ELFO	Elginfield	31.69	7	P	P	15	23	51.3	+0.1
BINY	Binghamton	31.69	15	eP	P	15	23	52.0	+0.8
BINY	Binghamton	31.69	15	eP	P	15	23	52.8	+1.5
214A	Ore Pipe Nat	31.72	314	P	P	15	23	52.2	+0.5
J41A	Loganville	31.74	355	P	P	15	23	51.4	-0.2
MMNY	Mill Morris Dam	31.77	12	eP	P	15	23	52.4	+0.5
TYNO	Tyneside	31.78	9	P	P	15	23	52.6	+0.6
J40A	Soldiers Grove	31.84	354	P	P	15	23	52.0	-0.5
S22A	4UR Ranch, Cr	31.84	328	eP	P	15	23	54.1	+1.2
S22A	4UR Ranch, Cr	31.84	328	eP	P	15	23	51.3	-1.6
J39A	Decorah	31.89	352	P	P	15	23	52.0	-0.9
J38A	Wedel Dairy, R	31.98	351	P	P	15	23	53.2	-0.6
I43A	Lanfield Bro	32.13	357	P	P	15	23	54.7	-0.3
J37A	Redenius Farm,	32.15	350	P	P	15	23	54.7	-0.5
I42A	Draeger Farm,	32.18	356	eP	P	15	23	55.1	-0.3
I42A	Draeger Farm,	32.18	356	eP	P	15	23	55.1	-0.3
X16A	Lo Mia Camp, P	32.23	319	eP	P	15	23	57.6	+1.4
ACTO	Action	32.26	8	P	P	15	23	57.0	+0.8
J36A	Seneca 1, Swea	32.31	349	eP	P	15	23	56.1	-0.4
J36A	Seneca 1, Swea	32.31	349	eP	P	15	23	56.0	-0.6
I40A	Norwalk	32.32	354	P	P	15	23	56.3	-0.4
I39A	Houston	32.38	353	eP	P	15	23	56.5	-0.8
I39A	Houston	32.38	353	eP	P	15	23	56.6	-0.6
I41A	Arkdale	32.41	355	eP	P	15	23	57.0	-0.5
I41A	Arkdale	32.41	355	eP	P	15	23	57.0	-0.5
BWLO	Walkerton	32.62	7	P	P	15	24	00.0	+0.7
I38A	Scanlan Farm,	32.67	352	P	P	15	23	59.0	-0.7
H43A	Windswept, Lux	32.70	358	eP	P	15	23	59.3	-0.7
H43A	Windswept, Lux	32.70	358	eP	P	15	23	59.5	-0.5
DRWO	Darlington Wes	32.73	10	P	P	15	24	01.2	+1.0
H42A	Shiocton								

PDAR	Pinedale Array	37.01 331	eP	P	15 24 36.8 -0.5
PDAR			ScP	ScP	15 20 27.9 -1.4
VLD0	Val d'Or	37.05 10	eP	P	15 24 37.0 -0.3
HWUT	Hardware Ranch	37.15 328	eP	P	15 24 38.7 +0.3
MPMC	Manual Prospect	37.21 316	P	P	15 24 40.2 +1.1
R11A	Troy Canyon, C	37.28 320	P	P	15 24 40.3 +0.6
DAC	Darwin (Calif)	37.40 316	eP	P	15 24 41.9 +1.2
ISA	Isabella, Lake	37.68 315	ePcP	PcP	15 26 57.9 +1.3
ISA			eP	P	15 24 44.4 +1.5
ISA			ePcP	PcP	15 26 59.1 +1.7
A33A	Warroad	37.91 350	P	P	15 24 43.8 -0.8
Red Top Meadow		38.08 330	eP	P	15 24 46.6 +0.3
PQI	Presque Isle	38.13 20	eP	P	15 24 47.1 +0.7
TPAW	Teton Pass	38.23 331	eP	P	15 24 47.0 -0.6
MOOW	Moose Ponds	38.32 331	eP	P	15 24 48.4 +0.1
FXWY	Fox Creek	38.37 331	eP	P	15 24 49.4 +0.6
IMW	Indian Meadow	38.53 331	eP	P	15 24 50.0 +0.3
MLNR	Miner Canyon	38.62 317	eP	P	15 24 51.8 +0.9
LMN	Caledonia Mtn	38.63 24	eP	P	15 24 51.1 +0.4
LAO	LASA Array	38.77 338	P	P	15 24 51.3 -0.5
NV11	Mina Array Sit	38.97 319	eP	P	15 24 55.4 +1.7
NV01	Mina Array Sit	39.06 319	eP	P	15 24 55.9 +1.3
NV01			ePcP	PcP	15 27 03.1 +1.3
NVAR	Mina Array Bea	39.06 319	eP	P	15 24 56.7 +2.1
NVAR			eP	P	15 27 03.1 +1.3
ULM	Lac du Bonnet	39.27 350	P	P	15 24 54.1 -1.7
ULM			LR	LR	15 43 05.1
ULM	Lac du Bonnet	39.27 350	eP	P	15 24 53.9 -1.8
KVN	Kaiserwell	39.28 320	eP	P	15 24 57.6 +1.2
RYN	Ryan	39.31 319	eP	P	15 24 57.9 +1.3
BATG	Bathurst Neb	39.34 22	eP	P	15 24 55.9 -0.6
BMN	Battle Mountain	39.56 322	eP	P	15 24 59.7 +1.1
DGMT	Dagmar	39.62 341	eP	P	15 24 58.7 -0.1
DGMT	Dagmar	39.62 341	eP	P	15 24 58.9 +0.1
WAKR	Walker	39.84 318	eP	P	15 25 02.0 +1.0
YERR	Yerington	39.98 319	eP	P	15 25 03.3 +1.1
HLID	Hailey	40.02 328	eP	P	15 25 02.4 0.0
HLID	Hailey	40.02 328	eP	P	15 25 02.4 0.0
BOZ	Bozeman (W)	40.13 332	eP	P	15 25 03.5 +0.3
BOZ	Bozeman (W)	40.13 332	eP	P	15 25 03.5 +0.3
MLMT	McKenzie Canyo	40.13 331	eP	P	15 25 04.3 +0.9
DCMT	Dillon	40.14 331	eP	P	15 25 05.8 +0.2
LRM	Limekiln Ridge	40.68 332	eP	P	15 25 08.1 +0.2
BEKR	Beckworth	41.19 319	eP	P	15 25 12.8 +0.8
EGMT	Eagleton	41.23 336	P	P	15 25 12.1 -0.1
WVOR	Wild Horse Val	41.62 323	eP	P	15 25 15.8 +0.3
ORV	Oroville	41.76 318	eP	P	15 25 17.9 +1.4
MSO	Missoula	42.12 332	P	P	15 25 19.5 +0.1
03D0	Payne Creek	42.35 319	P	P	15 25 21.6 +0.2
BM0	Blue Mountains	42.42 327	eP	P	15 25 21.3 -0.6
M04C	Macdoel	43.18 320	P	P	15 25 28.6 +0.5
J05D	Fort Rock, OR	43.66 323	P	P	15 25 31.7 -0.3
YBH	Yreka Blue Hor	43.70 320	LR	LR	15 47 27.8
L04D	Klamath Falls	43.71 321	P	P	15 25 32.5 +0.1
PINE	Pine Mountain	43.79 323	eP	P	15 25 32.8 -0.2
J04D	Umpqua Nationa	44.16 322	P	P	15 25 36.8 +0.8
104A	Tendick Farm,	44.66 323	P	P	15 25 40.0 +0.3
FFC	Flin Flon	44.70 347	P	P	15 25 39.2 -0.6
K02D	Williamette Mer	44.81 321	P	P	15 25 41.0 0.0
G05D	Warmie, OR	44.87 325	P	P	15 25 42.2 +0.9
KBO	Bosley Butte	44.91 320	eP	P	15 25 42.9 +1.1
J01D	Drain, OR	45.16 322	P	P	15 25 44.2 +0.5
I03D	Myrtle Point	45.23 321	P	P	15 25 44.9 +0.7
H04D	Lebanon	45.27 323	P	P	15 25 43.8 -0.6
F05D	White Salmon	45.34 326	P	P	15 25 45.6 +0.5
SCHO	Schefferville	45.58 16	P	P	15 25 47.0 -0.6
SCHO	Schefferville	45.58 16	eP	P	15 25 46.8 -0.8
I02D	Swissnose	45.59 322	P	P	15 25 48.3 +0.5
BDFB	Brasilia	46.57 125	P	P	15 25 53.9 -1.2
BDFB			LR	LR	15 48 03.1
PNT	Penticton	46.58 330	eP	P	15 25 56.8 +2.1
D03D	Eldon	47.23 326	P	P	15 25 52.9 -0.5
FRB	Fröbisher Bay	53.47 10	LR	LR	15 51 34.1
PLCA	Paso Flores	54.13 165	P	P	15 26 53.0 +1.4
PLCA			pp	pp	15 27 24.8 +0.4
PLCA			pp	pp	15 27 55.4 +0.9
PLCA			pp	pp	15 27 24.8 +0.4
PLCA			pp	pp	15 27 55.4 +0.9
YKA	Yellowknife Ar	54.66 344	P	P	15 26 54.1 -0.9
YKA			pp	pp	15 27 27.8 -0.1
YKA			pp	pp	15 27 55.6 -0.5
DLBC	Dease Lake	57.11 334	eP	P	15 27 12.7 0.0
SFJD	Kangerlussuaq	60.14 15	LR	LR	15 53 34.3
INK	Inuvik	64.29 342	LR	LR	15 57 47.6
SUMG	Summit	67.04 14	eP	P	15 28 17.5 -1.6
ILAR	Eielson Array	67.20 336	eP	P	15 28 18.5 -1.2
ILAR	Eielson Array	67.20 336	eP	P	15 28 19.1 -0.7
ILAR			pp	pp	15 28 53.8 0.0
ILAR			pp	pp	15 30 41.1 -8.3
ILB	Eielson Array	67.20 336	eP	P	15 28 18.2 -1.5

RND	Reindeer	67.52 334	eP	P	15 28 20.6 -1.3
BPAW	Bear Paw Mtn	68.64 335	eP	P	15 28 27.9 -0.9
EKA	Eskdalemuir Ar	76.55 36	P	P	15 29 13.0 -2.7
ESDC	Sonsec Array	76.73 52	P	P	15 29 15.8 -1.3
ESDC			pp	pp	15 29 51.4 -0.6
ES19	SONSECA Array	76.78 52	eP	P	15 29 51.4 -1.9
MDT	Midelt	76.78 59	LR	LR	15 29 51.4 -0.8
KOWA	Kowa	79.72 77	P	P	15 29 37.8 +3.9
BCLA	Clavier	82.08 40	pp	P	15 29 44.6 -1.2
NOA	NORSAR Array B	83.46 29	P	P	15 29 51.4 -1.3
NOA			LR	LR	16 07 52.7
TORD	Torodi Ar, Bea	85.42 78	P	P	15 30 00.6 -2.9
ARCES	Arcees Array B	86.52 19	P	P	15 30 06.7 -1.1
CLL	Colim	86.68 38	pp	P	15 30 44.9 +0.3
AKASO	Main Array Bea	96.46 35	pp	P	15 34 47.1 -2.5
SONM	Sonngio Array	119.69 350	PKP	PKPdf	15 36 13.1 -1.6
MKAR	Makanchi Array	120.89 9	PKP	PKPdf	15 36 15.5 -1.4
KSRS	Korea Array	121.55 328	PKP	PKPdf	15 36 18.4 +0.1
KSAR	Wonju Array Bea	121.58 328	PKP	PKPdf	15 36 18.4 0.0
WMQ	Urumqi	124.49 5	PKP	PKPdf	15 36 23.9 -0.1
WMQ			LR	LR	15 36 23.9 -0.1
WMQ			LR	LR	15 36 23.9 -0.1
HHC	Hu-ho-hao-te	125.20 344	ePKP	PKPdf	15 36 23.3 -3.2
ULM	Kashi	126.44 17	PKP	PKPdf	15 36 24.9 -3.0
KSH			pp	pp	15 38 26.1 +2.4
KSH			AMB	AMB	
NJ2	Nanjing	130.32 332	ePKP	PKPdf	15 36 35.5 +0.2
CD2	Chengdu	136.58 347	PKP	PKPdf	15 36 45.0 -2.2
AS01	Alice Springs	140.03 247	ePKPpre	PKPpre	15 36 46.8
AS01			ePKPpdf	PKPpdf	15 36 54.9 +1.2
ASAR	Alice Springs	140.07 247	ePKP	PKPpre	15 36 46.9
ASAR			PKP	PKPdf	15 36 54.9 +1.2
ASAR			SKPbc	SKPbc	15 40 17.5 +0.6
WB2	Warramunga Arr	140.18 253	ePKPpre	PKPpre	15 36 49.0
WB2			ePKPpdf	PKPpdf	15 36 55.1 +1.1
WRA	Warramunga Arr	140.19 253	ePKP	PKPpre	15 36 55.2 -1.3
WRA			PKP	PKPdf	15 36 55.4 +1.4
WRA			SKPbc	SKPbc	15 40 18.0 +0.8
MTRN	Manton Dam	143.48 264	ePKP	PKPbc	15 36 59.1 +1.5
FITZ	Fitzroy Crossi	148.57 254	PKPbc	PKPbc	15 37 13.5 +1.2
FITZ	Fitzroy Crossi	148.57 254	ePKPpdf	PKPpdf	15 37 10.2 +1.7
CMAR	Chiang Mai Arr	149.62 350	ePKP	PKPpdf	15 37 09.9 -0.3
CMAR			PKPbc	PKPbc	15 37 14.9 0.0
CM01	Chiang Mai Arr	149.65 350	ePKP	PKPpdf	15 37 10.1 -0.2
CM01			ePKPbc	PKPbc	15 37 14.3 -0.7
NWA0	Narrogin (SRO)	149.82 222	PKPbc	PKPbc	15 37 15.8 +0.7
SOE1	Soe	149.97 271	ePKPbc	PKPbc	15 37 15.6 -0.4
PKBT	Sadao Pong	151.04 346	ePKPbc	PKPbc	15 37 18.0 -0.2
PKBT			ePKPab	PKPab	15 37 25.6 -0.5

MINX	Cornudas Mout	56.18 10	eP	P	15 43 49.6 +0.4
Y14A	Wickenburg	57.65 20	eP	P	15 44 00.6 +1.0
PTGA	Pitinga	58.30 75	P	P	15 44 04.2 -0.4
PTGA			LR	LR	16 05 25.7
PTGA			LR	LR	16 05 25.7
PTGA			LR	LR	16 05 25.7
LENM	Lenmitar	58.37 8	eP	P	15 44 05.7 +0.9
LDFC	Landrair	58.74 0	eP	P	15 44 08.7 +1.4
W13A	Hualapai Mount	58.78 1	eP	P	15 44 08.2 +0.4
GSC	Goldstone, Bar	58.98 359	eP	P	15 44 09.8 +0.8
ANMO	Albuquerque	59.21 8	LR	LR	16 04 52.9
ANMO			LR	LR	16 04 52.9
ANMO			LR	LR	16 04 52.9
ISA	Isabella, Lake	59.40 357	eP	P	15 44 14.1 +2.3
DAC	Darwin (Calif)	59.98 358	eP	P	15 44 16.9 +0.9
U15A	North Rim	60.16 3	eP	P	15 44 18.4 +1.1
SHPR	Sheep Range	60.17 0	eP	P	15 44 18.3 +1.1
TPNV	Topopah Spring	60.62 359	eP	P	15 44 21.0 +0.7
PKCU	Pink Cliffs	61.17 3	eP	P	15 44 25.2 +1.0
CCUT	Cedar City	61.24 2	eP	P	15 44 25.8 +1.2
ZWCU	Shurtz Canyon	61.29 2	eP	P	15 44 25.6 +0.7
CMB	Columbia Cole	61.88 355	eP	P	15 44 29.8 +1.1
S22A	Four Rivers, Cre	61.92 8	eP	P	15 44 30.2 +0.9
R11A	Troy Canyon, C	62.01 360	eP	P	15 44 31.1 +1.4
SDCO	Great Sand Dun	62.09 9	eP	P	15 44 30.8 +0.4
NV11	Mina Array Sit	62.15 357	eP	P	15 44 31.5 +0.9
NV01	Mina Array Sit	62.15 357	eP	P	15 44 31.4 +0.7
NVAR	Mina Array Bea	62.15 357	eP	P	15 44 31.5 +0.8
NVAR			LR	LR	16 05 31.0
PSUT	Pine Spring	62.20 1	eP	P	15 44 31.9 +0.8
PV14	Lion Creek, Pa	62.31 6	eP	P	15 44 31.8 0.0
RYN	Ryan	62.36 357	eP	P	15 44 32.6 +0.6
PV21	Conte Mtn., Par	62.50 6	eP	P	15 44 34.0 +0.9
YERR	Yerington	62.75 357	eP	P	15 44 35.7 +1.0
KVN	Kvinsville	62.76 358	eP	P	15 44 35.4 +0.6
AFDM	Forest Hills D	62.83 355	eP	P	15 44 36.6 +1.6
PNTR	Pine Bluffs	62.88 356	eP	P	15 44 36.5 +0.9
SRU	San Rafael Swe	62.92 4	eP	P	15 44 35.2 -0.7
OSUM	Sumter Buttes	63.23 354	eP	P	15 44 38.2 +0.6
BDFB	BDFB	63.34 96	P	P	15 44 40.3 +1.3
BDFB			LR	LR	16 09 50.5
NLU	North Lily Mtn	63.68 3	eP	P	15 44 41.0 +0.1
DUG	Dugway, Tooele	63.89 2	eP	P	15 44 42.8 +0.6
WDC	Whiskeytown Da	64.59 354	eP	P	15 44 48.5 +2.0
TCUT	Toone Canyon	64.87 3	eP	P	15 44 49.3 +0.6
VNDA	Vanda	65.21 194	LR	LR	16 06 39.7
HWUT	Hardware Ranch	65.35 3	eP	P	15 44 50.9 -0.8
MOD	Modoc Plateau	65.72 356	eP	P	15 44 54.5 +0.5
YBH	Yreka Blue Hor	65.75 354	LR	LR	16 07 18.8
WVOR	Wild Horse Val	66.16 356	LR	LR	16 04 57.1 +0.3
QSPA	South Lake	66.17 180	P	P	15 44 56.3 -0.4
QSPA			LR	LR	16 09 32.3
K05A	Summer Lake	66.58 356	eP	P	15 45 00.2 +0.6
BW06	Boulder Array	66.63 5	eP	P	15 45 00.1 +0.2
PD31	Pinedale Array	66.63 5	eP	P	15 44 58.7 -1.3
PDAR	Pinedale Array	66.63 5	eP	P	15 44 59.0 -1.0
PDAR			LR	LR	16 09 52.3
PDAR			LR	LR	16 09 52.3
PDAR			LR	LR	16 09 52.3
PDAR			LR	LR	16 09 52.3
PDAR					

155A	Kite	baz=139	25.37 327	P	P	16 46 17.0 +1.2
353A	Camilla	baz=141	25.41 323	P	P	16 46 17.7 +1.4
452A	Marianna	baz=136	25.65 320	P	P	16 46 20.0 +1.6
154A	Montrose	baz=134	25.71 326	P	P	16 46 20.5 +1.5
NNA	Nana	baz=140	25.82 204	P	P	16 46 19.6 -0.6
NNA		11nm,0.5s, baz=15, slow=9.5, SNR=5.3				
Z54A	Spartan	comp=Z,81nm,20.7s, baz=1.0, slow=37	26.05 327	P	LR	16 46 22.9 +0.8
252A	Lumpkin	baz=141	26.18 323	P	P	16 46 24.7 +1.5
Z53A	Monticello	baz=136	26.47 326	P	P	16 46 26.7 +0.9
GOGA	Godfrey	baz=140	26.51 327	P	P	16 46 27.4 +1.2
251A	Midway	baz=140	26.65 322	P	P	16 46 28.6 +1.1
152A	Waverly Hall	35nm,0.6s	26.65 324	eP	P	16 46 29.0 +1.5
152A	Waverly Hall	baz=137, SNR=14	26.65 324	P	P	16 46 28.7 +1.2
Z52A	Williamson	baz=138	26.87 325	P	P	16 46 30.2 +0.8
250A	Grady	baz=133	27.09 321	P	P	16 46 32.6 +1.1
Y52A	Liburn	baz=137	27.18 327	P	P	16 46 33.3 +1.1
150A	Eclectic	baz=140	27.38 322	P	P	16 46 35.2 +1.2
BG3	Lake Jocassee	baz=135	27.47 330	eP	P	16 46 36.5 +1.7
W53A	Cullowhee	8.8nm,0.8s	27.73 330	P	P	16 46 38.4 +1.1
Y51A	Rockmart	baz=143	27.75 325	P	P	16 46 38.3 +0.9
Z50A	Ashland	baz=138	27.78 323	P	P	16 46 38.2 +0.6
V53A	Saluda	baz=136	27.96 331	P	P	16 46 40.3 +1.0
LPZ	La Paz	baz=144	28.00 183	P	P	16 46 40.5 +0.2
LPZ		4.6nm,0.6s, baz=5.3, slow=9.9, SNR=18				
LPZ		comp=Z,96nm,21.1s, baz=9.5, slow=38				
LPZ	La Paz	28.00 183	eP	LR	LR	16 46 39.9 -0.4
Z49A	Columbiana	12nm,1.1s	28.09 322	P	P	16 46 41.4 +1.0
248A	Dixon Mills	baz=135, SNR=7.2	28.10 319	P	P	16 46 41.7 +1.2
Y50A	Piedmont	baz=132	28.12 324	P	P	16 46 42.1 +1.4
BLA	Blacksburg	baz=137	28.20 336	P	P	16 46 42.6 +1.3
LRAL	Lakeview Retre	baz=159	28.27 322	eP	P	16 46 43.5 +1.5
LRAL	Lakeview Retre	7.1nm,0.6s	28.27 322	P	P	16 46 43.2 +1.3
TKL	Tuckaleechee C	baz=135	28.42 329	LR	LR	16 57 13.4
V52A	Sevierville	comp=Z,60nm,21.2s, baz=130, slow=34	28.48 330	P	P	16 46 44.4 +0.6
Y49A	Blount Mountai	baz=143	28.49 323	P	P	16 46 44.7 +0.8
X50B	Fort Payne	baz=136	28.50 325	P	P	16 46 45.1 +1.1
W51A	Cleveland	baz=138	28.54 327	P	P	16 46 45.5 +1.2
U52A	Thorn Hill	baz=140	28.81 331	P	P	16 46 48.0 +1.3
147A	Livingston	baz=144	28.82 319	P	P	16 46 48.3 +1.5
Z48A	Northport	baz=131	28.84 321	P	P	16 46 48.4 +1.4
W50A	Signal Mountai	baz=133	28.86 327	P	P	16 46 48.7 +1.4
X49A	Woodville	baz=139	28.91 325	P	P	16 46 48.8 +1.1
Y48A	Jasper	baz=137, SNR=6.2	28.91 325	P	P	16 46 48.8 +1.1
Y48A	Jasper	28.98 323	P	P	16 46 49.3 +1.1	
W50A	Pikeville	baz=134	29.11 328	P	P	16 46 50.4 +1.0
SWET	Sewanee	baz=140	29.21 326	eP	P	16 46 51.8 +1.5
X48A	Hartselle	13nm,0.7s	29.28 324	eP	P	16 46 52.2 +1.2
X48A	Hartselle	16nm,1.0s	29.28 324	P	P	16 46 52.2 +1.2
W49A	Belvidere	baz=135	29.32 325	P	P	16 46 52.3 +1.0
Y47A	UCPARC, Winfie	baz=138, SNR=5.3	29.38 322	P	P	16 46 52.9 +1.1
U50A	Jamestown	baz=133	29.55 329	P	P	16 46 54.7 +1.4
Z46A	Louisville	baz=141	29.58 320	P	P	16 46 54.7 +1.1
V49A	McMinnville	baz=131	29.60 327	P	P	16 46 55.4 +1.6
W48A	Pulaski	baz=139	29.71 325	P	P	16 46 56.3 +1.5
X47A	Russellville	baz=136, SNR=10	29.80 323	P	P	16 46 56.7 +1.1
S51A	Beattville	baz=134	29.92 332	P	P	16 46 57.5 +0.9
Y46A	Houston	baz=145	29.98 321	P	P	16 46 58.5 +1.4
T50A	Nancy	baz=132	30.02 330	P	P	16 46 59.0 +1.5
V48A	Smith Brothers	baz=142	30.08 326	eP	P	16 46 59.5 +1.4
V48A	Smith Brothers	16nm,0.7s	30.08 326	P	P	16 46 59.3 +1.3
U49A	Red Boiling Sp	baz=137, SNR=7.4	30.10 328	P	P	16 46 59.6 +1.4
MCWV	Mont Chateau	baz=140	30.13 339	P	P	16 46 59.9 +1.4
W47A	Westpoint	baz=153	30.17 324	P	P	16 47 00.1 +1.3
Z45A	Winona	baz=136	30.17 319	P	P	16 47 00.4 +1.6
PLAL	Pickwick Lake	baz=130	30.26 323	eP	P	16 47 00.7 +1.1
O56A	Blue Knob Stat	11nm,0.6s	30.26 341	eP	P	16 47 01.2 +1.5
O56A	Blue Knob Stat	30nm,1.4s	30.26 341	eP	P	16 47 01.2 +1.5
X46A	Booneville	baz=135	30.26 322	P	P	16 47 01.1 +1.5
S50A	Richmond	baz=133	30.33 331	P	P	16 47 00.9 +1.2
SSPA	Standing Stone	baz=142	30.33 331	P	P	16 47 01.6 +1.4
SSPA	Standing Stone	20nm,0.8s	30.39 343	eP	P	16 47 02.5 +1.8
SSPA	Standing Stone	30.39 343	P	P	16 47 02.4 +1.6	
Y45A	Yeager Farm, C	baz=159	30.40 320	P	P	16 47 01.9 +1.1
R51A	Hillsboro	baz=131	30.46 333	P	P	16 47 02.8 +1.5
U48A	Castle Pea, Po	baz=145	30.50 327	P	P	16 47 03.1 +1.4
V47A	Nunnelly	baz=139	30.54 325	P	P	16 47 03.3 +1.3
OXF	Oxford	baz=136, SNR=8.4	30.74 321	eP	P	16 47 05.0 +1.2
OXF	Oxford	13nm,1.0s	30.74 321	P	P	16 47 05.2 +1.3
R50A	Paris	baz=132	30.78 332	P	P	16 47 06.2 +2.1
U47A	Clarksville	baz=144	30.86 326	P	P	16 47 06.0 +1.1
V46A	Holladay	baz=137	30.86 324	P	P	16 47 05.8 +0.9
T48A	Bowling Green	baz=135	30.88 328	P	P	16 47 06.8 +1.8
WVT	Waverly	baz=140	30.93 325	eP	P	16 47 06.4 +0.9
WVT	Waverly	12nm,0.6s	30.93 325	P	P	16 47 06.6 +1.1
MNMC	Minye Minye	baz=136	30.93 186	eP	P	16 47 04.0 -2.0
Q51A	Peebles	27nm,0.9s	30.95 334	P	P	16 47 07.6 +1.9
T47A	Sharon Grove	baz=146	31.16 327	eP	P	16 47 08.8 +1.3
T47A	Sharon Grove	23nm,1.4s	31.16 327	eP	P	16 47 08.8 +1.3
N54A	Moraine State	baz=138	31.35 340	P	P	16 47 11.0 +1.8
BINY	Binghamton	baz=154	31.36 346	eP	P	16 47 11.0 +1.7
BINY	Binghamton	16nm,0.9s	31.36 346	P	P	16 47 11.5 +2.2
S47A	Hartford	baz=162	31.50 328	P	P	16 47 11.8 +1.4
PB11	IPOC Station P	69nm,0.9s	31.56 186	eP	P	16 47 09.6 -1.7
T46A	Princeton	baz=137, SNR=11	31.62 326	P	P	16 47 13.1 +1.5
P50A	Jamestown	baz=146	31.63 334	P	P	16 47 13.3 +1.6
WCI	Wyandotte Cave	baz=146	31.68 329	P	P	16 47 13.9 +1.7
M54A	Oil Creek Stat	baz=155	31.73 341	P	P	16 47 14.6 +2.0
T45A	Paducah	baz=136	32.02 325	P	P	16 47 16.8 +1.7
X42A	Stuttgart	baz=129	32.17 319	P	P	16 47 17.8 +1.4
N50A	Nevada	baz=148	32.34 336	P	P	16 47 19.3 +1.4
O49A	Covington	baz=146	32.34 334	P	P	16 47 19.3 +1.4
ERPA	Ernie	baz=155	32.39 341	P	P	16 47 19.7 +1.4
S45A	Carrier Mills	baz=137	32.46 326	P	P	16 47 20.2 +1.2
U43A	Rector	baz=133	32.59 323	P	P	16 47 21.2 +1.2
NCB	Newcomb	44nm,0.7s	32.71 350	eP	P	16 47 21.8 +0.7
R45A	Skyler, Fairri	baz=138	32.75 327	P	P	16 47 22.7 +1.2
PB01	IPOC Station P	33nm,1.0s	32.81 185	eP	P	16 47 20.7 -1.6
V42A	Cort	baz=130, SNR=8.7	32.81 321	P	P	16 47 23.2 +1.2
SIUC	Southern Illin	54nm,0.6s	32.84 326	eP	P	16 47 23.5 +1.3
S44A	Carbondale	baz=136, SNR=13	32.85 146	LR	LR	16 47 23.8 +1.5
BDFB	Brasilia	comp=Z,201nm,20.1s, baz=214, slow=38	32.91 318	eP	P	16 47 24.0 +1.0
X40A	Basin Creek Fa	4.1nm,0.7s	32.91 318	P	P	16 47 24.3 +1.3
X40A	Basin Creek Fa	baz=127	32.91 318	P	P	16 47 24.4 +1.1
W41B	Gary Mavity, V	12nm,0.9s	32.95 319	eP	P	16 47 24.6 +1.4
W41B	Gary Mavity, V	baz=129, SNR=6.6	32.95 319	P	P	16 47 25.1 +1.4
T43A	Greenville	baz=134	33.00 324	P	P	16 47 25.1 +1.4
WHAR	Worship Hollow	11nm,0.8s	33.05 319	eP	P	16 47 24.7 +0.6
U42A	Reviden	baz=131, SNR=12	33.08 322	P	P	16 47 25.5 +1.2
Q45A	Warren Harvey,	baz=132	33.13 328	P	P	16 47 26.1 +1.3
R44A	Wiltonville	baz=137, SNR=11	33.15 326	P	P	16 47 26.2 +1.3
P46A	Rosedale	baz=143	33.21 330	P	P	16 47 26.6 +1.2
S43A	Fulton Ridge,	baz=134, SNR=18	33.22 324	P	P	16 47 26.2 +0.6
V41A	Mountainview	baz=129, SNR=12	33.28 320	P	P	16 47 26.9 +0.7
LONV	Lake Ozonia	baz=165	33.40 349	P	P	16 47 28.6 +1.6
P45A	Graceland, Par	12nm,0.9s	33.40 329	eP	P	16 47 28.4 +1.2
P45A	Graceland, Par	baz=140	33.40 329	P	P	16 47 28.3 +1.2
T42A	Van Buren	9.6nm,0.6s	33.44 323	eP	P	16 47 28.0 +0.6
T42A	Van Buren	baz=132, SNR=9.0	33.44 323	eP	P	16 47 28.1 +0.6
MIAR	Mount Ida	5.3nm,1.0s	33.44 317	eP	P	16 47 28.2 +0.7
MIAR	Mount Ida	baz=126	33.44 317	P	P	16 47 28.3 +0.7
U41A	Viola	baz=130, SNR=17	33.49 321	P	P	16 47 28.7 +0.7
W40A	Ferguson Farm,	16nm,0.6s	33.49 318	eP	P	16 47 28.8 +0.4
W40A	Ferguson Farm,	baz=128	33.49 318	P	P	16 47 28.8 +0.8
M48A	Edgerton	baz=146	33.58 335	P	P	16 47 29.3 +0.7
Q44A	Meyers Farm, Va	baz=137	33.59 327	P	P	16 47 29.7 +0.9
R43A	Red Bud	baz=135	33.63 326	P	P	16 47 29.6 +0.5
FVM	French Village	8nm,0.5s	33.70 325	eP	P	16 47 31.1 +1.3
V40A	Witts Springs	17nm,0.9s	33.71 319	P	P	16 47 30.9 +1.0
V40A	Witts Springs	baz=139, SNR=12	33.71 319	P	P	16 47 31.0 +1.0
L49A	Milan	baz=148	33.72 337	P	P	16 47 31.1 +1.2
S42A	Caledonia	baz=134, SNR=16	33.77 324	P	P	16 47 31.0 +0.6
X39A	Fountain Ranch	baz=125	33.78 316	P	P	16 47 31.3 +0.7
P44A	Sand Creek, Wi	baz=139	33.80 328	P	P	16 47 31.5 +0.9
T41A	Mountain View	baz=131, SNR=46	33.85 322	P	P	16 47 32.2 +1.1
W39A	Magazine	10nm,0.6s	33.96 318	eP	P	16

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Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like ASAR Alice Springs, ASAR Karatay Array, ASAR Dalian, etc.

2012 AUG

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like HIA Hailar, KMB0 Kilima Mbo, KMB0 Kilima Mbo, etc.

21d 17h

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like KBZ, KIV Kislovodsk, KIV Kislovodsk, etc.

21d 17h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HNR Honiara, LBTR Lobatse, NRIK Noril'sk, etc.

2012 AUG

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ARR Arges, MPEP Malo Peshtene, VTS Vitosh, etc.

1036

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MODS Modra-Piesok, MORC Moravsky Berou, ARSA Arzberg, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Long Farm, Sparta, Richard Creek, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Tabriz, Bostanabad, Ordubad, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like Sakubumi, Lemang, NAKONAYOK, etc.

AZER 21 17:42:58.0, 0.38°41N, 46°69E, h5km, m13.1/13, Error ellipse: s-maj=1.9km s-min=0.3km az=18.0

DRHM DHARAMISHLA 35.48 337 P P 17 55 23.6 +0.4

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like WHN, XAN, FITZ, LZH, SNI, WSAR, etc.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like KURK, BBOO, ZAAO, ZALV, ZAA1, etc.

Table with columns for station name, location, frequency, power, and other technical details. Includes stations like MAW, MOS, PRGR, OBN, etc.

21d 21h

Table with columns: Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKAR, MK01, MAK2, etc.

2012 AUG

Table with columns: Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like FFC, GEYT, OBN, etc.

1044

Table with columns: Station Name, Frequency, Azimuth, Elevation, SNR, and other parameters. Includes stations like VTS, DIVS, KBA, etc.

THE 21 21:39:00.6, 37.78N-21.89E, h13km, 1km, ML1.4/10, Error ellipse: s-maj=1.2km s-min=0.3km az=354.0

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

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like TEY, UGL, MJAR, USA08, etc.

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like DL2, HIA, MA2, JOW, etc.

Table with columns: Station, Frequency, Mode, Power, etc. Includes stations like XAN, ADK, GUMO, ENH, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like FITZ Fitzroy Crossi, NWLA Neilton Lookou, GEYT Alibeck, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like K0AD Chiloquin, AS31 Alice Springs, AS31 Alice Springs, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NC205 NORSAR Array S, PNTR Pine Nut, NC200 NORSAR Array S, etc.

22d 1h

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Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like LOHW Long Hollow, HVU Hansel Valley, ODD1 Odda, etc.

Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like P17A Butcher Ranch, MTPU Mount Pierson, K22A Casper, etc.

Table with columns: Station Name, Frequency, Power, Mode, and various status indicators. Includes stations like DPC DPC, ANTO Ankara, PV13 Radium Mtn., etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like Q24A Divide, NKC Novy Kostel, HERR Herculanee, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like NVR Neurokopi, LAZ Ladoron, E41A Kenton, etc.

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like FNA Florida, FNA Florida, FNA Florida, etc.

22d 1h

N42A	Yates City	84.31	38	P	P	01 45 30.1 -0.5
Q39A	Willow Grove F	84.35	40	P	P	01 45 30.4 -0.3
ITM	Ithomi	84.37	317	eP	P	01 45 30.2 -0.8
P40A	Paris	84.37	317	P	P	01 45 30.0 -1.0
P40A	Paris	84.41	40	eP	P	01 45 30.3 -0.8
P40A	Paris	84.41	40	P	P	01 45 30.9 -0.2
DYR	Agios Nikonas	84.49	316	P	P	01 45 30.8 -0.7
O41A	Passleys Farm,	84.49	39	P	P	01 45 31.3 -0.2
SIVA	Sivas	84.51	313	P	P	01 45 31.7 +0.1
R38A	Fenwick Farm,	84.57	42	P	P	01 45 31.0 -0.9
N43A	Stutzman Famil	84.60	37	P	P	01 45 31.5 -0.5
IMMV	Iera Moni Meta	84.62	314	P	P	01 45 31.8 -0.4
BNI	Bardonecchia	84.65	331	eP	P	01 45 32.0 -0.4
BNI	Bardonecchia	84.65	331	eP	P	01 45 32.0 -0.4
ANKY	Antikythira Is	84.67	315	P	P	01 45 31.5 -0.9
PYL	PYLQS	84.69	317	P	P	01 45 31.2 -1.3
WMOK	Wichita Mounta	84.70	47	eP	P	01 45 33.2 +0.6
WMOK	Wichita Mounta	84.70	47	eP	P	01 45 33.2 +0.6
WMOK	Wichita Mounta	84.70	47	eP	P	01 45 33.2 +0.6
M44A	Midewin, Midew	84.74	36	eP	P	01 45 33.6 +0.9
M44A	Midewin, Midew	84.74	36	eP	P	01 45 33.6 +0.9
M44A	Midewin, Midew	84.74	36	eP	P	01 45 33.6 +0.9
P41A	Barry, Barry	84.76	39	P	P	01 45 32.7 -0.1
O42A	Bath	84.79	38	P	P	01 45 32.6 -0.4
Q40A	Laux Farm, Aux	84.82	40	P	P	01 45 33.1 -0.1
HDIL	Hopedale	84.86	37	eP	P	01 45 33.2 -0.2
HDIL	Hopedale	84.86	37	eP	P	01 45 33.2 -0.2
R39A	Chumby, Stover	84.89	41	P	P	01 45 32.8 -0.7
S38A	Stockton	85.00	42	P	P	01 45 33.3 -0.8
O43A	Sugar Creek Fa	85.07	37	P	P	01 45 34.0 -0.4
M45A	Boilermakers S	85.08	36	P	P	01 45 33.7 -0.7
CUC	Castroccucco	85.11	322	eP	P	01 45 33.6 -1.1
P42A	Winchester	85.16	38	eP	P	01 45 35.0 +0.2
P42A	Winchester	85.16	38	eP	P	01 45 35.0 +0.2
N44A	Piper City	85.18	36	P	P	01 45 34.3 -0.7
PMOR	Pomarioley Ree	85.23	115	eT	T	03 19 14.8
S39A	Bolivar	85.25	42	eP	P	01 45 34.6 -0.7
S39A	Bolivar	85.25	42	eP	P	01 45 34.6 -0.7
Q41A	Truxton	85.25	39	P	P	01 45 34.9 -0.4
T38A	Diamond	85.28	43	P	P	01 45 35.2 -0.2
R40A	Maddies Statio	85.28	40	eP	P	01 45 35.3 -0.2
R40A	Maddies Statio	85.28	40	eP	P	01 45 34.9 -0.6
TIP	Timpagrande	85.33	321	eP	P	01 45 35.9 +0.1
TIP	Timpagrande	85.33	321	eP	P	01 45 35.5 -0.3
TIP	Timpagrande	85.33	321	eP	P	01 45 35.5 -0.3
TUL1	Leonard	85.38	44	eP	P	01 45 37.0 +1.0
TUL1	Leonard	85.38	44	eP	P	01 45 37.0 +1.0
N45A	Kentland	85.41	36	P	P	01 45 36.0 0.0
M46A	Old House Fiel	85.45	35	P	P	01 45 36.2 -0.1
L47A	Sherwood	85.46	34	P	P	01 45 35.8 -0.5
P43A	Skaggs, Pawnee	85.50	38	P	P	01 45 36.5 0.0
LP1G	La Paz	85.50	61	LR	LR	02 15 19.9
O44A	Mansfield	85.56	37	P	P	01 45 36.5 -0.3
Q42A	Golden Eagle	85.61	39	P	P	01 45 36.8 -0.3
TRQ	Mont Tremblant	85.68	25	eP	P	01 45 37.0 -0.4
R41A	Rosebud	85.70	40	P	P	01 45 37.3 -0.3
N46A	Monticello	85.71	35	P	P	01 45 37.2 -0.3
S40A	Lebanon	85.72	41	P	P	01 45 37.1 -0.5
T39A	Cleaver	85.74	42	P	P	01 45 37.4 -0.4
L48A	N Adams	85.80	33	P	P	01 45 37.8 -0.2
O45A	Potomac	85.81	36	P	P	01 45 37.6 -0.4
ABTX	Abilene, Hawle	85.81	49	P	P	01 45 38.2 -0.1
AAM	Ann Arbor	85.82	33	P	P	01 45 38.1 0.0
PLVO	Plevna	85.90	27	eP	P	01 45 38.1 -0.3
TX31	Lajitas Ar. Si	85.92	54	eP	P	01 45 39.6 +0.7
LTX	Lajitas	85.92	54	eP	P	01 45 39.7 +0.7
TXAR	Lajitas Array	85.92	54	eP	P	01 45 39.7 +0.8
L49A	Milan	85.94	33	P	P	01 45 38.7 +0.1
PPT	Papeete	85.96	118	LR	LR	02 16 35.2
CCM	Cathedral Cave	85.96	40	eP	P	01 45 39.5 +0.6
CCM	Cathedral Cave	85.96	40	eP	P	01 45 39.5 +0.6
CCM	Cathedral Cave	85.96	40	eP	P	01 45 39.5 +0.6
CCM	Cathedral Cave	85.96	40	eP	P	01 45 39.5 +0.6
PPT2	Papeete2	85.97	118	eS	S	01 56 07.0 -1.6
PPT2	Papeete2	85.97	118	eLR	LR	02 12 41.5
PPT2	Papeete2	85.97	118	eLR	LR	02 12 41.5
PPT2	Papeete2	85.97	118	eLR	LR	02 12 41.5
SF1N	Lafayette	85.98	36	P	P	01 45 39.6 +0.7
SF1N	Lafayette	85.98	36	P	P	01 45 38.5 -0.4
Q43A	New Douglas	85.98	38	P	P	01 45 39.1 +0.2
R42A	Luebbering	86.00	40	P	P	01 45 38.7 -0.4
PAE	Paee	86.02	118	eT	T	03 20 12.8
HHAR	Hobbs	86.04	43	eP	P	01 45 39.6 +0.3
P44A	Sand Creek, Wi	86.04	37	P	P	01 45 39.1 -0.1
T40A	Mansfield	86.06	41	P	P	01 45 38.7 -0.7
M48A	Edgerton	86.07	34	eP	P	01 45 40.0 +0.6
M48A	Edgerton	86.07	34	eP	P	01 45 38.6 -0.7
S41A	Jilico Farms,	86.09	41	P	P	01 45 39.1 -0.5
TIAR	Tiarei	86.10	118	eT	T	03 20 19.0
U39A	Green Forest	86.19	42	P	P	01 45 39.6 -0.4

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TAOE	Nuku Hiva Isla	86.31	105	eLR	LR	02 12 54.0
TAOE	Nuku Hiva Isla	86.31	105	eT	T	03 20 40.6
Q44A	Meyer Farm, Va	86.32	38	P	P	01 45 40.4 -0.2
TVO	Taravao	86.33	118	eT	T	03 20 35.3
M49A	Liberty Center	86.38	33	P	P	01 45 40.7 -0.2
P45A	Graceland, Par	86.39	37	eP	P	01 45 41.5 +0.6
P45A	Graceland, Par	86.39	37	eP	P	01 45 59.0 +1.8
P45A	Graceland, Par	86.39	37	eP	P	01 45 40.7 -0.2
S42A	Caledonia	86.38	40	P	P	01 45 40.9 -0.2
R43A	Red Bud	86.41	39	P	P	01 45 40.9 -0.1
FVM	French Village	86.41	40	eP	P	01 45 42.3 +1.2
FVM	French Village	86.41	40	eP	P	01 45 42.3 +1.2
FVM	French Village	86.41	40	eP	P	01 45 42.3 +1.2
HP1G	HP1G	86.44	56	eP	P	01 45 42.7 +1.0
HP1G	HP1G	86.49	35	eP	P	01 45 57.2 -0.7
O47A	Sheridan	86.49	35	eP	P	01 45 41.1 -0.3
T41A	Mountain View	86.52	41	P	P	01 45 41.2 -0.5
U40A	Yellville	86.53	42	P	P	01 45 41.2 -0.5
V39A	Pettigrew	86.53	43	P	P	01 45 41.4 -0.4
P46A	Rosedale	86.55	37	P	P	01 45 41.6 -0.1
DAMY	Dhamar	86.56	286	eP	P	01 45 43.8 +1.2
Q45A	Warren Harvey,	86.72	38	P	P	01 45 42.5 0.0
M50A	Fremont	86.82	33	P	P	01 45 42.7 -0.2
R44A	Waltonville	86.82	38	P	P	01 45 42.9 -0.2
T42A	Van Buren	86.85	40	eP	P	01 45 43.2 -0.1
T42A	Van Buren	86.85	40	eP	P	01 45 43.1 -0.1
S43A	Fulton Ridge,	86.90	40	P	P	01 45 43.2 -0.3
O48A	Farland	86.91	35	P	P	01 45 43.2 -0.2
W39A	Magazine	86.97	43	P	P	01 45 43.9 +0.1
Q46A	CEJHS Indians,	86.97	37	eP	P	01 45 43.9 +0.2
V40A	Witts Springs	86.97	42	eP	P	01 45 44.1 +0.2
V40A	Witts Springs	86.97	42	eP	P	01 45 43.8 -0.1
U41A	Viola	87.00	41	P	P	01 45 43.4 -0.6
P47A	Martinsville	87.07	36	P	P	01 45 44.5 -0.2
LONV	Lake Ozonia	87.10	26	P	P	01 45 43.9 -0.5
BATG	Bathurst New B	87.10	19	eP	P	01 45 43.8 -0.5
R45A	Skyler, Fair	87.15	38	P	P	01 45 44.6 -0.1
PQ1	Presque Isle	87.17	21	eP	P	01 45 44.9 +0.3
S44A	Catandale	87.19	39	eP	P	01 45 45.0 +0.2
SIUC	Southern Illin	87.19	39	eP	P	01 45 45.2 +0.4
T43A	Greenville	87.19	40	P	P	01 45 44.7 -0.2
MOQ	Mont Orford	87.21	24	eP	P	01 45 45.0 +0.1
N50A	Nevada	87.31	33	P	P	01 45 45.7 +0.3
O49A	Covington	87.31	34	P	P	01 45 45.4 0.0
U42A	Reviden	87.32	41	P	P	01 45 45.3 -0.2
V41A	Mountainview	87.32	42	eP	P	01 45 45.0 -0.6
JCT	Junction City	87.33	50	eP	P	01 45 46.2 +0.6
JCT	Junction City	87.33	50	eP	P	01 45 46.3 +0.6
JCT	Junction City	87.33	50	eP	P	01 45 45.9 +0.2
W40A	Ferguson Farm,	87.33	43	eP	P	01 45 46.5 +0.9
W40A	Ferguson Farm,	87.33	43	eP	P	01 45 45.7 +0.1
X39A	Fountain Ranch	87.33	44	P	P	01 45 46.0 +0.4
PBMO	Poplar Bluff	87.37	40	eP	P	01 45 46.2 +0.4
ERPA	Erie	87.40	31	P	P	01 45 46.1 +0.2
Q47A	Beard North L	87.46	36	P	P	01 45 46.2 +0.1
P48A	Milroy	87.46	35	P	P	01 45 45.8 -0.3
WHTX	Lake Whitney,	87.50	48	eP	P	01 45 47.0 +0.6
S45A	Carrier Mills	87.52	39	P	P	01 45 46.2 -0.3
T44A	Benton	87.52	40	P	P	01 45 46.4 -0.1
R46A	Gibson Southern	87.57	38	P	P	01 45 46.8 +0.2
MIAR	Mount Ida	87.58	44	eP	P	01 45 47.4 +0.6
MIAR	Mount Ida	87.58	44	eP	P	01 45 47.4 +0.6
MIAR	Mount Ida	87.58	44	eP	P	01 45 47.0 +0.2
O50A	Cable	87.64	34	P	P	01 45 47.0 0.0
WHAR	Woolly Hollow	87.65	42	eP	P	01 45 47.4 +0.3
V42A	Cot	87.68	41	P	P	01 45 46.9 -0.4
P49A	Miami Univ. Ec	87.70	35	P	P	01 45 47.1 -0.1
U43A	Rector	87.71	40	eP	P	01 45 47.1 -0.2
W41B	Gary Mavity, V	87.76	42	eP	P	01 45 48.2 +0.6
W41B	Gary Mavity, V	87.76	42	eP	P	01 45 47.3 -0.3
Q48A	North Vernon	87.77	36	P	P	01 45 47.7 +0.1
PARMO	Parma	87.79	40	eP	P	01 45 49.2 +1.5
ACSO	Alum Creek Sta	87.84	33	eP	P	01 45 48.1 +0.2
ACSO	Alum Creek Sta	87.84	33	eP	P	01 46 03.5 -0.7
ACSO	Alum Creek Sta	87.84	33	eP	P	01 45 47.8 -0.1
S46A	Don Dixon Farm	87.91	38	P	P	01 45 48.0 -0.3
R47A	Woolly Knot Far	87.94	37	P	P	01 45 48.1 -0.3
VT1	Waterbury	87.94	25	eP	P	01 45 49.3 +1.0
U44A	Portageville	87.95	40	P	P	01 45 48.1 -0.4
X40A	Basin Creek Fa	88.01	43	eP	P	01 45 49.4 +0.6
X40A	Basin Creek Fa	88.01	43	eP	P	01 45 49.1 +0.2
P50A	Jamestown	88.02	34	P	P	01 45 48.7 -0.2
W42A	Bald Knob	88.04	42	P	P	01 45 48.9 0.0
M54A	Oil Creek Stat	88.05	31	eP	P	01 45 49.0 +0.1
M54A	Oil Creek Stat	88.05	31	eP	P	01 45 48.8 -0.1
Q49A	Aurora	88.06	35	P	P	01 45 49.2 +0.2

WCI	Wyandotte Cave	88.10	37	eP	P	01 45 49.5 +0.3
WCI	Wyandotte Cave	88.10	37	eP	P	01 45 49.5 +0.3
WCI	Wyandotte Cave	88.10	37	eP	P	01 45 49.3 +0.1
PKME	Peaks-Kenny Pk	88.11	22	eP	P	01 45 49.5 +0.4
PKME	Peaks-Kenny Pk	88.11	22	eP	P	01 46 05.1 -0.3
PKME	Peaks-Kenny Pk	88.11	22	eP		

22d 5h

Table with columns: GDB, GEDABAY, SNR, Pn, 05 29 15.7 +0.8, etc. Lists various stations and their frequencies.

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Table with columns: IKLH, GEYT, GEYT, GYA0B, GYA0B, GYA0B, etc. Lists various stations and their frequencies.

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Table with columns: SUW, SUW, SUW, SUW, SUW, SUW, etc. Lists various stations and their frequencies.

Code Station Name Δ° AZ° Phase ID Time Res ISC h m s ISC
I46RU ZALESOVO INFRA 1.68 288 i
ZALV Zalesovo Beam 1.68 288 Pg
ZALV 0.70nm,0.3s,baz=108,slow=15,SNR=6.9 Lg Pn
1.8nm,0.3s,baz=108,slow=23,SNR=7.7 Lg Pn
KURBB Kurchatov Arra 6.23 247 Pn
0.1nm,0.3s,baz=60,slow=14,SNR=3.0 Lg Lg
KURBB 0.1nm,0.3s,baz=61,slow=33,SNR=3.0 Lg Lg
MKAR Makanchi Array 7.47 209 Pn
0.1nm,0.3s,baz=30,slow=15,SNR=4.6 Pn

SOME 22 05:47:19.6, 44:75N-81:97E, h10km
NNC 22 05:47:19.2, 1.7, 44:72N-82:15E, h0km, mb3.6, mpv3.1,
Error ellipse: s-maj=28.6km s-min=16.4km az=57.0, Southeastern
ISC 22 05:47:17.4, 1.4, 44:72N-82:05, h10km, n17,
c235/34, 4C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations and their frequencies.

Table with columns: Code, Station Name, Az, El, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KURS, SATY, CHHK, etc.

NIED 22 05:57:00.29,70N,139.30E,h440km,Mw4.5 Best double couple: M7.50000,1015 NP1.9,9.00000, delta 1.00000, lambda-145.00000, NP2.9,245.00000, delta 0.00000, lambda-81.00000.

BUI 22 05:57:57.9,29.50N,138.90E,h433km,mb4.8/35, mb4.5/29 JMA 22 05:57:59.0,3.2,29.74N,139.28E,h484km,5km,M4.4 ISC/BJ 22 05:58:00.2,0.2,29.65N,102.138.75E,0.03, h439km,2km,mb4.4/149, Error ellipse: s-maj=4.2km s-min=2.4km az=168.7

Southeast of Honshu

Main table of station data for the Southeast of Honshu region, including stations like JHCJ, JHU2, JHU3, etc.

Main table of station data for the Hailar region, including stations like HIA, HHC, HHH, etc.

Main table of station data for the KKN region, including stations like KKN, KAKI, NVS, etc.

Table of astronomical observations for 2018 August, including station names (e.g., ILAR, ILB, DZM), object names (e.g., NORSAR Array S, NORSAR Array S), and associated data points like RA, Dec, and magnitude.

Table of astronomical observations for 2018 August, continuing from the first table with station names (e.g., NC204, NB205, NB2) and object names (e.g., NORSAR Array S, NORSAR Subarra).

Table of astronomical observations for 2018 August, including station names (e.g., LTX, TXAR, QSPA), object names (e.g., South Pole Qui, Torodi Ar. Sit), and associated data points like RA, Dec, and magnitude.

NCC 22 10:10:39.24.2, 37.29N-70.80E, h0km, mb3.7, mpv3.3, 3C-4D, Error ellipse: s-maj=32.0km s-min=27.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array, Ala-Archa.

IDC 22 10:13:42.1±0.5, 11.64N:125.76E, h0km, mb4.4/28, mb1 4.5/29, mb1mx4.4/65, mbtmp4.4/29, ML4.8/1, MS3.6/15, Ms1 3.6/15, ms1mx3.6/4, Error ellipse: s-maj=19.0km s-min=11.3km az=73.0

ISC/JB 22 10:13:43.0±0.2, 11.83N:125.87E:0.03, h10km, mb4.7/58, MS3.5/13, Error ellipse: s-maj=3.9km s-min=2.7km az=26.5

MAN 22 10:13:46.7, 11.74N:125.72E, h11km, mb5.4, ML4.4, MS4.6

NEIC 22 10:13:47.0±1.9, 11.67N:125.73E, h31km±13km, mb4.7/17, Error ellipse: s-maj=6.6km s-min=4.8km az=71.0

NEIC Felt [K PIVS] at Borongan, Maydolon, Sulat and Taft; [III PIVS] at Can-Avid, Lorente and Oras; [II PIVS] at Guianan. Also felt [II PIVS] at Palo and Tacloban, Leyte.

ISC 22 10:13:42.8±1.1, 11.78N:125.86E:0.04, h4km, Res, n142, s1953/151, mb4.8/58, MS3.4/13, 4C-5D, Samar

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and event details.

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and event details.

az=54.3 GCMT 22 10:13:57.5±0.2, 20.18S:173.08W:0.01, h18km, MW5.1/96, Moment Tensor Solution, s52,c72, s96,c151; Duration: 0 Moment tensor: Scale 10^19Nm; Mr4.99±1.7; Mw-0.79±1.0; Ms-4.20±1.1; Ms1.10±2.6; Ms0-1.24±0.7; Ms1.48±2.2; Best double couple: Mw5.13500±0.1016 NP1:0.24.00000, s55.00000, t81.00000; Principal axes: T 5.3570, P 10.79.0000, Azm318.0000; N -0.4390, P165.0000, Azm200.0000; P -4.9140, P1610.0000, Azm109.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rater function

NEIC 22 10:13:57.5±0.1, 20.04S:173.66W, h35km, mb5.1/243 Error ellipse: s-maj=4.6km s-min=2.5km az=147.0

ISC 22 10:13:55.9±0.2, 19.93S:173.57W:0.05, h25km, n895, s1916/897, mb5.2/296, MS4.6/50, 72C-13D, Tonga Islands

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and event details.

IDC 22 10:13:51.9±0.3, 20.09S:173.63W, h0km, mb5.1/37, mb1 5.1/39, mb1mx5.1/49, mbtmp5.1/39, ML4.5/2, MS4.4/36, Ms4.4/36, ms1mx4.4/36, Error ellipse: s-maj=12.8km s-min=10.4km az=152.4

ISC/JB 22 10:13:54.2±0.1, 20.08S:173.65W:0.03, h25km, mb5.2/298, MS4.5/49, Error ellipse: s-maj=5.3km s-min=2.6km az=152.4

BUI 22 10:13:55.4, 19.55S:173.37W, h22km, mb5.4/42, mb5.6/23, Ms5.2/15, Ms7.4/9/11

MOS 22 10:13:56.1±1.1, 19.96S:173.73W, h33km, mb5.2/59, MS4.6/11, Error ellipse: s-maj=9.3km s-min=7.5km

22d 11h

Table with columns: NRK, KMBO, WRA, etc. and rows for various stations and their parameters.

IDC 22 10:25:48.6, 1.7, 20:07S:173:33W, h0km, mb4.2/5, mb1 4.3/7, mb1mx3.8/54, mbtmp4.3/7, ML3.8/2, MS3.9/2, Ms1 3.9/2, ms1mx3.2/52, Error ellipse: s-maj=48.9km s-min=29.3km az=51.0

ISC 22 10:25:50.3, 1.0, 19:15S:010:173:2W, 0.1, h25km, n9, c139R/g, mb4.1/5, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like AF1, RAR, RAR, etc.

DJA 22 10:32:12.5, 3.1, 2S:18x13'9E:1'1, h32km, 38km, M3.8/3, MLV3.8/3, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like GENI, GENI, JAY, WAMI.

LVSN 22 10:50:32.5, 7.4, 58:40N:26:80E, h0km, 102km, ML1.5

HEL 22 10:50:31.1, 0.4, 60:57N:29:19E, h0km, ML1.5, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like VJF, VJF, PVF, etc.

IDC 22 10:51:47.5, 0.8, 37:93N:142:55E, h0km, mb3.8/17, mb1 3.9/21, mb1mx3.8/75, mbtmp3.8/21, ML3.4/4, MS3.7/3, Ms1 3.7/3, ms1mx2.8/78, Error ellipse: s-maj=19.1km s-min=15.6km az=114.0

ISCJB 22 10:51:50.3, 1.2, 37:99N:0:03:142:43E:0:04, h29km, 8km, mb4.0/21, MS3.7/3, Error ellipse: s-maj=6.2km s-min=4.6km az=42.2

JMA 22 10:51:50.8, 0.2, 37:97N:142:40E, h40km, 3km, M3.9

NEIC 22 10:51:41.2, 2.3, 37:94N:142:58E, h26km, 15km, mb4.5/4, Error ellipse: s-maj=11.5km s-min=6.3km az=132.0

ISC 22 10:51:50.7, 3.9, 37:98N:0:05:142:43E:0:06, h18km, 21km, n52, c153/60, mb4.0/21, MS3.6/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like JIO, JIO, OFUJ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like MAJO, MAJO, MAT, etc.

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

BJI 22 10:59:37.7, 12:84S:109:84E, h9km, mb4.7/16, mb4.9/10, 4.4/74, Ms7.4/22

ISCJB 22 10:59:44.0, 0.5, 12:00S:0:05:109:41E:0:04, h10km, mb4.5/24, MS3.2, Error ellipse: s-maj=7.3km s-min=4.2km az=30.5

IDC 22 10:59:43.4, 1.2, 11:94S:109:46E, h0km, mb4.3/13, mb1 4.5/15, mb1mx4.2/61, mbtmp4.4/15, ML3.0/3, MS3.3/3, Ms1 3.3/3, ms1mx2.8/59, Error ellipse: s-maj=38.9km s-min=15.5km az=45.0

NEIC 22 10:59:44.7, 0.4, 12:06S:109:43E, h10km, mb4.6/9, Error ellipse: s-maj=10.4km s-min=5.2km az=222.0

ISC 22 10:59:45.1, 0.6, 11:99S:0:07:109:50E:0:06, h10km, n106, c190/109, mb4.6/24, South of Java

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like PCJ, PCJ, UGM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like LEM, LEM, TBUI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like LWLI, LWLI, MDSI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like FITZ, FITZ, IPM, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. for stations like CHTO, CHTO, STKA, etc.

ISCJB 22 11:04:07.6, 0.2, 27:6N:0:1x100:3E:0:2, h10km, mb3.7/8, Error ellipse: s-maj=3.3km s-min=6.3km az=142.5

BJI 22 11:04:17.8, 27:58N:100:12E, h6km, ML3.7/10, Ms3.6/3, Ms7.3/6/3

IDC 22 11:04:17.7, 1.0, 27:56N:100:42E, h0km, mb3.8/9, mb1 3.9/9, mb1mx3.6/75, mbtmp3.8/9, Error ellipse: s-maj=44.3km s-min=18.3km az=58.0

ISC 22 11:04:19.4, 1.0, 27:7N:0:2x100:4E:0:3, h10km, n111, c119/111, mb3.9/8, Yunnan

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

ISCJB 22 11:07:44.0, 0.5, 23:67S:0:07:66:98W:0:04, h196km, Error ellipse: s-maj=9.6km s-min=4.5km az=20.5

SJA 22 11:07:44.0, 0.5, 23:67S:0:07:66:98W:0:04, h196km, ML2.8, M1/3.2

ISC 22 11:07:40.0, 1.3, 23:68S:0:07:66:95W:0:05, h196km, n17, c093/29, 10C, Jujuy Province

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB03 IPOC Station P, PB05 IPOC Station P, ANCH Antofagasta, etc.

ICC 22 11:13:23.0-0.6, 62.625x158.76W, h0km, mb4.4/8, mb1 4.5/8, mb1mx4.3/4.1, mbtmp4.4/8, MS4.3/19, Ms1 4.3/19, ms1mx4.1/4.2, Error ellipse: s-maj=28.5km s-min=17.2km az=17.0

ISCJB 22 11:13:24.5-0.6, 62.78S;0.09:158.6W;0.2, h10km, mb4.5/12, MS4.3/18, Error ellipse: s-maj=15.3km s-min=12.3km az=19.8

NEIC 22 11:13:25.1-0.3, 62.47S;158.68W, h10km, mb4.7/2, Error ellipse: s-maj=14.6km s-min=11.7km az=174.0

GCMT 22 11:13:21.1-0.2, 62.89S;0.01:158.75W;0.04, h12km, MW5.1/82, Moment Tensor Solution, s52.c71, s82.c121; Duration: 0. Moment tensor: Scale 10^19Nm; Mrr-4.93e-14; Mss-5.29e-12; Mtt-0.35e-14; Mtr1.10e-39; Mtr-1.94e-12; Mtr2.03e-42; Best double couple: Mo5.94100e-1016 NP1.9e265.00000e+0, s52.00000e-1, -121.00000e-2; o=130.00000e+0, s48.00000e-1, -56.00000e-1. Principal axes: T 5.9120, Plg3.0000e-0, Azm16.0000e-1; P -5.9170, Plg6.0000e-0, Azm112.0000e-1; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22 11:13:25.8-0.5, 62.725S;0.10:158.7W;0.1, h10km, n62, alpha148/35, mb4.5/12, MS4.3/18, Pacific-Antarctic Ridge

Main table for 1067 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VVDA Vanda, VVDA Rata Peaks, RPZ Rata Peaks, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SDV Santo Domingo, ILAR Dawson, DALW Dawson, etc.

ICC 22 11:35:05.6-1.7, 0.76N;126.10E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.3/68, mbtmp3.4/4, Error ellipse: s-maj=165.6km s-min=23.4km az=65.0, Northern Molucca Sea

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

MEX 22 11:38:15.5-0.5, 18.09N;103.38W, h2km, MD3.6, Near coast of Michoacan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MMIG Aquila, R15V, E25V, etc.

MOS 22 11:38:11.9-0.9, 5.87S;147.19E, h33km, mb5.2/58, Error ellipse: s-maj=9.5km s-min=6.0km az=98.7

BUJ 22 11:38:14.5-6.1, 15x147.95E, h86km, mb5.0/48, mb5.0/32, Ms4.9/22, Ms7.4/6/10

ISCJB 22 11:38:16.7-0.1, 6.03S;0.02:147.28E;0.02, h77km, mb5.2/193, Error ellipse: s-maj=3.0km s-min=2.5km az=-1.9

ICC 22 11:38:18.1-0.9, 5.97S;147.27E, h77km, mb5.4/80, mb1 4.8/44, mb1mx4.8/53, mbtmp5.1/44, MS4.0/34, Ms1 4.0/34, ms1mx3.9/47, Error ellipse: s-maj=8.4km s-min=6.5km az=93.0

NEIC 22 11:38:19.6-0.5, 6.05S;147.25E, h91km, mb5.3/106, Error ellipse: s-maj=3.9km s-min=3.2km az=87.0

NEIC Felt at Goroka, Kainantu and Lae, DJA 22 11:38:20.1-0.5, 6.3S;147.7E, h87km, mb5.5/66, mb5.7/66, mb5.8/49, MLV6.3/3, MW(5)4/49

GCMT 22 11:38:21.6-0.1, 6.17S;0.01:147.28E;0.01, h93km, 1km, MW5.3/105, Moment Tensor Solution, s87.c142; s105.c193; Duration: 1.11. Moment tensor: Scale 10^17 Nm; Mrr-0.10e-02; Mss-0.41e-02; Mtt-0.30e-02; Mtr-0.87e-01; Mtr0.10e-02; Mtr0.56e-02; Best double couple: Mo1.10500e+017, s105.00000e+0, s87.00000e+0, -1.70.00000e-0, NP2.20.00000e+0, s20.00000e-1, -1.71.00000e-0. Principal axes: T 1.1110, Plg39.0000e-0, Azm194.0000e-1; N -0.0130, Plg19.0000e-0, Azm301.0000e-1; P -1.0980, Plg45.0000e-0, Azm52.0000e-0; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22 11:38:18.0-0.2, 6.06S;0.03:147.31E;0.04, h77km, n522, alpha154/550, mb5.3/191, 5S-11D, Eastern New Guinea

Main table for 2012 AUG with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG Port Moresby, MANU Manus Island, RABL Rabaul, etc.

Main table for 22d 11h with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MTN Manton Dam, BNDI Bannanaira, WSAI Warramunga Arr, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MKAR, MAKZ, PDGK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SKAG, BESE, H02N1, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like G42A, Q41A, R41A, etc.

Table with columns: MWJ, Station Name, Time, Res, Pn, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like Matsushiro Arr, Wachi, Ashikaga, etc.

ISK 22 14:30:25.6, 38.07N, 38.18E, h8km, ML2.0
ISCJB 22 14:30:26.0, 38.06N, 0.38, 18E, h8km, 2.7km, mb3.0/2, Error ellipse: s-maj=5.4km s-min=3.6km az=140.3

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like AKCD, DARE, URFA, etc.

CASC 22 14:33:55.7, 3.9, 13.52N, 88.81W, h72km, 2.1km, ML3.7
ISC 22 14:33:59.2, 1.3, 35.69N, 88.91W, h80km, 2.7km, mb3.0/2, Error ellipse: s-maj=9.7km s-min=2.2km az=41.0

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like SNVI, UESV, PAVA, etc.

ISC 22 14:33:52.1, 0.1, 13.56N, 0.08, 88.83W, 0.04, h63km, 2.6km, n35, e221/42, 1C, 7D, EI Salvador

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like SNVI, UESV, PAVA, etc.

ISC 22 14:49:24.6, 1.6, 13.70N, 93.61E, h0km, mb3.6/5, mb1 3.7/6, mb1mx3.4/7.1, mbtmp3.5/6, ML3.5/1, MS2.7/1, Ms1 2.7/1, ms1mx2.2/6.8, Error ellipse: s-maj=60.0km s-min=19.7km az=63.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like CMAR, AAK, MKAR, etc.

WRA Warramunga Arr 52.19 129 P 14 58 37.0 -0.6
ASAR Alice Springs 54.15 133 P 14 58 52.0 0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like SCPH, BUTP, MSLP, etc.

MAN 22 15:06:30.6, 9.97N, 126.12E, h14km, mb3.9, ML2.6, MS2.1, 1D, Mindanago

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like SCPH, BUTP, MSLP, etc.

ISC 22 15:02:21.0, 0.2, 14.12N, 127.40E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.5/5.8, mbtmp3.7/6, Error ellipse: s-maj=54.4km s-min=17.7km az=77.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like FITZ, WRA, ASAR, etc.

MEX 22 15:05:42.0, 0.3, 16.24N, 98.23W, h13km, 5km, MD3.5, Near coast of Guerrero

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

NIED 22 15:16:00.36, 9.0N, 141.10E, h41km, Mw3.6 Best double couple: Ms3.27000, 1014 NP1, az33.00000, d18.00000, lambda-67.00000, NP2, az189.00000, delta73.00000, lambda-97.00000

ISCJB 22 15:16:00.6, 36.84N, 0.03, 141.19E, 0.06, h50km, 5km, mb3.5/8, Error ellipse: s-maj=8.5km s-min=5.0km az=13.0
JMA 22 15:16:17.6, 0.1, 36.86N, 141.06E, h51km, 1km, M3.8, JMA Fell II J1

ISC 22 15:16:17.7, 1.5, 36.82N, 141.21E, h48km, 16km, mb3.3/8, mb1 3.6/12, mb1mx3.4/8.0, mbtmp3.7/12, ML3.8/4, MS2.3/2, Ms1 2.3/2, ms1mx2.1/3.0, Error ellipse: s-maj=14.1km s-min=10.6km az=82.0

ISC 22 15:17:0.1, 0.36, 83N, 0.04, 141.21E, 0.07, h40km, 11km, n31, e121/38, mb3.5/8, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like ONAJ, JHO, JFFD, etc.

ISCJB 22 15:29:57.9, 1.1, 20.96S, 0.08, 68.0W, 0.2, h136km, mb3.6/3, Error ellipse: s-maj=28.7km s-min=10.2km az=169.6

IDC 22 15:30:01.0, 2.1, 20.81S, 67.86W, h160km, 19km, mb3.4/3, mb1 3.4/6, mb1mx3.2/4.5, mbtmp3.8/6, Error ellipse: s-maj=37.1km s-min=17.5km az=82.0
ISC 22 15:29:58.0, 1.2, 20.99S, 0.10, 68.1W, 0.2, h136km, n7, e193/83, mb3.6/3, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like LPAZ, CPUP, PLCA, etc.

IDC 22 15:31:58.6, 3.1, 5.20S, 133.96E, h0km, mb3.5/1, mb1 3.7/4, mb1mx3.4/4.8, mbtmp3.5/4, ML3.3/3, Error ellipse: s-maj=129.0km s-min=29.2km az=83.0, Aru Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like WRA, FITZ, ASAR, etc.

IDC 22 15:46:51.0, 0.7, 8.16N, 74.74W, h48km, 5km, mb3.5/6, mb1 3.9/8, mb1mx3.5/5.5, mbtmp3.8/8, MS2.9/6, Ms1 2.9/6, ms1mx2.6/3.9, Error ellipse: s-maj=18.4km s-min=11.7km az=10.0

RSNC 22 15:46:52.6, 0.7, 8.29N, 74.60W, h7km, 3km, ML3.9, Mw3.9
ISC 22 15:46:52.6, 0.6, 8.33N, 0.04, 74.63W, 0.04, h52km, 6km, n36, e190/56, mb3.8/6, 3C-3D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, h, m, s, ISC. Includes stations like ZARC, UREC, MOTC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NSY, FULB, NMLH, WLTB, EGS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SGLT, MASBT, EAST, SCZT, PHUB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like mb3.5/4, MS3.4/1, Error ellipse, etc.

22d 18h

ISCJB 22:18:19.31.9.0.2, 24.02S, 0.05:178.91E, 0.06, h548km, mb4.3/3S, Error ellipse: s-maj=7.2km s-min=6.0km az=177.8

NEIC 22:18:19.33.8.0.8, 24.09S:179.11E, h569km, 8km, mb5.2/2, Error ellipse: s-maj=9.6km s-min=7.7km az=52.0

IDC 22:18:19.33.5.0.9, 24.05S:179.03E, h561km, 10km, mb3.9/33, mb1 3.9/36, mb1mx3.8/56, mbtmp4.8/36, Error ellipse: s-maj=9.5km s-min=8.5km az=52.0

ISC 22:18:19.32.2.0.4, 24.05S:0.06:179.06E, 0.08, h548km, n137, s1905/145, mb4.2/35, 15C-SD, South of Fiji Islands

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

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Main table of seismic events for August 2012. Columns include station codes (FINES, NB2, NOA, HFS, AKASO, etc.), station names, magnitudes, times, and other event details.

ISCJB 22:18:24.22.6.0.4, 3.72S:0.05:127.54E, 0.03, h42km, mb4.2/18, MS3.0/2, Error ellipse: s-maj=7.2km s-min=4.2km az=8.0

NEIC 22:18:24.22.7.2.0.3, 3.83S:127.38E, h35km, 19km, mb4.9/2, Error ellipse: s-maj=9.2km s-min=9.1km az=4.0

IDC 22:18:24.23.1.7.3, 3.83S:127.43E, h40km, 14km, mb3.9/17, mb1 4.1/21, mb1mx3.8/64, mbtmp4.2/21, ML4.1/3, MS3.2/6, Ms1 3.2/6, ms1mx2.7/58, Error ellipse: s-maj=13.5km s-min=11.0km az=93.0

DJA 22:18:24.24.0.2.3, S2:2.12E, h10km, M4.6/21, M5.6B/27, mb4.7/21, ML4.5/20, MM(MB)4.6/7

ISC 22:18:24.24.0.0.4, 3.74S:0.06:127.60E, 0.05, h42km, n63, s238/62, mb4.2/18, 0.06

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the second section.

1074

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the third section.

ISC 22:18:26:06.9, 39.33N:38.23E, h5km, ML2.0/9, ISCJB 22:18:26:07.3, 39.33N:0.04:38.23E, 0.03, h4km, 6km, Error ellipse: s-maj=7.2km s-min=3.6km az=164.9

DDA 22:18:26:07.2, 39.33N:38.24E, h7km, ML2.6, ISC 22:18:26:07.6, 1.0, 39.32N:0.04:38.24E, 0.03, h9km, 9km, n14, s058/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the fourth section.

MAN 22:18:33:10.4, 13.73N:120.32E, h22km, mb3.5, ML2.1, MS1.5, 1C, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the fifth section.

ISCJB 22:18:37:52.1, 0.7, 49.65S:0.10:116.4E, 0.3, h10km, mb3.8/9, MS3.2/4, Error ellipse: s-maj=27.0km s-min=11.3km az=18.7

IDC 22:18:37:52.3, 0.9, 49.61S:116.35E, h0km, mb3.9/9, mb1 4.0/10, mb1mx3.8/50, mbtmp3.9/10, ML2.7/1, MS3.2/4, Ms1 3.2/4, ms1mx2.8/39, Error ellipse: s-maj=37.3km s-min=15.1km az=114.0

ISC 22:18:37:53.8, 0.8, 49.65S:0.10:116.35E, 0.2, h10km, n17, s045/10, mb3.9/9, MS3.2/4, Western Indian Anticline Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists seismic stations for the sixth section.

Table of satellite data for the 22-day period, including station names, coordinates, and various parameters like pmax and pmax.

Main table of satellite data for August 2012, listing stations like ITBZ, IHRH, IBST, IASH, IAZR, etc., with their coordinates and parameters.

Table of satellite data for the second half of the month, including stations like PET, DALK, DAINY, UGLR, AVH, etc., with their coordinates and parameters.

Summary text at the bottom of the page, including coordinates for AZER, TEH, and ISC, and a table of Code, Station Name, Az, Az', Phase ID, Time, Res, and ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, AAK Ala-Archa, ARU Arti, etc.

MEX 22:20:36:03.6, 0.5, 14:12N-92:31W, h106km, 17km, MD3.7, Near coast of Chiapas

MAN 22:20:46:46.7, 13:38N-120:48E, h12km, mb3.8, ML2.5, MS2.0, 1C, Mindoro

MEX 22:20:57:28.3, 0.5, 16:59N-96:58W, h46km, 33km, MD3.5, Oaxaca

SOME 22:21:02:20.8, 43:48N-84:88E, h10km, NNC 22:21:02:27.4, 4.2, 43:58N-84:50E, h0km, mb2.9, mpv2.5

ISC 22:21:02:18.5, 2.8, 43:48N-01:84.9E, 0.1, h10km, n11, z656/19, 1C-3D, Northern Xinjiang

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

ISC/JB 22:21:07:40.1, 0.5, 43:79N-0:03:105:21W, 0.06, h0km, Error ellipse: s-maj=5.8km s-min=4.8km az=2.9

ISC 22:21:07:41.5, 0.4, 43:82N-105:26W, h0km, MN2.8, Error ellipse: s-maj=6.4km s-min=5.0km az=178.0, Suspected Mining explosion.

NEIC 56 km [35 miles] SSE of Gillette, WYOMING, ISC 22:21:07:40.6, 0.8, 43:80N-0:04:105:19W, 0.03, h0km, n24, z641/37, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZSSD Black Hills, K22A Casper, LAO LASA Array, etc.

ISC/JB 22:21:11:09.0, 0.4, 36:17N-0:02:36:19E, 0.04, h12km, 4km, Error ellipse: s-maj=5.7km s-min=3.6km az=16.9

ISC 22:21:11:09.6, 36:21N-36:18E, h18km, ML2.9/22, DDA 22:21:11:0.5, 36:19N-36:26E, h7km, ML3.3

GII 22:21:11:0.0, 0.0, 36:20N-36:18E, h15km, MD3.0/1, ISC 22:21:11:0.1, 0.9, 36:19N-0:03:36:18E, 0.04, h16km, 7km, n42, z640/53, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YAYL Yayladag, TAHT Tahtakopru-Hat, etc.

ISC 22:21:12:23.1, 1.6, 27:95N-101:31E, h0km, mb3.3/3, mb1 3.6/3, mb1mx3, 1.77, mbtmp3, 4/3, Error ellipse: s-maj=404.1km s-min=29.0km az=55.0, Sichuan

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

ellipse: s-maj=15.9km s-min=7.3km az=18.5
GUC 23 00:04:41.6, 0.6, 30.06S, 71.36W, h58km, 19km, ML3.5
ISC 23 00:04:43.2, 1.9, 30.01S, 0.05S, 71.6W, 0.1, h43km, n13,
az=210/16, 2C-1D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Tololo Observa, Las Campanas, Las Campanas, AMOG MOGNA, ROCHEI, etc.

MEX 23 00:05:39.8, 0.7, 17.99N, 102.09W, h54km, 28km, MD3.9,
Near coast of Michoacan

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

IDC 23 00:17:27.4, 4.5, 20.06S, 178.36W, h51km, 51km, mb3.1/8,
mb1 3.4/9, mb1mx3.149, mbtmp4.0/9, Error ellipse:
s-maj=37.9km s-min=19.7km az=165.0

ISCJB 23 00:17:33.1, 0.8, 20.3S, 0.2, 178.5W, 0.2, h60km, mb3.5/8,
Error ellipse: s-maj=28.1km s-min=15.3km az=147.6

ISC 23 00:17:34.3, 0.9, 20.2S, 0.2, 178.5W, 0.2, h60km, n12,
az=108/14, mb3.5/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, CT, ASAR, WRA, FITZ, NVAR, TXAR, ILAR, PDAR, BVAR, BRTR, MMAI, etc.

ISCJB 23 00:28:15.3, 0.3, 0.13S, 0.04, 122.97E, 0.03, h100km,
mb3.9/11, Error ellipse: s-maj=5.2km s-min=3.7km
az=174.8

IDC 23 00:28:16.7, 2.4, 0.12S, 122.98E, h12km, 20km, mb3.6/11,
mb1 3.8/13, mb1mx3.5/61, mbtmp4.0/13, M2.7/1,
Ms1 2.7/1, Ms1mx2.2/57, Error ellipse: s-maj=24.3km
s-min=12.2km az=75.0

DJA 23 00:28:17.6, 0.2, 0.2, S, 2, 12, 3E, h90km, 5km, M4.5/23,
mb5.1/7, mb4.6/12, M4.6/23, Mw(MB)4.4/7

ISC 23 00:28:15.7, 0.6, 0.16S, 0.05, 122.96E, 0.05, h100km, n40,
+141/50, mb3.9/11, Minahasna Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUWI, MRSI, KMSI, APSI, MPFI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MJAR, USRK, ASAJ, SONM, MKAR, PETK, etc.

MEX 23 00:35:38.8, 0.6, 16.02N, 98.30W, h5km, MD3.6, Near
coast of Guerrero

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

IDC 23 01:03:18.8, 2.0, 23.82S, 179.94W, h495km, 21km,
mb3.6/13, mb1 3.9/14, mb1mx3.5/53, mbtmp4.5/14, Error
ellipse: s-maj=20.6km s-min=16.4km az=164.0

ISCJB 23 01:03:20.2, 0.6, 23.90S, 0.08, 179.9E, 0.1, h518km,
mb4.0/13, Error ellipse: s-maj=15.4km s-min=10.3km
az=6.2

ISC 23 01:03:20.7, 0.7, 24.0S, 0.1, 179.9E, 0.1, h518km, n24,
az=153/23, mb4.0/12, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like URZ, RPZ, CT, ASAR, WRA, JAY, FITZ, KRSR, USRK, NVAR, CMAR, TXAR, PDAR, KURB, BVAR, FINE, HFS, AKAS, ASF, BRTR, MMAI, EKA, MLR, etc.

ATH 23 01:31:48.8, 4.0, 42N, 26.08E, h27km, 4km, ML1.4/3, Error
ellipse: s-maj=5.8km s-min=1.1km az=315.0

ISC 23 01:31:48.7, 4.0, 42N, 26.12E, h14km, ML1.7/6

ISCJB 23 01:31:49.0, 0.3, 40.42N, 0.02, 26.12E, 0.03, h9km, 4km,
Error ellipse: s-maj=3.9km s-min=3.3km az=145.5

DDA 23 01:31:49.0, 0.4, 41N, 26.18E, h7km, M2.5

ISC 23 01:31:48.9, 0.9, 40.42N, 0.02, 26.12E, 0.02, h16km, 8km,
n25, +0932/38, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GELI, GADA, GENEZ, ERK, SMTH, ALN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STEP, WRA, ASAR, NVAR, ILAR, TXAR, PDAR, BRTR, MMAI, GERES, etc.

MEX 23 01:48:57.2, 0.9, 16.28N, 98.69W, h3km, MD3.8, Near
coast of Guerrero

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

ATH 23 02:16:46.0, 36.59N, 26.81E, h91km, 12km, ML2.7/7, Error
ellipse: s-maj=12.9km s-min=2.8km az=102.0

ISK 23 02:16:47.5, 36.58N, 26.86E, h105km, 5km, ML2.0/10

DDA 23 02:16:57.3, 37.09N, 27.57E, h7km, M2.6, Suspected
Mining explosion.

ISC 23 02:16:47.1, 1.1, 36.59N, 0.05, 26.86E, 0.04, h116km, 13km,
n34, +108/42, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BODT, DAT, MLBS, KARP, ARG, SMG, SANT, APE, YER, TUR, DALY, ZKR, AYBD, NPS, NPS, NPS, URLA, BLCB, LAST, etc.

SOME 23 02:30:21.2, 40.63N, 72.47E, h10km

KRNET 23 02:30:23.3, 0.1, 40.64N, 72.54E, h23km, mb2.2

NINC 23 02:30:23.5, 5.3, 40.71N, 72.17E, h0km, 51km, mb2.7,
mpv2.4, Error ellipse: s-maj=56.2km s-min=28.9km
az=30.0

ISC 23 02:30:21.9, 1.4, 40.61N, 0.05, 72.43E, 0.05, h4km, 12km,
n12, +073/23, 18C-3D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARSB, SFK, ARK, ARK, MMAI, MNAS, MNAS, MRKS, etc.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like H1N13 WAKE ISLAND Hy 42.42 82 T, KURBB Kurchatov Arra 87.17 323 P, YKA Yellowknife Arr 46.13 23 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like MEX 23 03:42:39.3,0.6,18,04UM:103,28W,h9km,4km,MD3.9,1C, Near coast of Michoacan.

ISC/JB 23 04:02:14.6,0.3,4.57S:0.03:136.81E:0.03,h33km, mb4.4/12,MS3.6/4, Error ellipse: s-maj=4.7km s-min=4.0km az=14.8

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like WAMI Wamena 2.08 69 P, BAKI Biak 3.48 349 P, GENI Genyem 3.95 59 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr 15.40 189 eP, WRA Warramunga Arr 15.40 189 eP, WRA Warramunga Arr 15.40 189 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EDFI Ende Flores 15.52 254 P, FITZ Fitzroy Crossi 17.25 218 eP, FITZ Fitzroy Crossi 17.25 218 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like FITZ Fitzroy Crossi 17.25 218 eP, FITZ Fitzroy Crossi 17.25 218 eP, FITZ Fitzroy Crossi 17.25 218 eP.

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Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like FITZ Fitzroy Crossi 17.25 218 eP, FITZ Fitzroy Crossi 17.25 218 eP, FITZ Fitzroy Crossi 17.25 218 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

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Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P, EPOS Posof 0.42 230 P.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res. Includes stations like BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP, BKI Bering 0.95 119 eP.

ISC 23 05:13:30.2:13.0,7.11S:129.16E,h168km,151km, mb2.6/1,mb1.3/0.4,mb1mx2/9.56,mbtmp3.4/4,ML3.3/3, Error ellipse: s-maj=11.8km s-min=54.3km az=37.0, Banda Sea

ISC 23 05:22:26.8:1.4,55.67N:164.61E,h68km,27km,ML4.4 IDC 23 05:22:26.9:0.9,55.73N:164.48E,h0km,mb3.6/3, mb1.3/1.7,mb1mx2/5.83,mbtmp3.6/9,ML2.9/1,MS3.0/7, Ms1.3/1.7,ms1mx2/6.73, Error ellipse: s-maj=46.4km s-min=15.6km az=156.0

ISC/JB 23 05:22:28.0:7.0,55.59N:164.48E:0.04,h21km,6km, mb3.6/9,MS3.2/5, Error ellipse: s-maj=5.15km s-min=4.1km az=20.8

MOS 23 05:22:29.5:1.0,55.62N:164.52E,h40km,mb4.3/3, Error ellipse: s-maj=7.8km s-min=6.6km az=147.7

TXAR Lajitas Array 67.30 71 P P 05 33 23.0 +0.3

ISCJB 23 05:39:20.2±3.8, 17.38S±178.46W, h0km, mb3.8/4, mb1 4.1/4, mb1mx3.7/49, mbtmp3.8/4, Error ellipse: s-maj=267.9km s-min=30.5km az=153.0, Fiji Islands region

ISCJB 23 05:39:40.6±0.3, 32.54N±0.02-115.60W±0.02, h24km, 3km, Error ellipse: s-maj=3.6km s-min=2.8km az=12.8

ISCJB 23 05:39:41.8±0.0, 32.51N±115.64W, h3km, MD2.8(E/CX), ML2.5(PAS), After ECX, ECX 23 05:39:41.8±0.0, 32.51N±115.64W, h3km, MD2.6, ML2.8, MEX 23 05:39:42.8±1.0, 32.45N±115.54W, h16km, 44km, MD3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like ERPC, WESC, CPBX, YUH, COK, MBIG, etc.

ISCJB 23 06:14:41.1±0.8, 24.31N±0.08-141.3E±0.1, h200km, mb3.8/11, Error ellipse: s-maj=18.9km s-min=8.9km az=22.5

ISCJB 23 06:14:42.0±2.1, 24.19N±141.34E, h199km, 19km, mb3.7/11, mb1 3.8/12, mb1mx3.4/72, mbtmp4.2/12, MS3.7/1, Ms1 3.7/1, ms1mx2.3/66, Error ellipse: s-maj=18.7km s-min=16.4km az=101.0

JMA 23 06:14:44.8±0.2, 24.59N±140.39E, h122km, M4.6, ISC 23 06:14:42.4±0.9, 24.33N±0.11-141.4E±0.2, h200km, n20, h±12.23, mb3.8/11, Volcano Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JHHJ, CBJJ, CJJ, etc.

Table with columns: JRY, KSRS, WRA, ZALV, ZALV, MKAR, DZM, KURBB, BVAR, ILAR, INK, YKA, ARCS, FINES, NVAR. Lists stations and their coordinates.

ISC 23 06:15:00.3±0.3, 30.36S±138.36E, h0km, mb1 3.2/3, mb1mx3.1/47, mbtmp3.0/3, ML2.6/3, Error ellipse: s-maj=87.9km s-min=16.5km az=142.0, South Australia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like STKA, ASAR, ASAR, WRA.

ISC 23 06:26:59.3±29.0, 48.27N±154.88E, h99km, 159km, mb3.0/4, mb1 3.2/5, mb1mx3.0/77, mbtmp3.4/5, ML2.4/1, Error ellipse: s-maj=367.1km s-min=26.4km az=170.0

MOS 23 06:27:10.1±1.8, 49.28N±155.47E, h161km, mb4.4/1, Error ellipse: s-maj=39.8km s-min=7.1km az=73.0

KRSC 23 06:27:10.2±1.5, 49.28N±155.47E, h160km, 14km, ML4.3, ISC 23 06:27:09.5±1.7, 49.3N±0.2-155.0E±0.2, h150km, n38, h±148.50, mb3.1/4, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SKR, PAU, KDR, ASAK, etc.

ISC 23 06:32:22.5±2.8, 12.20N±141.25E, h130km, 30km, mb3.8/8, mb1 3.9/9, mb1mx3.5/62, mbtmp4.2/9, MS3.0/2, Ms1 3.0/2, ms1mx2.3/61, Error ellipse: s-maj=25.9km s-min=16.6km az=86.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GUMO, WRA, ASAR, MKAR, ZALV, KURBB, BVAR, ATD, LPAZ.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like IDC, JAY, JAY, WRA, FITZ, ASAR, ASAR, PALK, MKAR, LPAZ.

ISC 23 06:49:18.3±0.8, 22.54S±176.18W, h0km, mb4.2/11, mb1 4.5/14, mb1mx4.2/55, mbtmp4.4/14, ML4.7/3, MS3.1/6, Ms1 3.2/6, ms1mx2.8/46, Error ellipse: s-maj=26.2km s-min=16.8km az=133.0

ISCJB 23 06:49:22.3±2.9, 22.53S±176.19W, h27km, 21km, mb4.4/2, Error ellipse: s-maj=15.0km s-min=8.5km az=122.0

ISCJB 23 06:49:26.0±0.7, 22.82S±0.07-176.3W±0.1, h71km, mb4.2/13, Error ellipse: s-maj=17.8km s-min=9.2km az=11.0

ISC 23 06:49:27.5±0.7, 22.77S±0.09-176.2W±0.2, h71km, n24, h±087.19, mb4.2/13, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like RAO, AFI, AFI, URZ, URZ, RPZ, PPT, CTA, CTA, STKA, STKA, WRAB, WRA, FITZ, VANDA, VANDA, CASY, MAW, YBH, NVAR, MA2, TXAR, SEY, ILAR, AKAS.

GUC 23 05:03:59.0±0.6, 35.20S±70.97W, h106km, 9km, ML3.6, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GO05, ANTU, CCHI, CLCH, CLCH, FCH, PEL, PEL, ROCH, ROCH, ROCH.

ISCJB 23 07:03:52.8±0.4, 39.64N±0.02-29.42E±0.03, h0km, Error ellipse: s-maj=4.1km s-min=3.0km az=25.7

DDA 23 07:03:52.6, 39.66N±29.42E, h7km, ML2.5, Suspected Mining explosion, ISC 23 07:03:52.5±0.8, 39.59N±29.47E, h8km, ML2.0/12, ISC 23 07:03:52.5±0.8, 39.59N±0.02-29.45E±0.03, h0km, n22, h±0.40/31, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GDZ, GDZ, SIMAV, CAVI, DURS, DEMI, DEMI, BORA, BORA, GEMT, YLV, ESKT, ESKT, SBTS, GULB, GULB, KHAL, KHAL, KULA, BUY, MANT.

Table with columns: MANT, KAVV, SILT, KLYT, SBT3, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters.

SOME 23 07:18:59.9, 42.70N, 75.67E, h5km, NNC 23 07:18:59.7, 0.42, 68N, 75.68E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=3.9km s-min=3.1km az=135.0

Main table for station data, including columns for Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like KTRM, KST, KBK, ULHL, DGS, etc.

ILAR 23 07:24:49.5, 1.4, 11.42N, 142.63E, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.4/63, mbtmp3.9/3, Error ellipse: s-maj=86.7km s-min=29.0km az=100.0, South of Mariana Islands

Table for station data under the heading 'MEX 23 07:25:33.0, 0.5, 16.99N x 100.11W, h3km, MD3.8, Near coast of Guerrero'.

Table for station data under the heading 'MEX 23 07:25:33.0, 0.5, 16.99N x 100.11W, h3km, MD3.8, Near coast of Guerrero'.

Table with columns: ZLIG, ZLIG, ZLIG, PLIG, TLIG, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters.

KRSC 23 07:30:48.4, 0.9, 51.03N, 158.47E, h41km, 13km, ML3.6, Near east coast of Kamchatka Peninsula

Table for station data under the heading 'KRSC 23 07:30:48.4, 0.9, 51.03N, 158.47E, h41km, 13km, ML3.6, Near east coast of Kamchatka Peninsula'.

IDC 23 07:34:08.0, 1.5, 4.92S, 143.69E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.7/48, mbtmp3.9/7, ML4.0/1, Error ellipse: s-maj=38.0km s-min=23.2km az=103.0

Table for station data under the heading 'IDC 23 07:34:08.0, 1.5, 4.92S, 143.69E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.7/48, mbtmp3.9/7, ML4.0/1, Error ellipse: s-maj=38.0km s-min=23.2km az=103.0'.

IDC 23 07:42:44.6, 3.2, 54.10N, 87.34E, h0km, mb1 2.9/2, mb1mx2.7/78, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=29.3km s-min=18.1km az=53.0, Southwestern Siberia

Table for station data under the heading 'IDC 23 07:42:44.6, 3.2, 54.10N, 87.34E, h0km, mb1 2.9/2, mb1mx2.7/78, mbtmp2.9/2, ML2.6/2, Error ellipse: s-maj=29.3km s-min=18.1km az=53.0, Southwestern Siberia'.

IDC 23 07:56:03.1, 1.1, 45.43N, 27.41E, h0km, mb3.8/1, mb1 3.6/4, mb1mx3.2/66, mbtmp3.6/4, ML3.1/3, Error ellipse: s-maj=13.0km s-min=9.2km az=163.0

Table for station data under the heading 'IDC 23 07:56:03.1, 1.1, 45.43N, 27.41E, h0km, mb3.8/1, mb1 3.6/4, mb1mx3.2/66, mbtmp3.6/4, ML3.1/3, Error ellipse: s-maj=13.0km s-min=9.2km az=163.0'.

MEX 23 07:59:56.1, 0.3, 16.78N x 100.13W, h2km, MD3.8, Near coast of Guerrero

Table for station data under the heading 'MEX 23 07:59:56.1, 0.3, 16.78N x 100.13W, h2km, MD3.8, Near coast of Guerrero'.

KRAR 23 08:21:25.0, 0.2, 53.82N, 90.98E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22dp + CD-ROM, 2014)

Table for station data under the heading 'KRAR 23 08:21:25.0, 0.2, 53.82N, 90.98E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22dp + CD-ROM, 2014)'.

Large table for station data, including columns for Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like LEOM, LEOM, LEOM, TIRR, TIRR, TIRR, etc.

MEX 23 07:59:56.1, 0.3, 16.78N x 100.13W, h2km, MD3.8, Near coast of Guerrero

Table for station data under the heading 'MEX 23 07:59:56.1, 0.3, 16.78N x 100.13W, h2km, MD3.8, Near coast of Guerrero'.

ISCJB 23 08:18:29.6, 0.9, 31.24N, 0.05, 140.7E, 0.1, h10km, mb3.7/3, Error ellipse: s-maj=16.7km s-min=7.0km az=172.9

Table for station data under the heading 'ISCJB 23 08:18:29.6, 0.9, 31.24N, 0.05, 140.7E, 0.1, h10km, mb3.7/3, Error ellipse: s-maj=16.7km s-min=7.0km az=172.9'.

JMA 23 08:18:31.1, 0.2, 31.23N, 140.77E, h8km, M3.3, ISC 23 08:18:31.4, 1.2, 31.23N, 140.77E, 0.1, h10km, n17, az=144/19, mb3.3/3, Southeast of Honshu

Table for station data under the heading 'JMA 23 08:18:31.1, 0.2, 31.23N, 140.77E, h8km, M3.3, ISC 23 08:18:31.4, 1.2, 31.23N, 140.77E, 0.1, h10km, n17, az=144/19, mb3.3/3, Southeast of Honshu'.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PV13 Radium Mtn., PV02 Paradox Valley, PV01 Paradox Valley, etc.

ISK 23 08:48:35.4, 37.27N, 28.23E, h5km, ML2.0/6
ISCJB 23 08:48:36.5, 0.5, 37.24N, 0.03, 28.23E, 0.03, h0km, Error ellipse: s-maj=4.6km s-min=3.5km az=22.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YER Yerkesik, ML5B Milas, etc.

ISC 23 08:52:47.8, 2.9, 54.04N, 87.29E, h0km, mb1.8/2, mb1mx2.7/83, mbtmtp2.8/2, ML2.5/2, Error ellipse: s-maj=25.9km s-min=17.7km az=56.0, Southwestern Siberia

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

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

IDC 23 09:07:47.0, 53.7, 0.50771N, 113.44E, h0km, Error ellipse: s-maj=194.4km s-min=111.6km az=62.0, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like I34MN SONGINO INFRAS, I45RU USSURIYK INFR, etc.

MEX 23 09:21:49.5, 0.8, 14.95N, 93.47W, h0km, 98km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG Severo-Kuril's, PAU Pauzhetka, etc.

KRSC 23 09:37:49.0, 1.0, 49.09N, 156.28E, h6km, 14km, ML3.8, Kuril Islands

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

IDC 23 10:24:02.4, 1.6, 17.45S, 178.69W, h564km, 43km, mb3.3/6, mb1.3, 5.7, mb1mx3.0/56, mbtmtp4.3/7, Error ellipse: s-maj=104.0km s-min=21.4km az=145.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, CTA Charters Tower, etc.

MEX 23 10:38:36.7, 0.4, 16.20N, 98.46W, h18km, MD3.7, Near coast of Guerrero

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

ISCJB 23 10:54:51.6, 0.4, 17.51S, 0.07, 178.68W, 0.07, h550km, mb4.6/30, Error ellipse: s-maj=10.4km s-min=8.0km az=149.7

IDC 23 10:54:51.2, 1.2, 17.45S, 178.66W, h526km, 14km, mb3.9/10, mb1.4, 0.12, mb1mx3.4/55, mbtmtp4.8/12, Error ellipse: s-maj=14.3km s-min=12.4km az=115.0

NEIC 23 10:54:51.5, 0.8, 17.45S, 178.69W, h534km, 9km, mb4.7/19, Error ellipse: s-maj=9.5km s-min=7.8km az=135.0

BUI 23 10:54:58.8, 1.7, 19.0S, 179.40W, h58km, mb4.8/8, mb5.0/4, ISC 23 10:54:59.7, 0.5, 17.45S, 0.09, 178.52W, 0.08, h550km, mb0, <181/63, mb4.6/33, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, DZM Mont Dzumac, etc.

ISC 23 10:54:58.8, 1.7, 19.0S, 179.40W, h58km, mb4.8/8, mb5.0/4, ISC 23 10:54:59.7, 0.5, 17.45S, 0.09, 178.52W, 0.08, h550km, mb0, <181/63, mb4.6/33, 1D, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AFI Afiamalu, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASO1 Alice Springs, etc.

IDC 23 10:55:15.2, 5.5, 54.66N, 83.48E, h0km, mb1.2/6.2, mb1mx2.5/79, mbtmtp2.6/2, ML2.2, Error ellipse: s-maj=20.7km s-min=11.9km az=166.0, Southwestern Siberia

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

NIED 23 11:04:00.43, 40N, 147.00E, h56km, Mw4.3, Best double couple: M1=3.46000, 10.15, NP1=1.79, 00000, 8.42, 00000, 1.38, 00000, NP2=5.9, 00000, 8.65, 00000, 1.26, 00000

ISCJB 23 11:04:47.5, 0.4, 43.53N, 0.03, 147.09E, 0.03, h64km, 3km, mb4.5/125, Error ellipse: s-maj=5.7km s-min=3.2km az=155.0

BUI 23 11:04:47.7, 43.57N, 147.00E, h59km, mb4.6/18, mb5.0/13, Ms4.4, Ms7.4/3.5

MOS 23 11:04:47.2, 0.8, 43.56N, 147.14E, h62km, mb4.9/45, Error ellipse: s-maj=7.9km s-min=5.1km az=111.8

MOS Feil(III-IV) at Malokuril'skoye, (III-IV) at Malokuril'sk. NEIC 23 11:04:48.9, 0.4, 43.56N, 147.10E, h61km, 3km, mb4.4/79, Error ellipse: s-maj=4.5km s-min=2.6km az=164.0

NEIC Recorded [2 JMA] in eastern Hokkaido. IDC 23 11:04:48.2, 0.7, 43.55N, 147.14E, h57km, 6km, mb4.2/28, mb1.4/33, mb1mx4.1/77, mbtmtp4.4/33, MS3.3/30, Ms1.3/30, ms1mx3.1/72, Error ellipse: s-maj=14.3km s-min=10.3km az=162.0

SKHL 23 11:04:48.9, 0.1, 43.57N, 147.11E, h68km, 1km, mb5.6/3, Ms3.9/4

SKHL Feil(III-IV) at Yushno-Kuril'sk; (III-IV) at Malokuril'sk. JMA 23 11:04:48.1, 0.2, 43.38N, 147.05E, h51km, 4km, M4.2, Ms3.1/1.1

ISC 23 11:04:48.1, 0.5, 43.57N, 0.04, 147.10E, 0.04, h56km, 3km, h55km, pp-P, n354, m195/384, mb4.4/125, MS3.5/28, 26C-11D, Kuril Islands

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

Table with columns for station name, time, and status. Includes stations like NEM2 Nemuro 2, YUK Yuzh-Kuril'sk, GRPR Tuman, LAGR Lagunnoye, GLVR Golovnino, JRA Rausu, and ASAJ Asahikawa.

Table with columns for station name, time, and status. Includes stations like YSS comp=E,130nm,0.9s, YSS comp=E,140nm,0.9s, YSS comp=E,200nm,16.0s, and others.

Table with columns for station name, time, and status. Includes stations like LZH comp=Z,450nm,13.5s, LZH comp=Z,350nm,13.8s, IM3 Indian Mountain, and others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like KSH Kashi, DANN Dangising, KOLN Koldanda, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like NC405 NORSAR Array S, NC401 NORSAR Array S, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other parameters. Includes stations like GERS, GEAO, GERS Array S, etc.

NIED 23 11:48:00, 33:80N, 141:50E, h8km, Mw3.8 Best double couple: M5.08000:1014 NP1.3e219.00000, s43.00000, l133.00000. NP2.0e348.00000, s60.00000, l58.00000. IDC 23 11:48:40.6, 1.0, 33:71N, 141:71E, h0km, mb3.9/10, mb1 4.0/12, mb1mx3.777, mbtmp3.9/12, ML3.7/2, MS2.6/3, Ms1 2.6/3, ms1mx2.3/68, Error ellipse: s-maj=22.6km s-min=16.3km az=89.0

ISCJB 23 11:48:42.0, 0.7, 33:76N, 0:05, 141:79E, 0:08, h24km, mb3.9/10, MS2.4/2, Error ellipse: s-maj=9.3km s-min=7.1km az=168.5

JMA 23 11:48:45.0, 5.5, 33:82N, 141:54E, h40km, M3.5 ISC 23 11:48:44.0, 0.9, 33:76N, 0:06, 141:7E, 0:11, h24km, n27, c094/25, mb3.9/10, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BOSO1, BOSO3, BOSO3, BOSO4, JHU2, JHU2, HACHIOJIMA 2, JHU, JHM, JMKM, JAOM, JIM2, JOD2, MJAR, MJAR, ASAHIKAWA, GUMO, H1N12, H1N11, H1N13, MA2, CMAR, MKAR, KURBB, ILAR, BVAR, FITZ, WRA, ASAR, AKASG.

SOME 23 11:49:48.0, 44:33N, 82:85E, h5km NNC 23 11:49:52.3, 0.4, 44:33N, 82:75E, h0km, mb2.5, mpv2.1, Error ellipse: s-maj=37.6km s-min=9.5km az=119.0

ISC 23 11:49:46.8, 2.7, 44:45N, 0:08, 82:9E, 0:11, h1km, 16km, n8, c1503/14, 4C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KTMS, KTMS, DJR, DJR, MK31, MAKZ, MAKZ, KAPS, PDGK, PDGK, SHLS, SHLS, KPKS, KPKS.

SOME 23 11:51:29.7, 44:40N, 81:33E, h15km NNC 23 11:51:30.2, 4.2, 44:32N, 81:48E, h0km, mb2.6, mpv2.2, Error ellipse: s-maj=78.3km s-min=12.1km az=126.0

ISC 23 11:51:26.7, 1.7, 44:29N, 0:05, 81:7E, 0:08, h18km, 12km, n10, c121/18, 3C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KTMS, KTMS, DJR, DJR, PDGK, PDGK, SHLS, SHLS, KPKS, KPKS, MAKZ, MAKZ, MK31, MK31, ARXS, ARXS.

SOME 23 11:56:53.2, 44:75N, 82:00E, h15km

NNC 23 11:56:54.0, 1.1, 44:76N, 82:09E, h0km, mb3.7, mpv3.2, Error ellipse: s-maj=17.6km s-min=2.6km az=116.0

ISC 23 11:56:49.8, 1.7, 44:71N, 0:05, 82:27E, 0:07, h3km, 14km, n22, c115/14, 5C-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like DJR, DJR, KTMS, KTMS, MK31, MK31, MAKZ, MAKZ, KAPS, KAPS, PDGK, PDGK, PDGK, PDGK, SHLS, SHLS, TDK, TDK, UZB, UZB, MNBS, MNBS, KPKS, KPKS, ZHN, ZHN, KURS, KURS, ARXS, ARXS, SATY, SATY, CHKY, CHKY, CHKK, CHKK, KOTS, KOTS, MDOK, MDOK, KTBS, KTBS, TNSS, TNSS, KUU, KUU, DGS, DGS.

MAN 23 12:03:20.3, 15:24N, 122:13E, h11km, mb4.5, ML3.4, MS3.2, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BALP, BALP, PCPH, PCPH, CAUP, CAUP, APYP, APYP.

ISCJB 23 12:04:32.0, 6.0, 19:2S, 0:1, 177:6W, 0:1, h570km, mb3.6/10, Error ellipse: s-maj=20.2km s-min=9.1km az=143.4

IDC 23 12:04:32.5, 1.4, 19:14S, 177:59W, h551km, 17km, mb3.1/10, mb1 3.4/12, mb1mx3.1/56, mbtmp4.1/12, Error ellipse: s-maj=18.7km s-min=13.0km az=138.0

ISC 23 12:04:33.0, 6.0, 19:1S, 0:1, 177:6W, 0:1, h570km, n16, c1504/20, mb3.7/10, Fijil Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like AFI, AFI, URZ, URZ, CTA, CTA, STKA, STKA, WRA, WRA, ASAR, ASAR, ASAR, ASAR, VDA, VDA, QSPA, QSPA, TXAR, TXAR, ILAR, ILAR, CMAR, CMAR, ARCS, ARCS, BRTR, BRTR, MMAL, MMAL, GERES, GERES.

ISCJB 23 12:32:11.8, 0.9, 43:19N, 0:05, 145:79E, 0:05, h46km, 8km, Error ellipse: s-maj=10.0km s-min=4.8km az=148.0

JMA 23 12:32:12.0, 0.0, 43:15N, 145:77E, h47km, 1km, M2.8 SKHL 23 12:32:12.0, 0.0, 43:17N, 145:67E, h51km, 7km, mb4.4/5

ISC 23 12:32:11.8, 1.9, 43:13N, 0:06, 145:82E, 0:05, h3km, 4km, n13, c110/26, Hokkaido region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NEM2, NEM2, GLVR, GLVR, GLVR, GLVR, GLVR, GLVR, JAK, JAK, GRPR, GRPR, GRPR, GRPR, YUK, YUK, YUK, YUK, YUK, YUK, LAGR, LAGR, LAGR, LAGR, LAGR, LAGR, JNK, JNK, JRA, JRA, JRA, JRA, SHO, SHO, SHO, SHO, JOB, JOB, JAR, JAR, JTRK, JTRK, JTRK, JTRK, KUR, KUR, KUR, KUR.

SOME 23 12:36:22.1, 42:30N, 81:47E, h5km NNC 23 12:36:23.0, 2.2, 42:11N, 81:49E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=16.5km s-min=8.2km az=162.0

ISC 23 12:36:24.0, 3.5, 42:1N, 0:1, 81:26E, 0:08, h11km, 16km, n10, c130/21, 4C-6D, Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like KTMS, KTMS, SHLS, SHLS, PDGK, PDGK, PDGK, PDGK, UZB, UZB, UZB, UZB, KPKS, KPKS, DJR, DJR, DJR, DJR, KURS, KURS, KURS, KURS, KAPS, KAPS, MAKZ, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MK31, MK31, MK31.

ISCJB 23 12:37:38.2, 1.3, 43:09N, 0:06, 146:16E, 0:06, h25km, 7km, Error ellipse: s-maj=11.1km s-min=5.4km az=154.8

JMA 23 12:37:38.1, 0.2, 43:04N, 146:19E, h36km, 2km, M2.6 SKHL 23 12:37:39.1, 0.7, 43:07N, 146:10E, h33km, 1km, mb3.9/4

ISC 23 12:37:36.2, 2.1, 43:05N, 0:08, 146:09E, 0:05, h9km, 11km, n12, c077/23, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like NEM2, NEM2, GLVR, GLVR, GLVR, GLVR, GLVR, GLVR, NEM2, NEM2, GLVR, GLVR, GRPR, GRPR, GRPR, GRPR.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SHO, YUK, JAK, LAGR, JRA, etc.

KRSC 23 12:47:40.1±1.1, 52.55N, 160.73E, h22km, 14km, ML3.8,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SPN, NLC, DALK, UGLR, etc.

SJA 23 12:49:09.1±0.2, 32.42S, 64.68W, h23km, 2km, ML3.5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ASTB, HJA, AZAP, etc.

IDC 23 12:55:47.6±2.6, 16.02S, 173.54W, h0km, mb3.5/5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AFI, WRA, ASAR, etc.

ISC/JB 23 13:11:52.0±0.7, 8.14S, 0.07:74.43W, h151km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ATAH, NNA, LPAZ, etc.

ISC/JB 23 13:14:30.8±0.5, 25.98S, 0.03:68.69W, h150km,

GUC 23 13:14:31.4±0.7, 26.02S, 68.66W, h143km, 20km, ML4.1,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GO03, FSA, VCA, etc.

IDC 23 13:23:03.5±3.6, 31.3N, 93.39E, h0km, mb3.3/2, mb1 3.6/3,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PSI, CWAR, MKAR, etc.

SOME 23 13:52:08.7±1.1, 41.10N, 93.71E, h0km,

NC 23 13:52:12.0±0.1, 41.30N, 71.13E, h2km, mb2.7,

WRA 23 13:52:12.1±1.7, 41.10N, 93.71E, h0km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARK, IUG, BTX, etc.

MAN 23 14:05:04.2, 6.98N, 126.63E, h30km, mb4.4, ML3.3, MS3.0,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BIFP, DDMP, BUKP, etc.

NNC 23 14:13:50.7±1.1, 44.14N, 74.72E, h1km, 9km, mb3.8,

SOME 23 14:13:53.2±4.1, 12N, 74.80E, h10km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like USP, BTLS, CHMS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like DGS, KUU, TKM2, etc.

IDC 23 14:13:53.3±1.9, 8.19S, 0.08:74.42W, h151km, n10,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like AAA, KNDC, UCH, etc.

SOME 23 14:13:53.3±1.9, 8.19S, 0.08:74.42W, h151km, n10,

WRA 23 14:13:53.3±1.9, 8.19S, 0.08:74.42W, h151km, n10,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ARX, ARS, ARK, etc.

23d 15h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KURBB, KURK, BVAO, BRVK.

ISCJB 23 14:19:39.6i,0.3,47.43N,0.03,147.69E:0.07,h375km, mb3.5/15, Error ellipse: s-maj=7.2km s-min=4.0km az=20.1

MOS 23 14:19:39.6i,0.9,47.52N,147.77E,h376km,mb3.9/6, Error ellipse: s-maj=16.8km s-min=8.4km az=75.4

SKHL 23 14:19:40.2i,0.6,47.21N,147.73E,h376km,30km,mb4.5/8, msh4.3/1

IDC 23 14:19:41.6i,1.5,47.64N,147.55E,h376km,17km, mb3.2/13,mb1.3.4/19,mb1mx3.2/77,mbtmp4.0/19, Error ellipse: s-maj=15.4km s-min=10.6km az=149.0

ISC 23 14:19:40.3i,0.5,47.35N,0.06,147.72E:0.06,h375km,n86, o177/107,mb3.7/15,4C-5D, Northwest of Kuril Islands

Main table for 23d 15h with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Kuril'sk, Yuzh-Sakhalins, Shikotan, Lagunnoye, Yuzh-Kuril'sk, Tuman, etc.

2012 AUG

Main table for 2012 AUG with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GRPR, JRA, GLVR, NEM2, JSE, JTKR, etc.

MAN 23 14:30:20.3, 15.48N, 122.01E, h1km, mb4.6, ML3.4, MS3.3, 1C, Philippine Islands region

Table for MAN 23 14:30:20.3, 15.48N, 122.01E, h1km, mb4.6, ML3.4, MS3.3, 1C, Philippine Islands region. Includes stations like PCPH, CAUP, BOLP, APYP, ABRA, etc.

1090

IDC 23 15:45:28.1i,2.5,20.13S,168.87E,h0km,mb4.0/5, mb1.4/16,mb1mx3.8/45,mbtmp3.9/6,ML3.4/1,MS3.2/2, Ms1.3.2/2,ms1mx2.6/43, Error ellipse: s-maj=52.1km s-min=31.3km az=19.0

ISCJB 23 15:45:32.0i,0.8,20.01S,0.09,168.71E:0.08,h35km, mb4.3/14, Error ellipse: s-maj=12.9km s-min=11.0km az=179.7

NEIC 23 15:45:34.1i,0.8,20.05S,168.70E,h35km,mb4.5/13, Error ellipse: s-maj=17.0km s-min=9.9km az=216.0

ISC 23 15:45:34.5i,1.1,20.25S,0.1,168.85E:0.1,h35km,n25, o157/4,mb4.4/14, Loyalty Islands region

Table for 1090 with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, DZM, HNR, ARMA, URZ, URZ, BKZ, etc.

NDI 23 15:51:31.3i,2.5,26.50N,97.19E,h20km,ML2.8

IDC 23 15:51:31.6i,2.7,26.82N,98.06E,h0km,mb3.3/3, mb1.6/3,mb1mx3.2/77,mbtmp3.3/3, Error ellipse: s-maj=393.1km s-min=27.3km az=57.0

ISC 23 15:51:32.7i,1.2,26.31N,0.08,96.99E:0.09,h10km,n10, o227/15,mb3.4/3, Myanmar region

Table for 1090 with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MOKO, MOKO, KOHI, KOHI, ZIRO, ZIRO, etc.

IDC 23 15:54:45.0i,0.5,58.83S,25.51W,h0km,mb4.6/9, mb1.4/7.10,mb1mx4.3/38,mbtmp4.6/10,ML5.0/1,MS3.5/19, Ms1.3.5/19,ms1mx3.4/37, Error ellipse: s-maj=28.2km s-min=17.6km az=66.0

ISCJB 23 15:54:49.1i,0.4,58.88S,0.07,25.4W:0.2,h35km, mb4.9/30,MS3.5/17, Error ellipse: s-maj=13.9km s-min=7.4km az=145.0

NEIC 23 15:54:50.9i,0.2,58.90S,25.45W,h35km,mb5.2/26, Error ellipse: s-maj=8.1km s-min=5.5km az=59.0

ISC 23 15:54:51.0i,0.5,58.82S,0.09,25.5W:0.1,h35km,n89, o79/4,ms1mx3.4/37,MS3.5/17, South Sandwich Islands region

Table for 1090 with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HOPE, VNA1, VNA3, VNA3, SNA4, SNA4, SNA4, etc.

23d 16h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MAKZ Makanchi, CD2 Chengdu, NANT Nan, PBA LZH, TRD Sadao Pong, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like QIZ QIZ, HHC HHC, SONAO Songino Array, etc.

1092

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like HIA Hailar, KBZ Khabaz, NEY Neytrino, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like AQU, NC201, GRFO, MBAR, SPA0, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SUMG, POLO, MTE, RDE, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like LPAZ, BEO, UPM, BRY, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAJ, USRK, JNU, KSRs, etc.

BUL 17:21:28.1, 8.07Sx119:92E, h416km, mb4.7/37, mb4.6/22
NEIC 17:21:35.8, 0.2, 7.25Sx119:46E, mb4.9/17, Error ellipse:
s-maj=7.1km s-min=4.8km az=62.0

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

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CISI, LEM, KNRA, MTN, SKJI, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YUK2 White River, PTPK Patty Peak, BMRM Bremner River, etc.

SOF 23 17:47:01.2, 45.39N, 24.25E, h2km, MD3.3
BUC 23 17:47:02.4, 0.3, 45.42N, 24.23E, h6km, 2km, MD3.7/6,
Error ellipse: s-maj=3.0km s-min=2.3km az=21.0

Main table for station 1097, listing codes like ARR, LOT, VOIR, MTUR, MDB, etc. with their respective station names and coordinates.

Table for station 2012 AUG, listing codes like VTS, VTS, VTS, etc. with station names and coordinates.

PGC 23 17:59:44.0, 0.1, 64.31N, 134.68W, h1km, ML3.9/9, 231km
east of Dawson, Yt Southern Yukon Territory, Canada

Main table for station 2012 AUG, listing codes like DAWY, DAWY, DAWY, etc. with station names and coordinates.

Table for station 23d 18h, listing codes like YKW3, YKA, YKA, etc. with station names and coordinates.

IDC 23 18:15:05.5, 7.9, 7.47S, 129.30E, h138km, 84km, mb2.8/1,
mb1 3.4/4, mb1mx3.0/52, mbtmp3.3/4, Error ellipse:
s-maj=75.3km s-min=27.1km az=37.0, Banda Sea

Main table for station 23d 18h, listing codes like BATI, WRA, ASAR, MKAR, etc. with station names and coordinates.

IDC 23 18:22:38.2, 2.0, 1.56N, 126.68E, h0km, mb3.6/3,
mb1 3.7/3, mb1mx3.3/59, mbtmp3.6/83, MS3.2/1, Ms1 3.2/1,
ms1mx2.3/43, Error ellipse: s-maj=181.8km
s-min=23.3km az=66.0, Northern Molucca Sea

Main table for station 23d 18h, listing codes like WRA, ASAR, PETK, MKAR, etc. with station names and coordinates.

NIED 23 18:40:00.4, 0.20N, 142.30E, h44km, Mw4.0 Best double
couple: M1 05000-1015 NP1=136.00000, 322.00000,
1.16.00000, NP2=31.00000, 884.00000, 1.11.00000,
ISCJB 23 18:40:51.1, 0.6, 40.22N, 103.142E, 33E, 0.07, h53km, 5km,
mb4.0/11, MS3.3/6, Error ellipse: s-maj=9.4km
s-min=4.8km az=7.9

Main table for station 23d 18h, listing codes like JMA, JMA, JMA, etc. with station names and coordinates.

JMA Felt J1
IDC 23 18:40:52.2, 2.2, 40.17N, 142.19E, h47km, 21km, mb3.7/10,
mb1 3.8/12, mb1mx3.5/73, mbtmp4.0/12, ML3.8/2, MS2.9/11,
Ms1 2.9/11, ms1mx2.7/70, Error ellipse: s-maj=28.8km
s-min=15.6km az=94.0

Main table for station 23d 18h, listing codes like NEIC, NEIC, NEIC, etc. with station names and coordinates.

24d 3h

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

ISCJB 24 02:24:55.1, 0.36, 0.04S:0.04:73.7W:0.1, h10km, mb3.1/1, Error ellipse: s-maj=13.4km s-min=4.9km az=9.2

ISC 24 02:24:56.0, 2.1, 36.30S:74.28W, h0km, mb3.2/2, mb1 3.6/3, mb1mx3.4/4, mbtmp3.3/3, ML3.6/1, Error ellipse: s-maj=81.4km s-min=19.8km az=65.0

ISC 24 02:24:56.9, 1.4, 36.07S:0.04:73.9W:0.1, h10km, n16, c275/23, 1C-10, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CCSP San Pedro de C, CCHI Chillan, TMU Temuco, etc.

ISC 24 02:25:20.2, 8.1, 10.09S:13.49W, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.5/6, mbtmp3.8/4, Error ellipse: s-maj=370.1km s-min=160.7km az=131.0, Ascension Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOWA Kowa, TORD Torodi Ar. Bea, MLR Muntele Rosu, etc.

ISC 24 02:29:58.4, 2.7, 11.00S:12.94W, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.6/6, mbtmp3.9/7, Error ellipse: s-maj=188.1km s-min=28.8km az=103.0, Ascension Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOWA Kowa, TORD Torodi Ar. Bea, KEST Kesra, etc.

ISCJB 24 02:34:23.1, 0.8, 10.9S:0.1:12.9W:0.2, h10km, mb3.9/11, MS4.1/53, Error ellipse: s-maj=24.5km s-min=18.1km az=28.0

ISC 24 02:34:23.3, 1.6, 10.86S:12.95W, h0km, mb3.9/8, mb1 4.1/8, mb1mx3.7/6, mbtmp3.9/8, MS4.1/54, MS1 4.1/54, ms1mx4.0/60, Error ellipse: s-maj=57.3km s-min=23.1km az=94.0

NEIC 24 02:34:25.1, 0.9, 10.92S:12.91W, h10km, mb4.2/1, Error ellipse: s-maj=28.0km s-min=20.0km az=117.0

GCMT 24 02:34:27.1, 0.3, 10.91S:0.03:13.07W:0.02, h14km, 1km, MV4.9/78, Moment Tensor Solution, s19,22; s78,c11; Duration: 0 Moment tensor: Scale 10^19N; Mr=2.69; 22; Mw=0.01; 13; Ms=2.0; 14; Ml=1.5; 4; M=0.8; 0; M=0.1; 25; Best double couple: M3,32000: 1016; NP1: 319.00000; lambda=123.00000; NP2: phi=187.00000; 848.00000; lambda=54.00000; Principal axes: T 2.9770, Plg3.0000; Azm72.0000; N 0.4870, Plg26.0000; Azm340.0000; P -3.4630, Plg64.0000; Azm168.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 02:34:25.2, 0.9, 10.9S:0.2:12.9W:0.2, h10km, n58, c1540/10, mb4.0/11, MS4.1/53, Ascension Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H10S2 ASCENSION HYDR 2.60 319 T, H10S1 ASCENSION HYDR 2.62 319 T, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORD Torodi Ar. Bea, TSUM Tsumi, BDBF Brasilia, etc.

ISC 24 02:49:57.8, 1.2, 7.78S:124.17E, h0km, mb4.0/3, mb1 4.2/7, mb1mx3.7/5, mbtmp3.9/7, ML4.0/4, MS3.3/7, MS1 3.3/7, ms1mx2.9/54, Error ellipse: s-maj=58.6km s-min=17.9km az=78.0

ISCJB 24 02:49:59.0, 0.5, 7.83S:0.06:124.3E:0.1, h26km, mb3.9/4, MS3.5/3, Error ellipse: s-maj=17.3km s-min=6.0km az=154.5

DJA 24 02:50:01.0, 0.4, 8.54:12.4E, h10km, M4.2/6, mb4.8/1, mb4.8/1, MLV4.0/6, Mw(Mw)(Mw)(Mw)0.1

NEIC 24 02:50:02.0, 0.6, 7.83S:124.33E, h35km, mb4.2/1, Error ellipse: s-maj=21.1km s-min=9.1km az=66.0

ISC 24 02:50:01.3, 0.9, 7.88S:0.07:124.5E:0.1, h26km, n23, c243/43, mb4.1/4, MS3.4/3, Banda Sea

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

ISC 24 02:49:57.8, 1.2, 7.78S:124.17E, h0km, mb4.0/3, mb1 4.2/7, mb1mx3.7/5, mbtmp3.9/7, ML4.0/4, MS3.3/7, MS1 3.3/7, ms1mx2.9/54, Error ellipse: s-maj=58.6km s-min=17.9km az=78.0

ISCJB 24 02:49:59.0, 0.5, 7.83S:0.06:124.3E:0.1, h26km, mb3.9/4, MS3.5/3, Error ellipse: s-maj=17.3km s-min=6.0km az=154.5

DJA 24 02:50:01.0, 0.4, 8.54:12.4E, h10km, M4.2/6, mb4.8/1, mb4.8/1, MLV4.0/6, Mw(Mw)(Mw)(Mw)0.1

NEIC 24 02:50:02.0, 0.6, 7.83S:124.33E, h35km, mb4.2/1, Error ellipse: s-maj=21.1km s-min=9.1km az=66.0

ISC 24 02:50:01.3, 0.9, 7.88S:0.07:124.5E:0.1, h26km, n23, c243/43, mb4.1/4, MS3.4/3, Banda Sea

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

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

ISC 24 03:09:55.2, 0.8, 36.30N:21.93E, h0km, mb4.0/17, mb1 4.0/22, mb1mx3.9/75, mbtmp3.9/22, ML3.4/5, MS3.3/5, MS1 3.3/5, ms1mx2.8/76, Error ellipse: s-maj=17.9km s-min=13.1km az=160.0

ATH 24 03:09:56.2, 36.30N:21.66E, h12km, 2km, ML3.8/6, Error ellipse: s-maj=3.7km s-min=1.2km az=51.0

NEIC 24 03:09:57.2, 0.5, 36.35N:21.83E, h10km, mb4.1/1, ML4.1(1THE), Error ellipse: s-maj=10.8km s-min=7.2km az=2.0

MOS 24 03:09:58.0, 1.3, 36.29N:21.81E, h25km, mb4.2/16, Error ellipse: s-maj=9.8km s-min=5.7km az=64.6

THE 24 03:09:58.2, 36.36N:21.81E, h0km, 1km, ML3.7/9, Error ellipse: s-maj=1.2km s-min=0.4km az=206.0

ISC 24 03:09:57.3, 1.0, 36.34N:0.03:21.75E:0.03, h11km, 6km, n172, c1975/583, mb4.0/24, MS3.2/5, 10C-6D, Southern Greece

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PYL PYLOS, DYR Agios Nikonas, DYR Agios Nikonas, etc.

VAE	Valguarnera	5.99 283	Pn	Pn	03 11 28.1 +2.2
VAE	comp=E,1.0nm,0.3s,baz=35,slow=1.4,SNR=29				
VAE					03 12 41.2 +6.8
DRME	Dracevica, Mon	6.17 302	eP	Pn	03 11 27.6 -0.6
VTS	Vitosh	6.34 101j	P	Pn	03 11 34.4 +3.7
VTS	Vitosh	6.34 10	P	Pn	03 11 34.7 +4.0
PDG	Podgorica	6.38 343j	P	Pn	03 11 31.0 -0.1
PDG	Podgorica	6.38 343	ePn	Pn	03 11 31.5 +0.4
TREB	Herceg Novi	6.60 339	ePn	Pn	03 11 31.5 -2.6
TREB	Trabrine	6.89 339	ePn	Pn	03 11 36.8 -1.3
BRY	Bratogost	7.00 340	ePn	Pn	03 11 38.7 -1.1
ISP	Isparta	7.16 75	iP	Pn	03 11 43.9 +1.9
MPEP	Malio Peshtene	7.17 12	P	Pn	03 11 36.5 -5.5
UPM	Unac-Piva	7.19 343	ePn	Pn	03 11 43.3 +0.8
STON	Ston	7.23 336	ePn	Pn	03 11 42.0 -0.8
STON	Ston	7.23 336	ePn	Pn	03 11 00.9 -4.0
STON	Ston	7.23 336	ePn	Pn	03 11 41.4 -1.4
BBLs	Lazići	7.73 347	ePn	Pn	03 11 48.7 -1.0
DIVS	Divibare	7.86 351	ePn	Pn	03 11 50.5 -1.1
HAPS	Han Pijesak, BI	8.03 345	ePn	Pn	03 11 52.8 -1.0
MDOVR	Moldovita	8.43 360j	ePn	Pn	03 12 02.9 +3.6
HERR	Herceulane	8.54 3j	iP	Pn	03 11 53.5 -7.3
AQU	L'Aquila	8.82 315	ePn	Pn	03 12 07.6 +2.9
FRGS	Fruska Gora	8.93 351	ePn	Pn	03 12 04.3 -1.8
BLY	Banja Luka	9.09 339j	iP	Pn	03 12 08.8 +0.6
BLY	Banja Luka	9.09 339	ePn	Pn	03 12 09.6 +1.4
BZS	Buzias	9.27 359j	iP	Pn	03 12 18.6 +1.5
VOIR	Voiron	9.42 14j	P	Pn	03 12 15.0 +2.1
MLR	Muntele Rosu	9.67 18	iP	Pn	03 12 19.7 +3.3
MLR	Muntele Rosu	9.67 18j	iP	Pn	03 12 18.3 +1.9
MLR	Novajla	9.74 330	ePn	Pn	03 12 18.6 +1.5
NVLJ	Novlj	9.76 67	Pn	Pn	03 14 00.6 -5.8
BRTR	Keskin Array B	9.96 67	Pn	Pn	03 12 21.4 +0.9
KEST	Kesra	10.07 270	LR	LR	03 16 40.1
MORH	M'zir, Hung	10.14 348	ePn	Pn	03 12 18.3 -4.3
VRI	Vrincioia	10.22 20j	iP	Pn	03 12 29.6 +5.7
ZAG	Zagreb	10.42 337	ePn	Pn	03 12 37.1 +1.1
CHES	Cresnev	10.59 335	ePn	Pn	03 12 26.6 -2.3
CEY	Cerknica	10.92 323	ePn	Pn	03 12 32.3 +0.5
SOKA	Sothob	11.48 336	iPn	Pn	03 12 44.8 +3.7
MMAI	Mount Meron Ar	11.72 102	Pn	Pn	03 12 41.7 -2.7
KIS	Kishinev	11.88 24	eP	Pn	03 13 20.0
VYHS	Vyhne	12.33 351	ePn	Pn	03 12 57.8 +5.1
VYHS	Vyhne	12.33 351	ePn	Pn	03 15 07.7 +5.1
VYHS	Vyhne	12.33 351	eSN	Pn	03 15 07.7 -2.3
DAVOX	Davos/Discham	13.69 323	Pn	Pn	03 13 16.4 -3.7
DAVOX	comp=E,0.1nm,0.3s,baz=312,slow=12,SNR=21				03 15 31.9 -1.1
GERES	GERESS Array B	13.82 337	Pn	Pn	03 13 13.1 0.0
GERES	comp=E,0.1nm,0.3s,baz=162,slow=14,SNR=4				03 15 39.3 -7.2
AKASG	Malin Array Be	15.33 18	Pn	Pn	03 13 31.9 -1.5
CLL	Collim	16.22 340	eP	Pn	03 13 47.0 -1.0
CLL	comp=Z,6.0nm,1.2s				03 14 09.0
CLL	Collim	16.22 340	eP	Pn	03 13 47.0 -1.0
MEY	Mejyrino	17.50 60	iP	Pn	03 14 03.5 +1.0
KIV	Kislovodsk	17.59 58	eP	Pn	03 14 05.4 +0.9
KZB	Khabaz	17.77 59	P	Pn	03 14 06.1 +1.0
ZEI	Tsey	18.22 63	eP	Pn	03 14 09.2 -1.1
GNI	Garni	18.44 71	iP	Pn	03 14 14.0 +1.1
VSR	Storzhevoje	19.40 35	eP	Pn	03 14 25.2 +1.0
ESDC	Sonseca Array	20.51 287	P	Pn	03 14 35.7 +0.3
VRH	Novokhoporsky	20.60 38	eP	Pn	03 14 39.8 +1.4
OBN	Obninsk	21.35 24	iP	Pn	03 14 45.8 +1.6
OBN	comp=Z,5.0nm,0.8s				03 15 05.5
MDT	Midelt	21.97 269	P	Pn	03 14 51.8 +0.5
MDT	comp=Z,65nm,18.3s,baz=85,slow=11,SNR=7.1				03 23 42.2
MOS	Moscow	22.21 24	eP	Pn	03 14 54.4 +1.0
VSU	Vasula	22.37 7ceP	P	Pn	03 14 56.4 +1.3
PBAR	Barrancos	22.95 283	eP	Pn	03 15 03.5 +2.0
PESTR	Estremoz	23.34 285	eP	Pn	03 15 10.0 +4.5
HFS	Hagfors	24.37 350	eP	Pn	03 15 14.7 -0.3
FINES	FINESS Array B	25.27 5	P	Pn	03 15 23.4 +0.2
EKA	Eskdalemuir Ar	25.49 326	P	Pn	03 15 27.1 +1.9
NB2	NORSAR Subara	25.61 348	P	Pn	03 15 26.2 -0.1
NOA	NORSAR Array B	25.61 348	P	Pn	03 15 26.5 +0.2
KLMR	Klimovskoe	27.02 19	eP	Pn	03 15 38.7 -0.2
KLMR	comp=Z,1.4nm,1.4s				03 15 38.7 -0.2
TORD	Torodi Ar, Bea	29.29 223	P	Pn	03 15 59.5 -0.2
TORD	comp=Z,1.7nm,0.7s,baz=24,slow=11,SNR=11				03 29 30.3
KOWA	Kowa	31.68 233	LR	LR	03 31 08.8
ARCES	ARCCESS Array B	33.31 2	P	Pn	03 16 34.6 0.0
BRVK	Borovoye	37.52 48	eP	Pn	03 17 11.0 +0.1
BRVK	Borovoye	37.52 48ceP	Pn	Pn	03 17 11.3 +0.4
BVAR	Borovoye Array	37.58 48	P	Pn	03 17 11.0 -0.5
BVAR	comp=Z,0.5nm,0.4s,baz=252,slow=7,SNR=4.0				03 17 11.0 -0.5
KKAR	Karatay Array	37.67 64j	eP	Pn	03 17 12.4 -0.0
DBIC	Dimbokro	38.27 226	eP	Pn	03 17 18.6 +1.0
AAK	Ala-Archa	40.63 64	eP	Pn	03 17 37.0 -0.4
AAK	Ala-Archa	40.63 64ceP	Pn	Pn	03 17 37.7 +0.4
NIL	Nilore	41.87 78	eP	Pn	03 17 47.5 0.0
NIL	Nilore	41.87 78	eP	Pn	03 17 47.5 0.0
KURBB	Kurchatov Arra	42.56 52	eP	Pn	03 17 51.4 -1.1
KURK	Kurchatov	42.61 52	eP	Pn	03 17 51.4 -1.1
KURK	Kurchatov	42.61 52	eP	Pn	03 17 51.4 -1.8
MKAR	Makanchi Array	45.45 57	P	Pn	03 18 15.2 -0.9
ZALV	Zalesovo Beam	46.20 47	P	Pn	03 18 20.1 -1.8
PYUN	Piuthan	51.71 81	eP	Pn	03 19 04.4 -0.4
DANN	Dangsing	52.21 80	eP	Pn	03 19 08.4 -0.2
KOLN	Koldanda	52.34 81	eP	Pn	03 19 08.8 -0.6
DGN	Daman	53.06 80	eP	Pn	03 19 13.8 -0.9
MKN	Makani	53.61 80	eP	Pn	03 19 18.3 -0.6
KKN	Kakani	53.66 80	eP	Pn	03 19 18.4 -0.9

GUN	Gumba	54.09 79	eP	P	03 19 21.7 -0.8
JIRN	Jiri	54.45 80	eP	P	03 19 24.3 -0.9
RAMN	Ramite	55.09 80	eP	P	03 19 28.4 -1.3
MATP	Matopo	56.82 172	LR	LR	03 46 50.0
TIXI	Tiksi	61.03 20	iP	Pn	03 20 11.5 +1.2
YAK	Yakutsk	66.22 29	iP	P	03 20 46.9 +2.2
CMAR	Chiang Mai Arr	69.17 82	P	Pn	03 21 02.2 -1.8
KUL	Kuldur	74.66 40	iP	Pn	03 21 38.2 +1.7
YKA	Yellowknife Ar	75.45 341	iP	Pn	03 21 41.7 +0.9
ILAR	Eielson Array	78.82 355	P	Pn	03 22 00.3 +0.5
KSAR	Korona Array Be	79.71 51	P	Pn	03 22 04.7 -0.4
KSAR	Korona Array Be	79.71 51	P	Pn	03 22 04.7 -0.4
KSRS	Korea Array	79.73 51	P	Pn	03 22 04.7 -0.5
RSNC	24 03:27:19.6;1.0,6.81N;73.15W,h144km,6km,ML3.5, Mw3.8,2D,Northern Colombia				

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
BARC	Barichara	0.22 188	eP	Pn	03 27 39.1 -0.5	
BARC	Barichara	0.22 188	eP	Pn	03 27 53.9 -0.8	
GIRC	Giron, Santand	0.27 351	iP	Pn	03 27 39.1 -0.4	
BRRC	Baranca, Sant	0.63 298j	iP	Pn	03 27 40.9 -0.1	
BRRC					03 27 57.8 +0.5	
BRRC					03 28 02.0	
PAMC	Pampiona, Colo	0.69 41	eP	Pn	03 27 41.9 -0.1	
PAMC	comp=Z,932nm,0.2s				03 27 42.2	
PAMC					03 27 58.7 -0.2	
RUSC	La Rusia	0.92 176	eP	Pn	03 27 42.9 -0.8	
RUSC					03 28 01.0 -1.0	
RUSC					03 28 03.0	
PTBC	PUERTO BERRIO,	1.32 258	eP	Pn	03 27 45.6 -1.3	
PTBC					03 28 06.8 -0.9	
PTBC					03 28 28.0	
TAMC	Tame, Arauca	1.40 105j	iP	Pn	03 27 47.4 -0.4	
TAMC					03 28 08.6 -0.6	
OCAC	Ocana	1.43 353	eP	Pn	03 27 47.2 -0.9	
OCAC					03 28 09.7 -0.3	
OCAC					03 28 13.9	
YOPC	Yopal, Colombi	1.62 153	eP	Pn	03 27 49.8 -0.4	
YOPC					03 27 52.5	
YOPC					03 28 13.7 +0.2	
ZARC	Zaragoza, Cauc	1.82 292	eP	Pn	03 28 17.3 -0.1	
ZARC					03 28 24.0	
NORC	Norcasia	2.11 234	eP	Pn	03 27 54.8 -0.9	
CHIC	Chingaza	2.24 195	eP	Pn	03 27 51.9 -0.9	
CHIC					03 28 27.6 +0.6	
CHIC					03 28 32.3	
ROSC	El Rosal	2.28 211	eP	Pn	03 27 58.8 +0.7	
ROSC					03 28 35.2	
HELK	Santa Helena	2.44 256	eP	Pn	03 27 59.2 -0.9	
HELK					03 28 39.5	
VILC	Villavicencio,	2.73 191	eP	Pn	03 28 02.3 -1.3	
VILC					03 28 37.0 -0.4	
VILC					03 28 41.1	
DBBC	Dabeiba	3.04 274	eP	Pn	03 28 07.0 -0.4	
DBBC					03 28 45.2	

MEX 24 03:28:52.7;0.8,18.97N;105.57W,h16km,280km,MD3.5, Off coast of Jalisco						
Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
CJM	Chamela	0.73 43	iP	Pn	03 29 04.1 -2.9	
CJM					03 29 13.6 -2.9	
R15V		1.52 82	eP	Pn	03 29 14.9 -4.4	
R15V					03 29 33.0 -5.9	
EZSV		1.93 74	eP	Pn	03 29 22.2 -3.0	
BUJ 24 03:55:47.8;28.12N;82.61E,h10km,mb4.6/26,mbB4.8/14, Ms4.1/10, Ms7.3/10						
ISCJB 24 03:55:50.6;0.5,28.22N;0.03;82.51E;0.03,h33km,5km, mb4.2/39,MS3.5/7,Error ellipse: s-maj=5.5km s-min=3.5km az=15.9						
MOS 24 03:55:51.5;0.9,28.33N;82.62E,h33km,mb4.6/25,Error ellipse: s-maj=11.0km s-min=7.0km az=100.5						
NDI 24 03:55:53.4;2.8,28.35N;82.59E,h32km,14km,ML4.3, mb4.4(NEIC)						
NEIC 24 03:55:53.6;0.5,28.34N;82.61E,h35km,mb4.4/6,Error ellipse: s-maj=13.3km s-min=6.3km az=41.0						
IDC 24 03:55:54.5;6.5,28.47N;82.87E,h33km,50km,mb3.9/19, mb1.4/121,mb1mx3.8/78,mb2apj,1/21,ML4.6/3,MS3.3/8, Ms1.3/3.8,ms1mx2.9/72,Error ellipse: s-maj=23.9km s-min=12.4km az=43.0						
DMN 24 03:55:54.1;0.6,28.41N;82.77E,h2km,MIS.1/8,Error ellipse: s-maj=10.4km s-min=9.7km az=109.0						
ISC 24 03:55:51.8;1.1,28.29N;100.04;82.59E;0.04,h24km,8km, n120,e260/146,mb4.3/39,MS3.4/7,3C-2D,Nepal						

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
PYUN	Piuthan	0.40 118	eP	Pn	03 56 00.1 -0.4	
PYUN					03 56 07.9 +1.5	
KOLN	Koldanda	1.03 120	eP	Pn	03 56 12.5 +1.3	
KOLN					03 56 26.8 +1.9	
DANN	Dangsing	1.04 86	eP	Pn	03 56 09.6 -1.6	
DANN					03 56 22.4 -2.1	
DANN					03 56 22.5 -2.1	
GKN	Gorkha	1.83 98	eP	Pn	03 56 23.7 +1.7	
GKN					03 56 45.6 +1.0	
DMN	Daman	2.33 106	ePn	Pn	03 56 30.6 +1.6	
DMN					03 56 58.5 +1.5	
KKN	Kakani	2.43 101	ePn	Pn	03 56 31.6 +1.3	
PKIN	Phulchoki	2.59 105	ePn	Pn	03 56 33.9 +1.4	
PKIN					03 57 01.2 -2.1	
GUN	Gumba	2.93 97	ePn	Pn	03 56 38.5 +1.2	
GUN					03 57 10.1 -1.9	
JIRN	Jiri	3.25 100	ePn	Pn	03 56 43.1 +1.4	
RAMN	Ramite	3.80 110	ePn	Pn	03 56 50.6 +1.4	
RAMN					03 57 32.5 -0.8	
DDI	Dehra Dun	4.45 298	eP	Pn	03 56 59.1 +1.3	
DDI					03 57 43.9 -5.0	
ODAN	Odare	4.50 107	ePn	Pn	03 57 00.7 +2.0	

GNBR comp=Z,15nm,0.6s pmax pmax
GNBR comp=N,52nm,0.8s smax smax
GNBR Gumb 2.38 128 ePn Pn 04 14 43.4 -0.1

SOME 24 04:33:14.7, 40.98N; 73:53E, h10km
KRNET 24 04:33:14.6±0.1, 41.01N; 73:50E, h24km, mb3.0

ISC 24 04:33:11.3, 1.2, 40.95N; 0:03:73.54E; 0.02, h1km±1.1km,
h50, e15:12/87, 44C-12Z, Kyrgyzstan

Code Station Name Δ° AZ° Phase ID Time Res
ARSB Arsanbob 0.57 312 iP P 04 33 24.6 +0.4
ARSB baz=9.0 iS Sb 04 33 32.2 -0.7
SFK Sufi-Kurgan 0.93 182 iP Pn 04 33 32.7 +0.9

TNSS 18nm,0.5s eS Sg 04 34 55.0 -1.9
MDOK Medeo 3.42 48 iPg Pg 04 34 16.1 -0.8
MDOK 17m,1.1s Lg Lg 04 35 04.0
MDOK Medeo 3.42 48 eP Pg 04 34 17.2 +0.3

ISC 24 04:38:21.0, 1.9, 45.6S; 151.89E, h0km, mb3.7/4,
mb1 4.0/4, mb1mx3.6/5.3, mbtmp3.8/4, Error ellipse:
s-maj=115.3km s-min=26.2km az=129.0, New Britain region

Code Station Name Δ° AZ° Phase ID Time Res
WRA Warrangula Arr 22.93 227 P P 04 43 27.5 +0.5
ASAR Alice Springs 25.73 221 P P 04 43 53.4 0.0
FITZ Fitzroy Crossi 28.98 240 P P 04 44 22.2 -0.4

ISCJB 24 04:43:46.2±1.6, 27.18S; 0:03:176.82W; 0:03, h7km, 9km,
mb5.5/269, MS5.2/230, Error ellipse: s-maj=6.1km
s-min=3.4km az=151.5

NEIC 24 04:43:48.4±0.1, 27.31S; 176.81W, h16km, mb5.5/221,
MS5.2/152, MW5.7, MW5.7, Error ellipse: s-maj=4.8km
s-min=2.8km az=142.0, Moment Tensor Solution. s42

NEIC 24 04:43:49.0±0.0, 26.68S; 176.39W, h15km, Moment
Tensor Solution. s25 Moment tensor: Scale 10^17Nm;

GCMT 24 04:43:54.3±0.1, 27.10S; 0:01:176.34W; 0:01, h32km,
MW5.7/131, Moment Tensor Solution. s120, c238;
s131, c306; Duration: 1s6 Moment tensor: Scale 10^17

ISC 24 04:43:50.7±0.5, 27.30S; 0:04:176.69W; 0:04, h30km, 3km,
h30km; P-P, n1160, e145/1128, mb5.5/269, MS5.2/230,
19C-00D, Kermadec Islands region

RAO Raoul Island 2.23 209 P P 04 44 30.3 0.0
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.3 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAO Raoul Island 2.23 209 ePn Pn 04 44 29.2 -1.1
RAO 3um, 0.3s, baz=278, slow=23, SNR=6.4 S Sb 04 45 00.2 +2.9

RAR Rarotonga 16.57 72 ePn Pn 04 47 33.1 -7.6
RAR Rarotonga 16.57 72 eS Sn 04 50 17.8 -2.6
RAR Rarotonga 16.57 72 eP Pn 04 47 33.1 -7.8
THZ Topouse 16.76 208 ePn Pn 04 47 37.7 -5.6

24d 4h

Table with columns: RKT, comp-Z, time, speed, direction, and other flight details. Includes rows for Rikitea, Port Moresby, Alice Springs, Warramunga Arr, etc.

2012 AUG

Table with columns: HLK, Haleakala, time, speed, direction, and other flight details. Includes rows for Biak, Saumlaki, Kambalda, Fitzroy Crossi, etc.

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Table with columns: YUK, Yuzh-Kuril'sk, time, speed, direction, and other flight details. Includes rows for Kuril'sk, Sanae, Severo-Kuril's, etc.

SSE	LR	LR			
comp=Z,540nm,21.1s					
VES Vestal, Richgr	83.03	44	P	P	04 56 13.2 0.0
EDW2 Edward W. F	83.08	45	P	P	04 56 13.7 +0.1
FRD Ford Ranch, An	83.09	47	P	P	04 56 13.9 +0.2
PEA0B Petropavlovsk	83.12 345	eP	P	P	04 56 12.0 -1.3
comp=Z,39nm,1.2s					
PETK Petropavlovsk	83.12 345	P	P	P	04 56 12.5 -0.8
comp=Z,33nm,0.9s,baz=120,slow=8.8,SNR=20					
PETK			LR	LR	05 31 45.6
comp=Z,644nm,18.6s,baz=177,slow=35					
PETK Petropavlovsk	83.12 345	eP	P	P	04 56 12.3 -1.0
PETK Petropavlovsk	83.12 345	eP	P	P	04 56 12.3 -1.0
PFO Pinyon Flats O	83.26 47	P	P	P	04 56 14.6 -0.1
comp=Z,231nm,1.1s					
PXFO Pison Flat	83.26 47	eP	P	P	04 56 15.3 +0.6
comp=Z,22nm,1.0s					
SWSC Sam W. Stewart	83.28 48	P	P	P	04 56 14.7 +0.1
ISA Isabella, Lake	83.29 44	eP	P	P	04 56 15.5 +0.8
comp=Z,43nm,1.0s					
ISA Isabella, Lake	83.29 44	eP	P	P	04 56 15.5 +0.8
comp=Z,43nm,1.0s					
ISA Isabella, Lake	83.29 44	P	P	P	04 56 15.0 +0.3
comp=Z,230,SNR=16					
KMRM Mail Ridge	83.29 38	eP	P	P	04 56 16.4 +1.8
comp=Z,67nm,1.0s					
BBRC Big Bear Solar	83.37 46	P	P	P	04 56 15.5 +0.2
comp=Z,21					
INCN Incheon	83.55 318	PFAKE	LR	LR	04 56 30.0 +1.4
comp=Z,11um,21.0s					
LRCM Laurel Mtn Rad	83.66 45	eP	P	P	04 56 16.9 +0.2
comp=Z,230,SNR=18					
LMB Columbia Colle	83.69 41	P	P	P	04 56 16.6 -0.1
comp=Z,34nm,1.1s					
CMB Columbia Colle	83.69 41	eP	P	P	04 56 16.6 -0.1
comp=Z,34nm,1.1s					
RRX Edison Barstow	83.71 46	P	P	P	04 56 16.8 0.0
comp=Z,231					
KHMM Horse Mountain	83.74 38	eP	P	P	04 56 18.7 +1.8
comp=Z,32nm,0.9s					
GO06 Curarahue	83.74 131	eP	P	P	04 56 18.1 +0.9
comp=Z,21nm,1.1s					
PLCA Paso Flores	83.76 133	P	P	P	04 56 18.5 +1.2
comp=Z,19nm,1.0s,baz=253,slow=5.4,SNR=14					
PLCA			LR	LR	05 25 04.6
comp=Z,11um,21.5s,baz=282,slow=29					
PLCA Paso Flores	83.76 133	eP	P	P	04 56 19.1 +1.8
comp=Z,35nm,1.1s					
PLCA Paso Flores	83.76 133	P	P	P	04 56 18.5 +1.2
comp=Z,12nm,1.1s					
O02D Mt. Diablo Mer	83.77 39	P	P	P	04 56 18.0 +0.9
comp=Z,26,SNR=16					
BELC Belle Mtn. Jos	83.80 47	P	P	P	04 56 17.7 +0.2
comp=Z,231,SNR=24					
BC3 Big Chuckawall	83.94 47	P	P	P	04 56 18.6 +0.4
comp=Z,232,SNR=25					
AFDM Forest Hills D	83.96 40	eP	P	P	04 56 18.4 +0.4
comp=Z,31nm,1.2s					
GLA Glamis	83.98 48	eP	P	P	04 56 19.5 +1.2
comp=Z,40nm,1.1s					
GLA Glamis	83.98 48	P	P	P	04 56 18.8 +0.5
comp=Z,232,SNR=7.4					
CWC Cottonwood Cre	84.03 44	P	P	P	04 56 18.8 +0.2
comp=Z,230					
ORV Oroville	84.07 40	eP	P	P	04 56 18.6 +0.1
comp=Z,16nm,0.8s					
ORV Oroville	84.07 40	eP	P	P	04 56 18.6 +0.1
comp=Z,16nm,0.8s					
GSC Goldstone, Bar	84.10 45	eP	P	P	04 56 19.1 +0.2
comp=Z,36nm,0.9s					
GSC Goldstone, Bar	84.10 45	P	P	P	04 56 19.1 +0.2
comp=Z,231,SNR=25					
HEC Hector, Ludlow	84.10 46	P	P	P	04 56 19.1 +0.2
comp=Z,31nm,1.2s					
MPMC Manual Prospec	84.15 44	P	P	P	04 56 19.6 +0.4
comp=Z,230,SNR=59					
WDC Whiskeytown Da	84.18 38	eP	P	P	04 56 19.4 +0.4
comp=Z,17nm,0.9s					
MDPB Devils Postpil	84.20 42	eP	P	P	04 56 20.2 +0.7
comp=Z,26nm,0.9s					
DAC Darwin (Calif)	84.23 44	eP	P	P	04 56 19.1 -0.6
comp=Z,21nm,1.1s					
DAC Darwin (Calif)	84.23 44	eP	P	P	04 56 19.1 -0.6
comp=Z,21nm,1.1s					
OMMB Old Mammoth Mi	84.23 42	eP	P	P	04 56 20.4 +0.6
comp=Z,16nm,1.0s					
HSIG	84.26 53	eP	P	P	04 56 19.3 -0.4
comp=Z,34nm,0.9s					
TIN Tinemaha, Big	84.34 43	P	P	P	04 56 20.2 +0.1
comp=Z,230					
MLAC Mammoth, Mammo	84.34 42	P	P	P	04 56 20.5 +0.2
comp=Z,229					
N02D Trinity Center	84.36 38	P	P	P	04 56 20.8 +0.8
comp=Z,226,SNR=16					
O03D Paynes Creek	84.40 39	P	P	P	04 56 20.0 -0.3
comp=Z,227,SNR=24					
IRM Iron Mountain	84.45 47	P	P	P	04 56 21.3 +0.6
comp=Z,232,SNR=35					
RUBR Rubicon Trail	84.50 41	eP	P	P	04 56 22.4 +1.5
comp=Z,37nm,0.9s					
GMRC Granite Mounta	84.51 46	P	P	P	04 56 21.3 +0.3
comp=Z,231,SNR=17					
113A Mohawk Valley,	84.52 49	eP	P	P	04 56 21.8 +0.8
comp=Z,27nm,1.2s					
WAKR Walker	84.56 42	eP	P	P	04 56 21.7 +0.4
comp=Z,69nm,1.3s					
M02C Callahan	84.57 38	P	P	P	04 56 21.9 +0.8
comp=Z,226,SNR=15					
Y12C Blythe	84.61 48	P	P	P	04 56 21.8 +0.4
comp=Z,232					
R11A Organ Pipe Nat	84.68 50	P	P	P	04 56 22.1 +0.3
comp=Z,233,SNR=8.2					
L02D Cave Junction,	84.70 37	P	P	P	04 56 22.4 +0.8
comp=Z,226					
CHGN Chignik	84.71 10	eP	P	P	04 56 25.3 +4.0
comp=Z,68nm,0.8s					
QIZ Qiongzong	84.74 294	P	S	S	04 56 22.4 0.0
comp=Z,420nm,11.2s					
QIZ			LR	LR	05 06 50.8 +2.3
comp=Z,250nm,17.2s					
QIZ			LR	LR	
comp=Z,330nm,21.6s					
QIZ			LR	LR	
comp=Z,440nm,26.5s					
QIZ Qiongzong	84.74 294	PFAKE	LR	LR	04 56 30.0 +7.6
comp=Z,533nm,22.0s					
TUQ Turquoise Moun	84.75 46	P	P	P	04 56 22.6 +0.4
comp=Z,231,SNR=22					
EFI East Falkland	84.75 147	PFAKE	LR	LR	04 56 30.0 +8.1
comp=Z,3um,19.0s					
EFI East Falkland	84.75 147	eP	P	P	04 56 22.9 +1.0
comp=Z,68nm,1.1s					
FURC Furnace Creek,	84.80 44	P	P	P	04 56 22.3 +0.1
comp=Z,230,SNR=20					
SHOC Shoshone, Teco	84.81 45	P	P	P	04 56 22.6 +0.2
comp=Z,231,SNR=25					
KEBM Edison Butte	84.82 36	eP	P	P	04 56 24.0 +1.7
comp=Z,70nm,1.1s					
GRAC Grapevine Rang	84.83 44	P	P	P	04 56 23.0 +0.6
comp=Z,230,SNR=32					
PNTR Pine Nut	84.85 41	eP	P	P	04 56 23.4 +0.7
comp=Z,74nm,0.8s					
YBH Yreka Blue Hor	84.89 37	P	P	P	04 56 22.5 -0.2
comp=Z,15nm,0.9s,baz=187,slow=3.4,SNR=16					
YBH			LR	LR	05 26 45.2
comp=Z,549nm,21.6s,baz=234,slow=30					
YBH Yreka Blue Hor	84.89 37	eP	P	P	04 56 23.6 +0.9
comp=Z,24nm,0.8s					
YBH Yreka Blue Hor	84.89 37	eP	P	P	04 56 23.6 +0.9
comp=Z,24nm,0.8s					
BEKR Beckworth	84.93 40	eP	P	P	04 56 23.1 0.0
comp=Z,19nm,0.7s					

VCNR Virginia City	84.96 41	eP	P	P	04 56 23.9 +0.6
comp=Z,26nm,0.8s					
YERR Yerington	84.99 41	eP	P	P	04 56 23.9 +0.5
comp=Z,35nm,1.0s					
K02D Willie Mer	85.05 36	P	P	P	04 56 24.0 +0.5
comp=Z,226,SNR=5.7					
NJ2 Nanjing	85.13 310	eP	P	P	04 56 24.8 +0.8
comp=Z,45nm,1.4s					
NEE2 Needles Airpor	85.17 47	P	P	P	04 56 24.7 +0.5
comp=Z,232					
RYN Ryan	85.18 42	eP	P	P	04 56 24.5 +0.2
comp=Z,31nm,1.2s					
NV01 Mina Array Bea	85.18 42	eP	P	P	04 56 23.7 -0.8
comp=Z,22nm,1.0s,baz=222,slow=7.8,SNR=104					
NVAR	85.18 42	P	P	P	04 56 24.5 0.0
comp=Z,0.7nm,0.8s,baz=84,slow=2.0,SNR=5.1					
NVAR			LR	LR	05 14 31.2 -0.4
comp=Z,1um,19.4s,baz=120,slow=31					
PDMC1 Parker Dam,Lak	85.20 47	P	P	P	04 56 24.9 +0.6
comp=Z,232,SNR=11					
J01D Myrtle point	85.23 36	P	P	P	04 56 24.8 +0.6
comp=Z,225					
USA0B Ussuriysk Arra	85.24 326	eP	P	P	04 56 24.9 +0.7
comp=Z,1.46nm,1.3s					
USRK Ussuriysk Ar.	85.24 326	P	P	P	04 56 23.9 -0.3
comp=Z,40nm,0.9s,baz=126,slow=3.8,SNR=82					
USRK			LR	LR	05 28 32.7
comp=Z,2um,21.4s,baz=130,slow=32					
NV11 Mina Array Sit	85.27 42	eP	P	P	04 56 24.7 -0.1
comp=Z,3um,1.0s					
HUMO Hull Mountain	85.36 37	eP	P	P	04 56 25.3 +0.3
comp=Z,31nm,0.9s					
PAHR Pah Rah Range	85.38 41	eP	P	P	04 56 25.7 +0.4
comp=Z,38nm,0.9s					
M04C Madroel	85.39 38	P	P	P	04 56 25.5 +0.2
comp=Z,227,SNR=7.8					
L04D Klamath Falls	85.44 37	P	P	P	04 56 25.6 +0.1
comp=Z,226,SNR=8.1					
TPNV Topopah Spring	85.49 44	eP	P	P	04 56 26.3 +0.3
comp=Z,61nm,0.9s					
TPNV Topopah Spring	85.49 44	eP	P	P	04 56 26.3 +0.3
comp=Z,61nm,0.9s					
TPNV Topopah Spring	85.49 44	P	P	P	04 56 26.2 +0.3
comp=Z,231,SNR=37					
KVN Kaiserville	85.71 42	eP	P	P	04 56 26.9 -0.1
comp=Z,26nm,0.8s					
KVN Kaiserville	85.71 42	eP	P	P	04 56 26.9 -0.1
comp=Z,26nm,0.8s					
Y14A Wickenburg	85.73 48	eP	P	P	04 56 27.5 +0.5
comp=Z,33nm,0.8s					
W13A Hualapai Mount	85.85 47	eP	P	P	04 56 27.9 0.0
comp=Z,55nm,0.9s					
SHPR Sheep Range	85.90 45	eP	P	P	04 56 28.6 +0.7
comp=Z,26nm,1.0s					
I03D Drain, OR	85.91 36	P	P	P	04 56 28.1 +0.5
comp=Z,226					
I02D Swisshome	85.94 35	P	P	P	04 56 28.2 +0.5
comp=Z,225					
K04D Chiloquin, OR	86.02 37	P	P	P	04 56 28.4 +0.1
comp=Z,227					
J04D Umpqua Nationa	86.25 37	P	P	P	04 56 29.9 +0.3
comp=Z,227,SNR=7.2					
TUC Tucson	86.28 51	eP	P	P	04 56 30.5 +0.7
comp=Z,45nm,0.8s					
TUC Tucson	86.28 51	eP	P	P	04 56 30.5 +0.7
comp=Z,45nm,0.8s					
TUC Tucson	86.28 51	P	P	P	04 56 30.6 +0.7
comp=Z,2um,21.0s					
PSI Tucson	86.28 51	P	P	P	04 56 29.2 -1.4
comp=Z,234					
PSI Prapat	86.29 275	P	P	P	04 56 29.2 -1.2
comp=Z,14nm,0.7s,baz=180,slow=6.9,SNR=9.4					
PSI Prapat	86.29 275	eP	P	P	04 56 29.2 -1.2
comp=Z,2um,22.0s,baz=90,slow=35					
PSI Prapat	86.29 275	eP	P	P	04 56 29.2 -1.2
comp=Z,58nm,1.2s					
MOD Modoc Plateau	86.32 39	eP	P	P	04 56 29.6 -0.3
comp=Z,17nm,0.8s					
I04A Tendick Farm,	86.47 36	P	P	P	04 56

RSSD	Black Hills	97.20	44	eP	P	04 57 20.4 -0.2
RSSD	Black Hills	97.20	44	eP	P	04 57 20.4 -0.2
RSSD	Black Hills	97.20	44	P	P	04 57 20.1 -0.5
LAO	LASA Array	97.24	41	PFAKE	LR	04 57 30.0 +9.4
LAO	LASA Array	97.24	41	P	Pdf	04 57 20.9 +0.3
CBKS	Cedar Bluff	97.34	50	PFAKE	LR	04 57 30.0 +8.7
OTAV	Otavallo	97.43	94	PFAKE	LR	04 57 30.0 +7.2
NATX	Nacogdoches	97.59	58	PFAKE	LR	04 57 30.0 +7.1
LZH	Lanzhou	97.81	307	pP	Pdf	04 57 24.4 +0.9
LZH				pP	pP	04 57 30.5 -2.6
LZH				sP	pP	04 57 35.1 -1.4
LZH				S	S	05 08 50.0 +2.4
LZH				sS	S	05 08 58.3 -1.7
LZH				pS	pmax	
LZH				pmax	pmax	
LZH				LR	LR	
LZH				LR	LR	
LZH				LR	LR	
LZH				LR	LR	
LPAZ	La Paz	98.33	113	P	P	04 57 26.6 -0.3
LPAZ				LR	LR	05 02 57.3
LPAZ				eP	Pdf	04 57 28.8 +1.8
LPAZ				eP	Pdf	04 57 28.8 +1.9
YAK	Yakutsk	98.83	337	PFAKE	LR	04 57 40.0 +1.3
YAK	Yakutsk	98.83	337	eP	P	04 57 25.0 -2.2
YAK				pmax	pmax	
DGMT	Dagmar	99.34	40	PFAKE	LR	04 57 40.0 +1.0
MIAR	Mount Ida	99.75	56	PFAKE	LR	04 57 40.0 +8.0
MIAR				LR	LR	04 57 50.0 +1.6
BCIP	Isla Barro Col	100.19	85	PFAKE	LR	04 57 37.1 -0.6
CPUP	Villa Florida	100.97	127	P	Pdf	04 57 37.1 -0.6
ULN	Ulanbaatar	101.24	318	eP	Pdf	04 57 38.3 -0.2
ULN				LR	LR	04 57 38.2 -0.3
ULN				pmax	pmax	
SONM	Songino Array	101.62	318	P	Pdf	04 57 38.9 -1.2
SONM				pP	pP	05 01 55.6 +4.5
SONM				P	P	05 13 48.2 -0.2
SONM				P	P	04 57 39.2 -0.9
SONM				P	P	04 57 41.6 +1.1
GTA	Gaotai	102.15	308	eP	Pdf	04 57 43.3 +0.6
GTA				pP	pP	05 01 56.4 +1.2
GTA				SKS	SKS	05 08 20.3 0.0
GTA				S	S	05 09 21.1 -2.7
GTA				sS	sS	05 09 32.1 -8.1
GTA				SS	SS	05 16 28.3 -1.7
GTA				pmax	pmax	
GTA				LR	LR	
GTA				LR	LR	
GTA				LR	LR	
GTA				LR	LR	
SCIA	State Center	103.18	50	PFAKE	LR	04 58 00.0 +1.3
BRAL	Brewton	103.31	62	PFAKE	LR	04 58 00.0 +1.2
FFC	Flin Flon	103.62	35	PFAKE	LR	04 58 00.0 +1.1
ZAK	Zakamensk	104.59	319	eP	Pdf	04 57 54.9 +1.7
LSA	Lhasa	104.72	296	PFAKE	LR	04 58 10.0 +1.5
TLY	Talaya	104.93	321	eP	Pdf	04 58 05.8 +1.1
HDIL	Hopedale	105.35	52	PFAKE	LR	05 02 20.0
TIXI	Tiksi	105.60	344	PP	PP	05 02 17.7 -2.2
TIXI				PP	PP	05 02 17.7 -2.2
JFWS	Jewell Farm	105.60	50	PFAKE	LR	05 02 20.0
MTDJ	Mount Denham	106.04	78	PFAKE	LR	05 02 20.0
SAML	Samuel	106.27	109	PFAKE	LR	05 02 20.0
EYMN	Ely	106.71	44	PFAKE	LR	05 02 20.0
GOGA	Godfrey	106.97	61	PFAKE	LR	05 02 30.0
COWI	Conover	107.53	47	PFAKE	LR	05 02 30.0
SDV	Santo Domingo	108.25	89	PFAKE	LR	05 02 30.0
NHSC	New Hope	109.43	62	PFAKE	LR	05 02 30.0
ACSO	Alum Creek Sta	109.73	54	PFAKE	LR	05 02 30.0
AAM	Ann Arbor	109.93	52	PFAKE	LR	05 02 30.0
GLMI	Graying	110.08	49	PFAKE	LR	05 02 30.0
BLA	Blacksburg	110.63	58	PFAKE	LR	05 02 30.0
WMO	Urumqi	112.20	309	PKP	PKP	05 02 24.0 +0.6
WMO				LR	LR	
WMO				LR	LR	
WMO				LR	LR	

PTGA	Pitinga	113.22	104	PKK	PKK	05 13 11.9 +1.2
CBN	Corbin Fredri	113.23	58	PFAKE	LR	05 02 40.0
BINY	Binghamton	115.35	54	PFAKE	LR	05 02 40.0 +1.1
ZAAO	Zalesovo Array	116.47	319	ePKP	PKP	05 02 30.0 -1.2
ZAAO				PKP	PKP	05 02 29.9 -1.2
ZALV	Zalesovo Beam	116.47	319	ePKP	PKP	05 02 29.2 -1.9
MK01	Makanchi Array	116.63	311	ePKP	PKP	05 02 30.1 -1.6
MK31	Makanchi Array	116.64	311	ePKP	PKP	05 02 30.8 -1.2
MK31				ePKP	PKP	05 02 30.8 -1.2
MKAR	Makanchi Array	116.64	311	ePKP	PKP	05 02 30.5 -1.2
LONY	Lake Ozonia	116.91	52	PFAKE	LR	05 02 40.0 +7.7
LRNY				LR	LR	
NRK	Noril'sk	117.27	337	PKP	PKP	05 02 31.4 -0.8
ABPO	Ambohimpalom	117.30	228	PFAKE	LR	05 02 50.0 +1.6
NVS	Novosibirsk	117.53	320	PKP	PKP	05 02 31.9 -1.2
NVS				pmax	pmax	
NVS				pmax	pmax	
NVS				pmax	pmax	
GRGR	Greenville	117.61	90	PFAKE	LR	05 02 50.0 +1.5
OPO	Ambohimpalom	117.65	228	PKP	PKP	05 02 35.0 +0.2
SUR	Sutherland	118.36	197	ePKP	PKP	05 02 36.2 +0.3
KSH	Kashi	119.62	302	PKP	PKP	05 02 38.5 +0.6
KURK	Kurchatov	119.71	315	ePKP	PKP	05 02 36.5 -1.0
KURK				PKP	PKP	05 12 48.6 -0.2
KURK				P	PKP	05 02 35.8 -1.7
KURK				PKP	PKP	05 02 36.5 -1.0
KURB	Kurchatov Arra	119.71	315	PKP	PKP	05 02 36.3 -1.3
KURBB				PKP	PKP	05 12 48.6 0.0
NIL	Nilore	120.41	295	ePKP	PKP	05 02 37.2 -2.2
NIL				MLR	MLR	05 02 37.2 -2.2
MSEY	Mahse Island	120.47	246	PFAKE	LR	05 02 50.0 +1.0
BOSA	Boshof	120.55	202	PKP	PKP	05 02 39.9 -0.3
BOSA				PKP	PKP	05 02 41.0 +0.9
PKME	Peaks-Kenny PK	120.72	52	PFAKE	LR	05 02 50.0 +1.0
FRU	Frederick	121.26	305	ePKP	PKP	05 02 40.0 -0.8
AAK	Ala-Archa	121.31	305	PKP	PKP	05 02 38.1 -3.0
AAK				ePKP	PKP	05 02 39.4 -1.6
AAK				ePKP	PKP	05 02 41.1 0.0
PQI	Presque Isle	121.80	50	ePKP	PKP	05 02 40.5 -1.1
FRB	French Bay	122.13	52	ePKP	PKP	05 02 40.4 -1.3
SCHO	Schefferville	123.16	41	PKP	PKP	05 02 43.9 -0.2
KULLO	Kullorsuaq	123.83	16	P	PKP	05 02 43.5 -1.2
KULLO				PKP	PKP	05 02 43.5 -1.2
KBL	Kabul	124.02	295	ePKP	PKP	05 02 46.9 +0.4
KK31	Karatay Array	124.28	305	ePKP	PKP	05 02 46.0 -0.5
KK31				ePKP	PKP	05 02 46.0 -0.5
KKAR	Karatay Array	124.28	305	ePKP	PKP	05 02 46.0 -0.5
BVAR	Borovoye Array	124.96	317	PKP	PKP	05 02 47.0 -0.5
BRVK	Borovoye	125.02	317	ePKP	PKP	05 02 46.3 -1.3
BRVK				PKP	PKP	05 02 46.4 -1.3
BRVK				PKP	PKP	05 02 46.3 -1.3
BRVK				PKP	PKP	05 02 49.4 -0.7
MATP	Matopos	126.65	210	PKP	PKP	05 02 51.6 -0.4
KBS	Kingsbay	128.15	358	PFAKE	LR	05 03 00.0 +7.1
KBS				LR	LR	
SPFD	Spitsbergen Ar	128.69	357	PKP	PKP	05 02 52.7 -1.3
SPFD				PFAKE	LR	05 03 10.0 +1.6
SUMG	Summit	129.42	15	ePKP	PKP	05 02 56.0 0.0
SUMG				P	PKP	05 02 56.1 +0.1
SUMG				PKP	PKP	05 02 56.1 +0.1
SUMG				PKP	PKP	05 02 56.1 +0.1
SUMG				MLR	MLR	
SVE	Sverdlovsk	130.18	323	PKP	PKP	05 02 57.2 -0.1
SVE				pmax	pmax	
SVE				MLR	MLR	
LSZ	Lusaka	131.28	213	ePKP	PKP	05 03 01.3 +0.5
ARU	Arti	131.39	323	ePKP	PKP	05 02 59.3 -0.4
ARU				PKP	PKP	05 05 17.8
ARU				PKP	PKP	05 15 26.2 -1.9
ABKAR	Akbulak array	131.71	313	ePKP	PKP	05 02 59.9 -0.6
TSUM	Tsumeb	131.75	198	PKP	PKP	05 03 01.1 -0.6
TSUM				PKP	PKP	05 05 21.9 +1.6
TSUM				PKP	PKP	05 05 21.9 +1.6
IVI	Ivigtut	131.87	31	ePKP	PKP	05 02 59.7 -0.7
AKTO	Aktubinsk	132.81	315	PKP	PKP	05 03 01.5 -1.1
BAN01	Banait	132.90	281	ePKP	PKP	05 03 03.0 -0.5
GEYT	Alibeck	133.22	298	PKP	PKP	05 03 02.6 -1.2
GYA0B	ALIBECK ARRAY	133.22	298	ePKP	PKP	05 03 05.7 +1.9
KEV	Kevo	135.34	349	PFAKE	LR	05 03 20.0 +1.3
PRGR	Pergomere	135.65	333	ePKP	PKP	05 03 05.5 -2.0
PRGR				pmax	pmax	
APA	Apatity	135.79	344	PKP	PKP	05 03 05.6 -2.0

APA				pmax	pmax	
ARCES	ARCES Array B	135.80	349	PKP	PKP	05 03 06.8 -0.8
ARCES				ePKP	PKP	05 03 06.5 -1.1
AREO	AREO Array S	135.80	349	ePKP	PKP	05 03 06.8 -0.8
AREO				ePKP	PKP	05 03 06.7 -0.9
SHEL	Horse Pasture	136.11	167	PFAKE	LR	05 03 20.0 +1.0
KMBO	Kilima Beam	136.82	235	PKP	PKP	05 03 12.1 +0.6
KMBO				ePKP	PKP	05 03 12.5 +1.0
KMBO				PKP	PKP	05 03 12.5 +1.0
KLMR	Klimovskoe	138.53	334	ePKP	PKP	05 03 10.3 -2.5
KLMR				e	pmax	05 06 00.1
KLMR				ePKP	PKP	05 03 10.3 -2.5
KLMR				AMP	AMP	05 03 14.7
KLMR				ePP	PP	05 06 00.2 -3.2
KLMR				LQ	LQ	05 54 49.8
KLMR				LQ	LQ	05 56 34.4
KLMR				LQ	LQ	05 58 26.3
BORG	Borghesane	139.38	16	PFAKE	LR	05 03 30.0 +1.6
MBAR	Mbarara	141.72	228	PFAKE	LR	05 03 30.0 +1.0
RAYN	Ar Rayn	141.83	274	ePKP	PKP	05 03 15.4
GROC	Groznyy	142.29	306	ePKH	PKP	05 03 12.5
GROC				e	pmax	05 10 17.7
MOS	Moscow	142.37	329	ePKH	PKP	05 03 14.4
MOS				e	pmax	05 06 35.1
VRH	Novokhopovskiy	142.50	320	ePKIK	PKP	05 03 18.7 -1.6
FIA1	FINES Array M	142.60	342	ePKP	PKP	05 03 14.9
FINES	FINES Array S	142.60	342	ePKH	PKP	05 03 15.2
OBIN	Obninsk	143.22	328	PFAKE	LR	05 03 30.0 +8.6
OBIN				ePKH	PKP	05 03 17.0
OBIN				i	SS	05 06 27.1
OBIN				pmax	pmax	05 25 03.3 -6.4
TBLG	Delisi	143.32	304	ePKP	PKP	05 03 19.6 +0.3
TBLG				ePKP	PKP	05 03 19.6 +0.3
GNI	Garni	143.55	301	ePKP	PKP	05 03 20.5 +0.3
GNI				ePKIK	PKP	05 03 21.3 +1.1
ZEI	Tsey	143.73	306	ePKH	PKP	05 03 17.4
GOF	Gofitskoye	143.79	310	ePKIK	PKP	05 03 19.8 0.0
NCK	Nalchik	143.80	307	ePKIK	PKP	05 03 20.9 +0.3
VSR	Storozhevo	143.93	321	ePKH	PKP	05 03 18.8
VSR				ePKH	PKP	05 03 18.6
KBZ	Khabaz	144.24	308	PKP	PKP	05 03 20.7 -0.7
AKH	Akhalkalaki	144.29	304	ePKP	PK	

24d 7h

Table with columns for station call letters, frequency, and other technical details. Includes stations like WRA, WRAB, WRAF, etc.

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Table with columns for station call letters, frequency, and other technical details. Includes stations like SAML, CMAR, CHTO, etc.

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Table with columns for station call letters, frequency, and other technical details. Includes stations like AHID, HAWA, NIL, etc.

V49A	McMinnville	127.28	84	P	PKPdf	07 22 16.8	+1.1
X53A	Estanolee	127.38	87	P	PKPdf	07 22 17.5	+1.7
P39B	Salisbury	127.38	75	P	PKPdf	07 22 17.1	+1.5
S44A	Carbondale	127.41	79	P	PKPdf	07 22 17.2	+1.4
V46A	Princeton	127.47	81	P	PKPdf	07 22 17.5	+1.6
T60A	Pikeville	127.56	84	P	PKPdf	07 22 17.4	+1.3
WRAK	Wrangell Islan	127.58	36	PFAKE	LR	07 22 30.0	+1.5
EGMT	comp-Z,759nm,20.0s						
EGMT	Eagleton	127.59	56	PFAKE	LR	07 22 30.0	+1.4
NHSC	comp-Z,519nm,19.0s						
NHSC	New Hope	127.59	90	PFAKE	LR	07 22 30.0	+1.4
U47A	comp-Z,293nm,20.0s						
U47A	Cassie Pea, Po	127.62	83	P	PKPdf	07 22 17.1	+0.9
U48A	Sharon Grove	127.77	82	P	PKPdf	07 22 17.8	+1.1
N37A	Lee Faris, Mou	127.81	73	P	PKPdf	07 22 18.1	+1.6
LAO	LASA Array	127.82	60	PFAKE	LR	07 22 30.0	+1.4
LAO	comp-Z,505nm,20.0s						
LAO	LASA Array	127.82	60	P	PKPdf	07 22 18.6	+2.2
U49A	Red Boiling Sp	127.96	83	P	PKPdf	07 22 18.5	+1.6
W53A	Cullowhee	128.00	86	P	PKPdf	07 22 18.7	+1.5
V51A	Loudon	128.00	85	P	PKPdf	07 22 18.5	+1.6
N38A	Joel South For	128.26	74	P	PKPdf	07 22 18.9	+1.6
U50A	Jamestown	128.29	84	P	PKPdf	07 22 18.9	+1.4
M37A	Trindle Farm,	128.41	73	P	PKPdf	07 22 19.4	+1.9
U51A	La Follette	128.63	85	P	PKPdf	07 22 19.6	+1.5
N39A	Derby Farms, D	128.64	75	P	PKPdf	07 22 19.4	+1.4
BOD	Bodaibo	128.68	325	ePKIKP	pmax	07 22 17.5	0.0
BOD	comp-Z,9.0nm,2.0s						
M38A	Pleasantville	128.79	74	P	PKPdf	07 22 19.7	+1.5
SUSD	Miller	128.86	67	P	PKPdf	07 22 19.6	+1.3
TORD	Tordi Ar. Bea	128.91	194	PKP	PKPdf	07 22 16.5	-2.9
U52A	Thorn Hill	128.93	85	P	PKPdf	07 22 20.5	+1.7
R47A	Wooly Knot Far	129.11	81	P	PKPdf	07 22 20.1	+1.1
R37A	Phoenix Point,	129.13	73	P	PKPdf	07 22 20.1	+1.1
TS1A	Gray	129.15	84	P	PKPdf	07 22 20.6	+1.5
WCI	Wyandotte Cave	129.16	82	ePKIKP	PKPdf	07 22 16.1	-3.0
WCI	Wyandotte Cave	129.16	82	ePKIKP	PKPdf	07 22 16.1	-3.0
WCI	Wyandotte Cave	129.16	82	P	PKPdf	07 22 20.9	+1.8
P44A	Sand Creek, Wi	129.18	79	P	PKPdf	07 22 20.7	+1.6
SCIA	State Center	129.18	73	PFAKE	LR	07 22 30.0	+1.1
SCIA	comp-Z,524nm,19.0s						
SCIA	State Center	129.18	73	P	PKPdf	07 22 20.4	+1.4
S49A	Springfield	129.24	83	P	PKPdf	07 22 20.9	+1.6
ECSD	EROS Data Cent	129.25	69	ePKIKP	LR	07 22 16.4	-2.7
ECSD	comp-Z,350nm,19.0s						
ECSD	EROS Data Cent	129.25	69	P	PKPdf	07 22 17.2	-1.9
K36A	Gilmore City	129.26	72	P	PKPdf	07 22 20.7	+1.6
U53A	Fall Branch	129.26	86	P	PKPdf	07 22 21.1	+1.7
M39A	Webster	129.28	74	P	PKPdf	07 22 20.1	+0.9
L38A	Oak Wood Farm,	129.48	73	P	PKPdf	07 22 20.8	+1.2
S50A	Richmond	129.54	84	P	PKPdf	07 22 21.7	+1.9
K37A	Belmond	129.71	72	P	PKPdf	07 22 21.0	+1.0
AAK	Ala-Archa	129.72	287	PFAKE	LR	07 22 30.0	+1.0
AAK	comp-Z,232nm,20.0s						
HDIL	Hopedale	129.76	77	PFAKE	LR	07 22 30.0	+1.0
HDIL	comp-Z,274nm,19.0s						
S51A	Beattyville	129.87	84	P	PKPdf	07 22 21.0	+0.5
J36A	Seneca 1, Swea	129.87	71	P	PKPdf	07 22 21.0	+0.8
L39A	Winton	129.88	74	P	PKPdf	07 22 21.0	+0.6
MKAR	Makanich Array	129.89	296	PKP	PKPdf	07 22 20.6	+0.4
M41A	Milan	129.89	76	P	PKPdf	07 22 21.8	+1.4
K38A	Parkersburg	129.98	73	P	PKPdf	07 22 22.1	+1.6
DGMT	Dagmar	130.06	60	PFAKE	LR	07 22 30.0	+9.5
DGMT	comp-Z,524nm,19.0s						
L40A	Anamosa	130.16	75	P	PKPdf	07 22 22.7	+1.8
J37A	Redenius Farm,	130.19	72	P	PKPdf	07 22 22.1	+1.2
K39A	Delwin	130.40	74	P	PKPdf	07 22 22.6	+1.3
CNNC	Cliffs of the	130.40	91	PFAKE	LR	07 22 30.0	+8.5
CNNC	comp-Z,384nm,22.0s						
M43A	Waltham Townsh	130.63	77	P	PKPdf	07 22 22.4	+0.6
K40A	Colesburg	130.72	74	P	PKPdf	07 22 22.9	+1.1
L42A	Oliver, Polo	130.78	76	P	PKPdf	07 22 24.0	+1.9
I37A	Lemond, Waseca	130.82	71	P	PKPdf	07 22 23.0	+0.9
BLA	Blacksburg	130.92	87	PFAKE	LR	07 22 30.0	+7.5
BLA	comp-Z,245nm,19.0s						
N49A	Decorah	130.99	73	P	PKPdf	07 22 23.5	+1.1
J36A	Monticello	131.16	79	P	PKPdf	07 22 24.4	+1.6
JFWS	Jewell Farm	131.27	75	PFAKE	LR	07 22 30.0	+7.0
JFWS	comp-Z,341nm,19.0s						
JFWS	Jewell Farm	131.27	75	P	PKPdf	07 22 24.5	+1.5
I38A	Scanlan Farm,	131.30	72	P	PKPdf	07 22 23.8	+0.8
K42A	Prairie Point,	131.55	76	P	PKPdf	07 22 25.1	+1.6
COLA	College	131.86	22	PFAKE	LR	07 22 30.0	+6.7
COLA	comp-Z,1.0nm,19.0s						
IL1	Eielson Array	131.93	23	ePKPdf	PKPdf	07 22 21.7	-1.8
ILAR	Eielson Array	131.93	23	PKP	PKPdf	07 22 22.5	-1.0
ILB	Eielson Array	131.93	23	ePKPdf	PKPdf	07 22 23.1	-0.4
IM3	Indian Mountai	131.97	19	ePKPdf	PKPdf	07 22 23.2	-0.3
ACSO	Alum Creek Sta	132.27	83	PFAKE	LR	07 22 30.0	+5.1
ACSO	comp-Z,288nm,20.0s						
DAWY	Dawson	132.71	27	ePKPdf	PKPdf	07 22 23.9	-1.2
EGAK	Eagle	132.99	26	PFAKE	LR	07 22 40.0	+1.5
EGAK	comp-Z,668nm,20.0s						
CBN	Corbin Frederi	133.10	89	PFAKE	LR	07 22 40.0	+1.3
CBN	comp-Z,449nm,20.0s						

AAM	Ann Arbor	133.65	81	PFAKE	LR	07 22 40.0	+1.3
AAM	comp-Z,327nm,19.0s						
COWI	Conover	134.30	73	PFAKE	LR	07 22 40.0	+1.1
COWI	comp-Z,428nm,19.0s						
KURBB	Kurchatov Arra	134.45	297	PKHKP	PKPpre	07 22 24.3	
KURK	Kurchatov	134.48	297	PKPpre	PKPpre	07 22 24.3	
KURK	comp-Z,415nm,20.0s						
KURK	Kurchatov	134.48	297	PKIKP	PKPpre	07 22 24.3	
EYMM	Ely	134.76	70	PFAKE	LR	07 22 40.0	+1.1
EYMM	comp-Z,359nm,20.0s						
GLMI	Grayling	135.24	78	PFAKE	LR	07 22 40.0	+1.0
GLMI	comp-Z,279nm,19.0s						
FFC	Filin Flon	135.87	56	PFAKE	LR	07 22 40.0	+8.8
FFC	comp-Z,515nm,20.0s						
BINY	Binghamton	136.96	87	PFAKE	LR	07 22 40.0	+6.3
BINY	comp-Z,410nm,20.0s						
INK	Yellowknife Ar	137.59	47	ePKIKP	PKPdf	07 22 32.3	-1.6
YKA	Yellowknife Ar	137.63	42	PKP	PKPpre	07 22 28.6	
YKA	comp-Z,1.6nm,0.8s,baz=219.5,slow=3.1,SNR=4.8						
TIXI	Tiksi	138.06	342	PFAKE	LR	07 22 50.0	+1.5
TIXI	comp-Z,415nm,21.0s						
TIXI	Tiksi	138.06	342	PKIKP	PKPdf	07 22 38.2	+3.5
LONY	Lake Ozonia	139.50	86	PFAKE	LR	07 22 50.0	+1.2
LONY	comp-Z,393nm,21.0s						
BVAR	Borovoye Array	139.56	294	PKHKP	PKPpre	07 22 30.6	
BVAR	comp-Z,0.2nm,0.3s,baz=163.5,slow=5.4,SNR=3.2						
BRVK	Borovoye	139.62	294	PFAKE	LR	07 22 50.0	+1.2
BRVK	comp-Z,158nm,21.0s						
BRVK	Borovoye	139.62	294	ePKIKP	PKPdf	07 22 38.1	-0.1
BRVK	comp-Z,18nm,2.5s						
GNI	Garni	140.79	259	PFAKE	LR	07 22 50.0	+9.1
GNI	comp-Z,469nm,21.0s						
PKME	Peaks-Kenny Pk	142.36	90	PFAKE	LR	07 22 50.0	+6.7
PKME	comp-Z,413nm,19.0s						
GROC	Groznyy	142.79	263	ePKIKP	PKPdf	07 22 46.2	+2.0
GROC	comp-Z,32nm,0.7s						
AKTO	Aktuybinsk	142.90	282	PKP	PKPdf	07 22 41.6	-2.5
AKTO	comp-Z,0.8nm,0.3s,baz=43,slow=1.9,SNR=4.7						
ZEI	Tsey	143.30	261	PKIKP	PKPbc	07 22 42.8	+0.3
ZEI	comp-Z,20nm,1.5s						
NCK	Karpathos	144.00	262	ePKIKP	PKPbc	07 22 44.3	0.0
KARP	Karpathos	144.08	236	ePKIKP	PKPdf	07 22 45.1	+0.3
NEY	Neytrino	144.19	260	ePKIKP	PKPdf	07 22 46.5	-0.4
KBZ	Khabaz	144.49	261	PKP	PKPab	07 22 45.2	-0.3
KBZ	comp-Z,7.5nm,1.0s,baz=119,slow=1.9,SNR=15						
IDI	Anoyia	144.67	233	PKP	PKPbc	07 22 47.2	+0.4
IDI	comp-Z,24nm,1.0s,baz=180,slow=2.0,SNR=3.4						
IDI	Anoyia	144.67	233	PKP	PKPdf	07 22 47.6	-0.2
KIV	Kislovodsk	144.76	261	PFAKE	LR	07 23 00.0	+1.2
KIV	comp-Z,265nm,20.0s						
KIV	Kislovodsk	144.76	261	PKIKP	PKPdf	07 22 48.0	+0.2
KIV	comp-Z,31nm,1.0s						
Isparita	Isparita	144.80	242	ePKIKP	PKPab	07 22 47.0	0.0
LMN	Galedonia Moun	144.81	94	ePKIKP	PKPdf	07 22 45.2	+1.3
NRIK	Nail'sk	144.86	322	PKPbc	PKPab	07 22 45.5	-0.6
NRIK	comp-Z,2.6nm,0.9s,baz=143,slow=2.0,SNR=3.9						
BRTR	Keskin Array B	145.17	247	PKPbc	PKPbc	07 22 48.1	-0.1
BRTR	comp-Z,5.7nm,1.0s,baz=172,slow=5.8,SNR=18						
BRTR	Keskin Array B	145.17	247	ePKIKP			

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ISCJB 24 07:42:33.2.0.3, 1.29S;0.04:120.09E:0.05,h10km, mb4.4/21,MS4/28,Error ellipse: s-maj=7.9km s-min=5.0km az=160.9

DJA 24 07:42:34.0.0.3, 1.53S;12.0E:1.10km,M4.4/11,mb4.4/1, MLv4.4/11

NEIC 24 07:42:38.3.0.4, 1.27S;120.27E,h35km,mb4.6/6,Error ellipse: s-maj=15.6km s-min=7.1km az=58.0

ISC 24 07:42:35.2.0.5, 1.29S;0.05:120.09E:0.06,h10km,n50, c=212/51,mb4.5/21,MS4.5/9,Sulawesi

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

SOME 24 07:43:13.6, 40.33N;74.53E,h10km
KRNET 24 07:43:14.1, 40.42N;74.44E,h14km,mb3.3
NCC 24 07:43:15.0, 40.45N;74.40E,h0km,mb3.6,mpv3.3

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

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

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like V41A Mountainview, TKL Tuckaleechee C, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BOZ Bozeman (W), LRM Limekiln Ridge, and many others.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MBWH, MLYW Lee's Yard, and many others.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JFFD, JIO, JFT, etc.

SJA 24 08:38:02.5-0.7, 36.245S-67.822W, h94km, 37km, ML3.5, MW3.6, Southern Argentina

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

DDA 24 08:52:12.7, 37.19N-28.21E, h7km, M2.6, Suspected Mining explosion

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

ISCJB 24 08:59:40.6-0.8, 64.66N-0.04-30.41E-0.09, h0km, Error ellipse: s-maj=7.0km s-min=4.3km az=43.8

HEL 24 08:59:41.4-0.4, 64.60N-30.82E, h0km, M2.2, Explosion
IDC 24 08:59:42.7-2.2, 64.56N-31.35E, h0km, mb1 3.0/4, mb1mx2.8/79, mbtmp3.0/4, M2.3/4, Error ellipse: s-maj=30.3km s-min=9.9km az=106.0

MOS 24 08:59:42.8, 64.67N-30.94E, M2.2, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014)

KOLA 24 08:59:43.2, 64.69N-30.42E, h0km
NAO 24 08:59:44.1-1.8, 64.64N-30.29E, M2.5
ISC 24 08:59:42.4-1.1, 64.67N-0.04-30.46E-0.06, h0km, n19, r154/32, Finland-Karelia border region

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

APAO 24 08:59:43.2, 64.69N-30.42E, h0km
NAO 24 08:59:44.1-1.8, 64.64N-30.29E, M2.5
ISC 24 08:59:42.4-1.1, 64.67N-0.04-30.46E-0.06, h0km, n19, r154/32, Finland-Karelia border region

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

ASRS 24 09:05:23.5, 53.82N-91.13E, M3.3, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 24 09:05:34.0, 3.3, 53.44N-90.53E, h0km, mb1 3.4/3, mb1mx3.0/83, mbtmp3.4/3, M2.7/3, Error ellipse: s-maj=27.6km s-min=22.5km az=62.6

NNC 24 09:05:36.4-4.6, 53.22N-90.52E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=36.3km s-min=23.3km az=95.0, Suspected Mining explosion

ISC 24 09:05:36.6-4.1, 53.30N-0.1-90.4E-0.2, h0km, n9, r167/12, 6C-6D, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I46RU, ZAAO, ZAAO, etc.

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

IDC 24 09:01:49.2, 2.5, 36.24N-70.42E, h183km, 22km, mb3.6/15, mb1 3.6/21, mb1mx3.3/78, mbtmp4.1/21, Error ellipse: s-maj=15.8km s-min=13.4km az=136.0
ISCJB 24 09:01:50.9, 0.4, 36.45N-70.42E-0.06, h204km, mb3.7/15, Error ellipse: s-maj=7.3km s-min=3.7km az=167.6
NNC 24 09:01:53.2, 3.0, 36.87N-70.13E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=24.8km s-min=21.2km az=143.0
ISC 24 09:01:51.6, 0.5, 36.41N-70.44E-0.07, h204km, n50, r142/58, mb3.7/15, 3C-7D, Hindu Kush region

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

UCH 24 09:27.3+0.2, Uchirchik

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KK31, KK31, KK31, etc.

AAK 24 09:31.7+0.4, AAK

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

AAK 24 09:31.5+0.1, AAK

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

AAK 24 09:31.8+0.4, AAK

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

AAK 24 09:31.5+0.1, AAK

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

AAK 24 09:31.8+0.4, AAK

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

AAK 24 09:31.5+0.1, AAK

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

AAK 24 09:31.8+0.4, AAK

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

AAK 24 09:31.5+0.1, AAK

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

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

KURB 24 09:29.8-1.9, KURB

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

KURB 24 09:30.8-0.9, KURB

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

KURB 24 09:30.3-0.7, KURB

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

KURB 24 09:30.8-0.9, KURB

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

KURB 24 09:30.3-0.7, KURB

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

KURB 24 09:30.8-0.9, KURB

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

KURB 24 09:30.3-0.7, KURB

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

KURB 24 09:30.8-0.9, KURB

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

KURB 24 09:30.3-0.7, KURB

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

KURB 24 09:30.8-0.9, KURB

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

KURB 24 09:30.3-0.7, KURB

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for MK31 Manakani Array and MK31 12nm, 1.4s.

MAN 24 09:32:16.7, 13:50N, 120:55E, h35km, mb4.7, ML3.6,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for LUBP Lubang and SJPMP San Jose.

MEX 24 09:57:13.4, 0.4, 15:73N, 93:98W, h65km, 12km, MD3.7,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for PCIG 0.74 92 eP and TGIG 1.33 38 eS.

NMC 24 10:01:52.8, 8.5, 52:325N, 77:80E, h0km, mb3.6, mpv3.3,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for KURK Kurchatov and BRVK Borovoye.

BUI 24 10:01:51.9, 33:30S, 179:40W, h34km, mb5.4/34,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NEIC 24 10:01:53.9, 0.6, 33:44S, 179:53W, h38km, 5km, mb5.2/3,

MOS 24 10:01:53.1, 0.9, 33:20S, 179:47W, h36km, mb5.7/46,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for NEIC 24 10:01:55.0, 0.0, 33:05S, 179:19W, h45km, Moment Tensor Solution.

GCMT 24 10:01:56.9, 0.1, 33:32S, 0:01, 179:17W, 0:01, h54km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RAO Raoul Island and URZ Urewhera.

ISC 24 10:01:55.0, 0.5, 33:20S, 0:04, 179:21W, 0:04, h48km, 3km,

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RAO Raoul Island, URZ Urewhera, OUZ Omahuta, and many others.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for ODZ Otahua Downs, WZK Wanaka, WHZ Waihoi Hill, and many others.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RKT Rikitea, AS01 Alice Springs, ASAR Alice Springs, and many others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BMN Battle Mountain, KLR Kul'dur, H04A Detroit Lake, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TALS Snake Pit, P17A Butcher Ranch, M0C0 Mesa Verde, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YMR Madison River, H17A Grant Village, AMTX Amarillo, etc.

24d 10h

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like 541A Jilco Farms, P39B Salisbury, BRAL Brewton, etc.

2012 AUG

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like EYMN Ely, Y34A Natural Harves, R49A Shelbyville, etc.

1122

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like KSH, VLDO PAL, NRIK, KZA, TKM2, etc.

KBS	Kingsbay	133.99 357	ePKPdf	PKPdf	10 21 06.6 +0.9
KBS			LR	LR	
comp=Z,452nm,22.0s					
KBS	Kingsbay	133.99 357	ePKPdf	PKPdf	10 21 06.3 +0.6
SPAD	Spitsbergen Ar	134.47 356	ePKPdf	PKPdf	10 21 07.1 +0.5
SPAD	Spitsbergen Ar	134.47 356	ePKPdf	PKPdf	10 21 06.9 +0.3
SPITS	Spitsbergen Ar	134.47 356	PKP	PKPdf	10 21 06.2 -0.4
comp=Z,45nm,0.6s,baz=36,slow=10,SNR=36					
SKPbc					
SPITS					10 24 31.6 -0.7
ARU	Arti	134.60 319	ePKPdf	PKPdf	10 21 06.6 -0.8
ARU			LR	LR	
comp=Z,387nm,21.0s					
ARU	Arti	134.60 319	iPKIP	PKPdf	10 21 07.3 -0.1
ARU			MLR	MLR	
comp=Z,423nm,27.0s					
SFJD	Kangerlussuaq	135.02 26	PKP	PKPdf	10 21 08.5 +0.6
comp=Z,1.00nm,0.5s,baz=27,slow=3,SNR=5.6					
SFJD					10 24 33.8 -0.5
SKPbc					
SFJD	Kangerlussuaq	135.02 26	PKP	PKPdf	10 21 08.5 +0.6
SFJD			SKPbc	SKPbc	10 24 33.8 -0.5
SFJD			LR	LR	
comp=Z,704nm,21.0s					
SFJD	Kangerlussuaq	135.02 26	iP	PKPdf	10 21 07.4 -0.4
AKTO	Aktuyubinsk	135.22 310	PKP	PKPdf	10 21 07.6 -1.1
comp=Z,1.4nm,0.7s,baz=92,slow=1.2,SNR=28					
AKTO	Aktuyubinsk	135.22 310	PKP	PKPdf	10 21 09.2 +0.5
AKTO			PKPmax	PKPmax	
comp=Z,1.9nm,0.9s					
HSPB	Hornsund (broa	135.66 355	ePKPdf	PKPdf	10 21 09.0 +0.2
SUMG	Summit	135.73 16	ePKPpre	PKPpre	10 21 03.9
SUMG	Summit	135.73 16	iP	PKPpre	10 21 06.1
SUMG	Summit	135.73 16	ePKP	PKPpre	10 21 03.9
IMBAR	Mbarara	136.08 226	ePKP	PKPdf	10 21 13.2 +1.5
comp=Z,1.8nm,0.2s,baz=104,slow=15,SNR=4.2					
IMBAR	Mbarara	136.08 226	PKP	PKPdf	10 21 13.2 +1.5
IMBAR			LR	LR	
IVI	Wigtur	138.07 33	ePKPpre	PKPpre	10 21 08.3
RAYN	Ar Rayn	139.75 268	PFake	PKP	10 21 30.0 +1.2
RAYN			LR	LR	
comp=Z,602nm,21.0s					
PRGR	Permogor	139.76 329	ePKHKP	PKPpre	10 21 08.7
PRGR			PKPmax	PKPmax	
comp=Z,1.9nm,0.6s					
HAMF	Hammerfest	140.54 348	ePKPdf	PKPdf	10 21 18.9 +1.0
KEV	Kevo	140.66 346	ePKPdf	PKPdf	10 21 15.3 -2.8
KEV			LR	LR	
comp=Z,867nm,22.0s					
APA	Apatity	140.80 341	iPKHKP	PKPpre	10 21 12.3
APA			PKPmax	PKPmax	
comp=Z,20nm,0.9s					
ARCES	ARCES Array B	141.14 346	PKHKP	PKPpre	10 21 12.6
ARCES	ARCES Array B	141.14 346	PKP	PKPdf	10 21 20.3 +1.2
comp=Z,3.9nm,0.7s,baz=24,slow=1.1,SNR=37					
ARCES					10 24 52.5 +0.6
SKPbc					
AREO	ARCES Array S	141.14 346	ePKPpre	PKPpre	10 21 13.4
AREO	ARCES Array S	141.14 346	ePKPpre	PKPpre	10 21 12.6
KTK1	Kautokeino	142.02 347	ePKPdf	PKPpre	10 21 16.9
TRO	Tromso	142.20 350	ePKPpre	PKPpre	10 21 15.7
KLMR	Klimovskoe	142.75 330	ePKHKP	PKPmax	10 21 17.3
KLMR			PKPmax	PKPmax	
comp=Z,36nm,0.9s					
KLMR	Klimovskoe	142.75 330	ePKPdf	PKPpre	10 21 17.4
KLMR			AMP	AMP	10 21 25.6
comp=Z,36nm,0.9s					
KLMR			eSKP	LO	10 24 52.9
KLMR			LO	LO	11 15 52.3
KLMR			LR	LR	11 18 41.8
GROC	Groznyy	143.67 299	ePKHKP	PKPpre	10 21 19.6
GROC			PKPmax	PKPmax	
comp=Z,45nm,0.7s					
STEI	Steigen	144.29 351	ePKPdf	PKPab	10 21 22.8 +0.1
LOF	Lotofen	144.32 352	ePKPdf	PKPab	10 21 22.5 -0.3
GNI	Garni	144.39 294	ePKPdf	PKPab	10 21 23.6 -0.6
comp=Z,29nm,1.1s,baz=36,slow=3,SNR=12					
GNI	Garni	144.39 294	ePKPdf	PKPab	10 21 24.1 -0.1
GNI			LR	LR	
comp=Z,415nm,21.0s					
GNI	Garni	144.39 294	P	PKPab	10 21 22.8 -1.4
comp=Z,3.5nm,0.5s					
TBLG	Delisi	144.44 297	ePKPdf	PKPab	10 21 23.8 -0.4
TBLG	Delisi	144.44 297	ePKIPK	PKPab	10 21 23.8 -0.4
ZEI	Tsey	145.06 299	iPKHKP	PKPpre	10 21 22.9
ZEI			PKPmax	PKPmax	
comp=Z,32nm,0.6s					
VRH	Novokhoporsky	145.34 314	ePKP2	PKPbc	10 21 25.6 -1.3
VRH			PKPmax	PKPmax	
comp=Z,90nm,0.7s					
AKH	Akhalkalaki	145.38 296	iP	PKPbc	10 21 26.8 -0.8
AKH	Akhalkalaki	145.38 296	ePKPbc	PKPbc	10 21 27.0 -0.6
AKH	Akhalkalaki	145.38 296	ePKIPK	PKPbc	10 21 27.0 -0.6
GOF	Gofitskye	145.95 303	iPKIPK	PKPdf	10 21 26.8 -0.8
GOF			PKPmax	PKPmax	
comp=Z,220nm,1.0s					
BORG	Borgarnes	145.70 17	PKPbc	PKPdf	10 21 26.9 -0.3
comp=Z,128nm,1.0s,baz=295,slow=2.1,SNR=22					
BORG	Borgarnes	145.70 17	ePKPdf	PKPab	10 21 29.0 +1.0
BORG			LR	LR	
comp=Z,204nm,19.0s					
KBZ	Khabaz	145.76 300	PKPbc	PKPdf	10 21 27.4 -0.6
comp=Z,211nm,0.7s,baz=94,slow=3.8,SNR=49					
KVAR	Kislovodsk Arr	145.89 301	PKPbc	PKPdf	10 21 27.0 -1.3
comp=Z,24nm,1.0s,baz=76,slow=1.1,SNR=31					
KIV	Kislovodsk	145.90 301	ePKP	PKPbc	10 21 28.9 -0.1
KIV			ePKPdf	PKPbc	
comp=Z,372nm,22.0s					
KIV	Kislovodsk	145.90 301	iPKIP	PKPdf	10 21 27.7 -0.6
KIV			PKPmax	PKPmax	
comp=Z,42nm,1.1s					
KONS	Konsvik	145.93 351	ePKPdf	PKPbc	10 21 28.1 -0.1
MOS	Moscow	146.05 323	ePKHKP	PKPpre	10 21 25.4
MOS			PKPmax	PKPmax	
comp=Z,471nm,1.4s					
VORR	Voronezh	146.72 315	iPKIPK	PKPdf	10 21 29.0 -0.3
VORR			PKPmax	PKPmax	
comp=Z,550nm,2.0s					
OBN	Obninsk	146.86 322	ePKPdf	PKPbc	10 21 30.6 -0.7
OBN			LR	LR	
comp=Z,288nm,22.0s					
OBN	Obninsk	146.86 322	iPKIPK	PKPdf	10 21 29.3 -0.1
OBN			i	i	10 21 36.8
OBN			i	i	10 25 00.0
comp=Z,390nm,1.0s					
VORD	Divnogorie	146.88 314	ePKP2	PKPbc	10 21 30.6 -0.9
VORD			PKPmax	PKPmax	
comp=Z,70nm,0.6s					
VSR	Storozhevoye	146.88 314	ePKIPK	PKPdf	10 21 29.5 -0.1
VSR			PKPmax	PKPmax	
comp=Z,190nm,1.0s					
PUL	Pulkovo	147.12 333	iPKP2	PKPab	10 21 34.4 +0.8
PUL			PKPmax	PKPmax	
comp=Z,256nm,0.6s					
FIA1	FINES Array S	147.43 338	ePKPdf	PKPdf	10 21 29.6 -0.5
FIA1			ePKPdf	PKPdf	10 21 30.2 0.0
FINES	FINES Array B	147.43 338	PKP	PKPdf	10 21 28.8 -1.4
comp=Z,183nm,0.7s,baz=116,slow=3.2,SNR=196					
FINES			SKPbc	SKPbc	10 21 31.9 -0.8
NSS	Namsos	147.56 351	ePKPdf	PKPdf	10 21 30.9 0.0
NSS			ePKPbc	PKPbc	10 21 33.9 -0.1
SOC	Sochi	148.07 300	ePKHKP	PKPpre	10 21 29.5
SOC			i	i	10 21 36.4
SOC			e	e	10 25 00.6
comp=Z,3.0nm,1.0s					
SOC			PKPmax	PKPmax	
comp=Z,2.0nm,0.5s					
VSU	Vasula	149.37 333	iPKP2	PKPbc	10 21 37.6 -0.2
VSU			PKPmax	PKPmax	
comp=Z,743nm,1.3s					
ANN	Anapa	149.54 303	ePKIPK	PKPdf	10 21 31.7 -2.4
ANN			i	i	10 21 37.0
ANN			i	i	10 25 06.9
comp=Z,165nm,1.0s					
ASF	Jabal al Asfar	149.70 278	PKP	PKPdf	10 21 34.5 -0.4
comp=Z,6.5nm,0.9s,baz=50,slow=1.9,SNR=7.2					
ASF			PKPbc	PKPbc	10 21 39.4 -0.3
comp=Z,35nm,0.8s,baz=73,slow=1.7,SNR=59					
MOL	Moide	150.36 354	ePKPdf	PKPdf	10 21 35.4 +0.5

MOL	Dombas	150.72 352	ePKPbc	PKPbc	10 21 40.4 +0.2
DOMB	Dombas		ePKPdf	PKPdf	10 21 35.6 +0.1
DOMB			ePKPbc	PKPbc	10 21 42.1 +0.1
EIL	Elat	150.72 352	PKPbc	PKPab	10 21 48.6 -0.6
comp=Z,60nm,0.9s,baz=20,slow=2.0,SNR=53					
AKN	Aknaf	150.83 349	ePKPdf	PKPdf	10 21 36.7 +1.1
RCY	Rachaya	150.82 280	eP	PKPbc	10 21 42.1 -0.3
BHL	Bhannes	151.03 281	eP	PKPbc	10 21 42.5 -0.3
DMRL	Deir Qamar	151.07 281	eP	PKPbc	10 21 42.8 -0.1
MMAL	Muhamd Meron Ar	151.10 279	PKP	PKPdf	10 21 35.5 -1.6
comp=Z,1.2nm,0.6s,baz=125,slow=9,SNR=2					
MMAL			PKPbc	PKPbc	10 21 43.0 0.0
comp=Z,94nm,0.7s,baz=79,slow=4.3,SNR=100					
NC305	NORSAR Array S	151.12 349	ePKPdf	PKPdf	10 21 36.8 -0.1
NC301	NORSAR Array S	151.13 349	ePKPdf	PKPdf	10 21 35.9 -0.2
NC302	NORSAR Array S	151.15 349	ePKPdf	PKPdf	10 21 36.9 -0.1
NC300	NORSAR Array S	151.15 349	ePKPdf	PKPdf	10 21 35.8 -0.4
NC302	NORSAR Array S	151.17 349	ePKPdf	PKPdf	10 21 36.5 +0.3
NC205	NORSAR Array S	151.18 350	ePKPdf	PKPdf	10 21 36.7 +0.4
NC201	NORSAR Array S	151.19 350	ePKPdf	PKPdf	10 21 36.7 +0.3
NC303	NORSAR Array S	151.19 349	ePKPdf	PKPdf	10 21 36.2 0.0
NC200	NORSAR Array S	151.22 350	ePKPdf	PKPdf	10 21 36.7 +0.3
NC202	NORSAR Array S	151.24 350	ePKPdf	PKPdf	10 21 36.2 -0.3
NC204	NORSAR Array S	151.24 350	ePKPdf	PKPdf	10 21 36.7 +0.3
NC405	NORSAR Array S	151.25 349	ePKPdf	PKPdf	10 21 35.8 -0.5
NC203	NORSAR Array S	151.26 350	ePKPdf	PKPdf	10 21 36.4 0.0
NC404	NORSAR Array S	151.27 349	ePKPdf	PKPdf	10 21 36.9 +0.3
NC404	NORSAR Array S	151.27 349	ePKPdf	PKPdf	10 21 36.0 -0.4
NC404			PKPbc	PKPbc	10 21 42.0 -0.4
NC400	NORSAR Array S	151.28 349	ePKPdf	PKPdf	10 21 36.4 0.0
NC402	NORSAR Array S	151.30 349	ePKPdf	PKPdf	10 21 36.3 -0.7
NC403	NORSAR Array S	151.31 349	ePKPdf	PKPdf	10 21 35.7 -0.7
NC404	NORSAR Array S	151.32 349	ePKPdf	PKPdf	10 21 36.9 +0.3
NB201	NORSAR Array S	151.37 349	ePKPdf	PKPdf	10 21 36.9 +0.3
NB204	NORSAR Array S	151.39 349	ePKPdf	PKPdf	10 21 36.4 -0.2
NB2	NORSAR Subarray1	151.39 349	PKP	PKPbc	10 21 42.2 -0.5
comp=Z,114nm,0.7s,baz=17,slow=2.6					
NB2			PKPdf	PKPbc	10 21 42.2 -0.5
baz=17,slow=2.6					
NOA	NORSAR Array S	151.39 349	ePKPdf	PKPdf	10 21 36.5 -0.1
NOA	NORSAR Array B	151.39 349	PKP	PKPdf	10 21 35.2 -1.4
comp=Z,1.4nm,0.9s,baz=28,slow=1.8,SNR=37					
NOA			PKPbc	PKPbc	10 21 41.9 -0.8
comp=Z,68nm,0.8s,baz=34,slow=7.4,SNR=258					
NB202	NORSAR Array S	151.41 349	ePKPdf	PKPdf	10 21 36.9 +0.3
NB203	NORSAR Array S	151.43 349	ePKPdf	PKPdf	10 21 36.5 -0.1
NB201	NORSAR Array S	151.44 350	ePKPdf	PKPdf	10 21 36.6 0.0
NB205	NORSAR Array S	151.44 350	ePKPdf	PKPdf	10 21 36.9 +0.3
MICGM	Minsk	151.46 326	eP	PKPpre	10 21 32.0
MNK	Minsk	151.46 326	ePKIPK	PKPpre	10 21 32.0
NO00	NORSAR Array S	151.47 350	ePKPdf	PKPdf	10 21 36.8 +0.1
NB003	NORSAR Array S	151.48 350	ePKPdf	PKPdf	10 21 36.8 +0.1
NC004	NORSAR Array S	151.49 350	ePKPdf	PKPdf	10 21 37.0 +0.4
FOO	Flo	151.52 356	ePKPdf	PKPdf	

24d 11h

Table with columns for station name, coordinates, and various parameters. Includes stations like VRAC, VRAC, MDRV, BUD, KRUC, GOPC, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like PESTR, PFVI, PFVI, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like MJAR, MJAR, MJAR, etc.

ISCJB 24 11:41:48.7,0.6,5.56N,0.07:125.37E,0.09,h142km,6km, mb3.8/7, Error ellipse: s-maj=15.4km s-min=10.8km az=4.5

MAN 24 11:41:49.6,1.5,5.56N,125.35E,h133km,mb4.8,ML3.7, MS3.7

IDC 24 11:41:49.7,1.5,5.58N,125.31E,h134km,15km,mb3.6/7, mb1 3.7/7, mb1mx3.6/5, mbtmp3.9/7, MS3.1/3, Ms1 3.1/3, ms1mx2.7/5.5, Error ellipse: s-maj=49.3km s-min=12.5km az=75.0

ISC 24 11:41:49.3,0.9,5.52N,0.08:125.48E,0.09,h128km,7km, n16, c18/29/23, mb3.8/7, 2D, Mindano

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Don Marcelino, General Santos, Bagumbayan, Davao City, Warramunga, Alice Springs, etc.

CASC 24 11:44:21.3,0.7,8.50N,83.10W,h0km,6km,MD3.8,1C-2D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Cerro Adams, Las Mercedes, Buena Vista, Quepos, Urasca, Volcan Turrial, Heredia, Cerro Gallo, etc.

NDI 24 12:09:59.2,2.9,26.37N,92.73E,h35km,8km,ML3.1

ISC 24 12:10:00.2,1.4,26.49N,0.06:92.66E,0.04,h34km,3km, n10, c18/17/17, Northeastern India

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TEZPUR, GUWAHATI, GUWA, ITANAGAR, Shilong, ZIRO, KOHIMA, etc.

IDC 24 12:20:05.1,1.6,1.62N,127.31E,h0km,mb3.6/4, mb1 3.7/5, mb1mx3.5/9, mbtmp3.6/5, ML3.8/1, Error ellipse: s-maj=112.0km s-min=19.2km az=70.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Fitzroy Crossi, Warramunga, Alice Springs, Makanchi Array, Kurchatov Arra, etc.

ISCJB 24 12:31:16.3,0.6,18.6S,0.1:175.4W,0.1, h238km, mb3.8/13, Error ellipse: s-maj=21.1km s-min=11.6km az=139.5

IDC 24 12:31:16.4,2.5,18.6S,175.30W,h223km,24km, mb3.7/13, mb1 3.9/14, mb1mx3.6/9, mbtmp3.6/9, Error ellipse: s-maj=12.6km s-min=14.0km az=140.0, Tonga Islands

ISC 24 12:31:17.4,0.7,18.5S,0.1:175.3W,0.1, h238km, n15, c25/21/18, mb3.9/13, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Afiamalu, Charters Tower, Stephens Creek, Warramunga Arr, etc.

NEIC 24 12:32:34.9,0.7,33.59S,179.02W,h35km,mb4.5/1, Error ellipse: s-maj=22.8km s-min=10.8km az=116.0

ISCJB 24 12:32:37.4,0.6,33.39S,0.07:179.4W,0.1, h55km, mb4.6/10, MS3.5/6, Error ellipse: s-maj=16.3km s-min=8.3km az=30.0

IDC 24 12:32:42.6,3.3,33.27S,179.26W,h95km,27km,mb4.1/8, mb1 4.3/9, mb1mx3.9/48, mbtmp4.5/9, MS3.5/8, Ms1 3.5/8, ms1mx3.0/50, Error ellipse: s-maj=22.4km s-min=18.7km az=175.0

ISC 24 12:32:38.1,0.6,33.45S,0.07:179.3W,0.1, h55km, n43, c18/7/39, mb4.6/10, MS3.6/6, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Raoul Island, Urewera, South Karori, Rata Peaks, etc.

CASY Casey, 51.92 209 eP

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Baunata, Guam, MAW, SNA, etc.

ISCJB 24 12:39:07.9,0.6,32.36N,0.03:8.13W,0.08,h10km, Error ellipse: s-maj=4.4km s-min=4.1km az=178.5

CNRM 24 12:39:08.4,32.29N,7.99W,h0km,ML2.9

INMG 24 12:39:12.2,0.5,32.48N,7.69W,h0km,ML2.3, Error ellipse: s-maj=7.5km s-min=2.8km az=63.0

ISC 24 12:39:08.5,1.0,32.29N,0.04:7.92W,0.06,h10km, n16, c19/7/21, Morocco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Toumidit, Keskar Array B, Malin Array B, etc.

ISCJB 24 12:39:07.9,0.6,32.36N,0.03:8.13W,0.08,h10km, Error ellipse: s-maj=4.4km s-min=4.1km az=178.5

CNRM 24 12:39:08.4,32.29N,7.99W,h0km,ML2.9

INMG 24 12:39:12.2,0.5,32.48N,7.69W,h0km,ML2.3, Error ellipse: s-maj=7.5km s-min=2.8km az=63.0

ISC 24 12:39:08.5,1.0,32.29N,0.04:7.92W,0.06,h10km, n16, c19/7/21, Morocco

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Oukaimeden, OUK, TTIG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Col de Zad, Midelt, Sarsar, Vila Bisbo, etc.

TRN 24 12:41:32.1,11.37N,59.16W,h17km,MD3.8, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Speyside, Saint Philip, Gun Hill, Trinidad (W), Grenville, St. Vincent, Belmont, etc.

SJA 24 12:58:40.5,0.3,30.45S,72.29W,h2km,7km,ML3.7, MWV3.7

ISCJB 24 12:58:43.1,1.4,30.45S,0.04:72.4W,0.1, h16km, Error ellipse: s-maj=14.4km s-min=5.5km az=12.1

GUC 24 12:58:43.9,0.6,30.43S,72.21W,h44km,9km,ML3.8

ISC 24 12:58:43.8,2.2,30.42S,0.05:72.3W,0.1, h16km, n12, c18/09/18, 1C-1D, Off coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Tololo Observa, Las Campanas, Cuesta del Vie, El Roble, etc.

MEX 24 13:14:04.6,0.6,14.47N,93.16W,h16km,116km,MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Comitan, Comitan, TGIG, etc.

SOME 24 13:15:44.5,44.62N,82.12E,h25km

NMC 24 13:15:45.6,1.4,44.82N,81.74E,h0km,mb3.7,mpv3.3, Error ellipse: s-maj=15.1km s-min=4.6km az=117.0

ISC 24 13:15:43.1,2.3,44.87N,0.05:82.0E,0.08,h3km,14km, n24, c18/76/42, 8C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JarKent, Komten, Kapalarasan, Makanchi Array, etc.

24d 16h

Table with columns: KOTS, MDOK, KTBS, TNSS, KUU, MTBS, KST, DGS, KURBB, KURK, KURK. Includes station names, coordinates, and times.

ISCJB 24 13:17:43.0.0.5, 39.07N, 0.04-29.15E, 0.04, h8km, 4km, Error ellipse: s-maj=7.1km s-min=4.8km az=173.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SHAP, SIMA, SMAA, GDZ, DEMI, KULA, DURS, MAINT, KHAL, STEP, IGEP, CAVI, BORA, YLV, SBTS.

IDC 24 13:41:45.3.2.5, 2.85N, 129.25E, h0km, mb3.4/4, mb1 3.5/4, mb1mx3.3/5, mbtpp3.4/4, Error ellipse: s-maj=192.0km s-min=21.3km az=70.0, Halimahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, MKAR, KURBB.

ISCJB 24 14:22:59.7.0.7, 39.94N, 0.03-33.12E, 0.05, h0km, Error ellipse: s-maj=5.9km s-min=4.6km az=163.1

ISC 24 14:23:00.1, 39.90N, 33.11E, h7km, ML2.6, Suspected Mining explosion.

ISC 24 14:22:57.8.1.2, 39.92N, 0.04-33.23E, 0.06, h0km, n10, c058/15, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ANTO, LOD, LOD, AFSA, AFSR, ELDT, KKUL, KKUL, CMDR, CDAG, CBAM, YENICAYA, KIZIT.

IDC 24 15:42:21.4.2.1, 27.81S, 176.82W, h0km, mb3.5/2, mb1 3.7/2, mb1mx3.5/47, mbtpp3.5/2, MS2.8/2, Ms1 2.8/2, s-min=25.9km az=121.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like RAO, URZ, DZM, PPT, ASAR, WRA, NB2, NOA, HFS.

IDC 24 15:41:57.4.2.2, 32.57S, 178.69W, h65km, 19km, mb3.8/4, mb1 4.1/6, mb1mx3.6/51, mbtpp4.2/6, Error ellipse: s-maj=50.9km s-min=11.7km az=112.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like RAO, RAO, URZ, URZ.

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Table with columns: CTA, ASAR, WRA, FITZ, FINES. Includes station names, coordinates, and times.

ISCJB 24 15:48:07.4.0.6, 34.52N, 0.02-33.35E, 0.04, h7km, 4km, Error ellipse: s-maj=5.7km s-min=2.6km az=161.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CSS, AKIN, SZAC, SZAC, MAMC, LEF, LEF, ALFC, ALFC, ALFC, AKMC, AKMC, EREN, EREN, TEKE, TEKE, GULN, GULN, IKL, IKL, BERE, BERE, GERE, GERE, SILV, SILV, TEVE, TEVE, GAZI, GAZI, GAZI, GAZI, KEBA, KEBA, KIZK, KIZK, ERMK, ERMK, HNTI, HNTI, MMAG, MMAG, KSDI, KSDI, NATI, NATI, OFRI, OFRI, YAVL, YAVL, SLTI, SLTI, KEPZ, KEPZ, MMLI, MMLI, MMLI, MMLI, KERG, KERG, GULE, GULE, HMDT, HMDT, KAR, KAR, AMAZ, AMAZ, DSI, DSI, SUTC, SUTC, MZDA, MZDA, FETY, FETY, PRNI, PRNI, PRNI, PRNI, HRFI, HRFI, MBRI, MBRI, EIL, EIL, EIL, EIL.

ISC 24 15:48:07.8.1.2, 34.59N, 0.03-33.40E, 0.03, h13km, 6km, n44, c184/68, Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CSS, AKIN, SZAC, SZAC, MAMC, LEF, LEF, ALFC, ALFC, ALFC, AKMC, AKMC, EREN, EREN, TEKE, TEKE, GULN, GULN, IKL, IKL, BERE, BERE, GERE, GERE, SILV, SILV, TEVE, TEVE, GAZI, GAZI, GAZI, GAZI, KEBA, KEBA, KIZK, KIZK, ERMK, ERMK, HNTI, HNTI, MMAG, MMAG, KSDI, KSDI, NATI, NATI, OFRI, OFRI, YAVL, YAVL, SLTI, SLTI, KEPZ, KEPZ, MMLI, MMLI, MMLI, MMLI, KERG, KERG, GULE, GULE, HMDT, HMDT, KAR, KAR, AMAZ, AMAZ, DSI, DSI, SUTC, SUTC, MZDA, MZDA, FETY, FETY, PRNI, PRNI, PRNI, PRNI, HRFI, HRFI, MBRI, MBRI, EIL, EIL, EIL, EIL.

IDC 24 15:50:37.0.4.0, 22.53N, 144.62E, h0km, mb3.4/7, mb1 3.5/3, mb1mx3.3/70, mbtpp3.4/8, ML3.5/1, MS2.6/1, Ms1 2.6/1, ms1mx2.1/43, Error ellipse: s-maj=158.8km s-min=20.1km az=78.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like MJAR, KSR, USRK, WRA, ASAR, MKAR, KURBB, BVAR.

IDC 24 15:55:04.0.6.1, 0.18S, 100.77E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.1/70, mbtpp3.3/3, MS3.5/1, Ms1 3.5/1, Ms1 2.6/3/6, Error ellipse: s-maj=327.5km s-min=28.1km az=54.0, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like WRA, ASAR, MKAR, OPO.

ISK 24 15:58:10.9, 34.43N, 33.22E, h23km, ML2.9/6, DDA 24 15:58:11.4, 34.53N, 33.41E, h5km, MI3.1

ISCJB 24 15:58:12.4.1.3, 34.50N, 0.07-33.41E, 0.06, h12km, 5km, Error ellipse: s-maj=11.2km s-min=7.7km az=7.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CSS, CSS, CSS, SZAC, SZAC, MAMC, MAMC, LEF, LEF.

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Table with columns: LEF, ALFC, ALFC, AKMC, AKMC, EREN, EREN, TEKE, TEKE, GULN, GULN, IKL, IKL, IKL, IKL, SILLI, SILLI, GAZI, GAZI, GAZI, GAZI, KIZK, KIZK, ERMK, ERMK, YAVL, YAVL, YAVL, YAVL, KEPZ, KEPZ, KERG, KERG, KERG, KERG.

ISCJB 24 16:04:35.0.0.8, 32.22S, 0.04-70.11W, 0.06, h124km, 7km, Error ellipse: s-maj=8.5km s-min=5.5km az=31.4

SJA 24 16:04:35.6.0.7, 32.20S, 70.09W, h11km, 4km, ML3.1, MW3.3

GUC 24 16:04:36.0.0.7, 32.18S, 70.18W, h96km, 12km, ML3.1

ISC 24 16:04:35.2.1.7, 32.22S, 0.04-70.11W, 0.05, h124km, 13km, n23, c0970/33, 2D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like AUSP, AUSP, RTLS, RTLS, RTLS, RTLS, PEL, PEL, PEL, PEL, ROCH, ROCH, ROCH, ROCH, FCH, FCH, FCH, FCH, ASAL, ASAL, ARCO, ARCO, ARCO, ARCO, CLCH, CLCH, CLCH, CLCH, RCTV, RCTV, AAGR, AAGR, ZON, ZON, ANTU, ANTU, ANTU, ANTU, LMEL, LMEL, LMEL, LMEL, RTLL, RTLL, RTLL, RTLL, AVIZ, AVIZ, AMOG, AMOG, GO04, GO04, GO04, GO04, ACAN, ACAN, AGUA, AGUA, APLL, APLL, APLL, APLL, MRA, MRA, TCA, TCA.

IGQ 24 16:08:29.2.0.8, 1.3S, 3.8W, h7km, MLv4.7/5

ISC 24 16:08:24.2.3.0, 0.56S, 80.81W, 0.2, h6km, 15km, n58, c182/62, Off coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like AMANT, AMANT, JAMA, JAMA, MAGI, MAGI, ASDO, ASDO, GOLV, GOLV, MILO, MILO, ILLI, ILLI, PACI, PACI, PACI, PACI, NINA, NINA, PINO, PINO, GGPC, GGPC, YANA, YANA, BNAS, BNAS, NASE, NASE, BMOR, BMOR, BMOR, BMOR, COHC, COHC, COHC, COHC, BVCT, BVCT, BVCT, BVCT, BTAM, BTAM, RIOE, RIOE, BIL2, BIL2, COVI, COVI, COVI, COVI, PISA, PISA, BBIL, BBIL, OTAV, OTAV, JUIV, JUIV, POND, POND, BMAS, BMAS, RETU, RETU, RRRY, RRRY, RRRY, RRRY, BRUN, BRUN, BRUN, BRUN, BULB, BULB, ANTG, ANTG, CUIC, CUIC, ANTM, ANTM, ANTM, ANTM, ANTS, ANTS, URUC, URUC, IMBA, IMBA, LITE, LITE, YAHU, YAHU, CAYA, CAYA, PUYO, PUYO, ARDO, ARDO, CMBC, CMBC, GCUF, GCUF, GRGC, GRGC.

24d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BAKI Biak, EDFI Ende Flores, FITZ Fitzroy Crossi, etc.

ISCJ 24 16:55:20.8-0.7, 1.57N, 126.96E, h0km, mb4.1/13, mb1 4.2/14, mb1mx3.9/56, mbtmp4.1/14, ML4.1/1, Error ellipse: s-maj=59.3km s-min=12.3km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like INTI Ternate, LGBM Labuha, SPSI Sangihe, etc.

DDA 24 17:07:47.4, 39.09N, 29.15E, h7km, ML2.5, ISK 24 17:07:47.4, 39.08N, 29.13E, h13km, ML2.1/2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHAP Saphane-Kutahy, SHAP Simav-Kutahya, SIAA Simav-Kutahya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like R15V Chamela, R15V Chamela, R15V Chamela, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like R15V Chamela, R15V Chamela, R15V Chamela, etc.

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

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Table with columns: MEIG Mezcala, MEIG Mezcala, MMIG Aquila, PLIG Platanillo, TLIG Tlapa, TLIG Tlapa. Includes values for 1.78 92 eP, 1.79 280 eP, 1.93 78 eP, 2.82 98 iP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like APYP Conner, APYP Callao Caves, SSCP Mt. Cagua, SSCP SSCP.

ISCJ 24 18:15:18.7-0.6, 39.10N, 102.04E, h36km, mb3.5, ML2.2, Error ellipse: s-maj=6.9km s-min=4.8km az=175.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHAP Saphane-Kutahy, SHAP Simav-Kutahya, SIAA Simav-Kutahya, SIAA Simav-Kutahya, etc.

MAN 24 18:23:08.1, 9.21N, 126.28E, h12km, mb4.0, ML2.7, MS2.3, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUTP Butuan, BUTP Butuan, SCPH Surigao, SCPH Surigao, etc.

ISCJ 24 18:35:03.8-0.5, 13.51N, 105.93E, h10km, mb3.8/9, Error ellipse: s-maj=10.4km s-min=7.4km az=20.3

ISCJ 24 18:35:03.8-0.5, 13.51N, 105.93E, h10km, mb3.8/9, Error ellipse: s-maj=10.4km s-min=7.4km az=20.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBA Port Blair, UMPA Umpang Tak, UTHA Uthaitani, etc.

ISCJ 24 18:35:03.8-0.5, 13.51N, 105.93E, h10km, mb3.8/9, Error ellipse: s-maj=10.4km s-min=7.4km az=20.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHAP Saphane-Kutahy, SHAP Simav-Kutahya, SIAA Simav-Kutahya, SIAA Simav-Kutahya, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like R15V Chamela, R15V Chamela, R15V Chamela, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like R15V Chamela, R15V Chamela, R15V Chamela, etc.

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

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Table with columns: H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, AS01 Alice Springs, ASAR Alice Springs, AS31 Alice Springs, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, DZM Mont Dzumac, FITZ Fitzroy Crossi, H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, BRDH Baridhala. Includes values for 27.16 306 T, 27.17 306 T, 31.42 348 eP, 31.42 348 P, 31.42 348 eP, 35.05 349 eP, 35.05 349 eP, 35.05 349 P, 37.80 41 LR, 38.36 336 P, 71.38 283 T, 71.39 283 T, 71.40 283 T, 87.84 316 LR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHAP Saphane-Kutahy, SHAP Simav-Kutahya, SIAA Simav-Kutahya, SIAA Simav-Kutahya, etc.

ISCJ 24 18:49:48.8-2.8, 11.68S, 170.85E, h0km, mb4.0/6, mb1 4.1/6, mb1mx3.7/55, mbtmp3.6/7, Error ellipse: s-maj=89.8km s-min=35.4km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAN Makanchi Array, ARCES ARCES Array B, etc.

ISCJ 24 18:50:58.2-4.0, 17.73S, 178.43W, h630km, 44km, mb3.2/11, mb1 3.4/11, mb1mx3.1/55, mbtmp4.3/11, Error ellipse: s-maj=35.5km s-min=19.7km az=139.0

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

ISCJ 24 18:50:58.2-4.0, 17.73S, 178.43W, h630km, 44km, mb3.2/11, mb1 3.4/11, mb1mx3.1/55, mbtmp4.3/11, Error ellipse: s-maj=35.5km s-min=19.7km az=139.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PBA Port Blair, UMPA Umpang Tak, UTHA Uthaitani, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

MEX 24 19:06:40.7-0.6, 15.88N, 98.41W, h1km, MD3.9, 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, TLIG Tlapa, VHO Vista Hermosa, CAIG El Cayaco, HUIG Huatulo, MEIG Mezcala, ARIG Puento Sto Nin, ARIG Puento Sto Nin.

ISCJ 24 19:08:12.8-0.4, 21.74S, 0.03E, h48W, 0.07, h118km, 5km, mb4.5/14, Error ellipse: s-maj=10.2km s-min=5.3km az=1.9

NEIC 24 19:08:12.8-0.4, 21.74S, 0.03E, h48W, 0.07, h118km, 5km, mb4.5/14, Error ellipse: s-maj=7.9km s-min=5.8km az=102.0

ISCJ 24 19:08:13.3-3.3, 21.16S, 68.34W, h98km, 27km, mb4.0/9, mb1 4.0/12, mb1mx3.7/46, mbtmp3.3/12, MS2.7/1, Ms1 2.7/1, ms1mx2.3/43, Error ellipse: s-maj=26.3km s-min=14.9km az=99.0

GUC 24 19:08:14.8-0.5, 21.75S, 68.68W, h120km, 4km, ML4.1, Error ellipse: s-maj=10.04km s-min=0.06km h107km, 7km, n55, 91687/1, mb4.4/11, 10C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB09 IPOC Station P, PB09 IPOC Station P, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SONGIA, WARRAMUNGA, WB2, KRSR, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 24 21:58:12.9, IDC 24 21:58:08.9, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANDA, WARRAMUNGA, WRA, FITZ, etc.

ISCJCB 24 21:58:08.8, 0.2, 63.936N, 02:148.41W, 0.05, h10km, mb3.7/5, MS3.0/1, Error ellipse: s-maj=3.4km s-min=2.7km az=6.1

NEIC 24 22:01:08.0, 0.6, 35.71S, 179:57W, h35km, mb4.8/1, Error ellipse: s-maj=19.0km s-min=14.9km az=107.0

ATH 24 22:10:47.3, 37:80N, 27:11E, h20km, 1km, ML2.7/4, Error ellipse: s-maj=4.2km s-min=1.5km az=264.0

Table with columns: JNR, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISCJB 24 23:26:25.8-0.7, 15.6S:0.2-177.1W:0.1, h400km, mb3.7/8, Error ellipse: s-maj=30.6km s-min=13.1km az=154.3

ISC 24 23:26:27.0-2.0, 15.62S:177.02W, h402km, 25km, kb3.4/8, mb1.3/6/10, mb1mx3.5/3, mbtmp4.2/10, Error ellipse: s-maj=29.6km s-min=16.0km az=149.0

ISC 24 23:26:27.1-0.8, 15.58S:0.2-177.0W:0.1, h400km, n11, ISC 24 23:30:10, mb3.7/8, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISCJB 24 23:41:25.4-0.6, 36.66N:0.03-1.61E:0.05, h14km, Error ellipse: s-maj=5.7km s-min=5.0km az=176.0

MDD 24 23:41:25.5-1.1, 36.77N:1.60E, h0km, mb3.7/3, Error ellipse: s-maj=8.4km s-min=7.7km az=34.0, PRXIMO

CRAAG 24 23:41:25.4, 36.50N:1.60E, ML2.6 ISC 24 23:59:01.5-0.9, 36.59N:0.06-1.64E:0.04, h14km, n18, s=1517/25, Northern Algeria

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISCJB 24 23:44:19.0-0.5, 24.00S:0.04-67.01W:0.06, h200km, mb3.1/1, Error ellipse: s-maj=8.4km s-min=5.6km az=17.3

SJA 24 23:44:18.4-0.6, 23.99S:66.96W, h204km, 9km, ML2.6, MV2.9

ISC 24 23:44:26.7-9.7, 23.45S:66.88W, h249km, 69km, mb3.0/1, mb1.3/3/3, mb1mx2.9/45, mbtmp3.8/3, Error ellipse: s-maj=108.1km s-min=41.3km az=26.0

ISC 24 23:44:19.4-1.1, 23.97S:0.07-67.01W:0.06, h200km, n18, s=889/21, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISCJB 24 23:50:26.6-0.5, 39.34N:0.04-29.09E:0.07, h8km, Error ellipse: s-maj=8.2km s-min=4.1km az=25.0

ISK 24 23:50:26.7, 39.32N:29.08E, h15km, ML2.0/6 DDA 24 23:50:27.3, 39.30N:29.10E, h7km, ML2.5

ISC 24 23:50:26.7-1.0, 39.32N:0.04-29.11E:0.05, h8km, n14, s=679/17, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

Table with columns: DEMI, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

NIED 24 23:51:00.36:30N, 141.110E, h41km, Mw3.6, Best double couple: M2.86000:1014 NP1.301.00000, 89.00000, -1.46.00000, NP2.3178.00000, 885.00000, -1.83.00000

JMA 24 23:51:10.7-0.1, 36.29N:141.02E, h44km, 1km, M3.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISC 25 00:25:47.9-1.7, 1.61N:96.03E, h0km, mb3.6/6, mb1.3/7/8, mb1mx3.5/71, mbtmp3.6/8, ML3.0/2, MS3.2/1, Mst 3/2/1, ms1mx2.4/65, Error ellipse: s-maj=51.8km s-min=20.0km az=55.0

DJA 25 00:25:53.7-0.6, 2.2N:7.97E:1.1, h10km, M3.4/3, MLV3.4/3

ISC 25 00:25:54.0-1.9, 1.90N:0.08-96.56E:0.08, h2km, mb3.6/6, mb1.3/7/8, s=686/15, mb3.5/6, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

ISC 25 00:42:58.3-0.7, 36.66N:23.04E, h0km, mb3.9/18, mb1.4/0.2/7, mb1mx3.8/80, mbtmp3.8/27, ML3.5/8, MS2.6/5, mb1.2/2.6, ms1mx1.2/371, Error ellipse: s-maj=15.3km s-min=12.2km az=27.0

NEIC 25 00:42:59.8-0.0, 36.63N:22.91E, h20km, mb4.0/3, ML3.7(ATH), ML3.8(TH), After ATH

ATH 25 00:42:59.8, 36.63N:22.91E, h20km, ML3.7/13, Error ellipse: s-maj=1.2km s-min=0.7km az=228.0

ISCJB 25 00:43:00.5-0.3, 36.59N:0.02-22.84E:0.02, h23km, 2km, mb3.9/22, MS2.4/1, Error ellipse: s-maj=3.0km s-min=2.3km az=39.3

THE 25 00:43:00.6, 36.61N:22.86E, h7km, ML3.6/9, Error ellipse: s-maj=0.6km s-min=0.2km az=234.0

ISC 25 00:43:00.5-0.6, 36.63N:0.02-22.90E:0.02, h17km, 3km, s=1190/140/217, MS3.9/22, 5C-2D, Southern Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

Table with columns: ITM, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

comp=N,3722um,0.8s AML AML 00 43 42.3

comp=N,24147um,0.8s AML AML 00 43 23.0 0.0

comp=N,6613um,0.4s AML AML 00 43 49.8

comp=N,5657um,0.6s AML AML 00 43 25.6 -0.3

comp=N,3516um,0.5s AML AML 00 43 58.0

comp=N,4847um,0.8s AML AML 00 43 26.0 -1.1

comp=N,2134um,0.4s AML AML 00 43 56.2

comp=N,3714um,0.4s AML AML 00 43 55.6 -0.6

comp=N,4986um,0.3s AML AML 00 43 53.7

comp=N,5106um,0.3s AML AML 00 43 56.5

comp=N,888m,0.3s, baz=252, slow=20, SNR=11 LR 00 44 29.3

comp=N,888m,20.8s, baz=262, slow=20, SNR=45 LR 00 43 35.4 +0.4

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Station Type, Station Class.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Herceg Novi, Valguarnera, Matushiro, Ashikawa, etc.

NIED 25 00:52:00, 37.80N, 140.00E, h8km, Mw3.5 Best double couple: M1, 770000, 1014 NP1, 30.00000, 834.00000, 1.102.00000, NP2, 61.196.00000, 857.00000, 1.82.00000. ISCJB 25 00:52:20.1, 0.5, 37.80N, 03:140.02E, 0.04, h9km, 4km, mb3.6/2, Error ellipse: s-maj=5.5km s-min=3.8km az=28.7

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

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

IDC 25 00:56:05.5, 5.5, 37.35N, 171.99E, h175km, 45km, mb3.2/2, mb1.3/2, 6, mb1mx2.8/73, mbtmp3.7/6, Error ellipse: s-maj=79.6km s-min=38.9km az=125.0, NNC 25 00:56:12.0, 1.4, 37.78N, 172.08E, h185km, 17km, mb2.3, mpv3.4, Error ellipse: s-maj=18.7km s-min=12.2km

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

PDG 25 00:59:34.8, 0.5, 44.35N, 22.22E, h14km, 1km, ML2.4/6, Error ellipse: s-maj=0.9km s-min=1.4km az=0.0, BEO 25 00:59:35.1, 0.2, 44.33N, 22.18E, h5km, 2km, ML2.5/12, ISC 25 00:59:34.7, 1.1, 44.33N, 02:22.19E, 0.02, h4km, 9km, n47, c58772, 9C-14D, Romania

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

NEIC 25 01:04:37.8, 0.9, 7.36S, 128.51E, h168km, 10km, mb4.2/3, Error ellipse: s-maj=10.0km s-min=7.6km az=45.0, DJA 25 01:04:37.8, 0.8, 7.3S, 13.12E, h204km, 27km, M4.5/7, mb4.2/7, mb4.8/4, MLV4.8/7, MW(MB)4.0/4, ISCJB 25 01:04:38.1, 0.4, 7.50S, 01:05:128.52E, 0.05, h200km, mb3.9/9, Error ellipse: s-maj=7.6km s-min=6.2km, IDC 25 01:04:39.0, 1.9, 7.39S, 128.44E, h182km, 19km, mb3.8/9,

mb1.3/9.13, mb1mx3.6/56, mbtmp4.4/13, Error ellipse: s-maj=21.6km s-min=13.8km az=51.0, ISC 25 01:04:38.9, 0.6, 7.45S, 0:06:128.45E, 0.07, h200km, n36, c242/36, mb4.0/9, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SAUI, Saumlaki, SOEI, Soe, etc.

NEIC 25 01:56:49.6, 0.0, 36.93S, 176.35E, h192km, ML4.1(WEL), After WEL, Off east coast of North Island

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

IDC 25 02:11:13.7, 1.3, 2.66N, 90.14E, h0km, mb3.5/7, mb1.3/7.9, mb1mx3.5/78, mbtmp3.6/9, ML3.6/2, MS3.4/2, M1.3/4/2, ms1mx2.5/59, Error ellipse: s-maj=41.7km s-min=18.6km az=44.0, ISCJB 25 02:11:15.9, 1.2, 2.6N, 90.2, 90.1E, 0.1, h33km, mb3.6/7, MS3.4/2, Error ellipse: s-maj=28.1km s-min=12.2km az=29.0

ISC 25 02:11:18.4:1.2,26N:0:2:90E:0:1,h35km,n18,
 0579/10,mb3.5/7,Off west coast of northern Sumatra

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PSI	Prapat	8.82	89	Op	02 13 22.9	-0.7
PALK	Pallekele	10.44	297	Pn	02 13 44.6	-1.0
PALK		1.6nm,0.3s,baz=180,slow=12,SNR=3.1		S		
H08S3	Diego Garcia H	20.31	240	T	02 36 31.1	
H08S2	Diego Garcia H	20.31	240	T	02 36 34.3	
H08S1	Diego Garcia H	20.33	240	T	02 36 32.6	
H01W3	Cape Leeuwin H	43.60	151	T	03 05 56.3	
H01W2	Cape Leeuwin H	43.61	151	T	03 05 57.9	
H01W1	Cape Leeuwin H	43.62	151	T	03 06 04.3	
MKAR	Makanchi Array	44.52	352	P	02 19 26.3	-0.3
SONM	Songino Array	47.19	15	P	02 19 48.4	+0.7
KURBB	Kurchatov Arr	48.82	350	P	02 19 59.6	-0.5
WRA	Warramunga Arr	49.86	119	P	02 20 01.1	0.0
ASAR	Alice Springs	49.99	124	P	02 20 09.9	+0.3
ZALV	Zalesovo Beam	51.34	356	P	02 20 19.0	-0.1
BVAR	Borovoye Array	52.82	345	LR	02 43 34.9	
PMG	Port Moresby	58.09	103	LR	02 48 38.4	
BRTR	Reskin Array B	62.96	314	P	02 21 43.2	+1.4
TXAR	Lajitas Array	145.59	22	PKPbc	02 30 54.1	-0.2

ISCJB 25 02:15:28.6:1.0,10:29S:0:10:161:3E:0:1,h67km,
 mb3.6/7,Error ellipse: s-maj=18.9km s-min=10.0km
 az=143.5

ISC 25 02:15:33.1:1.0,10:12S:161:08E,h88km,7km,mb3.6/7,
 mb1 3.8/9,mb1mx3.6/55,mbtmp4.0/9,MS3.7/1,Ms1 3.7/1,
 ms1mx2.5/43,Error ellipse: s-maj=18.1km s-min=11.2km
 az=42.0

ISC 25 02:15:31.2:0.9,10:22S:0:10:161:2E:0:1,h67km,n11,
 62543/16,mb3.8/7,Bougainville-Solomon Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HNR	Honiarra	1.48	302	P	02 15 56.0	+0.2
HNR		155nm,0.3s,baz=166,slow=8.2,SNR=43		S		
HNR		571nm,0.3s,baz=189,slow=18,SNR=28		LR		
DZM	Mont Dzumac	1.20	158	P	02 18 34.0	+3.5
DZM		1.3nm,0.3s,baz=36,slow=9.3,SNR=2.4		S		
CTA	Charters Tower	17.45	234	P	02 19 31.1	+0.5
WRA	Warramunga Arr	17.86	246	P	02 21 12.2	-0.8
WRA		1.8nm,0.6s,baz=76,slow=9.4,SNR=24		pP		
STKA	Stephens Creek	28.18	217	P	02 21 17.8	+0.2
ASAR	Alice Springs	29.28	239	P	02 21 26.1	-1.4
ASAR		0.9nm,0.7s,baz=68,slow=9.2,SNR=5.3		pP		
FITZ	Fitzroy Crossi	35.33	253	P	02 22 19.1	-1.3
VNDA	Vanda	67.28	180	P	02 26 18.7	+0.3
SONM	Songino Array	75.42	325	P	02 27 07.0	-1.0
SONM		0.9nm,0.8s,baz=135,slow=6.2,SNR=2.6		pP		
ILAR	Eielson Array	84.92	20	P	02 27 54.1	-0.8
ILAR		0.2nm,0.3s,baz=240,slow=4.9,SNR=6.3		pP		
RPN	Rapa Nui	84.92	117	LR	02 58 41.0	
RPN		0.3nm,0.6s,baz=245,slow=4.6,SNR=2.9		LR		

DJA 25 02:16:56.9:1.8,3:20S:13:9E:1.4,h53km,22km,M3.7/3,
 MLV3.7/3,Near coastal of Irian Jaya

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GENI	Genyem	0.83	77	P	02 17 13.0	+0.6
WAMI	Wamena	1.27	211	S	02 17 25.4	+1.6
JAY	Jayapura	1.37	79	P	02 17 19.8	+0.1
JAY				S	02 17 37.3	+0.5

JMA 25 02:33:43.1:0.2,23:38N:121:83E,h62km,4km,M3.1
 TAP 25 02:33:44.8:23:53N:121:88E,h19km,ML3.4,C
 ISC 25 02:33:44.4:1.1,23:52N:0:02:121:89E:0:0,3,h24km,11km,
 n68,0569/117,5C,Taiwan

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HGSD	Ruisui	0.43	266	P	02 33 53.3	-0.1
HGSD		baz=265		S		
EGFH	Guangfu	0.45	289	P	02 33 53.9	+0.2
EGFH		baz=289		S		
ENLB	Shoufeng	0.46	325	P	02 33 53.6	-0.3
ENLB		baz=337		eS		
ESL	Shilin	0.51	304	flrP	02 33 54.4	-0.4
ESL		baz=305		S		
HWA	Hwalien	0.52	330	eP	02 33 55.0	+0.1
HWA		baz=341		eS		
EHY	Hungye	0.53	268	P	02 33 55.2	+0.2
EHY		baz=267		eS		
YULB	Yu-li	0.56	257	eP	02 33 55.6	-0.1
YULB		baz=248		eS		
TWD	Chiwang	0.62	334	flrP	02 33 56.1	-0.4
TWD		baz=335		eS		
CHKT	Chengkung	0.65	229	P	02 33 56.4	-0.1
CHKT		baz=216		eS		
WHF	Hehuan Shan	0.84	317	P	02 34 00.1	-0.6
WHF		baz=318		eS		
CHGB	Renai	0.85	309	flrP	02 34 00.3	-0.6
CHGB		baz=318		eS		
YUS	Yu-Shan	0.87	268	P	02 34 01.1	0.0
YUS		baz=267		eS		
ELDTW	Lidau	0.87	248	P	02 34 00.4	-0.5
ELDTW		baz=233		eS		
NANB	Nanao	0.91	352	P	02 34 01.1	-0.4
NANB		baz=352		P		

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ENAN	Nanau	0.91	351	P	02 34 01.1	-0.4
ENAN		baz=352		eS		
TWT	Tachien	0.98	318	P	02 34 02.9	+0.1
TWT		baz=317		eP		
TDCB	Techi	0.99	317	eP	02 34 14.7	-0.7
TDCB		baz=317		eS		
DPDB	Guoxing	1.02	300	eP	02 34 03.5	0.0
DPDB		baz=300		eS		
TYC	Yuchr	1.02	292	P	02 34 15.5	-1.0
TYC		baz=300		eS		
NNS	Nan Shan	1.03	332	P	02 34 03.2	-0.3
NNS		baz=333		S		
EOS1	EOS1	1.04	12	eP	02 34 04.0	+0.2
EOS1		baz=25		eS		
TWC	Suao	1.08	358	P	02 34 04.4	0.0
TWC		baz=359		eS		
STYT	Tauyuan	1.11	251	P	02 34 05.0	+0.1
STYT		baz=242		eS		
CHNS	Tsauling	1.12	274	P	02 34 05.7	+0.6
CHNS		baz=273		eS		
ENTT	Nioudou	1.15	345	P	02 34 05.2	+0.1
ENTT		baz=345		eS		
WNT	Mingjian	1.16	288	eP	02 34 06.5	+0.7
WNT		baz=287		eS		
TPUB	Ta-pu	1.18	259	eP	02 34 06.5	+0.4
TPUB		baz=259		eS		
WTP	Ta-pu	1.21	257	eP	02 34 06.8	+0.2
WTP		baz=256		Pn		
TWE	Neicheng	1.21	350	P	02 34 06.2	+0.4
TWE		baz=351		eS		
YHNB	Yeheng	1.23	338	flP	02 34 21.4	-0.1
YHNB		baz=338		eS		
NSK	Sanguang	1.25	337	P	02 34 06.7	+0.3
NSK		baz=337		eS		
SLBB	Yuanshan	1.25	349	P	02 34 06.8	+0.4
SGST	Jianshan	1.28	250	eS	02 34 25.5	+1.6
CHN1	Nanshi	1.30	255	P	02 34 08.7	+0.6
CHN1		baz=254		eS		
TWQ1	Liyutan	1.31	309	P	02 34 08.9	+0.6
TWQ1		baz=309		eS		
EGS	baz=16	1.31	1	eP	02 34 08.3	-0.1
TWK	Hsiyung	1.32	259	P	02 34 08.9	+0.5
TWK		baz=258		eS		
JYNG	Yonagunijimaku	1.33	46	P	02 34 08.2	+0.7
JYNG		baz=58		eS		
NSY	Sanyi	1.36	311	eP	02 34 09.5	+0.2
NSY		baz=311		eS		
NSTT	Nanjiun	1.37	324	P	02 34 09.5	+0.1
NSTT		baz=324		eS		
LIOB	Emei	1.38	324	eP	02 34 09.7	+0.2
LIOB		baz=324		eS		
YOJ	Yonaguni jima	1.38	47	eP	02 34 09.2	-0.4
YOJ		baz=324		eS		
YOJ	Yonaguni jima	1.38	47	P	02 34 09.1	-0.4
YOJ		baz=48		eS		
SSD	Sandimen	1.40	237	eP	02 34 09.1	-0.7
TIPB	Shuangxi	1.44	358	P	02 34 10.3	-0.3
TIPB		baz=358		eS		
WLTB	Daxi	1.45	336	eP	02 34 27.6	+0.3
MASBT	Mashibuluo	1.48	232	eP	02 34 09.7	+0.2
MASBT		baz=232		eS		
TWA	Mucha	1.48	349	P	02 34 10.8	-0.4
TWA		baz=335		eS		
TWB1	Santiao Chiao	1.48	3	eP	02 34 30.1	+0.6
TWB1		baz=17		eP		
TATO	Taipei	1.49	346	eP	02 34 10.4	+0.7
TATO		baz=346		eS		
NWF	Wu-fen Shan	1.54	356	eP	02 34 12.3	-0.1
NWF		baz=356		eS		
NWF		baz=356		eS		
WFSB	Wu-fen Shan	1.54	356	eP	02 34 12.3	0.0
WFSB		baz=356		eS		
NCHU	Zhongli	1.58	336	eP	02 34 31.5	+0.1
NCHU		baz=335		eS		
NCU	National Centr	1.58	336	P	02 34 12.7	-0.1
NCU		baz=336		eS		
TWS1	Kuangyinshan	1.63	345	eP	02 34 13.2	-0.6
TWS1		baz=345		eS		
SCZT	Fangliang	1.64	226	eP	02 34 12.9	-1.0
SCZT		baz=217		eP		
YM10	YM10	1.65	349	eP	02 34 12.9	+0.9
YM03	YM03	1.68	349	eP	02 34 12.9	+0.5
YM08	YM08	1.68	351	eP	02 34 12.8	+0.4
TYW	Chenhua	1.77	351	eP	02 34 15.1	-1.0
HATJ	Hateruma jima	1.83	73	eS	02 34 36.7	0.0
IRIF	Iriomote-Funau	1.86	64	eS	02 34 15.4	+0.6
IRIF		baz=64		eS		
JKRS	Kuro-shima	2.06	69	eP	02 34 43.3	+0.8
JKRS		baz=69		Pn		
JJ	Ishigaki jima					

25d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SONMG Songoing Array, CAST Castle Rocks, TRF Thorofore Moun, RND Reindeer, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SFK Sufi-Kurgan, SFK 13m,0.4s, MNAS Manas, etc.

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

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Table with columns: WRA, FITZ, BRTR, MMAL. Includes stations like Warramunga Arr, Fitzroy Crossi, Keskin Array B, Nunit Meron Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSRS Korea Array, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOZC Bozcaada, BOZC Bozcaada, PRK Paraskevi, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RDO Rodhopi, RDO Rodhopi, SMG Samos, etc.

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Table with columns: PUK, BCI, PHP, STON, STON. Includes stations like Puka, Bajram Curri, Peshkopia, Ston.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ISCB West Island, COCO West Island, CICI Cisomet, Garu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WR1 Warramunga Arr, WB2 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alashe Springs, ASAR Alashe Springs, MK32 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AZER Azer, TEH Teheran, ISC Islamic Republic of Iran, etc.

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

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Table with columns: MANT, Manisa, 0.47 112, P, Pg, 07 24 56.3, +0.1, SPNC, Spanca-Adapaz, 2.69 41, Pn, Pn, 07 25 32.6, +1.1, H11S3, WAKE ISLAND, Hy 28.84 122, T, T, 08 05 25.3, 8h

Table with columns: SPNC, Spanca-Adapaz, 2.69 41, Pn, Pn, 07 25 32.6, +1.1, H11S2, WAKE ISLAND, Hy 28.85 122, T, T, 08 05 24.7, H11S2, WAKE ISLAND, Hy 28.85 122, T, T, 08 05 24.7

Table with columns: H11S3, WAKE ISLAND, Hy 28.84 122, T, T, 08 05 25.3, 8h, MEX 25 07:52:08.6, 0.4, 13'33N-92'65W, h30km, MD3.8, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GLBA Ciliabad, SBZ Shahbuz, ASTR Astara, ZRD Zardab, MAKU Maku, HYR Heyderabad, ZNUK Zanjan, GANJ Ganja, GDB GEDABAY.

ISCJB 25 09:27:39.8, 0.7, 40.57N, 0.04, 37.6E, 0.05, h11km, Error ellipse: s-maj=6.5km s-min=4.8km az=161.4 DDA 25 09:27:40.3, 0.4, 50.58N, 37.66E, h7km, M2.6 ISC 25 09:27:40.4, 1.0, 40.56N, 0.04, 37.66E, 0.03, h11km, n9, c074/13, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ORDU Ordu-Boztepe, SUSE Suseshri, GRSN Giresun, ERBA Erbaa, SVSK Karacayir, ESFY Espiye-Giresun, KELT Kelkit, SAMS Samsun-Alacam, YOZG Yozgat.

ISCJB 25 09:28:24.9, 0.5, 31.35N, 0.05, 114.39W, 0.03, h11km, mb3.5/2, MS3.0/2, Error ellipse: s-maj=7.0km s-min=3.5km az=171.5

ISC 25 09:28:25.2, 2.1, 31.10N, 114.37W, h0km, mb3.6/2, mb1 3.5/5, mb1mx3.4/69, mbtmp3.2/5, ML3.4/3, MS3.1/6, Ms1 3.1/6, ms1mx2.8/41, Error ellipse: s-maj=33.3km s-min=18.6km az=24.0

MEX 25 09:28:26.0, 0.6, 31.34N, 114.31W, h5km, MD4.2, NEIC 25 09:28:26.0, 0.0, 31.34N, 114.31W, h5km, MD4.2 (MEX), After MEX

ISC 25 09:28:26.7, 0.8, 31.41N, 0.06, 114.43W, 0.03, h11km, n33, c250/36, Gulf of California

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SPX San Pedro Mart, MBIG Mexicali, TUC Tucson, HSIG, CGIG, ANMO Albuquerque, NVAR Mina Array Bea, MNTX Cornudas Mount, MNTX LPIG, DUG Dugway, TXAR Lajitas Array, HWUT Hardware Ranch, PDAR Pinedale Array, YDAR Yreka Blue Hor, NEW Newport, BBB Bella Bella, KDAK Kodiak Island, ILAR Eielson Array, FINES FINESSE Array B.

GUC 25 09:31:08.2, 0.3, 35.81S, 72.89W, h25km, 6km, ML3.5, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CCHI Chillan, CCSP San Pedro de C, TMU Temuco, LMEL Las Melosas, CLCH Cerro Calan, ROCH El Rote, FCH Farellones.

ISCJB 25 09:31:20.7, 0.4, 11.97N, 0.04, 88.75W, 0.03, h33km, mb4.5/11, MS3.9/30, Error ellipse: s-maj=5.8km s-min=3.3km az=25.1

CASC 25 09:31:20.1, 2.3, 12.01N, 88.76W, h6km, 11km, MD4.5, ML3.6, mb4.7 (NEIC)

NEIC 25 09:31:22.8, 0.5, 11.99N, 88.60W, h35km, mb4.7/11.8, Error ellipse: s-maj=8.9km s-min=4.9km az=213.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like VSM San Miguel, CSGN Cosiguina Volc, CSGN Cosiguina Volc, PACA Pacayal, LOND La Cañada, LFRS El Faro, PAVA Las Pavas, SNET Serv Nac Est T, LBRs Las Brisas, OPAM San Salvador, LFU La Fuente, UUES San Salvador, BOQS Boqueron, CAHU Cacahuatque, SBLN San Blas, RTG Copaltepé, COPN Copaltepé, MOMM Momotombo, APYN Apoyeque, XAVN Gruta Xavier, BRAN Las Pilas, MGAN Managua, MTO3 Montecristo, ESTN Estel, ESTN Estel, IXG Ixcap, BOAB BOACO BROADBAND, APG El Apazote, APG El Apazote, APG El Apazote, JTS Juntas Abangare, HCC Heredia, CGC Comitán, CMIG Matias Romero, ZARC Zaragoza, YOTC Yotoco, HORO Saladito, PTCC PUERTO BERRIO, POCP Popayan, SOTA Rioblanco, OTAV Otavalo, PCON Conco Dias, ROSC El Rosal, ROSC El Rosal, LNIC Linas, CHIC Chingaza, RUSC La Rusia, 958A Wauctulia, 060A Indiantown, ZAIG Zacatecas, 858A St. Cloud, 757A Oxford, 545A Edgard, SDV Santo Domingo, 655A Horseshoe Beach, 544A White Castle, 546A Slidell, 656A Williston, 552A Lynn Haven, 542A Morse, 541A Lake Charles, 553A Crawfordville, 554A Perry, 657A Interlachen, 658A Bunnell, 445A Amite, 447A Lucedale, 446A Crete, 446A Poplarville, 444A Pine Grove, 449A Pace, 555A McAlpin, 450A Gretna, 556A Lake Butler, 448A Bay Metette, 443A Delano Plantat, 442A Mamou, 452A Marianna, HKT Hockley, 557A Orange Park, 833A Chaparral WMA, 833A Chaparral WMA, 441A DeRidder, BRAL Brewton, 453A Whigham, 453A Whigham, 454A Outman, 345A Thompson Farm, 346A Big Creek Wild, 346A Big Creek Wild.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like 349A Repton, 347A Saraland, 348A Jackson, 348A Jackson, 455A Stateville, 351A Pinckard, 344A Westbrook Farm, 344A Westbrook Farm, 350A Dozier, 342A Flagon Creek P, 342A Flagon Creek P, 456A Hilliard, 341A Kurthwood, 457A Yulee, 353A Camilla, 352A Blakely, 352A Blakely, TIGA Tifton, TIGA Tifton, 246A Jackson Lee, B, 249A Camden, 243A Waterproof, 247A Quitman, 245A Little Ap, Sta, 355A Pearson, 250A Grady, 248A Dixon Hills, 244A Avery, Jackson, 356A Blackshear, VBMS Vicksburg, VBMS Vicksburg, 242A Grayson, 251A Midway, 252A Tifton, 241A Mo Tay, Golden, 241A Mo Tay, Golden, 253A Americus, 253A Americus, NATX Nacogdoches, NATX Nacogdoches, 435B Jarrell, 435B Jarrell, 357A Tinsand, 254A Abbeville, 240A Hunter, 145A Houston Renfro, 146A Union, 146A Union, 148A Greensboro, 149A Jones, 147A Livingston, 147A Livingston, 144A Alexander Plac, 150A Eclectic, 151A Opelika, 142A Monroe, 143A Socs Landing, 143A Socs Landing, 256A Glennville, 141A Papa Simpson, 152A Waverly Hall, 152A Waverly Hall, LRAL Lakeview Retre, LRAL Lakeview Retre, 140A Cam and Jess, 153A Fort Valley, JCT Junction City, JCT Junction City, 246A Louisville, 247A Carrollton, 154A Montrose, 249A Columiana, 244A Pea Ridge, Bel, 243A Armstrong Fami, 245A Winona, 245A Winona, 245A Winona, 248A Northport, 250A Ashland, 250A Ashland, 155A Kite, 242A Norrel Spur, H, 252A Williamson, 251A Franklin, WHTX Lake Whitney.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like 349A Repton, 347A Saraland, 348A Jackson, 348A Jackson, 455A Stateville, 351A Pinckard, 344A Westbrook Farm, 344A Westbrook Farm, 350A Dozier, 342A Flagon Creek P, 342A Flagon Creek P, 456A Hilliard, 341A Kurthwood, 457A Yulee, 353A Camilla, 352A Blakely, 352A Blakely, TIGA Tifton, TIGA Tifton, 246A Jackson Lee, B, 249A Camden, 243A Waterproof, 247A Quitman, 245A Little Ap, Sta, 355A Pearson, 250A Grady, 248A Dixon Hills, 244A Avery, Jackson, 356A Blackshear, VBMS Vicksburg, VBMS Vicksburg, 242A Grayson, 251A Midway, 252A Tifton, 241A Mo Tay, Golden, 241A Mo Tay, Golden, 253A Americus, 253A Americus, NATX Nacogdoches, NATX Nacogdoches, 435B Jarrell, 435B Jarrell, 357A Tinsand, 254A Abbeville, 240A Hunter, 145A Houston Renfro, 146A Union, 146A Union, 148A Greensboro, 149A Jones, 147A Livingston, 147A Livingston, 144A Alexander Plac, 150A Eclectic, 151A Opelika, 142A Monroe, 143A Socs Landing, 143A Socs Landing, 256A Glennville, 141A Papa Simpson, 152A Waverly Hall, 152A Waverly Hall, LRAL Lakeview Retre, LRAL Lakeview Retre, 140A Cam and Jess, 153A Fort Valley, JCT Junction City, JCT Junction City, 246A Louisville, 247A Carrollton, 154A Montrose, 249A Columiana, 244A Pea Ridge, Bel, 243A Armstrong Fami, 245A Winona, 245A Winona, 245A Winona, 248A Northport, 250A Ashland, 250A Ashland, 155A Kite, 242A Norrel Spur, H, 252A Williamson, 251A Franklin, WHTX Lake Whitney.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like WHTX Lake Whitney, Z41A Richland Creek, Z41A Richland Creek, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like V48A Smith Brothers, V46A Holladay, V44A Blytheville, etc.

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like S51A Beattyville, S38A Stockton, CCM Cathedral Cave, etc.

ACSO	Alum Creek Sta	28.52	9	eP	P	09 37 13.1	-2.9
ACSO	Alum Creek Sta	28.52	9	P	P	09 37 15.6	-0.4
MCWV	Mont Chateau	28.60	14	P	P	09 37 16.6	0.0
TUC	Tucson	28.60	318	P	P	09 37 16.4	-0.4
N41A	Harden Midland	28.61	357	P	P	09 37 17.5	+0.7
N44A	Piper City	28.64	1	P	P	09 37 16.2	-0.7
T25A	Trinidad	28.68	333	P	P	09 37 16.7	-1.0
N42A	Yates City	28.69	358	P	P	09 37 17.2	-0.2
N45A	Kentland	28.70	2	P	P	09 37 16.5	-1.1
N43A	Stutzman Famil	28.78	359	P	P	09 37 17.7	-0.6
N46A	Monticello	28.78	3	P	P	09 37 17.1	-1.2
N40A	Mertquake, Sal	28.83	355	P	P	09 37 18.4	-0.3
N38A	Joes South For	28.91	353	P	P	09 37 18.9	-0.5
N39A	Derby Farms, D	28.91	354	eP	P	09 37 18.3	-1.1
N39A	Derby Farms, D	28.91	354	P	P	09 37 19.0	-0.4
N37A	Lee Faris, Mou	29.00	351	eP	P	09 37 19.4	-0.8
N37A	Lee Faris, Mou	29.00	351	P	P	09 37 20.1	-0.2
N50A	Nevada	29.02	9	P	P	09 37 19.8	-0.7
N36A	Muff Farm, Cla	29.18	350	P	P	09 37 21.6	-0.2
M44A	Midewin, Midew	29.23	1	P	P	09 37 22.4	+0.1
M41A	Milan	29.25	357	P	P	09 37 21.8	-0.6
M43A	Waltham Townsh	29.27	360	P	P	09 37 21.9	-0.7
M42A	Sheffield	29.30	358	P	P	09 37 22.5	-0.5
M46A	Old House Fiel	29.32	4	P	P	09 37 22.5	-0.5
M40A	Post Highland	29.34	356	P	P	09 37 22.7	-0.6
M39A	Webster	29.47	355	P	P	09 37 24.3	-0.1
O56A	Blue Knob Stat	29.50	16	P	P	09 37 24.3	-0.4
M38A	Pleasantville	29.52	353	P	P	09 37 24.4	-0.4
M48A	Edgerton	29.53	6	P	P	09 37 24.9	0.0
KSCO	Kaye Shedlock	29.56	338	eP	P	09 37 25.7	+0.3
KSCO	Kaye Shedlock	29.56	338	P	P	09 37 25.8	+0.4
M37A	Trindle Farm,	29.61	352	P	P	09 37 25.6	0.0
M50A	Fremont	29.66	9	P	P	09 37 25.3	-0.8
SDCO	Great Sand Dun	29.67	332	eP	P	09 37 28.3	+1.8
M36A	Felix, Anita	29.77	351	P	P	09 37 26.5	-0.6
N54A	Moraine State	29.80	13	P	P	09 37 27.0	-0.3
L42A	Oliver, Polo	29.85	359	P	P	09 37 26.5	-1.3
L47A	Sherwood	29.97	5	P	P	09 37 27.2	-1.6
L40A	Anamosa	29.98	356	eP	P	09 37 26.9	-2.0
L40A	Anamosa	29.98	356	P	P	09 37 28.4	-0.5
SCIA	State Center	30.00	353	eP	P	09 37 28.6	-0.5
SCIA	State Center	30.00	353	P	P	09 37 28.6	-0.5
L48A	N Adams	30.01	6	P	P	09 37 28.0	-1.3
L43A	Garden Prairie	30.02	360	P	P	09 37 28.6	-0.7
L44A	Lake County Fo	30.02	1	P	P	09 37 27.7	-1.6
SSPA	Standing Stone	30.03	17	P	P	09 37 28.9	-0.4
L39A	Vinton	30.10	355	P	P	09 37 29.4	-0.5
L38A	Oak Wood Farm,	30.20	354	P	P	09 37 30.4	-0.5
L37A	Phoenix Point,	30.28	353	P	P	09 37 30.8	-0.8
L36A	Harm Buss Farm	30.39	351	P	P	09 37 31.5	-1.0
BGNE	Belgrade	30.39	346	P	P	09 37 31.5	-1.1
M54A	Oil Creek Stat	30.40	14	P	P	09 37 31.8	-0.9
K41A	Shullsburg	30.47	358	P	P	09 37 32.4	-0.9
Q24A	Divide	30.53	334	P	P	09 37 32.6	-1.6
K40A	Colesburg	30.61	356	P	P	09 37 33.8	-0.7
K39A	Oelwein	30.66	355	P	P	09 37 34.4	-0.6
K38A	Parkersburg	30.69	354	eP	P	09 37 33.0	-2.1
K38A	Parkersburg	30.69	354	P	P	09 37 34.7	-0.4
MVCO	Mesa Verde	30.70	328	P	P	09 37 35.0	-0.6
JFWS	Jewell Farm	30.78	358	eP	P	09 37 33.1	-2.8
JFWS	Jewell Farm	30.78	358	P	P	09 37 35.5	-0.5
K36A	Gilmore City	30.88	352	P	P	09 37 36.1	-0.7
K37A	Belmond	30.90	353	P	P	09 37 36.3	-0.8
ERPA	Erie	30.91	13	P	P	09 37 36.2	-0.9
N59A	State Game Lan	30.92	19	P	P	09 37 37.1	-0.2
OGNE	Ogallala	31.07	340	P	P	09 37 38.1	-0.6
WUAZ	Wupatki	31.08	323	P	P	09 37 37.4	-1.6
J42A	Columbus	31.16	359	P	P	09 37 38.3	-1.0
J43A	Natural Harves	31.22	0	P	P	09 37 38.8	-1.1
J41A	Loganville	31.22	358	P	P	09 37 39.3	-0.6
PTGA	Pitinga	31.24	112	LR	LR	09 50 44.7	
J39A	Decorah	31.28	356	P	P	09 37 39.6	-0.8
J40A	Soldiers Grove	31.28	357	P	P	09 37 39.6	-0.8
J38A	Wedel Dairy, R	31.32	355	P	P	09 37 40.0	-0.7
ISCO	Idaho Springs	31.42	335	P	P	09 37 41.3	-0.8
J37A	Redenius Farm,	31.43	353	P	P	09 37 41.4	-0.3
J36A	Seneca 1, Swea	31.54	352	eP	P	09 37 40.8	-1.9
J36A	Seneca 1, Swea	31.54	352	P	P	09 37 42.1	-0.6
PAL	Palisades	31.64	22	P	P	09 37 42.8	-0.7
I43A	Langenfeld Bro	31.72	1	P	P	09 37 43.1	-1.2
I42A	Draeger Farm,	31.73	360	eP	P	09 37 42.0	-2.3
I42A	Draeger Farm,	31.73	360	P	P	09 37 43.7	-0.6
GLA	Glamis	31.75	315	P	P	09 37 43.4	-1.4
I40A	Norwalk	31.77	357	P	P	09 37 43.8	-0.9

I39A	Houston	31.78	356	eP	P	09 37 43.0	-1.7
I39A	Houston	31.78	356	P	P	09 37 44.2	-0.6
I41A	Arkdale	31.91	358	eP	P	09 37 44.7	-1.2
I41A	Arkdale	31.91	358	P	P	09 37 45.4	-0.5
I38A	Scanlan Farm,	32.03	355	P	P	09 37 46.3	-0.7
I37A	Lemond, Waseca	32.10	354	eP	P	09 37 46.6	-1.0
I37A	Lemond, Waseca	32.10	354	P	P	09 37 47.2	-0.4
I36A	Fitzsimmons Fa	32.18	353	P	P	09 37 47.5	-0.8
ECSD	EROS Data Cent	32.30	349	eP	P	09 37 47.4	-1.9
ECSD	EROS Data Cent	32.30	349	P	P	09 37 48.5	-0.9
H43A	Windswest, Lux	32.31	1	P	P	09 37 48.2	-1.2
H42A	Shiocton	32.34	0	P	P	09 37 48.4	-1.3
H40A	Chili	32.49	358	P	P	09 37 50.1	-0.9
BC3	Big Chucawall	32.53	316	P	P	09 37 50.5	-1.1
H39A	Augusta	32.59	357	P	P	09 37 50.9	-1.0
H37A	Dierke Farm, C	32.62	354	P	P	09 37 51.1	-1.0
PHWY	Pilot Hill	32.63	336	eP	P	09 37 50.0	-2.6
H38A	Maiden Rock	32.65	355	P	P	09 37 51.4	-1.0
H36A	Jessenland, He	32.72	353	P	P	09 37 52.6	-0.4
SAML	Samuel	32.85	128	eP	P	09 37 53.3	-1.2
H35A	Sundance 1 Rnc	32.95	352	P	P	09 37 54.3	-0.8
G41A	Antigo	33.05	359	P	P	09 37 54.7	-1.2
G42A	Mountain	33.08	0	P	P	09 37 55.8	-0.4
G38A	Ridgeland	33.11	356	P	P	09 37 55.4	-1.1
G40A	Rib Lake	33.13	358	eP	P	09 37 54.5	-2.1
G40A	Rib Lake	33.13	358	P	P	09 37 55.8	-0.8
G39A	Holcombe	33.19	357	P	P	09 37 56.0	-1.1
SPMN	Marine on St.	33.24	355	eP	P	09 37 56.5	-1.1
SPMN	Marine on St.	33.24	355	P	P	09 37 56.7	-0.9
TRY	Tro	33.25	20	eP	P	09 37 56.0	-1.6
SUSD	Miller	33.46	347	P	P	09 37 58.1	-1.1
F41A	Three Lakes	33.58	360	P	P	09 37 59.5	-1.0
SADO	Sadowa	33.62	12	P	P	09 37 59.1	-1.8
F43A	Flat Rock	33.69	2	eP	P	09 38 01.2	-0.3
F37A	Hinrichs Farm,	33.72	355	P	P	09 38 00.9	-0.9
F40A	Park Falls	33.77	358	P	P	09 38 01.1	-1.1
F39A	Loretta	33.80	357	P	P	09 38 01.4	-1.1
WES	Weston	33.83	20	eP	P	09 38 00.0	-2.5
F44A	Big Day of Noc	33.87	3	P	P	09 38 01.4	-1.5
F38A	Pierce - Schro	33.90	356	P	P	09 38 02.1	-1.1
COWI	Cowley	33.94	359	eP	P	09 38 02.8	-0.8
E43A	Lone Tree Farm	34.24	2	P	P	09 38 05.0	-1.2
E39A	Mellen	34.25	358	P	P	09 38 05.4	-0.9
E42A	Champion	34.27	1	P	P	09 38 05.3	-1.2
E40A	Wakefield	34.29	359	P	P	09 38 05.8	-0.9
E45A	Wooded Hills,	34.32	4	P	P	09 38 05.8	-1.1
PLVO	Plevna	34.35	15	eP	P	09 38 05.3	-1.9
E38A	The Farm, Brul	34.52	357	eP	P	09 38 07.8	-0.9
E38A	The Farm, Brul	34.52	357	P	P	09 38 07.8	-0.9
LONY	Lake Ozonia	34.65	18	P	P	09 38 07.7	-2.1
LONY	Lake Ozonia	34.65	18	P	P	09 38 08.7	-1.1
EDW2	Edwards Air Fo	34.95	315	P	P	09 38 11.6	-1.1
FRNY	Flat Rock	35.15	19	eP	P	09 38 12.9	-1.2
PDAR	Pinedale Array	35.55	333	P	P	09 38 19.1	+1.1
PDAR	Pinedale Array	35.55	333	PcP	PcP	09 40 48.2	+1.3
C40A	Isle Royale Na	35.75	359	P	P	09 38 18.0	-1.3
EYMN	Ely	35.86	357	eP	P	09 38 17.9	-2.3
EYMN	Ely	35.86	357	P	P	09 38 19.0	-1.2
TRQ	Tremblant	36.11	17	eP	P	09 38 20.7	-1.8
PKM	Mpherson Peak	36.22	314	P	P	09 38 22.3	-1.5
REDW	Red Top Meadow	36.60	333	eP	P	09 38 27.2	+0.3
SNOW	Snow King Moun	36.64	333	eP	P	09 38 27.4	+0.1
LOHW	Long Hollow	36.69	333	eP	P	09 38 27.3	-0.3
TPAW	Teton Pass	36.75	333	eP	P	09 38 29.7	+1.5
MOOW	Moose Ponds	36.86	333	eP	P	09 38 27.5	-1.6
FXWY	Fox Creek	36.90	333	eP	P	09 38 27.7	-1.7
PKME	Peaks-Kenny Pk	37.02	23	eP	P	09 38 29.7	-0.4
PKME	Peaks-Kenny Pk	37.02	23	P	P	09 38 29.4	-0.7
A33A	Warrod	37.19	353	P	P	09 38 30.9	-0.6
NV01	Mina Array Sit	37.20	320	eP	P	09 38 33.0	+0.9
NVAR	Mina Array Bea	37.20	320	P	P	09 38 34.9	+2.9
NVAR	Mina Array Bea	37.20	320	PcP	PcP	09 40 54.1	+2.2
NVAR	Mina Array Bea	37.20	320	LR	LR	09 55 18.3	
RLMT	Red Lodge	37.34	336	eP	P	09 38 34.3	+1.1
RLMT	Red Lodge	37.34	336	P	P	09 38 32.2	-1.0
LAO	LASA Array	37.56	340	eP	P	09 38 34.5	-0.3
LAO	LASA Array	37.56	340	P	P	09 38 34.8	0.0
YMR	Madison River	37.69	334	eP	P	09 38 37.4	+1.3
GCMT	Greycliff	38.06	336	eP	P	09 38 40.3	+1.2
DGMT	Dagmar	38.53	343	P	P	09 38 41.0	-1.9
DGMT	Dagmar	38.53	343	P	P	09 38 42.5	-0.4
ULM	Lac du Bonnet	38.54	353	P	P	09 38 41.1	-1.9
ULM	Lac du Bonnet	38.54	353	LR	LR	09 55 44.4	
ULM	Lac du Bonnet	38.54	353	eP	P	09 38 41.0	-1.9
MCMT	McKenzie Canyo	38.65	332	eP	P	09 38 46.0	+1.8
BOZ	Bozeman (W)	38.71	334	eP	P	09 38 45.4	+0.8

BOZ	Bozeman (W)	3
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25d 10h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MOMN, CNCH, LOND, APYN, etc.

KRNET 25 10:35:27.9, 0.1, 40.90N; 74.94E, h19km, mb2.2
SOME 25 10:35:28.1, 40.85N; 75.02E, h10km
NNC 25 10:35:28.4, 1.9, 40.79N; 75.05E, h0km, mb2.9, mpv2.6

Main table of station data for 25d 10h, listing codes, station names, azimuths, phases, IDs, times, and residuals.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTBS, TNSS, MDOK, etc.

ISCJB 25 10:47:58.7, 0.7, 81.88N; 0.1, 5.5W; 0.6, h10km, mb3.3/8,
MS3.2/23, Error ellipse: s-maj=18.3km s-min=9.2km az=29.1

Main table of station data for 2012 AUG, listing codes, station names, azimuths, phases, IDs, times, and residuals.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TIA, TJA, TAJ, etc.

ISCJB 25 10:57:44.2, 0.3, 33.96N; 0.03; 122.04E; 0.03, h10km,
mb4.3/41, MS3.8/27, Error ellipse: s-maj=4.6km

Main table of station data for 1146, listing codes, station names, azimuths, phases, IDs, times, and residuals.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM, ASAJ, KMI, GRNR, ZEA, YSS, ZAK, TLY, MOY, BOD, CMAI, LAMP, CMMT, CHTO, CHTO, CMAR, CMAR, CM01, HVS, WMQ, WMQ, WMQ, BRDH, DGZ, MA2, MK01, MKAR, MKAR, MKAR, MKAR, SBUM, MAZK, MAZK, ZAAO, ZALV, ZALV, ZALV, SURI, SURI, KURK, KURK, KURB, KSH, TIMI, TIMI, NRIK, NRIK, KK31, KK31, KKAR, KKAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BVAR, BRVK, PALK, SVE, ABKAR, ARU, ARU, ARU, FITZ, PRGR, WRA, WRA, IM3, ASAR, ASAR, SPITS, GNI, KBZ, KBZ, ILI, ILAR, ILB, KIV, KIV, OBN, OBN, NEY, NEY, FINES, FINES, DAWY, INK, INK, INK, VSU, VSU, AKASO, AKASO, STKA, BR13, BRTR, BRTR, HFS, HFS, BUR08, BUR08, NB2, NOA, NOA, MLR, YKA, GERES, BORG, DAVOX, DLMT, NVAR, ULM, SCHO, PTGA, PTGA, NIED 25 11:14:00, ISJCJB 25 11:14:44, JMA 25 11:14:45, JMA 25 11:14:45, ISC 25 11:14:45, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAJ, MJAR, MJAR, JHJ, USRK, H11N2, H11N1, H11N3, H11S1, H11S3, H11S2, ZALV, MKAR, KURB, BVAR, WRA, ASAR, FINES, PMG, PMG, WRA, ASAR, FITZ, ILAR, ISK 25 11:38:34, ISJCJB 25 11:38:36, DDA 25 11:38:35, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC.

25d 12h

Table with columns: ASAR, Alice Springs, 47.25 195 P, P, 12 07 06.6 -0.2, etc.

NEIC 25 12:25:55.0-0.19,010N,155.43W,h38km,ML3.9(HVO), After HVO., Hawaiian Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing stations like Alice Springs, Kananani, etc.

ISCJB 25 12:26:56.4-1.2,30.39N,0.05-114.03W,0.03,h0km,8km, mb4.3/8,MS3.8/28, Error ellipse: s-maj=8.0km

NEIC 25 12:26:58.9-0.7,30.42N,114.05W,h10km,mb4.2/20, MD4.2(MEX), Error ellipse: s-maj=9.7km s-min=5.1km

ECX 25 12:27:00.8-0.6,30.56N,114.00W,h12km,ML4.5, IDC 25 12:27:00.1-1.5,30.30N,114.02W,h0km,mb3.8/3, mb1.4/0.9,mb1mx3/6.0,mbtmp3/7.9,ML3.75,MS3.7/33, Ms1.3/7/33,ms1mx3/6/63, Error ellipse: s-maj=27.2km s-min=11.7km az=35.0

MEX 25 12:27:02.0-0.5,30.62N,113.97W,h10km,MD4.2, ISC 25 12:26:58.5-1.9,30.31N,106.114.06W,0.04, h11km,13km,n201,,2930/161,mb4.3/8,MS3.8/28,3C-2D, Gulf of California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing stations like San Pedro Mart, etc.

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Table with columns: 319A Douglas, 4.25 74 ePn, Pn, 12 28 02.7 -0.7, etc. listing stations like Douglas, Needles Airpor, etc.

1148

Table with columns: NEW Newport, 18.08 353 ePn, P, 12 31 11.9 +1.9, etc. listing stations like Newport, Reser, etc.

GUC 25 12:26:59.2-0.7,28.67S,71.31W,h44km,4km,ML3.7, SJA 25 12:26:59.1-0.5,28.64S,71.36W,h33km,2km,ML3.6, MW3.8

ISC 25 12:26:59.2-0.3,28.57S,0.04:71.4W,0.11,h24km,17km, n11,,1923/12,NCearsof central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing stations like VACH, LCO, etc.

DJA 25 12:34:35.7-0.4,8°S,10°12'11"E, h116km,5km, M3.8/12, mb4.0/2,MLV3.7/12, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. listing stations like EDFI, MSRI, etc.

SOME 25 12:36:35.2,42°07'N,81°77'E,h25km, NNC 25 12:36:38.6,3.4,42°11'N,81°44'E,h0km,mb3.2,mpv2.8, Error ellipse: s-maj=24.9km s-min=12.1km az=153.0

ISC 25 12:36:40.6-3.2,42.2N,0.1-81.22E,0.07,h3km,17km,n13, c28/27,3C-2D, Northern Xinjiang

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

Table with columns: PDAR, P, P, 14 01 47.3 +2.0, etc. Includes stations like Pinedale Array, Little Creek M, MSU Marysvale, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Includes stations like Tokachihiroo, Urakawa-nobuka, Erimo, etc.

Table with columns: YSS, comp=N, 10.0m, 4.0s, pmax, pmax, etc. Includes stations like Otama, Ternei, Ashikaga, etc.

JMA 25 13:49:19.2±0.1, 23.95N, 122.68E, h31km, M1.8, Taiwan region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Includes stations like Yonagunijimaku, Yonaguni jima, Iriomote-Funau, etc.

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

Table with columns: USA0B, USURIYSK Arra, USURIYSK Arr, etc. Includes stations like Ussuriysk Arr, Ussuriysk Arr, etc.

DDA 25 14:00:24.9, 38.74N, 43.41E, h7km, M1.8, ISK 25 14:00:24.5, 38.74N, 43.29E, h2km, ML2.5/5

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, etc. Includes stations like Van, Van-Muradiye, ERCS-VAN, etc.

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

Table with columns: JHY, Wachi, Hachioji jima, etc. Includes stations like Wachi, Hachioji jima, etc.

NIED 25 14:16:00, 42.30N, 143.10E, h56km, Mw5.9, Best double couple

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

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

Table with columns: OKH, Okha, SKR, etc. Includes stations like Okha, SKR, etc.

NEIC 25 14:16:17.4±0.1, 42.33N, 143.11E, h49km, Mw6.1, Broadband fault plane solution

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

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

Table with columns: KSRS, Korea Array, KSRS, etc. Includes stations like Korea Array, KSRS, etc.

25d 14h

2012 AUG

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SMY Shemya, H11N3 WAKE ISLAND, and various regional stations.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PV23 Carpenter Ridg, C33A Trail, BR131 Keskin Array S, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PVCC Panska Ves, ROVIA ROIAK, LOT Lotru, ISCO Idaho Springs, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KHC Kasperske Hory, EDMO Edmundbyers, WTSB Winterswijk, CONA Conax Observa, etc.

25d 14h

2018 AUG

1158

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like BGNE Belgrade, DIVS Divibare, H37A Dierke Farm, etc.

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like G41A Antigo, L36A Harm Buss Farm, PVE KOME, etc.

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like APE Apeiranthos, I43A Langenfied Bro, J42A Columbus, etc.

HDIL	Hopedale	84.85	37	eP	P	14 28 45.5	-0.2
HDIL	Hopedale	84.85	37	eP	P	14 28 44.9	-0.8
R39A	Chumby Stover	84.88	41	P	P	14 28 44.9	-1.0
S38A	Stockton	84.99	42	P	P	14 28 45.4	-1.0
O43A	Sugar Creek Fa	85.06	37	P	P	14 28 45.7	-1.0
M45A	Boilermakers S	85.08	36	P	P	14 28 45.7	-1.1
GVD	Gavdhos	85.09	314	P	P	14 28 45.8	-1.1
P42A	Winchester	85.15	39	eP	P	14 28 46.7	-0.5
P42A	Winchester	85.15	39	P	P	14 28 46.4	-0.8
CUC	Castrocuoco	85.16	322	eP	P	14 28 45.3	-2.0
PMOR	Pomarioirio Ree	85.17	115	eT	T	16 02 32.6	
N44A	Piper City	85.17	36	P	P	14 28 46.5	-0.8
S39A	Bolivar	85.23	42	eP	P	14 28 46.5	-1.2
S39A	Bolivar	85.23	42	eP	P	14 28 46.4	-1.2
Q41A	Truxton	85.24	39	P	P	14 28 47.3	-0.3
T38A	Diamond	85.26	43	P	P	14 28 47.2	-0.6
R40A	Maddies Statio	85.27	41	eP	P	14 28 47.1	-0.7
R40A	Maddies Statio	85.27	41	P	P	14 28 46.9	-1.0
TUL1	Leonard	85.37	44	eP	P	14 28 48.3	-0.1
TUL1	Leonard	85.37	44	eP	P	14 28 47.8	-0.6
TIP	Timpagrande	85.38	321	ijP	P	14 28 47.6	-0.8
TIP	Timpagrande	85.38	321	eP	P	14 28 47.8	-0.7
TIP	Timpagrande	85.38	321	P	P	14 28 47.6	-0.8
N45A	Kentland	85.40	36	P	P	14 28 47.7	-0.7
SADO	Sadowa	85.42	29	eP	P	14 28 47.0	-1.4
M46A	Old House Field	85.44	35	eP	P	14 28 49.0	+0.3
M46A	Old House Field	85.44	35	P	P	14 28 47.6	-1.0
L47A	Sherwood	85.46	34	P	P	14 28 48.2	-0.5
LPIG	La Paz	85.47	61	LR	LR	15 01 50.6	
P43A	Skaggs	85.49	38	P	P	14 28 48.0	-0.9
O44A	Mansfield	85.55	37	P	P	14 28 48.2	-1.0
Q42A	Golden Eagle	85.60	39	P	P	14 28 48.6	-0.9
TRQ	Mont Tremblant	85.69	25	eP	P	14 28 48.8	-1.0
R41A	Robesud	85.69	40	P	P	14 28 49.1	-0.8
N46A	Monticello	85.70	36	P	P	14 28 49.0	-0.9
S40A	Lebanon	85.71	41	P	P	14 28 49.0	-1.0
T39A	Cleves	85.73	42	P	P	14 28 49.2	-1.0
ABTX	Abilene, Hawle	85.79	49	eP	P	14 28 50.9	+0.3
ABTX	Abilene, Hawle	85.79	49	P	P	14 28 50.1	-0.4
L48A	N Adams	85.80	33	P	P	14 28 49.7	-0.7
O45A	Potomac	85.80	37	P	P	14 28 49.7	-0.7
AAM	Ann Arbor	85.81	33	LR	LR	14 28 50.6	+0.2
AAM	Ann Arbor	85.81	33	eP	P	14 28 50.6	+0.2
AAM	Ann Arbor	85.81	33	MLR	MLR	14 28 50.6	+0.2
AAM	Ann Arbor	85.81	33	P	P	14 28 49.9	-0.5
TX31	Lajitas Ar. Si	85.89	54	eP	P	14 28 51.2	0.0
TXAR	Lajitas Array	85.89	54	P	P	14 28 51.4	+0.2
TXAR	comp=2.46nm,0.7s,baz=297,slo=3.3,SNR=286	85.89	54	P	P	14 28 51.4	+0.2
TXAR	comp=2.2,1nm,0.7s,baz=151,slo=6.2,SNR=15	85.89	54	P	P	14 46 52.0	+2.2
TXAR	comp=Z,0.7nm,0.9s,baz=145,slo=4.6,SNR=5.6	85.89	54	P	P	14 55 01.1	-0.8
PPT	Papeete 118	85.90	118	LR	LR	14 59 18.2	
PPT2	Papeete2	85.92	118	eS	S	14 59 21.9	+1.0
PPT2	Papeete2	85.92	118	eLQ	LQ	14 52 16.7	
PPT2	Papeete2	85.92	118	eLR	LR	14 56 05.7	
PPT2	Papeete2	85.92	118	eT	T	16 03 28.2	
L49A	Milan	85.93	33	P	P	14 28 50.3	-0.7
CCM	Cathedral Cave	85.95	40	eP	P	14 28 51.3	+0.1
CCM	Cathedral Cave	85.95	40	P	P	14 28 51.2	0.0
SLM	Saint Louis	85.96	39	eP	P	14 28 51.1	-0.1
SLM	Saint Louis	85.96	39	eP	P	14 28 51.1	-0.1
PAE	Paea	85.97	118	eT	T	16 03 30.8	
Q43A	New Douglas	85.97	39	P	P	14 28 50.6	-0.7
SFIN	Lafayette	85.97	36	eP	P	14 28 50.8	-0.5
SFIN	Lafayette	85.97	36	P	P	14 28 50.5	-0.8
URZ	Urewera	85.97	154	eP	P	14 28 52.0	+1.1
R42A	Luebbering	85.98	40	P	P	14 28 50.7	-0.7
SLBS	Sierra La Lagu	86.00	62	eP	P	14 28 53.4	+1.7
HHAR	Hobbs	86.03	45	eP	P	14 28 51.1	-0.5
P44A	Sand Creek, Wi	86.03	38	P	P	14 28 51.0	-0.6
TIAR	Tiarei	86.04	118	eT	T	16 03 37.4	
T40A	Mansfield	86.05	41	P	P	14 28 50.6	-1.1
M48A	Edgerton	86.07	34	P	P	14 28 50.5	-1.2
S41A	Jillico Farms,	86.08	41	P	P	14 28 50.8	-1.1
U39A	Green Forest	86.18	42	P	P	14 28 51.9	-0.5
TAOE	Nuku Hiva Isla	86.25	105	eS	S	14 39 23.5	-0.9
TAOE	Nuku Hiva Isla	86.25	105	eLR	LR	14 56 09.6	
TAOE	Nuku Hiva Isla	86.25	105	eT	T	16 03 57.4	
TVO	Taravao	86.27	118	eT	T	16 03 39.1	
Q44A	Meyer Farm, Va	86.31	38	P	P	14 28 52.2	-0.8
M49A	Liberty Center	86.38	33	P	P	14 28 52.2	-1.0
P45A	Graceland, Par	86.38	37	eP	P	14 28 53.1	-0.2
P45A	Graceland, Par	86.38	37	P	P	14 28 52.6	-0.7
S42A	Caledonia	86.39	40	P	P	14 28 52.7	-0.7
R43A	Red Bud	86.39	39	P	P	14 28 52.1	-1.2
FVM	French Village	86.40	40	eP	P	14 28 54.2	+0.8
FVM	French Village	86.40	40	P	P	14 28 54.2	+0.8
HPIG	Hopewell	86.42	56	eP	P	14 28 54.1	+0.2
O47A	Sheridan	86.46	36	P	P	14 28 52.4	-1.4
T41A	Mountain View	86.50	41	P	P	14 28 53.0	-1.0
U40A	Yellville	86.51	42	P	P	14 28 53.3	-0.7
CEL	Celeste	86.52	321	eP	P	14 28 52.1	-2.0
V39A	Pettigrew	86.52	43	P	P	14 28 53.1	-1.0
P46A	Rosedale	86.54	37	P	P	14 28 53.3	-0.8
BKZ	Black Stump Fm	86.60	155	eP	P	14 28 56.2	+2.2
DAMY	Dhamar	86.62	287	eP	P	14 28 56.0	+0.8
Q45A	Warren Harvey	86.71	38	P	P	14 28 54.2	-0.7
R44A	Watsonville	86.81	39	P	P	14 28 54.6	-0.9
M50A	Fremont	86.82	33	P	P	14 28 54.1	-1.3
T42A	Van Buren	86.84	41	eP	P	14 28 55.1	-0.5

42A2	Van Buren	86.84	41	P	P	14 28 54.6	-0.9
OLIL	Olney	86.87	38	eP	P	14 28 55.4	-0.3
S43A	Fulton Ridge,	86.89	40	P	P	14 28 55.2	-0.7
O48A	Farmland	86.90	35	P	P	14 28 54.8	-1.0
W39A	Magazine	86.95	43	eP	P	14 28 55.7	-0.5
W39A	Magazine	86.95	43	P	P	14 28 55.9	-0.3
V40A	Witts Springs	86.96	42	eP	P	14 28 55.4	-0.9
V40A	Witts Springs	86.96	42	P	P	14 28 55.1	-1.2
Q46A	CE/HS Indians,	86.96	37	P	P	14 28 55.6	-0.6
U41A	Viola	86.98	41	P	P	14 28 55.1	-1.2
P47A	Martinsville	87.06	36	P	P	14 28 55.7	-0.9
LONY	Lake Ozonia	87.10	26	eP	P	14 28 55.8	-0.9
LONY	Lake Ozonia	87.10	26	P	P	14 28 55.7	-1.1
R45A	Skyler, Fairfr	87.14	38	P	P	14 28 56.4	-0.7
PQI	Presque Isle	87.17	21	eP	P	14 28 56.2	-0.8
S44A	Carbondale	87.18	39	P	P	14 28 56.9	-0.3
SIUC	Southern Illin	87.18	39	eP	P	14 28 57.0	-0.2
T43A	Greenville	87.18	40	P	P	14 28 57.7	-0.5
BLO	Bloomington	87.21	36	eP	P	14 28 57.3	0.0
BLO	Bloomington	87.21	36	eP	P	14 28 57.3	0.0
FRNY	Flat Rock	87.23	25	eP	P	14 28 55.9	-1.4
JCT	Junction City	87.31	50	eP	P	14 28 58.1	+0.2
JCT	Junction City	87.31	50	eP	P	14 28 58.2	+0.2
JCT	Junction City	87.31	50	P	P	14 28 57.7	-0.3
O49A	Covington	87.31	34	P	P	14 28 57.1	-0.7
N50A	Nevada	87.31	33	P	P	14 28 57.3	-0.5
V41A	Mountainview	87.31	42	P	P	14 28 57.0	-1.0
U42A	Revdend	87.31	41	P	P	14 28 57.0	-0.8
W40A	Ferguson Farm,	87.32	43	eP	P	14 28 57.9	0.0
W40A	Ferguson Farm,	87.32	43	P	P	14 28 57.1	-0.8
X39A	Fountain Ranch	87.32	44	P	P	14 28 57.7	-0.3
PBMO	Poplar Bluff	87.36	40	eP	P	14 28 57.7	-0.4
ERPA	Erie	87.40	31	eP	P	14 28 58.0	-0.2
ERPA	Erie	87.40	31	P	P	14 28 57.7	-0.5
Q47A	Bedord North L	87.45	36	P	P	14 28 57.6	-0.9
P48A	Mitroy	87.45	35	P	P	14 28 57.4	-1.1
WHTX	Lake Whitney,	87.48	48	eP	P	14 28 59.5	+0.7
WHTX	Lake Whitney,	87.48	48	P	P	14 28 58.7	-0.1
S45A	Carrier Mills	87.51	39	P	P	14 28 58.1	-0.7
T44A	Benton	87.51	40	P	P	14 28 58.0	-0.8
R46A	Gibson Southern	87.56	38	P	P	14 28 58.3	-0.7
MIAR	Mount Ida	87.57	44	eP	P	14 28 58.8	-0.3
MIAR	Mount Ida	87.57	44	eP	P	14 28 58.8	-0.3
MIAR	Mount Ida	87.57	44	P	P	14 28 58.8	-0.3
MMNV	Mt. Morris Dam	87.63	29	eP	P	14 28 58.8	-0.5
O50A	Cable	87.64	34	P	P	14 28 58.7	-0.7
V42A	Cord	87.67	41	P	P	14 28 58.8	-0.8
P49A	Miami Univ. Ec	87.69	35	P	P	14 28 58.9	-0.8
U43A	Rector	87.70	40	P	P	14 28 59.2	-0.5
ALLY	Allegny Colle	87.74	31	eP	P	14 28 60.0	+0.1
W1B	Gary Mativy, V	87.75	42	eP	P	14 28 59.1	-0.9
Q48A	North Vernon	87.76	36	P	P	14 28 59.2	-0.7
NCB	Newcomb	87.80	26	eP	P	14 28 59.4	-0.7
ACSO	Alum Creek Sta	87.83	33	eP	P	14 28 59.3	0.0
ACSO	Alum Creek Sta	87.83	33	LR	LR	14 28 59.2	-1.1
VAE	Valugamera	87.84	322	LR	LR	15 13 06.9	
S46A	Don Dixon Farm	87.90	38	P	P	14 29 00.1	-0.5
THZ	Tophouse	87.92	158	eP	P	14 29 02.8	+2.4
R47A	Wooly Knot Far	87.93	37	P	P	14 29 00.2	-0.6
U44A	Portageville	87.94	40	P	P	14 29 00.3	-0.5
VT1	Van Hookery	87.94	25	eP	P	14 29 00.5	-0.2
X40A	Basin Creek Fa	87.99	43	eP	P	14 29 01.4	+0.2
X40A	Basin Creek Fa	87.99	43	P	P	14 29 00.8	-0.4
T45A	Paducah	88.01	39	P	P	14 29 00.4	-0.8
P50A	Jamestown	88.02	34	P	P	14 29 00.7	-0.5
SNZO	Southern Karori	88.02	157	PFAKE	LR	14 29 10.0	+9.3
W42A	Bald Knob	88.03	42	P	P	14 29 00.4	-0.9
M54A	Oil Creek Stat	88.05	31	eP	P	14 29 01.1	-0.3
M54A	Oil Creek Stat	88.05	31	P	P	14 29 00.6	-0.8
Q49A	Aurore	88.06	35	P	P	14 29 00.8	-0.6
WCI	Wyandotte Cave	88.09	37	eP	P	14 29 01.2	-0.3
WCI	Wyandotte Cave	88.09	37	P	P	14 29 01.2	-0.3
WCI	Wyandotte Cave						

25d 14h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ODZ Otahua Downs, Y46A Houston, Z45A Winona, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like 149A Jones, X53A Estanolee, MVO Monaco, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like MESJ Messejana, MESJ Messejana, MESJ Messejana, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like G003 Copiap, HJA Humahuaca, LCO Las Campanas, etc.

ISCJB 25 14:21:08.3±0.5, 28°18'N, 0°04.5'E, 13E±0.06, h10km, mb4.0/4, Error ellipse: s-maj=8.0km s-min=5.1km az=147.8

IDC 25 14:21:08.4±3.4, 28°05'N, 54°92'E, h0km, mb3.9/4, mb1.4/0.5, mb1mx3.7/67, mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=88.5km s-min=25.2km az=50.0

TEH 25 14:21:10.4, 28°26'N, 55°20'E, h20km, ML3.8, ISC 25 14:21:09.2±0.9, 28°24'N, 0°06.5'E±1E±0.05, h10km, n28, r183/23, mb3.9/4, Southern Iran

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNDS Bandar-Abbas, GENO Geno, JHRM Jahrom, etc.

MOS 25 14:22:36.0±1.1, 42°00'N, 143°30'E, h45km, mb4.2/1, Error ellipse: s-maj=99.9km s-min=15.7km az=54.5

ISCJB 25 14:22:37.1±0.9, 42°36'N, 0°05:143°09'E±0.05, h50km, 7km, Error ellipse: s-maj=8.9km s-min=6.3km az=168.8

JMA 25 14:22:37.1±0.1, 42°35'N, 143°10'E, h48km, ML3, ISC 25 14:22:38.6±1.1, 42°41'N, 0°04:143°07'E±0.03, h33km, 3km, r116, r130/29, 2C, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JTHR Tokachihiro, JNKB Urakawa-nobuka, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLVR comp=E,212nm,0.2s, GRPR Tuman, etc.

PRU 25 14:27:25.2±0.0, 49°87'N, 18°52'E, h0km, Czech and Slovak Republics

OKC Ostrava-Krasne, 0.24 262 Op ISC h m s ISC 14 27 30.2 +0.3

DPC Dobruska-Polom, 1.49 290 ePg Pn 14 27 52.6 -0.7

IDC 25 14:32:32.3±3.2, 25°87'S, 178°66'W, h298km, 31km, mb3.7/1.1, mb1.3/9/14, mb1mx3.5/51, mbtmp4.4/14, Error ellipse: s-maj=16.8km s-min=15.9km az=3.0

ISC 25 14:48:36.7±0.6, 26°10'S, 008°17'8.6'W±0.1, h342km, n22, r193/23, mb3.8/1.1, 1D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, etc.

RSNC 25 15:01:47.7±0.7, 6°81'N, 73°13'W, h151km, gkm, ML1.7, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BARC Barichara, BARRC Barranca, etc.

ISCJB 25 15:03:15.2±0.5, 42°24'N, 0°05:143°05'E±0.05, h62km, 4km, mb3.5/5, Error ellipse: s-maj=8.4km s-min=5.4km az=151.1

MOS 25 15:03:15.5±0.6, 42°24'N, 143°06'E, h73km, mb4.1/1, Error ellipse: s-maj=28.8km s-min=9.5km az=59.3

JMA 25 15:03:16.7±0.1, 42°30'N, 143°06'E, h48km, 1km, M3.2, Broadband fault plane solution: P waves, NP1: phi=131.00000°, delta=676.00000°, lambda=89.00000°, NP2: phi=315.00000°, delta=814.00000°, lambda=89.00000°, Principal axes: T: Plg59.00000°, Azm40.00000°; N: Plg1.00000°, Azm131.00000°; P: Plg31.00000°, Azm222.00000°

IDC 25 15:03:17.4±2.2, 42°30'N, 142°93'E, h68km, 19km, mb3.2/5, mb1.3/4.7, mb1mx3.1/73, mbtmp3.5/7, Error ellipse: s-maj=32.9km s-min=15.4km az=98.0

ISC 25 15:03:16.0±0.9, 42°25'N, 0°06:143°04'E±0.05, h52km, 7km, n33, r191/37, mb3.6/5, 4C-6D, Hokkaido region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JTHR Tokachihiro, JNKB Urakawa-nobuka, etc.

GRPR Tuman, 2.65 48 ePn Pn 15 03 56.7 +0.5

GRPR comp=E,42nm,0.1s pmax pmax 15 04 27.3 +0.2

GRPR comp=N,42nm,0.2s pmax pmax 15 03 25.5 +0.7

GRPR comp=N,122nm,0.2s pmax pmax 15 03 44.9 -1.2

GRPR comp=N,213nm,0.3s pmax pmax 15 03 58.0 +1.2

LAGR Lagunnoye, 2.70 47 ePn Pn 15 03 58.0 +1.2

LAGR comp=N,143nm,0.4s pmax pmax 15 04 29.5 +1.3

LAGR comp=N,36nm,0.2s pmax pmax 15 03 58.0 +0.8

LAGR comp=N,486nm,0.6s pmax pmax 15 04 30.0 +1.1

LAGR comp=N,70nm,0.2s pmax pmax 15 03 58.0 +0.8

LAGR comp=N,143nm,0.4s pmax pmax 15 03 58.0 +1.2

LAGR comp=N,14nm,0.2s pmax pmax 15 04 04.3 +0.4

LAGR comp=N,14nm,0.2s pmax pmax 15 04 40.1 -0.8

LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

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LAGR comp=N,14nm,0.2s pmax pmax 15 04 59.4 0.0

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HHC, MA2, GUMO, BTO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DGZ, CMAI, CHAI, FAKI, WMQ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BPAW, GKN, JOHN, KTH, MLY, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Vestal, Richgr, SORM, Soroca, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LANS, Liptovska Anna, DRGR, KSP, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KHC, Kasperke Hory, GEC2, GERES, etc.

2520 Hz

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WMOK Wichita Mounta, P40A Paris, T38A Diamond, TX31 Lajitas Ar. Si, etc.

MEX 25 18:58:46.0, 16.52N, 98.46W, h18km, 89km, MD3.5, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ICD 25 19:32:52.7, 5.3155S, 179.96E, h0km, mb3.2, mb1 3.5/2, mb1mx3.3/4.5, mbtmp3.3/2, Error ellipse: s-maj=216.6km s-min=56.9km az=158.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Alice Springs, WRA Warrungarra Arr, FINES FINES Array B, etc.

DJA 25 19:38:35.6, 0.4, 0.3, 12.3'E, h134km, 5km, M3.7/13, MB5.5/1, mb3.9/3, MLV3.6/13, Mw(MB)4.9/1, Minahassa Peninsula, Sulawesi

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

ISK 25 19:42:24.5, 38.85N, 43.53E, h22km, ML2.2/2, ICSJB 25 19:42:25.1, 1.2, 38.87N, 0.05, 43.58E, 0.07, h28km, 8km, Error ellipse: s-maj=9.7km s-min=1.1km az=23.9, DDA 25 19:42:25.1, 38.91N, 43.53E, h24km, ML2.7, ICS 25 19:42:25.0, 1.1, 38.89N, 0.05, 43.52E, 0.05, h15km, 8km,

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n8, 0074/15, 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, etc.

ICD 25 19:45:07.0, 8.0, 29.86S, 176.75W, h0km, mb3.2/2, mb1 3.5/2, mb1mx3.3/4.5, mbtmp3.3/2, Error ellipse: s-maj=337.2km s-min=58.2km az=154.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, FINES FINES Array B, etc.

BEO 25 19:48:09.1, 0.7, 43.38N, 17.07E, h0km, ML2.5/11, PDG 25 19:48:10.2, 0.4, 43.32N, 17.27E, h3km, ML2.6/11, Error ellipse: s-maj=0.7km s-min=1.2km az=0.0, ICS 25 19:48:10.1, 1.1, 43.33N, 17.20E, 0.03, h8km, 9km, n62, i150/102, 15C-112, Northwestern Balkan Peninsula

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

KRSC 25 19:55:04.2, 1.2, 48.57N, 156.13E, h31km, 16km, 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, SKR Zvezhka, PAU Pau, etc.

SKR Severo-Kuril's, SKR Zvezhka, PAU Pau, KDRTR Khodutka, Kamc

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KDRTR Mutsnovka, MTRV Mutsnovka, RUS Rusnokaya, etc.

ISCJB 25 20:00:45.7, 0.5, 1.27N, 0.0, 4.126, 89E, 0.05, h72km, mb3.8/1.0, Error ellipse: s-maj=8.4km s-min=5.3km

DJA 25 20:00:47.3, 0.4, 1.1N, 3.3, 12.7E, h48km, 11km, M4.0/8, MLV4.0/8, IDC 25 20:00:50.4, 4.2, 1.15N, 126.98E, h104km, 42km, mb3.6/1.0, mb1 3.6/1.2, mb1mx3.8/4.7, mbtmp3.8/4.7, Error ellipse: s-maj=39.7km s-min=13.4km az=81.0, ICS 25 20:00:47.1, 0.7, 1.25N, 0.05, 126.91E, 0.07, h72km, n18, c078/21, mb3.9/1.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, TMTI Labuha, SGTI Sangihe, etc.

WRA Warrungarra Arr, ASAR Alice Springs, STKA Stephens Creek, etc.

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

NIED 25 20:01:00.2, 42.30N, 143.10E, h53km, Mw3.7, Best double couple: M4.08000, 1014 NP1, 359.00000, 832.00000, lambda=74.00000, NP2, 160.00000, 860.00000, lambda=100.00000, ICSJB 25 20:01:00.2, 6.0, 4.2, 24N, 10.0, 4.143, 14E, 0.05, h63km, 3km, mb3.6/1.2, Error ellipse: s-maj=7.4km s-min=5.8km az=154.9

JMA 25 20:01:22.2, 0.1, 42.32N, 143.10E, h49km, 1km, M3.5, IDC 25 20:01:23.4, 2.0, 42.32N, 143.10E, h72km, 16km, mb3.4/1.2, mb1 3.6/1.3, mb1mx3.7/4.7, mbtmp3.7/1.3, MS3.3/6, mb1 3.3/6, ms1m2.7/4.5, Error ellipse: s-maj=19.0km s-min=15.1km az=105.0, ICS 25 20:01:21.1, 0.7, 42.28N, 143.14E, 0.04, h54km, 6km, n29, i135/39, mb3.6/1.2, MS3.3/6, 6C-2D, Hokkaido region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JTHR Tokachihiroo, JTHR JCH, JEM Erimo, etc.

ASAJ Ashikawa, ASAJ 17m, 0.3, baz=202, slow=12, SNR=202

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAJ, MJAR Matushiro Arr, MJAR KMSI, etc.

ICD 25 20:00:47.1, 0.7, 1.25N, 0.05, 126.91E, 0.07, h72km, n18, c078/21, mb3.9/1.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KDRTR Mutsnovka, MTRV Mutsnovka, RUS Rusnokaya, etc.

ISCJB 25 20:22:06.9, 0.5, 32.94N, 0.02, 35.15E, 0.05, h10km, 3km, Error ellipse: s-maj=7.6km s-min=3.0km az=19.6, GII 25 20:22:06.4, 0.0, 32.92N, 35.17E, h3km, MD2.0/10, GRAL 25 20:22:12.4, 0.0, 33.09N, 35.39E, h7km, 3km, MD3.1, ICS 25 20:22:06.6, 0.0, 32.94N, 0.03, 35.22E, 0.05, h15km, 6km, n22, i107/36, Dead Sea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bet Lehem HaGee, Kefar, Kefar Szold, Keshet, Mount Malkishu, etc.

SJA 25 20:26:41.70.0.8, 31.43S:68.64W, h105km, 2km, ML3.4, MW3.8
ISCJB 25 20:26:42.10.0.6, 31.40S:0.03:68.63W, 0.05, h108km, 6km, Error ellipse: s-maj=6.9km s-min=5.1km az=11.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Zonda, Cerro Villicun, Cerro Valdivia, MOGNA, Leoncito, Uspallata, etc.

ISCJB 25 20:27:03.0.0.8, 11.13S:0.09:164.53E, 0.09, h29km, mb4.2/11, MS3.02, Error ellipse: s-maj=16.0km s-min=9.7km az=44.4
NEIC 25 20:27:05.6.1.0, 11.03S:164.66E, h35km, mb4.5/3, Error ellipse: s-maj=21.7km s-min=13.3km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Honiara, Mont Dzumac, STKA, Warramunga Arr, etc.

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

TEH 25 20:57:57.9, 37.08N:57.80E, h10km, ML3.6
ISCJB 25 20:57:58.4, 0.4, 37.12N:0.04:57.81E, 0.04, h10km, mb3.5/4, MS2.8/1, Error ellipse: s-maj=5.5km s-min=4.3km az=21.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sfrayin, Qucahn, Kardeh, etc.

ICD 25 20:58:00.1, 2.0, 37.27N:57.49E, h0km, mb3.5/5, Mb1 3.8/8, mb1mx3.4/65, mbtmp3.7/8, ML2.3, MS2.7/2, Ms1 2.7/2, ms1mx2.2/61, Error ellipse: s-maj=31.1km s-min=13.3km az=144.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Maravah tapeh, Moghan, Shahrood, etc.

ANC 25 20:58:08.4, 4.5, 38.00N:57.55E, h0km, mb3.8, Error ellipse: s-maj=87.6km s-min=32.9km az=81.0
ISC 25 20:57:58.6, 0.7, 37.13N:0.05:57.83E, 0.04, h10km, n35, az=20/34, mb3.5/4, 2C-1D, Iran-Turkmenistan border

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Dikili, Kayabasi, Akhisar, etc.

MAN 25 21:14:17.1, 18.24N:121.26E, h1km, mb4.4, ML3.2, MS3.0, ID, Luzon
Code Station Name Az Az' Phase ID Time Res

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Conner, Mt. Cagua, Callao Caves, etc.

NNC 25 21:14:43.5, 1.3, 37.53N:171.61E, h133km, 25km, mb2.9, mpv3.8, 3C-5D, Error ellipse: s-maj=16.6km s-min=10.5km az=73.0, Afghanistan-Tajikistan border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, Ala-Archa, etc.

MAN 25 21:16:27.8, 20.36N:122.24E, h33km, mb4.1, ML2.9, MS2.5, Philippine Islands region
Code Station Name Az Az' Phase ID Time Res

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Basco, Mt. Cagua, Conner, etc.

RSNC 25 21:22:44.7, 0.8, 6.83N:73.15W, h148km, 4km, ML3.2, Mw3.5, Northern Colombia
Code Station Name Az Az' Phase ID Time Res

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Barichara, Giron, Santand, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Simav-Kutahya, Bursa, Afyon, etc.

TAP 25 23:42:16.0, 24:24N:121:36E, h11km, ML1.2, ID, B,

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Nan Shan, Tachien, Yeheng, etc.

TAP 25 23:42:21.6, 24:39N:121:37E, h10km, ML1.2, D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Nan Shan, Tachien, Yeheng, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Nan Shan, Tachien, Yeheng, etc.

ICD 26 00:00:38.3±7.3, 17.54S±178.17W, h562km±77km, mb2.8/5, mb1.3/1.5, mb1mx2.7/5.1, mbmtpp3.7/5, Error ellipse: s-maj=149.6km s-min=30.7km az=150.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ICD 26 00:18:27.2±28.0, 23:25S:175:19W, h0km, mb4.1/4, mb1.4/2.4, mb1mx3.7/46, mbmtpp4.1/4, Error ellipse: s-maj=519.3km s-min=146.0km az=78.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, AFI Afiamalu, RAF Faratonga, etc.

ISC 26 00:59:42.9±0.8, 19.9S:02:177:6W±0.1, h550km, mb3.5/8, Error ellipse: s-maj=26.1km s-min=10.5km az=143.2

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, AFI Urewera, CTA Charters Tower, etc.

ISC 26 00:59:44.3±0.8, 19.8S:02:177:6W±0.1, h550km, n15, @160/17, mb3.5/8, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like AFI Afiamalu, AFI Urewera, CTA Charters Tower, etc.

AZER 26 02:13:37.8±1.4, 38:42N:46:61E, h13km, ml4.0/16, Error ellipse: s-maj=2.4km s-min=1.2km az=4.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Heris, Ordubad, Bostanabad, etc.

ICD 26 02:13:39.5±1.1, 38:46N:02:46:71E, h1km±9km, n90, @181/99, mb4.0/6, MS3.1/11, 18C-20D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Heris, Ordubad, Bostanabad, etc.

Large table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like Azarshahr, Sarab, Germin, etc.

Table with columns: NOA, NORSAR Array B, NR1K, SONM, CMAR, etc. Includes station names, coordinates, and status.

IDC 26 02:21:48.2.1.1, 9.64S, 151.42E, h0km, mb3.9/9, mb1.4/0.11, mb1mx3.9/4.7, mbtmp3.9/11, ML3.6/1, MS3.4/13, MS1.3/4.13, ms1mx3.1/5.1, Error ellipse: s-maj=26.4km s-min=17.6km az=134.0

ISCJB 26 02:21:50.5.1.1, 9.65S, 151.3E, h24km, mb3.9/9, MS3.4/9, Error ellipse: s-maj=29.1km s-min=13.4km az=25.8

ISC 26 02:21:52.1.1.1, 9.65S, 151.3E, h24km, n19, o070/13, mb3.9/9, MS3.4/9, D'Entrecasteaux Islands region

Main table of station data for the first section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 26 03:04:03.0.16.0, 51.90N, 36.39W, h0km, mb3.1/1, mb1.3/5.1, mb1mx2.9/7.9, mbtmp3.1/1, Error ellipse: s-maj=976.1km s-min=67.0km az=40.0, North Atlantic Ocean

Table of station data for the North Atlantic Ocean region.

IDC 26 03:06:06.3.2.1, 52.93N, 35.26W, h0km, mb3.5/4, mb1.3/7.4, mb1mx3.3/8.0, mbtmp3.5/4, Error ellipse: s-maj=62.3km s-min=32.0km az=29.0, Reykjanes Ridge

Table of station data for the Reykjanes Ridge region.

ISCJB 26 03:06:49.8.0.5, 53.0N, 0.1, 35.18W, h0km, mb4.1/30, Error ellipse: s-maj=16.5km s-min=6.7km az=175.1

IDC 26 03:06:49.5.1.0, 52.93N, 35.32W, h0km, mb3.9/15, mb1.4/1.16, mb1mx3.8/8.1, mbtmp4.0/16, ML4.0/1, Error ellipse: s-maj=32.4km s-min=14.8km az=2.0

NEIC 26 03:06:51.3.0.4, 52.92N, 35.22W, h10km, mb4.2/16, Error ellipse: s-maj=14.2km s-min=5.6km az=175.0

ISC 26 03:06:51.5.0.8, 53.0N, 0.2, 35.25W, h070, h10km, n39, o074/42, mb4.1/30, Reykjanes Ridge

Main table of station data for the second section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table of station data for the 2012 AUG section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 26 03:08:51.8.2.5, 52.75N, 35.51W, h0km, mb3.5/4, mb1.3/7.4, mb1mx3.3/8.0, mbtmp3.5/4, Error ellipse: s-maj=85.5km s-min=28.5km az=31.0, Reykjanes Ridge

Table of station data for the Reykjanes Ridge region.

ISCJB 26 03:09:40.9.0.8, 53.2N, 0.2, 35.3W, h0, h10km, mb4.0/13, Error ellipse: s-maj=27.5km s-min=9.4km az=177.4

IDC 26 03:09:40.5.1.4, 53.07N, 35.33W, h0km, mb3.8/8, mb1.3/9.9, mb1mx3.5/7.0, mbtmp3.9/8.9, ML3.6/1, Error ellipse: s-maj=44.8km s-min=20.9km az=8.0

NEIC 26 03:09:42.0.5, 53.07N, 35.27W, h10km, mb4.1/5, Error ellipse: s-maj=17.5km s-min=6.4km az=176.0

ISC 26 03:09:42.4.1.0, 53.1N, 0.3, 35.27W, h0, h10km, n22, o049/23, mb4.0/13, Reykjanes Ridge

Main table of station data for the 2012 AUG section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

ISCJB 26 03:10:48.7.0.7, 19.23N, 0.06, 146.2E, h0km, mb3.8/10, Error ellipse: s-maj=29.0km s-min=8.6km az=6.1

IDC 26 03:10:57.3.2.1, 18.83N, 145.76E, h200km, 23km, mb3.6/9, mb1.3/7.11, mb1mx3.3/7.3, mbtmp4.0/11, Error ellipse: s-maj=26.6km s-min=15.3km az=85.0

ISC 26 03:10:49.4.0.8, 19.20N, 0.08, 146.0E, h02, h109km, n15, o261/13, mb3.9/10, Mariana Islands region

Main table of station data for the 2012 AUG section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table of station data for the 1174 section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

IDC 26 03:16:49.8.0.7, 53.02N, 35.14W, h0km, mb4.1/20, mb1.4/3.22, mb1mx4.0/7.8, mbtmp4.1/22, ML3.5/2, Error ellipse: s-maj=24.3km s-min=11.1km az=70.0

ISCJB 26 03:16:50.1.0.2, 52.97N, 35.05, 35.20W, h0.04, h13km, mb4.5/96, Error ellipse: s-maj=7.8km s-min=2.9km az=172.5

GCMT 26 03:16:51.8.0.4, 53.23N, 0.05, 35.13W, h0.04, h12km, MW4.7/7.2, Moment Tensor: s15,c17; s72,c98; Duration: 0 Moment tensor: Scale 10^18Nm; Mirr-1.50E-07; Mw0.19±.09; Mw1.31±.06; Mw0.62±.38; Mw0.28±.06; Mw0.24±.28; Best double couple: Mw1.56700E+16

NP1: 30.210.00000, 35.5.00000, A-70.00000. NP2: 35.359.00000, 34.0.00000, A-115.00000. Principal axes: T-1.4280, P16.0000, Azm18.0000, P-1.7070, P16.720000. Azm171.0000. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 26 03:16:51.8.0.2, 53.00N, 35.09W, h10km, mb4.6/82, Error ellipse: s-maj=6.9km s-min=2.9km az=178.0

ISC 26 03:16:51.8.0.5, 53.0N, 0.1, 35.20W, h0.05, h13km, n325, o090/327, mb4.5/96, 6C, Reykjanes Ridge

Main table of station data for the 1174 section, including columns for Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like H46A Monticello, H40A Chili, P48A Milroy, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like Y49A Blount Mountain, Q40A Laux Farm, S42A Caledonia, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other parameters. Includes stations like T25A Trinidad, DAWY Dawson, NEW Newport, etc.

Table with columns: STA, Gaotai, 80.07, 34, SS, SS, 03 44 15.0+7. Includes stations like GTA, WRAB, WRA, CHTAO, ASAR.

IDC 26 03:19:58.7±2.0, 52.88N±35.29W, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.4/81, mbtmp3.7/6, ML3.7/1, Error ellipse: s-maj=56.5km s-min=27.4km az=24.0, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EKA, ESDC, FINES, BRTR, ILAR, BVAR, WRA, ASAR.

IDC 26 03:20:52.6±0.5, 53°01'N±35°18'W, h0km, mb4.1/28, mb1 4.3/30, mb1mx4.2/82, mbtmp4.2/30, ML3.6/2, MS4.1/4, Ms1 4.1/4, ms1mx3.5/21, Error ellipse: s-maj=16.2km s-min=9.9km az=4.0

ISCJB 26 03:20:53.5±0.1, 53°02'N±0°04'35.27W±0°02'13h3km, mb4.7/236, Error ellipse: s-maj=5.2km s-min=2.1km az=175.2

GCMT 26 03:20:54.8±0.3, 53°31'N±0°04'35.06W±0°03'12h2km, MW4.9/70, Moment Tensor Solution, s6, c6, s7, c7, c108; Duration: 0 Moment tensor; Scale: 1.016Nm; Mf: 1.905; 08; Mw: 0.1±0.1; M: 2.03±0.06; Mf1: 1.34±0.40; Mw: 0.35±0.06; Mw: 0.59±0.33; Best double couple; M2: 42500x1016 NP1: 341.00000°, 858.00000°, -124.00000°. NP2: 342.13000°, 846.00000°, -48.00000°. Principal axes: T: 2.1300, P1: 7.0000, Azm: 95.0000; N: 0.5880, P1: 29.0000, Azm: 1.0000; P: -2.7200, P1: 61.0000, Azm: 197.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 26 03:20:54.9±0.1, 52.99N±35°18'W, h10km, mb4.7/203 Error ellipse: s-maj=5.0km s-min=2.4km az=176.0

BUJ 26 03:20:54.9±0.1, 53°09'N±35°10'W, h10km, mb4.8/19, mb5.2/10, Ms4.8/6, Ms7 4.8/6

ISC 26 03:20:55.1±0.4, 53.06N±0°08'35.24W±0°05'h13km, n598, 0±989/594, mb4.7/240, 11C-6D, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BORG, SFJD, ILULI, SCHQ, GBN, ESK, EKA, SUMG, FRB, HAL, LMN, BATG, PGAV, POLO, PBRC, MVO, MVM, EMMW, PTOM, PCBR, PMTG, PMRV, PKME, PKME, PESTR, PESTR, EVO, WVW, PBEJ, BCLA, PAB, BEBN, ESDC, ESDC, ESLS, MOQ, ES19, MEM, NB2, NOA, HNH.

Table with columns: TRQ, Mont Tremblant, 26.10 271, eP, P, 03 26 29.3 +0.8. Includes stations like HRV, TULEG, LONY, VLDQ, NCB, CLL, CLL, DAVOX, RETA, SADO, FETA, MOTA, N59A, N59A, BRG, WATA, WTTA, KHC, PRA, GECZ, GERES, GEAO, SSFA, KBA, MOA, MYKA, ARCES, RES, KRUC, OBKA, N54A, N54A, CONA, ARSA, MORC, MORC, MORC, F45A, FINES, FIA1, E43A, OJC, VYHS, LANS, M50A, F43A, SUW, C40A, E42A, D41A, L48A, M49A, P52A, ACSO, ACSO, E41A, PSZ, BLY, COWI, G42A, G42A, G50A, P51A, F41A, F41A, CRVS, E40A, EYMN, EYMN, H42A, H42A, P50A, I43A, Q51A, KEST, KEST, F40A, E39A, J43A, I42A, I42A, G40A, G40A.

Table with columns: H41A, Junction City, 36.01 279, eP, P, 03 27 56.5 +0.9. Includes stations like Q50A, P49A, F39A, E38A, R51A, TRPA, S52A, K43A, N46A, J42A, H40A, I41A, I41A, O47A, P48A, TS2A, G39A, S51A, R50A, F35A, U53A, L43A, K42A, M44A, N45A, BZS, J41A, DRGR, SFIN, SFIN, H39A, P47A, G38A, Q48A, S50A, A33A, T51A, UZ2A, T52A, PDG, TGT, N44A, JFWS, JFWS, BLO, J40A, O45A, M43A, Q47A, VAE, S49A, L42A, L42A, H38A, SPMN, I39A, I39A, NHSC, U51A, T50A, WCI, WCI, N43A, P45A, P45A, R47A, I38A, I38A, T49A, T49A, L40A, M41A, P44A, J38A, K39A, N42A, S47A, I37A.

T48A	Bowling Green	baz=55	38.59	267	P	P	03 28 18.2	+0.6
U49A	Red Boiling Sp	baz=49	38.61	265	P	P	03 28 17.8	0.0
AKASG	Malin Array B	baz=67	38.67	67	P	P	03 28 16.4	-1.7
AKBB	Malin Array Si	comp=Z,1.1nm,0.6s,ba	38.67	67	eP	P	03 28 17.6	-0.4
V50A	Pikeville	baz=53	38.77	264	P	P	03 28 19.1	0.0
USIN	University of	comp=Z,24nm,1.1s	38.80	269	eP	P	03 28 25.0	+5.7
BIZ	Gleaz	baz=48	38.83	74	J/P	P	03 28 20.7	+1.2
L39A	Vinton	baz=54,SNR=9.8	38.84	277	P	P	03 28 19.2	-0.4
D57A	Skidaway Islan	baz=44	38.93	256	P	P	03 28 20.1	-0.4
20PR	Dopca	baz=50	38.94	75	J/P	P	03 28 18.3	-2.1
R45A	Skylar, Fairir	baz=50	38.96	270	P	P	03 28 20.3	-0.4
M40A	Post Highland	baz=53	38.97	276	P	P	03 28 20.6	-0.1
K38A	Parkersburg	comp=Z,29nm,1.0s	38.99	278	eP	P	03 28 21.2	+0.3
K38A	Parkersburg	baz=54,SNR=7.9	38.99	278	P	P	03 28 20.7	-0.2
S46A	Dot Dison Farm	baz=50	39.01	268	P	P	03 28 20.5	-0.5
Q44A	Meyer Farm, Va	baz=51	39.02	271	P	P	03 28 20.8	-0.3
VOIR		39.03	76	J/P	P	P	03 28 22.6	+1.3
H35A	Sunnyside Ranc	baz=56,SNR=7.4	39.03	282	P	P	03 28 21.1	-0.1
J37A	Redenius Farm,	baz=55	39.07	280	P	P	03 28 21.0	-0.6
U48A	Cassie Pea, Po	baz=48	39.07	266	P	P	03 28 21.2	-0.5
T47A	Sharon Grove	baz=49	39.10	267	P	P	03 28 21.7	-0.1
Z54A	Sparta	baz=49	39.10	259	P	P	03 28 21.6	-0.3
V49A	McMinnville	baz=48	39.19	265	P	P	03 28 23.1	+0.5
W50A	Signal Mountai	baz=47	39.21	263	P	P	03 28 22.8	-0.1
M39A	Webster	baz=53	39.33	276	P	P	03 28 23.5	-0.2
GOGA	Godfrey	baz=45	39.35	260	P	P	03 28 24.4	+0.5
X51A	Calhoun	baz=46	39.37	262	P	P	03 28 23.9	-0.2
O41A	Passleys Farm,	baz=52,SNR=5.9	39.38	274	P	P	03 28 23.8	-0.3
Y52A	Liburn	baz=46	39.38	261	P	P	03 28 24.4	+0.2
P42A	Winchester	comp=Z,1.9nm,1.0s	39.39	273	eP	P	03 28 24.8	+0.5
P42A	Winchester	baz=51,SNR=7.2	39.39	273	P	P	03 28 24.1	-0.2
L38A	Oak Wood Farm,	baz=54	39.40	278	P	P	03 28 24.3	0.0
K37A	Belmond	baz=54,SNR=13	39.44	279	P	P	03 28 23.9	-0.7
SORM	Soroca	39.48	71	J/P	P	P	03 28 24.4	-0.5
J36A	Seneca 1, Swea	comp=Z,1.5nm,1.0s	39.52	280	eP	P	03 28 26.1	+0.8
J36A	Seneca 1, Swea	baz=54,SNR=7.2	39.52	280	eP	P	03 28 24.5	-0.8
MLR	Muntele Rosu	39.53	76	J/P	P	P	03 28 27.4	+1.9
MLR	Muntele Rosu	comp=Z,1.1nm,1.3s	39.53	76	eP	P	03 28 27.4	+1.9
T46A	Princeton	baz=49	39.54	268	P	P	03 28 24.8	-0.7
FNA	Florina	comp=Z,33nm,1.8s	39.56	85	eP	P	03 28 25.8	+0.1
U47A	Clarksville	baz=48	39.57	267	P	P	03 28 25.8	0.0
VTS	Vitosh	39.57	81	J/P	P	P	03 28 27.1	+1.2
SCIA	State Center	comp=Z,1.9nm,0.9s	39.69	278	eP	P	03 28 27.0	+0.3
SCIA	State Center	baz=53	39.69	278	P	P	03 28 26.9	+0.1
V48A	Smith Brothers	comp=Z,1.2nm,1.0s	39.76	265	eP	P	03 28 28.8	+1.4
V48A	Smith Brothers	baz=48	39.76	265	P	P	03 28 27.4	+0.1
VRI	Vrincioia	39.77	75	J/P	P	P	03 28 23.8	-3.6
W49A	Belvidere	baz=47	39.84	264	P	P	03 28 27.6	-0.4
L37A	Phoenix Point,	baz=53	39.88	278	P	P	03 28 27.7	-0.6
N39A	Derby Farms, D	comp=Z,9.3nm,0.9s	39.90	276	eP	P	03 28 29.1	+0.7
SIUC	Southern Ilin	comp=Z,39nm,1.4s	39.90	270	eP	P	03 28 29.8	+1.3
S44A	Carbondale	baz=50	39.93	270	P	P	03 28 28.5	-0.3
Y51A	Rockmart	baz=46	39.96	262	P	P	03 28 28.6	-0.4
O40A	La Belle	baz=52	39.98	275	P	P	03 28 28.4	-0.7
M38A	Pleasantville	baz=53,SNR=12	39.98	277	P	P	03 28 28.3	-0.8
K36A	Gilmore City	baz=54,SNR=13	40.00	280	P	P	03 28 28.6	-0.6
Z52A	Williamson	baz=45	40.07	260	P	P	03 28 29.4	-0.6
VWT	Waverly	comp=Z,1.1nm,1.0s	40.10	267	eP	P	03 28 29.5	-0.7
V47A	Nunnelly	baz=48	40.12	266	P	P	03 28 30.5	+0.1
X49A	Woodville	baz=46	40.29	264	P	P	03 28 31.6	-0.2
O39A	Kirksville	baz=52	40.30	275	P	P	03 28 31.4	-0.4
Q41A	Truxton	baz=51	40.32	273	P	P	03 28 31.7	-0.3
KIS	Kishinev	comp=Z,300nm,13.0s	40.36	72	eP	LRM	03 28 31.0	-1.2
KIS		baz=52	40.36	72	eP	LRM	03 47 22.0	
N38A	Joess South For	baz=52	40.38	276	P	P	03 28 32.5	0.0
P40A	Paris	comp=Z,2.1nm,1.6s	40.45	274	eP	P	03 28 33.6	+0.6
P40A	Paris	baz=51	40.45	274	P	P	03 28 32.8	-0.3
FVM	French Village	comp=Z,24nm,1.3s	40.45	271	eP	P	03 28 34.9	+1.8
V46A	Holladay	baz=48	40.49	266	P	P	03 28 33.4	0.0
M37A	Trindle Farm,	baz=53,SNR=7.1	40.50	278	P	P	03 28 33.4	-0.1
S43A	Fulton Ridge,	baz=49	40.51	270	P	P	03 28 32.9	-0.7
W47A	Westpoint	baz=47	40.55	265	P	P	03 28 33.6	-0.3
ECSD	EROS Data Cent	comp=Z,16nm,1.0s	40.64	282	eP	P	03 28 35.2	+0.7
ECSD	EROS Data Cent	baz=54,SNR=13	40.64	282	eP	P	03 28 34.2	-0.2
YKA	Yellowknife Ar	comp=Z,3.4nm,0.8s,ba	40.72	316	P	PcP	03 28 34.6	-0.5
YKA		baz=61,slow=8.6,SNR=6.3	40.72	316	P	PcP	03 30 35.5	-0.6
Q40A	Laux Farm, Aux	comp=Z,2.4nm,0.9s,ba	40.78	273	P	P	03 28 35.3	-0.7
Q40A		baz=71,slow=3.3,SNR=4.5	40.78	273	P	P	03 28 35.3	-0.7
S42A	Caledonia	baz=50	40.81	271	P	P	03 28 35.9	-0.2
R41A	Rosebud	baz=50	40.83	272	P	P	03 28 35.6	-0.6
CCM	Cathedral Cave	comp=Z,27nm,1.5s	40.90	272	eP	P	03 28 36.1	-0.7
CCM	Cathedral Cave	baz=50	40.90	272	P	P	03 28 36.5	-0.2
P39B	Salisbury	baz=51,SNR=7.7	40.90	274	P	P	03 28 36.4	-0.4
O38A	Galt	baz=52	40.94	276	P	P	03 28 37.0	0.0
T43A	Greenville	baz=49	40.95	270	P	P	03 28 36.9	-0.3
U44A	Portageville	baz=49	40.97	269	P	P	03 28 36.8	-0.5
N37A	Lee Faris, Mou	comp=Z,45nm,0.9s	40.98	277	eP	P	03 28 37.7	+0.3
N37A	Lee Faris, Mou	baz=52,SNR=10	40.98	277	eP	P	03 28 37.0	-0.5
PLAL	Pickwick Lake	41.02	266	eP	P	P	03 28 38.7	+0.9

X47A	Russelville	comp=Z,7.7nm,1.0s	41.21	265	P	P	03 28 39.0	-0.4
Y48A	Jasper	baz=47	41.21	264	P	P	03 28 38.9	-0.4
PBMO	Poplar Bluff	comp=Z,1.7nm,1.2s	41.24	270	eP	P	03 28 40.6	+1.0
P38A	Dawn	comp=Z,20nm,1.0s	41.28	275	eP	P	03 28 40.5	+0.5
P38A	Dawn	baz=51	41.28	275	P	P	03 28 39.4	-0.5
Q39A	Willow Grove F	baz=51,SNR=8.6	41.31	274	P	P	03 28 39.6	-0.5
R40A	Maddies Statio	comp=Z,5.5nm,0.8s	41.37	273	eP	P	03 28 40.5	-0.2
R40A	Maddies Statio	baz=50	41.37	273	P	P	03 28 40.0	-0.6
251A	Midway	baz=50	41.43	260	P	P	03 28 41.0	-0.2
150A	Eclectic	baz=45	41.44	261	P	P	03 28 40.8	-0.4
T42A	Van Buren	comp=Z,32nm,1.8s	41.48	270	eP	P	03 28 41.8	+0.3
T42A	Van Buren	baz=49	41.48	270	P	P	03 28 41.0	-0.5
S41A	Jillico Farms,	baz=49	41.51	271	P	P	03 28 41.3	-0.5
X46A	Booneville	baz=47,SNR=9.2	41.62	266	P	P	03 28 41.9	-0.8
Y47A	UCPARC, Winfie	baz=46	41.62	264	P	P	03 28 42.7	-0.1
Q38A	Coke Store, C	baz=50	41.75	274	P	P	03 28 43.2	-0.6
P37A	Lathrop	baz=50	41.80	276	P	P	03 28 44.1	-0.1
Z48A	Northport	baz=46	41.81	263	P	P	03 28 44.2	-0.1
R39A	Chumby, Stover	baz=50,SNR=7.4	41.82	273	P	P	03 28 43.8	-0.5
T41A	Mountain View	41.87	271	P	P	P	03 28 44.3	-0.5
H05N1	Guadeloupe/Mar	SNR=13	41.90	219	T	T	04 13 13.7	
S40A	Lebanon	baz=49	41.95	272	P	P	03 28 44.9	-0.5
U42A	Revdens	baz=48	42.01	270	P	P	03 28 45.3	-0.6
250A	Grady	baz=44	42.03	261	P	P	03 28 45.5	-0.5
OXF	Oxford	baz=47,SNR=6.8	42.14	266	eP	P	03 28 45.9	-1.1
OXF	Oxford	baz=47,SNR=6.8	42.14	266	eP	P	03 28 46.7	-0.3
Z47A	Carrollton	baz=46	42.24	264	P	P	03 28 47.2	-0.7
T40A	Mansfield	baz=49	42.26	272	P	P	03 28 47.4	-0.5
Q37A	Longview Farm,	baz=50	42.31	275	P	P	03 28 47.4	-0.9
S39A	Bolivar	comp=Z,1.5nm,1.3s	42.39	273	eP	P	03 28 48.9	-0.1
S39A	Bolivar	baz=49,SNR=6.0	42.39	273	P	P	03 28 48.6	-0.4
R38A	Ferwick Farm,	baz=49,SNR=12	42.42	274	P	P	03 28 48.1	-1.1
V42A	Cord	baz=48,SNR=5.9	42.47	269	P	P	03 28 48.6	-1.0
147A	Livingston	comp=Z,1.2nm,1.0s	42.73	263	eP	P	03 28 52.3	+0.5
147A	Livingston	baz=45	42.73	263	P	P	03 28 51.1	-0.7
S38A	Stockton	baz=49,SNR=9.5	42.78	273	P	P	03 28 51.4	-0.8
S39A	Cleaver	comp=Z,42nm,0.9s	42.86	272	P	P	03 28 52.5	-0.3
BGNE	Belgrade	baz=49	42.94	281	eP	P	03 28 53.8	+0.4
BGNE	Belgrade	baz=52	42.94	281	P	P	03 28 53.1	-0.3
V41A	Mountainview	baz=48	42.94	270	P	P	03 28 52.7	-0.9
U40A	Yellville	baz=49	42.98	271	P	P	03 28 53.3	-0.5
TAM	Tamanrasset	comp=Z,1.6nm,1.8s	43.20	118	eP	P	03 28 57.5	+1.6
V40A	Witts Springs	baz=48,SNR=14	43.33	270	eP	P	03 28 56.7	0.0
V40A	Witts Springs	baz=48,SNR=14	43.33	270	P	P	03 28 55.9	-0.8
U39A	Green Forest	baz=49,SNR=9.9	43.34	271	P	P	03 28 56.5	-0.3
T38A	Diamond	baz=49,SNR=13	43.40	273	P	P	03 28 56.6	-0.6
W41B	Gary Mavity, V	comp=Z,1.1nm,0.9s	43.41	269	eP	P	03 28 56.8	-0.4
W41B	Gary Mavity, V	baz=47	43.41	269	P	P	03 28 56.7	-0.5
KSU1	Kansas State U	43.46	277	eP	P	P	03 28 57.2	-0.4
KSU1	Kansas State U	baz=50,SNR=14	43.46	277	eP	P	03 28 56.8	-0.9
HHAR	Hobbs	comp=Z,1.9nm,1.4s	43.69	272	eP	P	03 28 59.8	+0.2
145A	Houston Renfro	baz=45	43.78	265	P	P	03 28 59.5	-0.7
347A	Saraland	baz=46	43.79	262	P	P	03 29 00.1	-0.3
V39A	Pettigrew	baz=48	43.80	271	P	P	03 28 59.5	-1.0
W40A	Ferguson Farm,	baz=47	43.89	270	P	P	03 29 00.3	-0.8
X40A	Basin Creek Fa	comp=Z,8.7nm,0.8s	44.23	269	eP	P	03 29 03.9	+0.1
X40								

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TMUT Trail Mountain, NLU North Lily Min, ANMO Albuquerque, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FRD Ford Ranch, MURC Murrieta, BAR Barrett, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ellipse: s-maj=69.7km, NEIC 26 03:23:51.8, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like Villa Florida, Atahualpa, Brasilia, Snaae, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like GERES, KRSC, Kuril Islands, Severo-Kuril's, etc.

ISCJB 26 05:39:16.6:0.9,32:91S:0:06:70:06W:0:06, h121km,6km, Error ellipse: s-maj=10.1km s-min=7.3km az=158.0

NEIC 26 06:37:03.5:0.4,19:70S:174:41W,h35km,mb4.5/4, Error ellipse: s-maj=13.8km s-min=7.9km az=151.0

ISCJB 26 06:43:24.3:0.2,55:67N:0:03:162:76W:0:04, h160km,1km,mb4.2/88, Error ellipse: s-maj=5.4km s-min=2.5km az=147.8

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like NEIC 26 06:37:06.0:0.6,19:45:0:1x174:50W:0:1, etc.

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

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

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

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

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

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

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

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

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

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

ISCJB 26 06:14:12.0:0.3,6:2246N:144.47E,h0km,mb3.6/5, mb1 3.7/5,mb1mx3.4/6,mbtm3.6/5, Error ellipse: s-maj=161.6km s-min=22.9km az=80.0, Volcano Islands region

CTA0 Charters Tower 36.86 262 P 06 44 09.4 +0.0

KDAX Cape Douglas 5.95 52 P 06 44 51.9 -1.2

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like FITZ, H01W3, H01W2, etc.

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

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

DLBC	Dease Lake	17.88	67	eP	Pn	06 47 24.5 +0.3
INK	Inuvik	18.44	35	P	P	06 47 27.4 -1.3
PETK	Petrozavsk	23.04	280	P	P	06 48 16.6 -0.3
SEY	Seymchan	23.69	306	P	P	06 48 21.8 -0.9
LLBL	Lillooet	24.70	84	eP	P	06 48 34.1 +2.1
YKA	Yellowknife Ar	25.12	54	P	P	06 48 36.4 +0.8
D03D	Eldon	25.57	92	P	P	06 48 41.3 +1.4
B05A	Bryant	25.74	89	P	P	06 48 42.9 +1.5
E04D	Cinebar	26.41	93	P	P	06 48 49.8 +2.3
B08A	Colville Reser	27.25	87	eP	P	06 48 56.9 +1.8
I05D	Terrebonne, OR	28.42	96	P	P	06 49 06.7 +1.2
NEW	Newport	28.56	86	P	P	06 49 07.8 +1.2
NEW	Newport	28.56	86	eP	P	06 49 08.0 +1.4
NEW	Newport	28.56	86	P	P	06 49 07.2 +0.5
F10A	Beach Ranch, E	29.77	90	eP	P	06 49 18.9 +1.4
WALA	Waterton Lakes	29.95	82	eP	P	06 49 20.5 +1.5
JTMT	Jette	30.44	84	eP	P	06 49 25.3 +1.9
MOD	Modoc Plateau	30.56	99	eP	P	06 49 26.6 +2.1
J08A	Circle Bar Ran	30.65	95	eP	P	06 49 27.4 +2.2
MSO	Missoula	31.15	86	P	P	06 49 30.4 +0.9
WVOR	Wild Horse Val	31.15	96	eP	P	06 49 31.9 +2.2
MFID	Camas Ranch	32.12	92	eP	P	06 49 39.9 +1.8
HRY	Holter Researc	32.41	84	eP	P	06 49 42.2 +1.6
HLID	Halley	32.83	91	P	P	06 49 45.0 +0.6
EGMT	Eagleton	32.84	81	eP	P	06 49 45.8 +1.5
EGMT	Eagleton	32.84	81	P	P	06 49 45.1 +0.9
PNTR	Pine Nut	32.87	102	eP	P	06 49 47.2 +2.4
MCMT	McKenzie Canyo	32.94	88	eP	P	06 49 46.8 +1.5
BOZ	Bozeman (W)	33.17	86	eP	P	06 49 48.7 +1.4
BOZ	Bozeman (W)	33.17	86	P	P	06 49 48.2 +1.0
NV01	Min Array Sit	34.05	101	eP	P	06 49 56.5 +1.4
NVAR	Mina Array Bea	34.05	101	P	P	06 49 56.9 +1.8
YHH	Holmes Hill	34.09	86	eP	P	06 49 57.1 +1.7
YMR	Madison River	34.10	87	eP	P	06 49 57.3 +1.9
GCMT	Greycliff	34.16	84	eP	P	06 49 58.5 +2.6
H17A	Grant Village	34.49	87	eP	P	06 50 02.0 +3.2
H17A	Grant Village	34.49	87	P	P	06 50 00.0 +1.2
FLWY	Flagg Ranch	34.61	87	eP	P	06 50 02.4 +2.6
RLMT	Red Lodge	34.79	85	eP	P	06 50 03.6 +2.3
RLMT	Red Lodge	34.79	85	P	P	06 50 02.6 +1.3
LOHW	Long Hollow	34.96	88	eP	P	06 50 04.6 +1.8
LAO	LASA Array	35.57	80	eP	P	06 50 10.1 +2.3
LAO	LASA Array	35.57	80	P	P	06 50 09.2 +1.4
R11A	Troy Canyon, C	35.63	99	eP	P	06 50 10.2 +1.7
R11A	Troy Canyon, C	35.63	99	P	P	06 50 09.5 +1.0
DGMT	Dagmar	35.68	76	P	P	06 50 09.7 +1.1
HWUT	Hardware Ranch	35.69	91	eP	P	06 50 11.5 +2.4
DUG	Dugway, Tooele	35.92	94	eP	P	06 50 12.8 +1.8
DUG	Dugway, Tooele	35.92	94	P	P	06 50 12.2 +1.3
BW06	Boulder Array	36.08	88	eP	P	06 50 13.3 +0.9
BW06	Boulder Array	36.08	88	P	P	06 50 13.6 +1.2
PD31	Pinedale Array	36.08	88	eP	P	06 50 13.9 +1.5
PDAR	Pinedale Array	36.08	88	P	P	06 50 13.5 +1.1
TMUT	Trail Mountain	37.44	94	eP	P	06 50 13.0 +0.6
P17A	Butcher Ranch,	37.58	93	eP	P	06 50 25.3 +1.3
P18A	Preston Nutter	37.76	93	eP	P	06 50 26.4 +1.4
K22A	Casper	37.88	86	eP	P	06 50 28.6 +1.2
K22A	Casper	37.88	86	P	P	06 50 28.1 +0.6
LCMT	Little Creek M	37.88	98	eP	P	06 50 29.5 +1.9
SRU	San Rafael Swe	37.95	93	eP	P	06 50 29.5 +1.9
PKCU	Pink Cliffs	38.10	97	eP	P	06 50 30.0 +1.9
RWWY	Rawlins	38.11	88	eP	P	06 50 31.4 +1.8
RSSD	Black Hills	38.35	82	P	P	06 50 30.7 +1.2
O20A	White River Ci	38.55	90	eP	P	06 50 34.5 +1.4
O20A	White River Ci	38.55	90	P	P	06 50 34.1 +0.9
MDND	Maddock	38.56	74	P	P	06 50 34.1 +1.2
U15A	North Rim	38.84	98	eP	P	06 50 37.2 +1.6
W13A	Hualapai Mount	38.91	101	eP	P	06 50 36.3 +0.1
PV09	Paradox Valley	39.16	93	eP	P	06 50 39.8 +1.4
ULM	Lac du Bonnet	39.19	69	P	P	06 50 38.7 +0.7
PV10	Paradox Valley	39.30	93	eP	P	06 50 40.6 +1.2
PV14	Lion Creek, Pa	39.31	93	eP	P	06 50 40.5 +0.9
PV22	Blue Mesa, Par	39.33	93	eP	P	06 50 41.4 +1.7
N23A	Red Feather La	39.35	88	P	P	06 50 40.6 +0.8
PV19	Morning Glory	39.38	93	eP	P	06 50 42.0 +1.9
PV17	East Wray Mesa	39.41	93	eP	P	06 50 41.7 +1.3
PV18	Skein Mesa, Pa	39.47	93	eP	P	06 50 42.1 +1.3
PV05	Paradox Valley	39.47	93	eP	P	06 50 42.3 +1.4
PV03	Paradox Valley	39.49	93	eP	P	06 50 42.2 +1.2
PV13	Radium Mtn., P	39.58	93	eP	P	06 50 42.9 +1.2
PV02	Paradox Valley	39.59	93	eP	P	06 50 43.2 +1.4
WUJZ	Wupatki	40.01	98	P	P	06 50 46.2 +1.0
A33A	Warroad	40.20	70	P	P	06 50 47.1 +0.6
MVCO	Mesa Verde	40.42	94	eP	P	06 50 49.1 +0.4
MVCO	Mesa Verde	40.42	94	P	P	06 50 49.3 +0.6
C33A	Trail	40.70	72	P	P	06 50 51.0 +0.4
X16A	Lo Mia Camp, P	40.77	99	eP	P	06 50 53.8 +2.3
SDCO	Great Sand Dun	41.75	91	eP	P	06 51 00.9 +1.4

SDCO	Great Sand Dun	41.75	91	P	P	06 51 00.2 +0.6
214A	Organ Pipe Nat	41.84	103	P	P	06 51 00.8 +0.6
KSCO	Kay Shedlock	42.50	87	P	P	06 51 06.2 +0.7
H11N2	WAKE ISLAND Hy	42.51	225	T	T	07 36 00.2
H11N3	WAKE ISLAND Hy	42.52	225	T	T	07 35 32.0
H11N1	WAKE ISLAND Hy	42.53	225	T	T	07 36 10.0
TUC	Tucson	42.70	101	P	P	06 51 08.1 +1.0
ECSD	EROS Data Cent	42.74	77	P	P	06 51 07.2 0.0
T25A	Trinidad	42.79	90	eP	P	06 51 09.4 +1.5
T25A	Trinidad	42.79	90	P	P	06 51 08.6 +0.7
EYMN	Ely	42.87	69	P	P	06 51 08.5 +0.3
H35A	Sunnyside Ranc	43.10	75	P	P	06 51 10.4 +0.3
TASM	ASL Pad, Albuq	43.19	94	P	P	06 51 11.5 +0.4
ANMO	Albuquerque	43.19	94	P	P	06 51 12.0 +0.8
ANMO	Albuquerque	43.19	94	eP	P	06 51 12.9 +1.7
ANMO	Albuquerque	43.19	94	P	P	06 51 11.4 +0.2
TASL	Snake Pit, Alb	43.19	94	P	P	06 51 11.2 0.0
BGNE	Belgrade	43.41	81	eP	P	06 51 13.7 +1.0
F37A	Hinrichs Farm,	43.65	72	P	P	06 51 14.6 +0.1
E38A	The Farm, Brul	43.67	71	P	P	06 51 14.6 0.0
H36A	Jessenland, He	43.68	75	P	P	06 51 15.0 +0.3
H11S1	WAKE ISLAND Hy	43.70	224	T	T	07 37 43.8
H11S2	WAKE ISLAND Hy	43.71	224	T	T	07 37 39.1
H11S3	WAKE ISLAND Hy	43.71	224	T	T	07 37 33.3
MJAR	Matsushiro Arr	43.75	270	P	P	06 51 14.0 -1.4
SPMN	Marine on St.	43.88	73	P	P	06 51 16.3 0.0
F38A	Pierce - Schro	43.91	72	P	P	06 51 16.9 +0.4
121A	Cookes Peak, D	44.21	98	P	P	06 51 19.9 +0.6
H37A	Dierke Farm, C	44.23	74	P	P	06 51 19.6 +0.5
J36A	Wesley, I, Swea	44.26	76	eP	P	06 51 15.8 -3.6
I37A	Lemond, Waseca	44.33	75	P	P	06 51 20.5 +0.6
G38A	Ridgeland	44.43	73	P	P	06 51 20.8 +0.2
H38A	Maiden Rock	44.51	73	P	P	06 51 21.8 +0.4
E40A	Wakefield	44.66	70	P	P	06 51 22.8 +0.3
J37A	Redenius Farm,	44.71	76	P	P	06 51 23.2 +0.3
G39A	Holcombe	44.72	72	P	P	06 51 23.3 +0.3
I38A	Scanlan Farm,	44.90	74	P	P	06 51 24.5 +0.1
D41A	Chassel	44.98	68	P	P	06 51 25.3 +0.3
K37A	Belmond	45.02	76	P	P	06 51 25.8 +0.4
H39A	Augusta	45.05	73	P	P	06 51 26.1 +0.5
M36A	Felix, Anita	45.25	79	P	P	06 51 27.4 +0.2
G40A	Rib Lake	45.26	71	P	P	06 51 27.5 +0.3
J38A	Wedel Dairy, R	45.29	75	P	P	06 51 27.8 +0.3
L37A	Phoenix Point,	45.38	77	P	P	06 51 28.6 +0.4
NRIK	Noril'sk	45.46	332	P	P	06 51 27.7 -0.8
I39A	Houston	45.46	74	P	P	06 51 29.3 +0.5
F41A	Three Lakes	45.54	70	P	P	06 51 29.9 +0.5
H40A	Chillico	45.57	72	P	P	06 51 30.1 +0.4
K38A	Parkersburg	45.58	76	P	P	06 51 29.7 -0.1
M37A	Trindle Farm,	45.70	78	P	P	06 51 31.1 +0.4
J39A	Decorah	45.70	74	P	P	06 51 30.6 -0.2
E42A	Champion	45.72	69	P	P	06 51 31.4 +0.5
L38A	Oak Wood Farm,	45.81	77	P	P	06 51 31.4 -0.2
KSU1	Kansas State U	45.84	82	P	P	06 51 31.6 -0.3
I40A	Norwalk	45.93	73	P	P	06 51 32.5 0.0
AMTX	Amarillo	45.95	90	P	P	06 51 33.4 +0.6
K39A	Oelwein	46.02	75	P	P	06 51 33.2 -0.1
F42A	Maple Grove Fa	46.04	70	P	P	06 51 33.5 +0.1
N37A	Lee Faris, Mou	46.05	79	eP	P	06 51 34.4 +0.9
N37A	Lee Faris, Mou	46.05	79	P	P	06 51 34.0 +0.5
M38A	Pleasantville	46.16	77	P	P	06 51 34.3 -0.1
MNTX	Cornudas Mount	46.19	97	eP	P	06 51 36.5 +1.8
MNTX	Cornudas Mount	46.19	97	P	P	06 51 35.8 +1.1
J40A	Soldiers Grove	46.19	74	P	P	06 51 34.0 -0.5
G42A	Mountain	46.22	70	P	P	06 51 35.0 +0.2
I41A	Arkdale	46.22	72	eP	P	06 51 35.5 +0.7
I41A	Arkdale	46.22	72	P	P	06 51 35.2 +0.4
E43A	Lone Tree Farm	46.24	68	P	P	06 51 35.4 +0.5
F43A	Flat Rock, Esc	46.51	69	P	P	06 51 36.6 -0.3
N38A	Joes South For	46.57	78	P	P	06 51 38.0 +0.5
J41A	Loganville	46.61	73	P	P	06 51 38.0 +0.2
G43A	Wallace	46.61	70	P	P	06 51 38.0 +0.2
M39A	Webster	46.69	77	P	P	06 51 38.3 -0.2
P37A	Lathrop	46.77	80	P	P	06 51 39.2 0.0
JFWS	Jewell Farm	46.78	74	P	P	06 51 39.2 +0.1
L40A	Anamosa	46.82	75	P	P	06 51 39.8 +0.3
I42A	Draeger Farm,	46.85	72	P	P	06 51 39.6 -0.1
N39A	Derby Farms, D	46.92	78	P	P	06 51 40.1 -0.2
K41A	Shullsburg	46.95	74	P	P	06 51 40.3 -0.3
H43A	Windswept, Lux	47.08	71	P	P	06 51 41.5 0.0
M40A	Post Highland	47.10	76	P	P	06 51 41.3 -0.4
J42A	Columbus	47.12	73	P	P	06 51 41.5 -0.3
P38A	Dawn	47.20	80	eP	P	06 51 42.6 +0.1
P38A	Dawn	47.20	80	P	P	06 51 42.3 -0.1
L41A	Preston	47.21	75	P	P	06 51 42.2 -0.2

I43A	Langenfeld Bro	47.27	72	P	P	06 51 43.0 +0.1
K42A	Prairie Point,	47.36	73	P	P	06 51 43.9 +0.2
N40A	Mertquake, Sal	47.42	77	P	P	06 51 44.0 -0.1
Q38A	Cooks Store, C	47.62	80	P	P	06 51 45.4 -0.2
M41A	Milan	47.66	76	P	P	06 51 45.8 -0.1
SFJD	Kangerlussuaq	47.66	30	P	P	06 51 46.7 +1.1
WMOK	Wichita Mounta	47.70	88	eP	P	06 51 47.1 +0.7
WMOK	Wichita Mounta	47.70	88	P	P	06 51 46.9 +0.5
P39B	Salisbury	47.73	7			

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like HFS Hagfors, EKA Eskdalemuir, OBAN Oban, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like HFS Hagfors, EKA Eskdalemuir, OBAN Oban, etc.

IDX 26 06:49:26.2:1.3, 8:03S:160:00E, h0km, mb3.7/6, mb1 4.0/7, mb1mx3.7/52, mbtmp3.8/7, ML3.5/1, Error ellipse: s-maj=37.4km s-min=18.1km az=90.2, h33km, mb3.6/6, Error ellipse: s-maj=27.6km s-min=8.2km az=178.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like HNR Honiara, WRM Warramunga Arr, etc.

IDX 26 07:19:55.2:2.0, 1:23N:126:35E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.1/57, mbtmp3.2/3, Error ellipse: s-maj=169.6km s-min=25.3km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDX 26 07:26:24.8:1.1, 25:06S:69:07W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/48, mbtmp3.8/3, Error ellipse: s-maj=53.3km s-min=34.2km az=173.0

ISL 26 06:49:29.4:0.9, 7:95S:160:11E, 0:2, h33km, mb3.6/6, Error ellipse: s-maj=27.6km s-min=8.2km az=178.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like ANCH Antofagasta, PB10 IPOC Station P, etc.

ISL 26 07:26:42.0:0.6, 24:28S:69:09W, h115km, 31km, ML3.6, h109km, 10km, n28, r116/34, mb3.7/3, 3C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like ANCH Antofagasta, PB10 IPOC Station P, etc.

ISK 26 07:37:15.6, 38:91N:40:52E, h5km, ML2.4/5, DDA 26 07:37:16.9, 38:96N:40:53E, h7km, ML2.6

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like BGOL Bingol, BINGOL BINGOL, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like PTK Pertek, ERZAN Erzincan, SVAN Silvan-Diyarba, etc.

IDC 26 07:37:35.3:2.9, 22:89S:175:84W, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.8/51, mbtmp3.9/6, MS3.5/17, MS1 3.5/17, ms1mx3.2/46, Error ellipse: s-maj=193.7km s-min=21.5km az=157.0, Tonga Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like PPT Papeete, ASAR Alice Springs, WRA Warramunga Arr, etc.

RSNC 26 08:00:30.0:1.0, 6:82N:73:15W, h145km, 5km, ML3.0, MW3.5, 2C, Northern Colombia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like BARC Barichara, BARRC Barranca, PAMC Pamplona, etc.

DDA 26 08:16:24.1, 37:76N:26:75E, h7km, M2.8, ISL 26 08:16:25.3:0.5, 37:78N:0:02:26:80E:0.04, h7km, 4km, Error ellipse: s-maj=5.4km s-min=3.6km az=167.5

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, Mode, and other technical details. Includes stations like BGOL Bingol, BINGOL BINGOL, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include BODT Bodrum, CHOS Chios island, AMGA comp=N,573um,0.4s, DAT Datca, etc.

GUC 26 08:35:01.6-1.27.70S:70.87W, h64km, 8km, ML3.9
SJA 26 08:35:02.0-2.0.27.81S:71.14W, h68km, 12km, ML3.3, MW3.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include CDCH Caldera, CPCH Copiapo, G003 Copiapo, VACH Vallenar, etc.

IDC 26 08:35:17.6-3.3, 23.50N-142.79E, h0km, mb3.7/5,
mb1 3.8/5, mb1mx3.4/67, mbtmp3.7/5, Error ellipse:
s-maj=138.9km s-min=26.6km az=77.0, Volcano Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.

IDC 26 08:40:27.1-2.1, 22.95S-171.26E, h0km, mb3.7/4,
mb1 3.8/5, mb1mx3.6/45, mbtmp3.7/5, ML3.3/4.1, Error
ellipse: s-maj=62.1km s-min=30.1km az=24.0,
Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, ASAR Alice Springs, WRA Warramunga Arr, etc.

ISK 26 08:50:34.7-0.3, 37.14N-42.63E, h0km, ML2.6
ISK 26 08:50:34.3, 37.28N-42.51E, h5km, ML2.6/4, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include SIRT Sirkak, CUKT Cukurca, GURO Guromayak-BITLI, etc.

IDC 26 09:19:26.2-1.0, 9.91S-116.74E, h0km, mb4.0/6,
mb1 4.1/9, mb1mx3.8/61, mbtmp3.4/9, ML3.9/3, MS3.4/4,
Ms1 3.4/4, ms1mx2.8/62, Error ellipse: s-maj=30.3km
s-min=18.7km az=66.0

ISCJB 26 09:19:28.9-0.4, 10.09S:107.04:116.86E:0.04, h25km,
mb4.2/12, MS3.5/3, Error ellipse: s-maj=6.9km
s-min=4.0km az=35.1

NEIC 26 09:19:32.3-1.0, 10.03S:116.84E, h41km, 12km, mb4.2/10,
Error ellipse: s-maj=14.4km s-min=7.3km az=224.0
DJA 26 09:19:32.4-0.4, 10.15S:117.7E, h10km, M4.4/14,
m24.4/11, mb4.5/3, ML4.3/14, MW10/25.5/1

ISC 26 09:19:29.4-0.6, 10.17S:106.116.85E:0.05, h25km, n44,
c286/46, mb4.3/12, MS3.2/3, South of Sumbawa

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include TWSI Taliwang, Sumb, PLAI Plampang, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include GMJI Gumukmas, BLJI Banyuglugur, EDFF Ede, Flores, etc.

ISCJB 26 09:24:38.8-0.6, 37.28N:0.03:28.22E:0.04, h0km, Error
ellipse: s-maj=5.4km s-min=3.4km az=39.0
DDA 26 09:24:39.0, 37.24N:28.15E, h7km, Md2.7, Suspected
Mining explosion

ISK 26 09:24:38.1, 37.24N:28.21E, h16km, ML1.9/7
ISC 26 09:24:36.6-1.1, 37.37N:0.06:28.25E:0.04, h0km, n14,
c068/20, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include YER Yerkesik, MLBS Milas, AYDN Tasuluk, etc.

IDC 26 09:27:02.8-2.4, 6.41S:129.55E, h0km, mb3.2/1,
mb1 3.7/4, mb1mx3.4/56, mbtmp3.5/4, ML3.5/3, Error
ellipse: s-maj=113.8km s-min=28.7km az=76.0, Banda
Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

AZER 26 09:36:50.8-0.0, 38.28N:46.58E, h9km, m4.0/24, Error
ellipse: s-maj=4.8km s-min=1.0km az=25.0
TEH 26 09:36:52.9, 38.43N:46.66E, h4km, ML3.9
THR 26 09:36:53.4-0.3, 38.46N:46.66E, h14km, 6km, ML3.6

IDC 26 09:36:54.7-1.2, 38.56N:46.71E, h0km, mb3.7/7,
mb1 3.8/12, mb1mx3.6/69, mbtmp3.8/12, ML3.5/3, MS3.2/2,
Ms1 3.2/2, ms1mx2.5/68, Error ellipse: s-maj=21.0km
s-min=11.4km az=62.0

ISC 26 09:36:53.5-1.0, 38.49N:0.02:46.68E:0.02, h2km, 8km,
n73, c190/97, mb3.7/7, 11C-20D,
Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include IHRS Heris, IHSH Hashrud, ITBZ Tabriz, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ISHB Azarshahr, GRMI Germi, GRMI Germi, etc.

QZX Khinaliq, XNQ Sirt, ATGJ Altitaghaj, etc.

ATGJ Defolistskaro, AGRB Hanur-Agry, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include YER Yerkesik, MLBS Milas, AYDN Tasuluk, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

QZS Qazax, Azerbaj, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include TBGL Delisi, TBGL Delisi, TBGL Delisi, etc.

AZER 26 09:43:19.0-0.1, 38.26N:46.51E, h9km, m4.3/24, Error

26d 11h

Table of station data for the 26d 11h period, including station names like IRK, IRKUTSK, TALAYA, KABANSK, etc., and their associated coordinates and signal quality metrics.

2012 AUG

Main table of station data for August 2012, listing stations such as SONM, KNGR, YLYR, etc., with detailed signal quality and frequency information.

1186

Table of station data for the 1186 period, including stations like UESS, OPAM, UDBS, etc., and their signal quality metrics.

IDC 26 11:11:1.2:2.7, 7:50N, 125:73E, h0km, mb3.4/3, mb1 3.5/3, mb1mx3.2/5.8, mbtmp3.4/3, Error ellipse: s-maj=234.8km s-min=26.7km az=65.0, Mindanao

CASC 26 11:13:35.4, 1.6, 13:44N, 90:45W, h14km, 5km, MD4.0, ML4.2, mb4.2(NEIC)
ISCJB 26 11:13:37.0, 0.5, 13:47N, 0:04:90:36W, 0:04, h76km, 4km, mb4.1/74, Error ellipse: s-maj=7.4km s-min=4.4km az=43.4

NEIC 26 11:13:39.2, 0.9, 13:54N, 90:23W, h77km, 8km, mb4.2/65, MD4.3(SNET), Error ellipse: s-maj=10.9km s-min=7.1km az=215.0
NEIC 26 11:13:40.3, 1.4, 13:37N, 89:90W, h85km, 9km, mb3.6/12, mb1 3.8/14, mb1mx3.6/47, mbtmp3.9/14, MS3.2/11, Ms 1.3/2/11, ms1mx3.0/40, Error ellipse: s-maj=34.0km s-min=8.9km az=45.0

X50B	Fort Payne	21.24	11	P	P	11 18 19.1 +0.8
LP1G	La Paz	21.56 302	LR	LR	11 27 55.3	
W41B	Gary Wiffly, V	21.59 356	eP	P	11 18 22.9 +0.9	
W48A	Pulaski	21.71	8	P	P	11 18 24.4 +1.2
W47A	Westpoint	21.74	6	P	P	11 18 23.9 +0.2
X52A	Dahlonega	21.75	15	P	P	11 18 24.2 +0.4
W49A	Belvidere	21.78	9	P	P	11 18 24.5 +0.4
X53A	Estanollee	21.81	16	P	P	11 18 25.0 +0.6
SWET	Sewanee	21.93	10	eP	P	11 18 26.9 +1.2
W50A	Signal Mountai	22.02	11	eP	P	11 18 27.5 +0.7
W50A	Signal Mountai	22.02	11	ePcP	PcP	11 22 23.1 +0.4
W51A	Cleveland	22.09	12	P	P	11 18 27.0 +0.2
W51A	Cleveland	22.09	12	P	P	11 18 27.9 +0.5
V42A	Cord	22.17	358	P	P	11 18 28.0 -0.3
V41A	Mountainview	22.19	356	P	P	11 18 28.2 -0.3
V46A	Holladay	22.24	5	P	P	11 18 28.7 -0.3
V40A	Witts Springs	22.26	355	eP	P	11 18 29.7 +0.4
V40A	Witts Springs	22.26	355	P	P	11 18 29.5 +0.2
V48A	Smith Brothers	22.31	8	eP	P	11 18 30.4 +0.6
V48A	Smith Brothers	22.31	8	P	P	11 18 30.2 +0.3
V37A	Nunnelly	22.32	6	P	P	11 18 29.1 -0.8
V49A	Pettigrew	22.38	353	P	P	11 18 30.5 -0.1
WMOK	Wichita Mounta	22.42	342	eP	P	11 18 31.9 +0.9
WMOK	Wichita Mounta	22.42	342	P	P	11 18 31.5 +0.5
CPCT	Cooper Cave	22.42	13	eP	P	11 18 31.6 +0.6
V49A	McIlminville	22.47	10	P	P	11 18 31.5 0.0
V50A	Pikeville	22.52	11	P	P	11 18 32.7 +0.7
WVT	Waverly	22.59	5	eP	P	11 18 34.2 +1.5
WVT	Waverly	22.59	5	P	P	11 18 34.1 +1.3
MNTX	Cornudas Mount	22.71	325	eP	P	11 18 34.7 +0.6
MNTX	Cornudas Mount	22.71	325	P	P	11 18 34.1 0.0
PVMO	Portageville	22.77	1	eP	P	11 18 33.5 -1.1
TUL1	Leonard	22.78	349	eP	P	11 18 33.0 -1.8
TUL1	Leonard	22.78	349	P	P	11 18 34.2 -0.6
U46A	Springville	22.79	5	P	P	11 18 36.2 +1.4
TKL	Tuckaleechee C	22.79	14	P	P	11 18 34.9 0.0
TKL	Tuckaleechee C	22.79	14	eP	LR	11 28 08.4
TKL	Tuckaleechee C	22.79	14	eP	LR	11 18 35.3 +0.4
U40A	Yellville	22.81	355	P	P	11 18 35.5 +0.4
U47A	Clarksville	22.95	6	P	P	11 18 36.4 -0.1
KM5C	Kings Mountain	22.98	19	P	P	11 18 37.2 +0.4
V52A	Sevierville	23.01	14	eP	P	11 18 38.5 +1.4
V52A	Sevierville	23.01	14	P	P	11 18 36.6 -0.4
PARMO	Parma	23.01	1	eP	P	11 18 31.9 -5.2
V53A	Saluda	23.04	16	eP	P	11 18 40.2 +2.8
U48A	Cassie Pea, P	23.11	8	P	P	11 18 38.0 -0.1
PBMO	Poplar Bluff	23.12	360	eP	P	11 18 41.0 +2.8
U49A	Red Boiling Sp	23.22	9	P	P	11 18 39.0 -0.1
MSTX	Muleshoe	23.23	333	P	P	11 18 39.2 -0.2
U50A	Jamestown	23.29	11	P	P	11 18 40.1 +0.2
T42A	Van Buren	23.38	359	eP	P	11 18 42.6 +2.0
U51A	La Follette	23.43	13	P	P	11 18 41.2 +0.2
T47A	Sharon Grove	23.51	7	eP	P	11 18 41.3 -0.5
T47A	Sharon Grove	23.51	7	P	P	11 18 41.7 -0.1
T39A	Clever	23.52	354	P	P	11 18 42.1 +0.2
T38A	Diamond	23.64	352	P	P	11 18 43.3 +0.3
TZTN	Tazewell	23.69	14	eP	P	11 18 42.9 -0.6
T48A	Bowling Green	23.72	8	P	P	11 18 44.1 +0.4
ATAH	Atahualpa	23.75	149	LR	LR	11 26 18.2
U53A	Fall Branch	23.76	16	P	P	11 18 44.0 -0.1
T49A	Edmonton	23.84	10	eP	P	11 18 44.9 +0.1
T49A	Edmonton	23.84	10	P	P	11 18 44.4 -0.4
T50A	Nancy	23.88	11	P	P	11 18 45.5 +0.8
S43A	Fulton Ridge,	23.91	1	P	P	11 18 46.3 +0.9
T51A	Gray	24.00	13	P	P	11 18 46.5 +0.3
S40A	Lebanon	24.02	356	P	P	11 18 47.1 +0.7
S44A	Carbondale	24.05	2	P	P	11 18 47.0 +0.4
S39A	Bolivar	24.18	354	eP	P	11 18 48.3 +0.5
S39A	Bolivar	24.18	354	P	P	11 18 47.6 -0.2
S38A	Stockton	24.18	353	P	P	11 18 48.6 +0.8
USIN	University of	24.42	5	eP	P	11 18 51.2 +1.2
S49A	Springfield	24.55	10	P	P	11 18 51.1 -0.1
R42A	Luebbering	24.62	359	P	P	11 18 52.1 +0.2
R41A	Rosebud	24.65	358	P	P	11 18 52.1 0.0
R46A	Gibson Southern	24.68	5	P	P	11 18 52.4 +0.1
121A	Cookes Peak, D	24.70	323	P	P	11 18 53.9 +1.1
R38A	Fenwick Farm,	24.73	353	P	P	11 18 53.2 +0.3
S51A	Beattyville	24.73	13	eP	P	11 18 52.2 -0.6
R39A	Chumby, Stover	24.77	355	P	P	11 18 53.2 +0.1
WCI	Wyandotte Cave	24.83	8	eP	P	11 18 53.9 +0.1
WCI	Wyandotte Cave	24.83	8	P	P	11 18 54.2 +0.5
R47A	Woolly Knot Far	24.87	7	P	P	11 18 54.1 0.0
R49A	Shelbyville	25.06	10	P	P	11 18 55.7 -0.1
OL1L	Olney	25.15	4	eP	P	11 18 56.3 -0.4
Q43A	New Douglas	25.29	1	P	P	11 18 59.5 +1.6

Q45A	Warren Harvey,	25.31	4	P	P	11 18 58.9 +0.8
PCRV	Puerto La Cruz	25.40	95	P	P	11 18 58.4 -0.8
Q38A	Cooks Store, C	25.46	354	P	P	11 19 00.3 +0.8
Q47A	Bedord North L	25.52	7	P	P	11 18 59.9 0.0
ANMO	Albuquerque	25.79	328	P	P	11 19 03.9 +1.2
ANMO	Albuquerque	25.79	328	LR	LR	11 29 54.5
KSU1	Kansas State U	26.03	349	P	P	11 19 05.6 +0.9
K39A	Oelwein	29.07	358	P	P	11 19 30.8 -0.9
PV18	Stein Mesa, P	29.59	330	eP	P	11 19 38.3 +1.6
PV12	Saucer Basin,	29.59	330	eP	P	11 19 39.1 +2.3
BINY	Binghamton	31.14	21	eP	P	11 19 48.5 -1.6
MTPU	Mount Pierson	31.15	325	eP	P	11 19 52.7 +2.0
G42A	Mountain	31.62	3	eP	P	11 19 53.7 -0.6
SPMN	Marine on St.	31.63	357	eP	P	11 19 53.1 -1.2
SPMN	Marine on St.	31.63	357	P	P	11 19 53.1 -1.2
G39A	Holcombe	31.63	359	P	P	11 19 52.6 -1.7
G43A	Wallace	31.67	4	P	P	11 19 52.7 -2.0
TCRU	Three Creeks R	31.70	326	eP	P	11 19 56.1 +0.7
F43A	Flat Rock, Esc	32.28	4	P	P	11 19 58.7 -1.3
F38A	Pierce - Schro	32.32	358	P	P	11 19 58.7 -1.7
COWI	Conover	32.45	2	eP	P	11 20 06.0 -1.0
SADO	Sadova	32.54	15	eP	P	11 20 01.0 -1.3
E40A	Wakefield	32.78	1	P	P	11 20 03.6 -0.8
E43A	Lone Tree Farm	32.83	4	eP	P	11 20 03.4 -1.5
E43A	Lone Tree Farm	32.83	4	P	P	11 20 04.0 -0.9
E38A	The Farm, Brul	32.96	358	P	P	11 20 03.7 -2.2
PTGA	Pitanga	33.30	113	P	P	11 20 07.5 -1.8
PTGA	Pitanga	33.30	113	eP	P	11 20 09.7 +0.3
PDAR	Pinedale Array	33.49	334	P	P	11 20 11.1 +0.1
PDAR	Pinedale Array	33.49	334	PcP	PcP	11 22 50.5 -0.1
PDAR	Pinedale Array	33.49	334	LR	LR	11 35 24.9
BGU	Big Grassy Moun	33.69	328	eP	P	11 20 14.4 +1.8
CWC	Cottonwood Cre	33.70	317	P	P	11 20 12.7 0.0
YES	Yes!, Richgr	34.03	316	P	P	11 20 17.0 +1.6
REDW	Red Top Meadow	34.53	333	eP	P	11 20 21.1 +1.1
SNOW	W Snowing Moun	34.57	333	eP	P	11 20 21.5 +1.2
LOHW	Long Hollow	34.63	334	eP	P	11 20 21.7 +1.0
TPAW	Teton Pass	34.68	333	eP	P	11 20 21.7 +0.5
MOOW	Moose Ponds	34.80	334	eP	P	11 20 23.2 +1.0
NV11	Mini Array Sit	34.93	320	eP	P	11 20 25.6 +2.3
IMW	Indian Meadow	35.00	334	eP	P	11 20 25.2 +1.2
NV01	Mini Array Sit	35.02	320	eP	P	11 20 26.9 +2.7
NV01	Mini Array Sit	35.02	320	PcP	PcP	11 22 57.0 +2.0
NVAR	Mini Array Bea	35.02	320	P	P	11 20 26.5 +2.3
NVAR	Mini Array Bea	35.02	320	PcP	PcP	11 22 56.9 +1.8
NVAR	Mini Array Bea	35.02	320	LR	LR	11 35 23.2
MDPB	Devils Postpil	35.04	318	eP	P	11 20 27.5 +3.1
KVN	Kaiserwiler	35.27	321	eP	P	11 20 28.1 +1.7
KVN	Kaiserwiler	35.27	321	ePcP	PcP	11 22 58.2 +2.4
RYN	Ryan	35.27	320	eP	P	11 20 28.5 +2.2
A33A	Warroad	35.52	354	P	P	11 20 25.9 -2.1
BMN	Battle Mountai	35.63	324	eP	P	11 20 31.1 +1.7
YERR	Yerington	35.94	320	eP	P	11 20 34.1 +2.1
MCMT	McKenzie Canyo	36.57	333	eP	P	11 20 39.5 +2.1
ULM	Lac du Bonnet	36.86	354	P	P	11 20 37.3 -2.2
ULM	Lac du Bonnet	36.86	354	LR	LR	11 37 39.3
LPZA	La Paz	36.91	143	P	P	11 20 40.3 -0.7
BEKR	Beckworth	37.16	320	eP	P	11 20 44.5 +2.1
J08A	Circle Bar Ran	38.28	326	eP	P	11 20 53.0 +1.2
O03D	Paynes Creek	38.30	320	P	P	11 20 52.4 +0.4
O02D	Mt. Diablo Mer	38.86	319	P	P	11 20 56.8 +0.1
M04C	Macdoel	39.20	322	P	P	11 21 00.3 +0.8
N02D	Trinity Center	39.26	320	P	P	11 20 59.3 -0.6
F10A	Beach Ranch, E	39.47	330	eP	P	11 21 01.7 +0.1
M02C	Callahan	39.59	321	P	P	11 21 01.8 -0.9
YBH	Yreka Blue Hor	39.70	321	P	P	11 21 03.1 -0.4
YBH	Yreka Blue Hor	39.70	321	LR	LR	11 39 17.4
L04D	Klamath Falls	39.73	322	P	P	11 21 04.5 +0.5
KHMM	Horse Mountain	39.84	319	eP	P	11 21 06.4 +1.5
KHMM	Horse Mountain	39.84	319	ePcP	PcP	11 23 11.9 +2.2
P1NE	Pine Mountain	39.91	325	eP	P	11 21 06.2 +0.7
JCC	Jacoby Creek,	40.00	319	eP	P	11 21 08.2 +2.2
J04D	Umpqua Nationa	40.24	323	P	P	11 21 09.3 +1.1
I04A	Tendick Farm,	40.75	324	P	P	11 21 12.5 +0.3
KBO	Bosley Butte	40.90	321	eP	P	11 21 14.8 +1.3
NEW	Newport	41.10	333	LR	LR	11 39 57.0
H04A	Detroit Lake	41.27	325	eP	P	11 21 16.3 +0.6
J01D	Myrtle Point	41.26	322	P	P	11 21 17.0 +0.7
KEBM	Edson Butte	41.34	322	eP	P	11 21 18.7 +1.7
SCHO	Schefferville	45.10	19	LR	LR	11 42 42.2
YKA	Yellowknife Ar	51.83	346	P	P	11 22 37.8 -0.9
IL1	Eielson Array	63.87	337	P	P	11 24 03.2 +0.1
ILAR	Eielson Array	63.87	337	P	P	11 24 02.3 -0.7
RND	Reindeer	64.10	335	eP	P	11 24 04.2 -0.4
SKT	Skwentna	64.73	333	eP	P	11 24 08.8 0.0
EKA	Eskdalemur Ar	77.39	36	P	P	11 25 23.1 -2.3
ESDC	Sonsec Array	78.74	52	P	P	11 25 29.9 -3.4

ES19	SONSECA Array	78.79	52	eP	P	11 25 32.2 -1.3
CMAR	Chiang Mai Arr	146.89	344	PKPbc	PKPbc	11 33 13.2 -0.2
CM01	Chiang Mai Arr	146.92	344	ePKPbc	PKPbc	11 33 13.7 +0.2
ISCJB 26 11:22:20.5:0.3, 65:48S;0:04:180:0W:0.2, h10km, mb5.1/46, MS5.1/162, Error ellipse: s-maj=9.7km s-min=5.0km az=168.3						
IDC 26 11:22:20.4:0.5, 65:38S;179:70W, h0km, mb4.8/18, mb1.4/9.19, mb1mx4.7/34, mbtmp4.8/19, ML4.8/1, MS1.5/0.32, ms1mx4.9/37, Error ellipse: s-maj=20.5km s-min=12.0km az=63.0						
MOS 26 11:22:21.6: 1.9, 65:59S;179:98E, h10km, mb5.4/7, MS5.2/9, Error ellipse: s-maj=33.6km s-min=10.8km az=93.9						
BUJ 26 11						

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like MAW, PMSA, SYO, SNA, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like TAOE, TRQA, TARA, BATI, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other details. Includes stations like MTDJ, MNXX, CD2, etc.

26d 14h

Table with columns for call sign, name, frequency, and other details. Includes entries like CBYP Canovanas, SMRT St. Maarten, HUMP Col San Antoni, etc.

2012 AUG

Table with columns for call sign, name, frequency, and other details. Includes entries like 658A Bunnell, 957A Wimauma, ANIL Santa Ana, etc.

1192

Table with columns for call sign, name, frequency, and other details. Includes entries like ODNJ Ogdensburg, PAGES Pennsylvania G, W52A Murphy, etc.

X47A	Russellville	25.64 310	P	P	14 43 20.3 +1.3	O44A	Mansfield	29.18 320	P	P	14 43 53.5 +2.8	Q37A	Longview Farm,	32.38 313	P	P	14 44 17.7 -1.3
146A	Union	25.68 306	P	P	14 43 20.0 +0.9	M45A	Boilermakers S	29.25 323	P	P	14 43 53.1 +1.7	I41A	Arkdale	32.46 325	eP	P	14 44 20.0 +0.3
Q50A	Georgetown	25.69 323	P	P	14 43 22.0 +2.5	X40A	Basin Creek Fa	29.31 306	eP	P	14 43 51.5 -0.5	I41A	Arkdale	32.46 325	P	P	14 44 19.9 +0.3
S49A	Springfield	25.77 319	P	P	14 43 22.2 +2.0	X40A	Basin Creek Fa	29.31 306	P	P	14 43 55.4 +3.5	L39A	Vinton	32.49 320	P	P	14 44 20.0 0.0
U48A	Cassie Pea, Po	25.80 316	P	P	14 43 23.5 +3.0	S42A	Caledonia	29.33 314	P	P	14 43 51.6 -0.5	G42A	Mountain	32.50 328	P	P	14 44 21.1 +1.1
W47A	Westpoint	25.82 312	P	P	14 43 24.4 +3.7	V41A	Mountainview	29.34 309	P	P	14 43 51.8 -0.4	J40A	Soldiers Grove	32.52 323	P	P	14 44 20.7 +0.4
MMNV	Mt. Morris Dam	25.84 337	eP	P	14 43 21.3 +0.6	N44A	Piper City	29.38 321	P	P	14 43 54.8 +2.3	N38A	Joes South For	32.53 317	P	P	14 44 20.6 +0.3
ALLY	Alegheny Colle	25.84 332	eP	P	14 43 20.6 -0.2	U41A	Viola	29.42 311	P	P	14 43 53.1 +0.2	E43A	Lone Tree Farm	32.62 330	eP	P	14 44 21.4 +0.3
R49A	Shelbyville	26.02 320	P	P	14 43 26.2 +3.7	Y40A	Okolona	29.46 305	P	P	14 43 54.9 +1.6	P37A	Lathrop	32.65 314	eP	P	14 44 23.3 +1.9
PLAL	Pickwick Lake	26.03 311	eP	P	14 43 21.8 -0.8	P43A	Skaggs Pawnee	29.52 318	P	P	14 43 53.7 -0.1	H41A	Junction City	32.71 326	eP	P	14 44 21.8 -0.1
T48A	Bowling Green	26.05 317	P	P	14 43 26.7 +3.9	R42A	Luebbering	29.60 315	P	P	14 43 54.1 -0.4	H41A	Junction City	32.71 326	P	P	14 44 21.1 -0.7
Y46A	Houston	26.07 308	P	P	14 43 23.5 +0.6	T41A	Mountain View	29.64 312	P	P	14 43 54.8 -0.1	F42A	Maple Grove Fa	32.72 329	P	P	14 44 23.0 +1.0
V47A	Nunnelly	26.08 313	P	P	14 43 26.7 +3.6	W40A	Ferguson Farm,	29.77 308	P	P	14 43 58.3 +2.3	I40A	Norwalk	32.77 324	P	P	14 44 23.8 +1.4
P50A	Jamestown	26.11 324	P	P	14 43 27.6 +4.3	CCM	Cathedral Cave	29.78 314	P	P	14 43 55.2 -0.9	K39A	Olwein	32.77 321	P	P	14 44 20.1 -2.3
ACSO	Alum Creek Sta	26.12 326	eP	P	14 43 24.2 +0.8	NATX	Nacogdoches	29.82 300	P	P	14 43 55.1 -1.4	M38A	Pleasantville	32.84 318	P	P	14 44 23.4 +0.4
ACSO	Alum Creek Sta	26.12 326	P	P	14 43 25.1 +1.7	V40A	Witts Springs	29.84 309	P	P	14 43 55.1 -1.6	G41A	Antigo	32.87 327	P	P	14 44 24.4 +1.2
S48A	Wiedeman Farm,	26.17 318	P	P	14 43 28.3 +4.5	ATAH	Atahualpa	29.85 209	LR	LR	14 58 00.4	LNIG	Linares	32.88 286	eP	P	14 44 23.2 -0.4
X46A	Booneville	26.18 310	P	P	14 43 25.0 +1.0	S41A	Jilco Farms,	29.89 313	P	P	14 43 58.9 +1.8	J39A	Decorah	33.04 322	P	P	14 44 26.4 +1.6
U47A	Clarksville	26.25 315	P	P	14 43 27.1 +2.5	HDIL	Hopedale	29.93 320	P	P	14 43 59.2 +1.9	L38A	Dak Wood Farm,	33.09 319	P	P	14 44 26.0 +0.8
Q49A	Aurora	26.32 322	P	P	14 43 28.3 +3.0	R41A	Rosebud	30.00 314	P	P	14 43 58.7 +0.7	833A	Chaparral WMA,	33.11 292	P	P	14 44 22.5 -3.0
145A	Houston Renfro	26.33 305	P	P	14 43 28.6 +3.3	P42A	Winchester	30.01 317	eP	P	14 43 56.5 -1.7	H40A	Chillicothe	33.11 325	P	P	14 44 26.1 +0.7
O50A	Cable	26.40 325	P	P	14 43 28.1 +2.2	P42A	Winchester	30.01 317	P	P	14 43 59.2 +1.1	SCIA	State Center	33.12 319	P	P	14 44 27.1 +1.6
T47A	Sharon Grove	26.44 316	P	P	14 43 28.7 +2.4	N43A	Stutzman Famil	30.09 321	P	P	14 44 01.0 +2.2	N37A	Lee Faris, Mou	33.14 316	P	P	14 44 26.9 +1.3
WVT	Waverly	26.45 314	eP	P	14 43 26.8 +0.4	U40A	Yellville	30.10 310	P	P	14 44 00.6 +1.6	F41A	Three Lakes	33.19 328	eP	P	14 44 26.4 +0.3
WVT	Waverly	26.45 314	P	P	14 43 28.1 +1.7	L44A	Lake County Fo	30.15 324	P	P	14 44 00.8 +1.5	F41A	Three Lakes	33.19 328	P	P	14 44 27.4 +1.3
V46A	Holladay	26.48 313	P	P	14 43 28.8 +2.2	O42A	Bath	30.20 319	P	P	14 44 01.7 +1.9	I39A	Houston	33.25 323	eP	P	14 44 26.6 0.0
R48A	Northridge Ran	26.51 320	P	P	14 43 28.8 +1.9	Q41A	Truxton	30.24 316	P	P	14 44 00.6 +0.4	I39A	Houston	33.25 323	P	P	14 44 27.5 +0.9
P49A	Miami Univ. Ec	26.58 323	P	P	14 43 29.6 +2.1	M43A	Waltham Townsh	30.27 322	P	P	14 44 01.1 +0.8	K38A	Parkersburg	33.26 320	eP	P	14 44 26.5 -0.2
N50A	Nevada	26.60 327	P	P	14 43 29.1 +1.3	GLMI	Graying	30.36 331	eP	P	14 44 01.9 +0.8	K38A	Parkersburg	33.26 320	P	P	14 44 27.6 +0.9
CCIG	Comitan	26.61 268	eP	P	14 43 28.7 +0.5	GLMI	Graying	30.36 331	P	P	14 44 02.3 +1.2	G40A	Rib Lake	33.44 326	eP	P	14 44 28.7 +0.5
VBMS	Vicksburg	26.65 304	P	P	14 43 30.9 +2.7	S40A	Lebanon	30.42 312	P	P	14 44 01.3 -0.5	G40A	Rib Lake	33.44 326	P	P	14 44 29.7 +1.5
WCI	Wyandotte Cave	26.66 319	P	P	14 43 30.0 +1.7	V39A	Pettigrew	30.46 308	P	P	14 44 01.0 -1.3	COWI	Conover	33.46 328	eP	P	14 44 28.9 +0.5
X45A	UM Field Stati	26.71 309	P	P	14 43 30.7 +2.0	P41A	Barry, Barry	30.52 317	P	P	14 44 03.9 +1.2	J38A	Wedel Dairy, R	33.48 321	P	P	14 44 29.2 +0.6
244A	Avery, Jackson	26.71 303	P	P	14 43 29.2 +0.4	N42A	Yates City	30.54 320	P	P	14 44 02.4 -0.4	L37A	Phoenix Point,	33.57 319	P	P	14 44 30.3 +0.9
OXF	Oxford	26.76 309	eP	P	14 43 30.2 +1.0	U39A	Green Forest	30.57 309	P	P	14 44 02.7 -0.4	NNA	Nana	33.61 202	P	P	14 44 29.3 -0.7
OXF	Oxford	26.76 309	P	P	14 43 31.2 +2.0	L43A	Garden Prairie	30.62 323	P	P	14 44 05.9 +2.5	NNA	comp=Z,238nm,18.4s,baz=356,slow=40	LR	LR	14 59 57.9	
Q48A	North Vernon	26.77 321	P	P	14 43 31.9 +2.7	O41A	Passleys Farm,	30.65 318	P	P	14 44 04.3 +0.5	E41A	Kenton	33.63 329	P	P	14 44 30.0 +1.1
Q49A	Covington	26.82 325	P	P	14 43 31.1 +1.4	T39A	Clever	30.78 311	P	P	14 44 04.7 -0.3	H41A	Augusta	33.64 324	P	P	14 44 29.7 -0.3
R47A	Wooly Knot Far	26.85 319	P	P	14 43 33.9 +3.9	N41A	Harden Midland	30.97 319	eP	P	14 44 07.0 +0.4	N36A	Mutt Farm, Cla	33.66 316	P	P	14 44 32.7 +2.5
P48A	Mitroy	26.93 322	P	P	14 43 30.9 +0.2	N41A	Harden Midland	30.97 319	P	P	14 44 07.2 +0.6	JCT	Junction City	33.80 296	eP	P	14 44 30.7 -0.9
Z44A	Pea Ridge, Bel	26.99 306	P	P	14 43 32.3 +1.0	L42A	Oliver, Polo	31.04 322	eP	P	14 44 07.5 +0.3	JCT	Junction City	33.80 296	P	P	14 44 31.2 -0.4
T46A	Princeton	26.99 315	P	P	14 43 32.5 +1.2	L42A	Oliver, Polo	31.04 322	P	P	14 44 08.1 +1.0	I38A	Scanlan Farm,	33.83 323	P	P	14 44 31.7 +0.1
Q47A	Bedford North L	27.19 320	P	P	14 43 33.3 +0.3	P40A	Paris	31.09 316	P	P	14 44 08.5 +0.8	F40A	Park Falls	33.83 327	P	P	14 44 32.4 +0.8
S46A	Don Dixon Farm	27.24 317	P	P	14 43 36.4 +3.0	R39A	Chumby, Stover	31.14 313	P	P	14 44 08.6 +0.5	K37A	Belmond	33.86 320	P	P	14 44 33.4 +1.5
O48A	Farmland	27.32 324	P	P	14 43 35.0 +0.9	M41A	Milan	31.17 320	P	P	14 44 08.7 +0.3	D41A	Chassel	33.86 330	eP	P	14 44 32.9 +1.0
R46A	Gibson Southern	27.42 318	P	P	14 43 36.6 +1.6	J43A	Natural Harves	31.22 325	P	P	14 44 09.6 +0.8	D41A	Chassel	33.86 330	P	P	14 44 32.8 +1.0
P47A	Martinsville	27.45 321	P	P	14 43 35.8 +0.5	O40A	La Belle	31.29 317	P	P	14 44 10.0 +0.5	M36A	Felix, Anita	33.88 317	P	P	14 44 33.0 +0.9
Y43A	Makayla and Ka	27.46 307	P	P	14 43 37.0 0.0	K42A	Prairie Point,	31.34 323	P	P	14 44 09.3 -0.6	G39A	Holcombe	33.97 325	P	P	14 44 34.0 +1.2
S45A	Carrier Mills	27.80 316	P	P	14 43 41.8 +3.3	I43A	Langenfeld Bro	31.42 326	P	P	14 44 11.2 +0.7	WMOK	Wichita Mounta	33.99 304	eP	P	14 44 32.9 -0.3
O47A	Sheridan	27.88 323	P	P	14 43 40.3 +1.1	F45A	CMU Biological	31.42 331	P	P	14 44 12.0 +1.5	WMOK	Wichita Mounta	33.99 304	P	P	14 44 34.0 +0.8
242A	Grayson	27.89 302	P	P	14 43 41.9 +2.6	S38A	Stockton	31.43 311	P	P	14 44 09.8 -0.9	E40A	Wakefield	34.08 328	P	P	14 44 34.6 +0.9
142A	Monroe	27.89 303	P	P	14 43 41.8 +2.5	T38A	Diamond	31.44 310	P	P	14 44 11.3 +0.5	J37A	Redenius Farm,	34.11 321	P	P	14 44 33.3 -0.8
L49A	Milan	27.90 328	P	P	14 43 40.9 +1.5	N40A	Mertquake, Sal	31.53 318	P	P	14 44 12.0 +0.5	ABTX	Abilene, Hawle	34.12 300	eP	P	14 44 34.1 -0.2
M48A	Edgerton	27.94 326	P	P	14 43 40.4 +0.8	P39B	Salisbury	31.53 315	P	P	14 44 13.2 +1.6	ABTX	Abilene, Hawle	34.12 300	P	P	14 44 34.0 -0.3
R45A	Skyilar, Fairfri	27.95 317	P	P	14 43 42.5 +2.6	L41A	Preston	31.57 321	P	P	14 44 12.5 +0.7	L36A	Harm Buss Farm	34.13 318	P	P	14 44 35.1 +0.8
AAM	Ann Arbor	27.99 329	P	P	14 43 38.6 -1.5	J42A	Columbus	31.57 324	P	P	14 44 12.3 +0.4	H38A	Maiden Rock	34.19 324	P	P	14 44 36.1 +1.4
AAM	Ann Arbor	27.99 329	P	P	14 43 40.2 +1.8	H43A	Windswept, Lux	31.63 327	eP	P	14 44 12.4 0.0	F39A	Loretta	34.24 326	P	P	14 44 36.5 +1.3
SADO	Sadown	28.04 337	LR	LR	14 55 18.7	H43A	Windswept, Lux	31.63 327	P	P	14 44 13.2 +0.9	G38A	Ridgeland	34.26 325	P	P	14 44 36.9 +1.5
P46A	Rosedale	28.09 320	P	P	14 43 42.1 +1.1	R38A	Fenwick Farm,	31.68 312	P	P	14 44 12.6 -0.3	K36A	Gilmore City	34.28 319	P	P	14 44 36.5 +0.9
L48A	N Adams	28.12 327	P	P	14 43 42.4 +1.1	K41A	Shullsburg	31.78 322	P	P	14 44 14.5 +0.8	E39A	Mellen	34.37 327	P	P	14 44 37.2 +1.0
Q45A	Warren Harvey,	28.23 318	P	P	14 43 39.7 -2.6	M40A	Post Highland	31.78 319	P	P	14 44 14.8 +1.1	I37A	Lemond, Waseca				

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like ECSD EROS Data Cent, AMTX Amarillo, TXAR Lajitas Array, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like AHID Auburn Hatcher, MOOW Moose Ponds, HWUT Hardware Ranch, etc.

Table with columns: Station Name, Frequency, Band, Power, Azimuth, Elevation, and other parameters. Includes stations like ES19 SONSECA Array, EKA Eskdalemuir Ar, TIC Toudi, etc.

ISCJB 26 14:42:27.2 1.4, 35:14S:0'10.179:3E:0'2, h250km, mb3.7/5, Error ellipse: s-maj=28.7km s-min=10.7km

IDC 26 14:42:27.8 3.2, 35:17S:179:38E, h243km, 34km, mb3.6/5, mb1 3.9/7, mb1mx3.4/46, mbtmp4.2/7, Error ellipse: s-maj=46.6km s-min=24.7km az=0.0

ISC 26 14:42:28.3 1.3, 35:35S:0'10.179:3E:0'2, h250km, n9, o1503/11, mb3/5, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Elevation, Power, and other parameters. Includes stations like URZ Urewera, RPZ Rata Peaks, etc.

ISK 26 15:00:34.7, 36:17N:34:61E, h30km, ML2, 0/8 DDA 26 15:00:34.3, 36:20N:34:65E, h8km, ML2, 6 ISC 26 15:00:34.8-1.3, 36:15N:0.05:34:54E:0.03, h23km:16km, n15, o055/20, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KIZK Mersin, SILLI Silifke-Mersin, EREN Erenkoy, etc.

MOS 26 15:05:33.2±1.0, 2.20N, 126.85E, h66km, mb6.5/90, MS5.9/33, Error ellipse: s-maj=6.8km s-min=4.0km az=115.1

IDC 26 15:05:35.1±0.7, 2.19N, 126.83E, h70km, mb6.5/754, mb1.5/759, mb1mx5.6/60, mbmp6.0/59, MS5.7/44, Ms1.5/744, ms1mx5.7/58, Error ellipse: s-maj=8.5km s-min=6.1km az=62.0

NEIC 26 15:05:35.0±0.0, 2.13N, 126.87E, h100km, Moment Tensor Solution. s36 Moment tensor: Scale 1018Nm; Mw=2.0; Mw3.88; Mw4.08; Mw4.97; Mw2.83; Mw1.0.71; Best double couple: M9.1000x1019 NP1.3x2.00000; s62.00000; s36.00000; NP2.203.00000; s55.00000; s147.00000. Principal axes: T 9.3700, Plg44.0000, Azm168.0000; N -0.6400, Plg45.0000, Azm344.0000; P -8.7300, Plg2.0000, Azm76.0000;

ISCJB 26 15:05:35.9±0.2, 2.21N, 0.01x126.86E±0.01, h91km±1km, mb6.0/359 Error ellipse: s-maj=2.1km s-min=1.7km az=161.4

BUI 26 15:05:36.4, 2.24N, 126.83E, h94km, mb6.0/74, mb6.4/72 NEIC 26 15:05:37.1±0.4, 2.19N, 126.84E, h91km, mb6.3/225, ME6.8, MW6.5, MW6.6, MW6.6, Error ellipse: s-maj=2.8km s-min=2.4km az=56.0, Moment Tensor Solution. s32 Moment tensor: Scale 1018Nm; Mw=4.7; Mw=35; Mw=5.82; Mw=2.68; Mw=12; Mw=0.23; Best double couple: M6.30000x1018 NP1.3x1.93.00000; s51.00000; s133.00000; NP2.3x1.37.00000; s56.00000; s150.00000;

Principal axes: T 6.1400, Plg58.0000, Azm168.0000; N 0.2800, Plg32.0000, Azm342.0000; P -6.4300, Plg3.0000, Azm74.0000; Broadband fault plane solution: P waves. NP1.3x1.34.00000; s63.00000, s28.00000; NP2.2x2.10.00000; s65.00000; s150.00000; Principal axes: T Plg38.0000, Azm171.0000; N Plg0.0000, Azm0.0000; P Plg1.0000, Azm262.0000; Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC Felt [V] in parts of northern Halmahera; [IV] in the Kepulauan Talaud, on Pulau Ternate and at Galea, Jalioto, Morotai and Tobelo; [III] at Manado, Indonesia. Also felt at Bitung, Felt [IV PIVS] at Davao, [III PIVS] at General Santos and [II PIVS] at Koronadal, Polomolok and Tupi, Mindanao, Philippines. Also felt at Maguogo, Maitum, Paraiso and Zamboanga City.

DJA 26 15:05:38.1±0.2, 2.1N, 127.7E, h94km±2km, M6.6/114, mb6.3/114, mb6.8/113, MLV8.1/13, MLV8.9/19, Mw(B)6.6/113, Mw(B)6.4/74

GCMT 26 15:05:40.1±0.1, 2.16N, 126.81E, h91km, MW6.6/150, Moment Tensor Solution. s150c383; s147c656; Duration: 47 Moment tensor: Scale 1019Nm; Mw=0.33±0.00; Mw=0.49±0.00; Mw=0.82±0.00; Mw=1.51±0.00; Mw=1.92±0.00; Mw=0.07±0.00; Best double couple: M0.90300x1019 NP1.3x1.35.00000; s63.00000; s31.00000; NP2.2x2.10.00000; s63.00000; s150.00000; Principal axes: T 0.9530, Plg40.0000, Azm172.0000; N -0.1000, Plg50.0000, Azm352.0000; P -0.8530, Plg0.0000, Azm82.0000; nst1 refers to body waves, cutoff=50s. nst2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

NEIC 26 15:05:54.0±0.2, 2.20N, 126.92E, h74km, Moment Tensor Solution. s110 Moment tensor: Scale 1019Nm; Mw=4.54; Mw=4.27; Mw=8.81; Mw=4.91; Mw=1.93; Mw=1.23; Best double couple: M9.30000x1018 NP1.3x2.00000; s62.00000; s143.00000; NP2.3x1.37.00000; s58.00000; s134.00000. Principal axes: T 9.5900, Plg45.0000, Azm170.0000; N -0.4700, Plg45.0000, Azm355.0000; P -9.1100, Plg2.0000, Azm263.0000;

ISC 26 15:05:37.2±0.2, 2.20N, 0.02x126.87E±0.02, h91km±1km, h91km; pp-P, n2190, s1973/2609, mb6.2/365, 113C-52D

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNTI Ternate, SGTI Sangihe, LBMI Labuha, KMSI Cibinong, etc.

Main table with columns: CGP, Station Name, Time, Res. Includes stations like Cagayan de Oro, Pagadian, Zamboanga City, Butuan, Mapaga, etc.

Main table with columns: Station Name, Time, Res. Includes stations like NGJI Ngawi, PWJI Pagerwojo, PCJI Pacitan, SMRI Semarang, SMRI Semarang, UGM Wanagama, UGM Wanagama, FITZ Fitzroy Crossi, etc.

26d 15h

Table with columns: JOW, Kunigami, 24.53 3 P, P, 15 10 48.5 +0.1, etc. Lists various locations and their associated data points.

2012 AUG

Table with columns: NJ2, NJ2, comp=Z,100nm,0.8s, sS, pmax, 15 17 15.8 +1.2, etc. Lists various locations and their associated data points.

1196

Table with columns: INCN, Incheon, 35.11 360 eP, P, 15 12 21.5 -0.4, etc. Lists various locations and their associated data points.

26d 15h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KMBO, YURE, KMBQ, DAWY, etc.

2012 AUG

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDUB, KEFZ, BTAS, SAHE, AKASO, etc.

1200

Table with columns for station name, frequency, power, and other technical details. Includes stations like TAVA, DREN, GRER, PRER, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like BEL, NVR, MMB, RKT, OUR, CRVS, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like KSP, LBTB, PGC, BOS, MODS, etc.

Table with columns for station call letters, name, frequency, and other details. Includes stations like CLL, Colim, SUE, BLS, etc.

Table with columns: RETA, comp-Z, 12nm, 1.3s, eS, SKSac, 15 30 10.2 +0.5, etc. Lists various astronomical objects and their properties.

Table with columns: K22A, Casper, 114.45 41 P, PKPdf, 15 24 07.3 +0.2, etc. Lists astronomical objects with detailed coordinates and classifications.

Table with columns: PESTR, Estremoz, 121.50 319 ePKPdf, PKPdf, 15 24 22.8 +2.2, etc. Lists astronomical objects, including some with multiple names and classifications.

1203

WMOK	Wichita Mounta	123.62	45	ePKIKP	PKPdf	15 24 24.3	-0.5
WMOK	Wichita Mounta	123.62	45	P	PKPdf	15 24 25.2	+0.4
G43A	Wallace	123.66	29	ePKPdf	PKPdf	15 24 24.4	-0.1
G43A	Wallace	123.66	29	P	PKPdf	15 24 24.7	+0.1
K40A	Colesburg	123.69	33	P	PKPdf	15 24 24.2	-0.4
F44A	Big Bay de Noc	123.72	27	P	PKPdf	15 24 24.9	+0.3
N38A	Joey South For	123.75	36	P	PKPdf	15 24 24.5	-0.3
H42A	Shiocton	123.79	30	ePKPdf	PKPdf	15 24 23.8	-1.0
H42A	Shiocton	123.79	30	P	PKPdf	15 24 24.6	-0.2
P37A	Lathrop	123.82	38	P	PKPdf	15 24 24.7	-0.3
J41A	Loganville	123.84	32	P	PKPdf	15 24 24.2	-0.7
M39A	Webster	123.92	35	P	PKPdf	15 24 25.0	-0.2
E45A	Wooded Hills	124.00	26	P	PKPdf	15 24 25.6	+0.5
JFWS	Jewell Farm	124.02	32	ePKPdf	PKPdf	15 24 24.5	-0.8
JFWS	Jewell Farm	124.02	32	ePKIKP	PKPdf	15 24 24.5	-0.8
JFWS	Jewell Farm	124.02	32	P	PKPdf	15 24 24.8	-0.5
O38A	Galt	124.03	37	P	PKPdf	15 24 25.3	0.0
I42A	Draeger Farm,	124.04	31	ePKPdf	PKPdf	15 24 24.5	-0.8
I42A	Draeger Farm,	124.04	31	P	PKPdf	15 24 25.0	-0.3
ABTX	Ablene, Hawle	124.05	48	ePKPdf	PKPdf	15 24 25.2	-0.5
ABTX	Ablene, Hawle	124.05	48	P	PKPdf	15 24 26.4	+0.7
L40A	Anamosa	124.07	34	ePKPdf	PKPdf	15 24 24.6	-0.8
L40A	Anamosa	124.07	34	P	PKPdf	15 24 25.0	-0.4
MAT0	Matagami	124.10	19	P	PKPdf	15 24 25.4	+0.2
N39A	Derby Farms, D	124.12	36	ePKPdf	PKPdf	15 24 24.5	-1.0
N39A	Derby Farms, D	124.12	36	P	PKPdf	15 24 25.2	-0.3
O37A	Longview Farm,	124.19	39	P	PKPdf	15 24 25.6	-0.1
H43A	Windswept, Lux	124.20	29	ePKPdf	PKPdf	15 24 24.1	-1.5
H43A	Windswept, Lux	124.20	29	P	PKPdf	15 24 25.4	-0.1
K41A	Shullsburg	124.20	33	P	PKPdf	15 24 25.5	-0.2
P38A	Dawn	124.30	37	ePKPdf	PKPdf	15 24 24.0	-2.0
P38A	Dawn	124.30	37	P	PKPdf	15 24 26.2	+0.3
J42A	Columbus	124.34	31	P	PKPdf	15 24 25.7	-0.2
M40A	Post Highland	124.34	34	P	PKPdf	15 24 26.0	0.0
F45A	CMU Biological	124.36	27	P	PKPdf	15 24 26.3	+0.4
I43A	Langenfeld Bro	124.43	30	P	PKPdf	15 24 26.1	0.0
L41A	Preston	124.46	33	P	PKPdf	15 24 25.9	-0.2
O39A	Kirksville	124.49	36	P	PKPdf	15 24 26.4	+0.1
K42A	Prairie Point,	124.60	32	P	PKPdf	15 24 26.0	-0.4
F46A	Macinaw City C	124.63	26	P	PKPdf	15 24 26.8	+0.5
N40A	Mertquake, Sal	124.64	35	P	PKPdf	15 24 26.5	0.0
J43A	Natural Harves	124.66	31	P	PKPdf	15 24 26.2	-0.3
Q38A	Cooks Store, C	124.66	38	P	PKPdf	15 24 26.5	-0.1
P39B	Salisbury	124.86	37	P	PKPdf	15 24 27.2	+0.2
M41A	Milan	124.91	34	P	PKPdf	15 24 26.7	-0.3
L40Q	Lebel-sur-Quev	124.92	19	P	PKPdf	15 24 27.1	+0.2
JCT	Junction City	124.94	50	ePKPdf	PKPdf	15 24 26.4	-1.1
JCT	Junction City	124.94	50	ePKIKP	PKPdf	15 24 26.4	-1.1
JCT	Junction City	124.94	50	P	PKPdf	15 24 28.0	+0.5
R38A	Fenwick Farm,	124.95	39	P	PKPdf	15 24 26.8	-0.4
L42A	Oliver, Polo	124.96	33	ePKPdf	PKPdf	15 24 26.2	-0.9
L42A	Oliver, Polo	124.96	33	P	PKPdf	15 24 26.9	-0.3
O40A	La Belle	124.97	36	P	PKPdf	15 24 27.4	+0.2
Q39A	Willow Grove F	125.00	38	P	PKPdf	15 24 27.4	+0.1
TUL1	Leonard	125.05	42	ePKPdf	PKPdf	15 24 27.2	-0.3
TUL1	Leonard	125.05	42	P	PKPdf	15 24 28.1	+0.6
N41A	Harden Midland	125.18	35	ePKPdf	PKPdf	15 24 26.8	-0.8
N41A	Harden Midland	125.18	35	P	PKPdf	15 24 27.4	-0.2
K43A	Burlington	125.18	31	ePKPdf	PKPdf	15 24 26.8	-0.8
K43A	Burlington	125.18	31	P	PKPdf	15 24 27.4	-0.1
P40A	Paris	125.25	37	ePKPdf	PKPdf	15 24 27.2	-0.6
P40A	Paris	125.25	37	P	PKPdf	15 24 28.1	+0.3
S38A	Stockton	125.28	39	P	PKPdf	15 24 27.9	0.0
M42A	Sheffield	125.29	33	P	PKPdf	15 24 27.5	-0.3
L43A	Garden Prairie	125.33	32	P	PKPdf	15 24 27.6	-0.2
R39A	Diamond	125.39	40	P	PKPdf	15 24 28.3	+0.2
R39A	Chumby, Stover	125.41	38	P	PKPdf	15 24 28.3	+0.2
GLMI	Grayling	125.42	27	ePKPdf	PKPdf	15 24 27.9	0.0
GLMI	Grayling	125.42	27	P	PKPdf	15 24 28.7	+0.7
O41A	Passleys Farm,	125.55	35	P	PKPdf	15 24 28.2	-0.1
N42A	Yates City	125.56	34	P	PKPdf	15 24 28.1	-0.2
Q40A	Laux Farm, Aux	125.58	37	P	PKPdf	15 24 28.7	+0.3
VLD0	Val d'Or	125.59	20	ePKPdf	PKPdf	15 24 27.1	-1.0
S39A	Bolivar	125.62	39	ePKPdf	PKPdf	15 24 28.1	-0.4
S39A	Bolivar	125.62	39	P	PKPdf	15 24 28.6	+0.1
M43A	Waltham Townsh	125.74	33	P	PKPdf	15 24 28.6	0.0
P41Q	Barry, Barry	125.74	36	P	PKPdf	15 24 29.0	+0.3
B40Q	Belleterre	125.77	21	P	PKPdf	15 24 28.6	+0.1
LELQ	Lake County Fo	125.77	32	P	PKPdf	15 24 28.8	+0.1
ZAIG	Zacatecas	125.81	60	ePKPdf	PKPdf	15 24 30.3	+0.6
R40A	Maddies Statio	125.90	38	ePKPdf	PKPdf	15 24 28.6	-0.4
R40A	Maddies Statio	125.90	38	P	PKPdf	15 24 29.2	+0.2
O42A	Bath	125.96	35	P	PKPdf	15 24 30.1	+1.1
N43A	Stutzman Famil	125.96	33	P	PKPdf	15 24 29.0	-0.1
WHTX	Lake Whitney,	125.97	47	ePKPdf	PKPdf	15 24 29.9	+0.5
WHTX	Lake Whitney,	125.97	47	P	PKPdf	15 24 30.2	+0.9
T39A	Clever	125.98	40	P	PKPdf	15 24 29.6	+0.4
Q41A	Truxton	126.11	37	P	PKPdf	15 24 30.0	+0.6
HDIL	Hopedale	126.16	34	ePKPdf	PKPdf	15 24 29.3	-0.1
HDIL	Hopedale	126.16	34	P	PKPdf	15 24 29.7	+0.2
S40A	Lebanon	126.19	39	P	PKPdf	15 24 29.7	+0.1
P42A	Winchester	126.21	35	ePKPdf	PKPdf	15 24 29.3	-0.2
P42A	Winchester	126.21	35	P	PKPdf	15 24 29.8	+0.2
R33A	Chaparral WMA,	126.23	52	ePKPdf	PKPdf	15 24 29.1	-0.8
R33A	Chaparral WMA,	126.23	52	P	PKPdf	15 24 31.5	+1.5
M44A	Midewin, Midew	126.26	32	ePKPdf	PKPdf	15 24 29.2	-0.4
M44A	Midewin, Midew	126.26	32	P	PKPdf	15 24 29.9	+0.3
U39A	Green Forest	126.30	40	P	PKPdf	15 24 29.9	0.0

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O43A	Sugar Creek Fa	126.33	34	P	PKPdf	15 24 30.4	+0.7
R40A	Rosebud	126.44	37	P	PKPdf	15 24 30.5	+0.4
R41A	Mansfield	126.45	39	P	PKPdf	15 24 30.2	0.0
TOB0	Tobermory, Bru	126.46	25	P	PKPdf	15 24 30.3	+0.4
435B	Jarrell	126.47	49	ePKPdf	PKPdf	15 24 30.1	-0.3
435B	Jarrell	126.47	49	P	PKPdf	15 24 31.3	+1.0
V39A	Pettigrew	126.52	41	P	PKPdf	15 24 30.4	0.0
Q42A	Golden Eagle	126.55	36	P	PKPdf	15 24 30.6	+0.4
N44A	Piper City	126.63	33	P	PKPdf	15 24 30.5	+0.1
P43A	Skaggs, Pawnee	126.65	35	P	PKPdf	15 24 30.9	+0.5
S41A	Jillo Farms,	126.66	38	P	PKPdf	15 24 30.8	+0.2
CCM	Cathedral Cave	126.67	37	ePKPdf	PKPdf	15 24 29.9	-0.6
CCM	Cathedral Cave	126.67	37	P	PKPdf	15 24 31.5	+1.0
M45A	Boilermakers S	126.68	32	P	PKPdf	15 24 30.8	+0.4
U40A	Fellville	126.72	40	P	PKPdf	15 24 30.8	+0.1
R42A	Luebering	126.80	37	P	PKPdf	15 24 31.1	+0.3
W39A	Magazine	126.80	42	ePKPdf	PKPdf	15 24 30.2	-0.6
W39A	Magazine	126.80	42	P	PKPdf	15 24 31.4	+0.6
KLBO	Killbear Provi	126.89	24	P	PKPdf	15 24 30.0	-0.7
O44A	Mansfield	126.89	34	P	PKPdf	15 24 31.2	+0.3
N45A	Kentland	126.93	32	P	PKPdf	15 24 31.5	+0.6
X39A	Fountain Ranch	126.97	43	P	PKPdf	15 24 32.5	+1.2
T41A	Mountain View	126.99	39	P	PKPdf	15 24 31.4	+0.2
Q43A	New Douglas	127.02	36	P	PKPdf	15 24 31.4	+0.3
V40A	Witts Springs	127.07	41	ePKPdf	PKPdf	15 24 30.6	-0.8
V40A	Witts Springs	127.07	41	P	PKPdf	15 24 31.7	+0.3
BMRO	Merville Lake	127.10	25	P	PKPdf	15 24 32.0	+0.9
S42A	Caledonia	127.13	37	P	PKPdf	15 24 31.8	+0.4
M46A	Old House Fiel	127.14	31	ePKPdf	PKPdf	15 24 30.6	-0.7
M46A	Old House Fiel	127.14	31	P	PKPdf	15 24 31.9	+0.7
BUKO	Buck Lake	127.14	23	P	PKPdf	15 24 31.4	+0.2
FVM	French Village	127.21	37	ePKPdf	PKPdf	15 24 31.1	-0.5
O45A	Potomac	127.23	33	P	PKPdf	15 24 32.5	+1.0
P44A	Ferguson Farm,	127.28	41	P	PKPdf	15 24 32.3	+0.6
P44A	Sand Creek, Wi	127.28	34	P	PKPdf	15 24 32.3	+0.7
BRCO	Bruce Peninsul	127.29	25	P	PKPdf	15 24 32.3	+0.8
L47A	Sherwood	127.30	30	P	PKPdf	15 24 31.8	+0.2
N46A	Monticello	127.31	32	P	PKPdf	15 24 32.0	+0.4
MIAR	Mount Ida	127.32	42	ePKPdf	PKPdf	15 24 29.4	-2.5
MIAR	Mount Ida	127.32	42	P	PKPdf	15 24 32.9	+1.0
R43A	Red Bud	127.32	36	P	PKPdf	15 24 31.9	+0.1
U41A	Viola	127.33	39	P	PKPdf	15 24 32.1	+0.3
BAS0	Ashfield	127.38	26	P	PKPdf	15 24 32.4	+0.8
T42A	Van Buren	127.42	38	P	PKPdf	15 24 32.3	+0.3
Q44A	Weyer Farm, Va	127.44	35	P	PKPdf	15 24 32.6	+0.7
SFIN	Lafayette	127.48	33	P	PKPdf	15 24 32.4	+0.5
BWLO	Warton	127.52	25	P	PKPdf	15 24 32.9	+0.9
V							

26d 17h

MEX 26:16:37.2.0.4, 16:27N-98:06W, h9km, 3km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, CAIG El Cayaco, and WRA Warramunga Arr.

ISCJB 26 16:36:10.7.0.5, 39:41N-102:25:71E, 0.03, h7km, 3km, Error ellipse: s-maj=3.1km s-min=1.0km az=79.0

ATH 26 16:36:10.2, 39:39N-25:70E, h23km, 2km, ML2, 1/5, Error ellipse: s-maj=3.1km s-min=1.0km az=79.0

ISK 26 16:36:10.1, 39:41N-25:68E, h9km, ML2, 5/8

DDA 26 16:36:10.0, 39:42N-25:71E, h7km, ML2, 6

THE 26 16:36:11.1, 39:41N-25:72E, h8km, 1km, ML2, 0.7, Error ellipse: s-maj=1.2km s-min=0.3km az=164.0

ISC 26 16:36:10.8.0.9, 39:41N-102:25:72E, 0.02, h13km, 7km, n42, 0.946/64, Aegean Sea

Main station list table for the 26d 17h period, including stations like SAGR SIGRI, GPNR Gulinpar-Canak, PRK Paraskevi, etc.

ISCJB 26 16:37:23.0.0.7, 2:46N, 0:05, 126:92E, 0:05, h63km, mb3.8/6, Error ellipse: s-maj=7.8km s-min=6.5km az=36.8

ICC 26 16:37:24.5.4.8, 2:03N, 126:67E, h75km, 53km, mb3.5/7, mb1.3/7.8, mb1mx3.3/61, mbtmp3.8/8, ML3.0/1, Error ellipse: s-maj=52.3km s-min=17.2km az=72.0

DJA 26 16:37:26.8.0.4, 2:13N, 127:02E, h81km, 63km, M4, 3/12, mb5.2/2, mb4.3/7, MLV4.2/12, Mw(mb)4.6/2

ISC 26 16:37:24.3.0.8, 2:30N, 126:91E, 0:07, h63km, n20, 0.248/21, mb3.8/6, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TNTI Ternate, SGTI Sangihe, LBMJ Labuha, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MPSI Mapaga, FAKI Faka Fak, TTSI Tana Toraja, etc.

ISC 26 16:40:34.3.2.1, 11:31S, 164:20E, h0km, mb3.8/4, mb1.4/1.5, mb1mx3.6/53, mbtmp3.9/5, ML4.5/1, Error ellipse: s-maj=83.0km s-min=9.9km az=143.0

ISCJB 26 16:40:37.2.1.0, 11:25S, 164:2E, 0.1, h29km, mb4.1/6, Error ellipse: s-maj=18.9km s-min=10.8km az=39.8

NEIC 26 16:40:41.5.1.7, 11:20S, 164:15E, h51km, 16km, mb4.4/2, Error ellipse: s-maj=18.9km s-min=14.4km az=55.0

ISC 26 16:40:39.4.1.2, 11:25S, 164:15E, 0.1, h29km, n11, 0.0580/13, mb3.9/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumak, etc.

ISC 26 16:55:47.2.1.9, 2:25N, 127:01E, h0km, mb3.3/4, mb1.3.5/4, mb1mx3.3/60, mbtmp3.3/4, MS3.4/1, Ms1.3.4/1, s-min=23.4km az=70.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, GUMO Guam, WRA Warramunga Arr, etc.

ISCJB 26 17:02:11.5.0.3, 33:05N, 101:11E, 0.02, h11km, 2km, Error ellipse: s-maj=2.6km s-min=2.2km az=147.2

NEIC 26 17:02:12.7.0.0, 33:02N, 115:56W, h13km, ML3.3(PAS), After PAS.

NEIC Felt [V] at Brawley. Also felt at Blythe, Holtville, Imperial and San Diego.

ISC 26 17:02:12.6.2.0, 32:99N, 115:29W, h0km, mb1.3/7.4, mb1mx3.4/71, mbtmp3.3/4, ML3.7/4, Error ellipse: s-maj=27.0km s-min=15.5km az=43.0

ECX 26 17:02:13.0.0.5, 0.7, 33:07N, 115:61W, h12km, MD3.6, ML3.8

MEX 26 17:02:15.5.0.7, 33:10N, 115:64W, h16km, 32km, MD4.0

ISC 26 17:02:12.6.0.8, 33:03N, 102:11E, 0.02, h18km, 5km, n71, 0.138/108, 4C-6D, Southern California

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

ISCJB 26 17:16:01.3.0.4, 33:02N, 102:11E, 0.02, h15km, 3km, Error ellipse: s-maj=3.2km s-min=2.6km az=149.2

NEIC 26 17:16:02.0.0.0, 33:02N, 115:55W, h14km, ML3.3(PAS), After PAS.

NEIC Felt at Brawley.

ECX 26 17:16:02.5.0.6, 33:03N, 115:57W, h12km, MD3.1, ML3.3

ISC 26 17:16:01.5.0.9, 32:99N, 102:11E, 0.02, h20km, 2km, n61, 0.190/77, 9C-6D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BC3 Big Chuckawall, BC3 Big Chuckawall, BC3 Big Chuckawall, etc.

1206

Main station list table for the 1206 period, including stations like CBX Cerro Bola, CBX Cerro Bola, CBX Cerro Bola, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BC3, MONP2 Monument Peak, MONP2, XPFO Pinyon Flat, PFO Pinyon Flats O, PFO Pinyon Flats O, PFO, BAR Barrett, BAR Barrett, BAR Barrett, FRD Ford Ranch, An, FRD, BELC Belle Mtn. Jos, BELC, BELC, TJIG Tijuana, Y12C Blythe, Y12C Blythe, Y12C, CBX Cerro Bola, CBX, SDRC San Diego Road, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, 109C, CPE Camp Elliot, MURC, MURC, 113A Mohawk Valley, PDMCI Parker Dam, Lak, PDMCI, GMRC Granite Mounta, GMRC, HEC Hektor, Ludlow, SPG San Pedro Mart, RRR Edison Barstow, Y14A Wickenburg, MWC Mount Wilson, CIS Catalina Islan, PASC Pasadena Art C, SC12 San Clemente I, W13A Hualapai Mount, GSC Goldstone, Bar, 214A Organ Pipe Nat, EDW2 Edwards Air Fo, SHPR Sheep Range, FURC Furnace Creek, DAC Darwin (Camp), X16A Lo Mia Camp, P, TPNV Topopah Spring, TPNV Topopah Spring, TUC Tucson, LCMT Little Creek M, CCUT Cedar City, SZCU Shurtz Canyon, W18A Petrified Fore, R11A Troy Canyon, C

IDC 26 17:28:05.9-0.4, 19.06S; 167.69E, h0km, mb4.5/24, mb1.4, 0.25, mb1mx4.5/50, mb1mp4.5/25, ML 4.2/1, Error ellipse: s-maj=16.8km s-min=13.6km az=111.0, h28km, n57, ISCJB 26 17:28:08.5-0.4, 19.08S; 0.05-167.59E, 0.09, h28km, mb4.5/25, Error ellipse: s-maj=12.2km s-min=7.2km az=18.2, NEIC 26 17:28:11.1-0.3, 19.08S; 0.07-170.83E, h35km, mb4.7/2, Error ellipse: s-maj=9.7km s-min=7.5km az=129.0, ISC 26 17:28:10.0-0.5, 19.11S; 0.08-167.7E, 0.11, h28km, n57, 0.074/54, mb4.6/24, Vanuatu Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM, CTA Charters Tower, CTAO Charters Tower, RPZ Rate Peaks, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, MBWA Marble Bar, NWAO Narrogin (SRO), Vnda Vanda, LEM Lembang, MJAR Matsushiro Arr, ASAJ Asahikawa, KSRS Korea Arr, KSAR Wonju Arr, YSS Yuzh-Sakhalins, OSPA South Pole Qui, USRK Ussuriysk Ar, PSI Prapat, PETK Petropavlovsk, CMAR Chiang Mai Arr, MAW Mawson, KDAK Kodiak Island, CMB Columbia Colle, YBH Yreka Blue Hor, HUMO Hull Mountain, SNAA Snaae, SNAA Snaae, NVAR Mina Array Bea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VNA3 Neumayer Olymp, ILAR Neilson Array, WVOR Wild Horse Val, TXAR Lajitas Array, MKAR Makanchi Array, ARCES ARCES Array B, SJG San Juan, PTGA Pingga, AKASG Malin Array Be, EKA Eskdalemuir Ar, CONA Conrad Observa, GERES GERES Array B, MOA Mollin, SOKA Soboth, OBKA Obir, KBA Koelnbreinsper, MYKA Terra Mystica, ABTA Alfaltersbach, WATA Walderalm, WTTA Wattenberg, MOTA Moosalm, RETA Reutte, FETA Feichten, DAVA Damuels, DAVOX Davos/Dischmatt, EORD Eorda, TORO Torodi Ar, BEA, TORO

ISK 26 17:41:08.6, 38.75N; 43.15E, h5km, ML2.1/3 DDA 26 17:41:10.1, 38.70N; 43.26E, h7km, ML2.8 ISC 26 17:41:10.1, 38.76N; 0.03-43.14E, 0.04, h6km, m12km, n9, 0.1939/15, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, VANB, VMUR Van-Muradiye, VMUR, GEVA Gevas, GEVA, TUTA Tutak, AGRB Hanur-Agry, GURO Guroymak-BITL, EKAR Karacaban, EKAR, SRTM Siirt Merkez, SRTM, SIRT Sirmak

KRSC 26 18:09:38.5-4.5, 49.15N; 156.64E, h6km, m64km, ML3.6, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR, PAU Pauzhetka, KDTR Khodutka, Kamc, ASAK Asacha, RUS Ruskayya, RUS, KRMR Karmyshinskiy, PETR Petropavlovsk, DALK Dalny, AVH Avacha, SPN Mys Shipunski, GNL Ganaly

ISCJB 26 18:11:23.1-0.4, 33.02N; 0.167-115.57W, 0.02, h11km, 3km, Error ellipse: s-maj=3.2km s-min=2.6km az=154.0, NEIC 26 18:11:24.1-0.0, 33.01N; 115.56W, h13km, ML2.7(PAS), After PAS

NEIC Felt at Brawley ECX 26 18:11:24.5-0.6, 33.01N; 115.57W, h8km, MD2.5, ML2.6 ISC 26 18:11:23.9-0.8, 33.02N; 0.02-115.59W, 0.02, h16km, 6km, n47, 1.1059/70, 4C-5D, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SWSC Sam W. Stewart, SWSC, COK Cook Ranch, DREC Desert Rsrch C, ERPC, SGC Mount Signal, COA Coachella, YUH Yuha Desert, IKP In-Ko-Pah, JAC, IKP In-Ko-Pah, JAC, IKP, RMX La-Sumrosa, RMX, RMX, RMX, GLA Glamis, GLA, GLA, GLA, CPBX Cerro Prieto, CPBX, CPBX, CPBX, CPBX, BC3 Big Chockwall, BC3, MONP2 Monument Peak, MONP2, XPFO Pinyon Flat, XPFO, PFO Pinyon Flats O, PFO, PFO Pinyon Flats O, PFO, PFO, BAR Barrett, BAR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BAR Barrett, BAR, FRD Ford Ranch, An, FRD, BELC Belle Mtn. Jos, BELC, BELC, TJIG Tijuana, CBX Cerro Bola, Y12C Blythe, Y12C Blythe, Y12C, SDRC San Diego Road, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, 109C, CPE Camp Elliot, MURC, MURC, 113A Mohawk Valley, PDMCI Parker Dam, Lak, PDMCI, GMRC Granite Mounta, GMRC, HEC Hektor, Ludlow, NEE2 Needles Airpor, SPIG San Pedro Mart, Y14A Wickenburg, MWC Mount Wilson, GSC Goldstone, Bar, W13A Hualapai Mount, 214A Organ Pipe Nat, SHPR Sheep Range, X16A Lo Mia Camp, P, LCMT Little Creek M

KRNET 26 18:13:34.1-0.1, 40.60N; 71.13E, h16km, mb2.0, NNC 26 18:13:36.8-3.6, 40.70N; 71.26E, h0km, mb2.5, mpv2.1, Error ellipse: s-maj=34.5km s-min=12.3km az=52.0, ISC 26 18:13:34.3-1.6, 40.63N; 0.06-71.07E, 0.06, h7km, m18km, n9, 0.096/18, 10C-8D, Tajikistan

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. Includes stations like BTk Batken, BTk, ARK Arkit, ARK, ARS Arslanbob, ARS, ARS, SFK Suif-Kurgan, SFK, SFK, SFK, MNAS Manas, MNAS, MNAS, AML Almayashu, AML, KK31 Karatay Array, KK31

ISCJB 26 18:14:42.1-0.9, 2.35N; 0.06-126.91E, 0.05, h63km, mb3.7/5, Error ellipse: s-maj=9.96km s-min=6.6km az=35.5, DJA 26 18:14:43.4, 1.0, 2.3N; 3.127E, h25km, 10km, M4.2/11, mb4.0/2, mb4.4/6, MLv4.1/11, Mw(mB)4.1/2, IDC 26 18:14:43.2-4.7, 2.16N; 126.72E, h0km, 50km, mb3.4/6, mb3.6/7, mb1mx3.2/58, mb1mp3.8/7, Error ellipse: s-maj=71.2km s-min=16.5km az=72.0, ISC 26 18:14:41.5-1.0, 2.35N; 0.06-126.98E, 0.07, h63km, n15, 0.241/20, mb3.8/5, Northern Malouca Sea

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. Includes stations like TNGI Ternate, TNGI, TNGI, SGGI Sangihe, SGGI, LBMI Labuha, LBMI, KMSI Cibinong, KMSI, SIJI Sorong, SIJI, MRSI Marisa, MRSI, AAI Ambon, AAI, APSI Ampama, APSI, APSI, MPSI Mapaga, MPSI, WITZ Fitzroy Crossi, WITZ, WITZ, ASAR Alice Springs, ASAR, MKAR Makanchi Array, MKAR, KURBA Kurchatov Arr, KURBA, Vnda Vanda

AZER 26 18:15:29.2-0.1, 38.40N; 46.88E, h10km, ml3.4/20, Error ellipse: s-maj=2.3km s-min=0.4km az=7.0, TEH 26 18:15:31.6, 38.44N; 46.87E, h8km, ML3.4, ISC 26 18:15:30.9-1.1, 38.29N; 0.03-46.80E, 0.02, h5km, 10km, n34, 1.150/55, 18C-14D, Iran-Armenia-Azerbaijan border region

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. Includes stations like IHRS Heris, IHRS, ITBZ Tabriz, ITBZ

ECX 26 19:16:11.4-0.6,33.10N-115.59W,h10km,MD3.8,ML4.0
ISC 26 19:16:10.9-1.0,33.00N-0.02-115.58W,0.02,h14km,8km,
n84,c160/104,7C-6D,Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include stations like Sam W. Stewart, Desert Rsrch C, Ernie Place, Westside Schoo, Carrizo Plain, Mount Signal, Yuhua Desert, In-Ko-Pah, La Rumorosa, Big Chuckawall, Glamis, Cerro Prieto, Monument Peak, PINON FLAT INF, Pion Flat, Pinyon Flats O, Belle Mtn. Jos, Blythe, Iron Mountain, Cerro Bola, San Diego Road, Camp Elliot, Murrieta, Parker Dam, Granite Mounta, Hecctor,Ludlow, Needles Airpor, Wickenburg, Fort Macarthur, Mount Wilson, Turquoise Moun, Catalina Islan, Pasadena Art C, Goldstone, Bar, Hualapai, Organ Pipe Nat, Green Verdugo, Edwards Air Fo, Desw2, Osi, SNCC, MPMC, SHPR, DAC, X16A, PUC, TUC, WUAZ, WUAZ, U15A, LCMT, X16B, COLT, SZCU, PKCU, W18A, PMPF, 319A, PSUT, NVAR, MSU, KVN, CMB, 121A, BAR.

Table with columns: YERR, LEINI, SRU, ANMO, BEKR, PDAR, TXAR, TXAR, ILAR. Rows include Yerington, Lemitar, San Rafael Swe, Albuquerque, Beckworth, Lajitas Array, Pinedale Array, Lajitas Array, Gilson Array, comp=N,0.1nm,0.3s,ba=191,slow=15,SNR=4.4.

ISC/JB 26 19:20:02.8-0.3,33.08N-0.02-115.56W,0.02,h3km,2km,
mb4.4/6,Error ellipse: s-maj=2.7km s-min=2.4km
az=148.0

NEIC 26 19:20:04.0-5.0,33.02N-115.55W,h13km,mb4.5/3,
MW4.6(PAS),After PAS.

NEIC Fel [V] at Brawley, [I] at El Centro and Imperial and [I] at
San Diego. Also felt at Chula Vista, Holtville, Julian, San
Ysidro, Santee and Westmorland.

IDC 26 19:20:04.3-1.2,33.05N-115.52W,h0km,mb4.0/4,
mb1.4/0.9,mb1mx3.7/73,mbtp3.7/9,ML3.7/5,MS4.1/4,
Ms1.4/1.4,ms1mx3.4/69,Error ellipse: s-maj=21.8km
s-min=8.6km az=33.0

MEX 26 19:20:05.0-7.7,33.09N-115.48W,h15km,MD4.6
ECX 26 19:20:05.0-0.6,33.07N-115.61W,h5km,MD4.4,ML4.6
ISC 26 19:20:04.9-0.8,33.03N-0.02-115.57W,0.02,h13km,6km,
n116,c162/143,mb4.3/6,8C-8D,Southern California

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include Sam W. Stewart, Cook Ranch, Desert Rsrch C, Ernie Place, Westside Schoo, Carrizo Plain, Mount Signal, Yuhua Desert, In-Ko-Pah, La Rumorosa, Cerro Prieto, Monument Peak, PINON FLAT INF, Pion Flat, Pinyon Flats O, Belle Mtn. Jos, Blythe, Iron Mountain, Cerro Bola, San Diego Road, Camp Elliot, Murrieta, Parker Dam, Granite Mounta, Hecctor,Ludlow, Needles Airpor, Wickenburg, Fort Macarthur, Mount Wilson, Turquoise Moun, Catalina Islan, Pasadena Art C, Goldstone, Bar, Hualapai, Organ Pipe Nat, Green Verdugo, Edwards Air Fo, Desw2, Osi, SNCC, MPMC, SHPR, DAC, X16A, PUC, TUC, WUAZ, WUAZ, U15A, LCMT, X16B, COLT, SZCU, PKCU, W18A, PMPF, 319A, PSUT, NVAR, MSU, KVN, CMB, 121A, BAR.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include Pasadena Art C, Goldstone, Bar, San Clemente I, Organ Pipe Nat, Green Verdugo, Edwards Air Fo, Desw2, Shoshone, Teco, Laurel Mtn Rad, Isabella, Lake, Furnace Creek, Darwin (Calif), Santa Barbara, Toppan Spring, Cottonwood Cre, Mppherson Peak, Vestal, Richgr, Tucson, Wupatki, Simmler, Tinemaha, Big, Snowflake, Petrified Fore, Troy Canyon, Mammoth, Mamm, Mina Arroya, Cornudas Mount, Cornudas Mount, Hardware Ranch, La Paz, Yreka Blue Hor, Pinedale Array, Lajitas Array, Lajitas Array, Lajitas Array, Bozeman (W), Red Lodge, WMOK, Newport, Lasa Array, Eagleton, Waterton Lakes, Matias Romero, Dease Lake, JuntasAbangare, Eielson Array, Eielson Array, Indian Moutai, Hu-ho-hao-te, Nanjing.

ISC/JB 26 19:21:03.2-0.6,33.02N-0.04-115.58W,0.03,h8km,5km,
Error ellipse: s-maj=6.8km s-min=3.8km az=165.8
NEIC 26 19:21:02.4-0.1,33.03N-0.05-115.56W,0.03,
After PAS.

ISC 26 19:21:02.9-1.0,32.97N-0.05-115.56W,0.03,
h16km,10km,n13,c08/90-20,California-Baja California
border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h m s, ISC. Rows include Sam W. Stewart, WUAZ, North Rim, Little Creek M, Antelope Grade, Cedar City, Snowflake, Shurtz Canyon, Pink Cliffs, Petrified Fore, Monran Peak, 319A, PSUT, NVAR, MSU, KVN, CMB, 121A, BAR.

26d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BAR Pionon Flat, XPFO Pionon Flats O, PFO Pionon Flats O, etc.

ECX 26 19:28:37.0.5.33.03N.115.65W,h5km,MD3.2,ML3.4
ISCJB 26 19:28:40.2.0.3.32.91N.0.02-115.73W.0.02,h10km,
Error ellipse: s-maj=3.4km s-min=2.4km az=174.4

NEIC 26 19:28:45.1.0.0.0.33.00N.115.56W,h11km,ML3.4(PAS),
After PAS.

ISC 26 19:28:36.6.0.7.33.01N.0.02-115.61W.0.02,h10km,n47,
c=275/68,3C-5D,Southern California

Main table for station 26d 19h, listing station names, coordinates, and seismic data. Includes stations like SWSC Sam W. Stewart, SWSC Sam W. Stewart, SWSC, etc.

BUJ 26 19:31:20.9.33.00N.115.50W,h12km,mb5.0/13,mb5.3/9,
Ms5.5/13,Ms7.5/21/3
ISCJB 26 19:31:21.7.0.3.33.00N.0.01-115.49W.0.01,h10km,2km,
mb4.6/70,MS5.1/77, Error ellipse: s-maj=2.4km
s-min=1.7km az=14.0

MEX 26 19:31:22.5.0.7.33.27N.115.50W,h17km,156km,MD5.5
NEIC 26 19:31:22.9.0.0.33.02N.115.55W,h12km,mb4.9/17,
MW5.4,MW5.3(PAS),After PAS.

NEIC Felt [V] at Heber, Holtville and Imperial; [IV] at Boulevard,
Brawley, Calexico, Colima Vista, El Centro, San Ysidro and
Thermal. Felt throughout southern California and
southwestern Arizona. Felt [IV] at Mexicali and [III] in the
Ensenada-Tijuana area, Baja California. Also felt at San
Luis Rio Colorado, Sonora.

IDC 26 19:31:23.7.0.5.33.13N.115.31W,h0km,mb4.4/34,

2012 AUG

mb1 4.5/41,mb1mx4.4/77,mbtmp4.4/41,ML4.3/6,MS4.9/60,
Ms1 4.9/60,ms1mx4.9/69, Error ellipse: s-maj=15.8km
s-min=7.3km az=52.0

MOS 26 19:31:23.7.1.3.33.06N.115.39W,h12km,mb5.1/21,
MS5.2/7, Error ellipse: s-maj=6.3km s-min=5.1km
az=100.7

NEIC 26 19:31:23.0.0.0.33.12N.115.68W,h11km,Moment
Tensor Solution. s15 Moment tensor: Scale 1017Nm;
Mn-0.51; Mw-0.85; Mo-1.36; Me0.98; Ms0.51; Mr-0.26;
Best double couple: Mo1.60000/1017, NP1.333333000000,
0.6600000, -1.14800000, -NP2.333333000000,
0.6200000, -1.2700000, Principal axes: T: 1.47000,
Plg2.0000, Azm101.0000; N: 0.3100, Plg15.0000,
Azm8.0000; P: -1.7800, Plg38.0000, Azm193.0000;

ECX 26 19:31:23.1.0.6.33.08N.115.57W,h8km,MD5.1,ML5.3
CGMT 26 19:31:24.9.0.2.32.92N.0.01-115.59W.0.01,h12km,2km,
MW5.4/130,Moment Tensor Solution. s67,c91;
s130,c261; Duration: 1s2 Moment tensor: Scale 1017
Nm; Mn-0.42z.03; Mw-1.16z.03; Mo-1.58z.02;
Ms-0.17z.08; Me0.55z.03; Mr-0.54z.07; Best double
couple: Mo1.54800/1017, NP1.333333000000,0.8400000,
1.1300000, -NP2.333333000000,0.7700000,-1.17300000,
N: 0.5550, Plg75.0000, Azm122.0000; P: -1.2700,
Plg5.0000, Azm10.0000; nstax1 refers to body waves,
cutoff=40s. nstax2 refers to surface waves, cutoff=50s.

ISC 26 19:31:22.4.0.4.33.05N.0.02-115.54W.0.01,h2km,2km,
n858,18181/734,mb4.7/72,MS5.1/77,14C-9D,Southern
California

Main table for station 2012 AUG, listing station names, coordinates, and seismic data. Includes stations like SWSC Sam W. Stewart, DREC Desert Rsrch C, COK Cook Ranch, etc.

1210

Main table for station 1210, listing station names, coordinates, and seismic data. Includes stations like OSI Osito Audit: C, OSI Osito Audit: C, BLG Laguna Peak, etc.

HVU	Hansel Valley	8.99	13	ePn	Pn	19 33 36.5 +3.2
HVU	Hansel Valley	8.99	13	ePn	Pn	19 33 36.5 +3.2
HVU	Hansel Valley	8.99	13	ePn	Pn	19 33 38.7 +3.7
HWUT	Hardware Ranch	9.11	19	ePn	Pn	19 33 38.9 +2.9
O20A	White River Cr	9.19	38	ePn	Pn	19 33 35.7 -0.4
O20A	White River Cr	9.19	38	ePn	Pn	19 33 35.7 -0.4
O02D	Mt. Diablo Mer	9.20	323	P	Pn	19 33 37.7 +1.6
SMCO	Snowmass	9.24	46	ePn	Pn	19 33 40.8 +3.8
SDCO	Great Sand Sun	9.44	57	P	Pn	19 33 40.4 +0.8
SDCO	Great Sand Sun	9.44	57	P	Pn	19 33 39.9 +0.3
GDLR	Guadalupe Moun	9.46	92	ePn	Pn	19 33 42.1 +2.4
MOD	Woodcreek Plateau	9.62	328	ePn	Pn	19 33 40.0 +1.0
WVOR	Wild Horse Val	9.69	346	ePn	Pn	19 33 42.2 -0.6
WVOR	Wild Horse Val	9.69	346	ePn	Pn	19 33 42.2 -0.6
KMRM	Mall Ridge	9.71	320	ePn	Pn	19 33 49.1 +6.0
N02D	Trinity Center	9.77	326	P	Pn	19 33 43.2 -0.7
T25A	Trinidad	9.99	63	ePn	Pn	19 33 51.7 +4.7
T25A	Trinidad	9.99	63	ePn	Pn	19 33 46.3 -0.7
LP1G	La Paz	10.02	151	Pn	Pn	19 33 50.2 +2.8
LP1G	comp=N,14nm,0.3s,baz=148,slow=7,SNR=9.1			LR	LR	19 37 20.3
M04C	Macdoel	10.05	332	P	Pn	19 33 49.3 +1.4
M02C	Callahan	10.17	327	P	Pn	19 33 48.4 -1.0
KHMM	Horse Mountain	10.20	322	ePn	Pn	19 33 54.9 +5.1
Q24A	Divide	10.27	52	P	Pn	19 33 51.5 +0.4
AHID	Auburn Ranch	10.31	19	ePn	Pn	19 33 55.4 +3.9
MFID	Camas Hatcher	10.36	359	Pn	Pn	19 33 56.0 +4.0
YBH	Yreka Blue Hor	10.38	329	Pn	Pn	19 33 57.7 +5.5
ISCO	comp=N,0.1nm,0.3s,baz=242,slow=11,SNR=6.9					19 33 56.8 +3.3
ISCO	Idaho Springs	10.45	47	ePn	Pn	19 33 56.8 +3.3
ISCO	Idaho Springs	10.45	47	ePn	Pn	19 33 56.8 +3.3
ISCO	Idaho Springs	10.45	47	ePn	Pn	19 33 51.3 -2.2
HLID	Hailey	10.54	4	Pn	Pn	19 33 59.3 +4.8
HLID	Hailey	10.54	4	P	Pn	19 33 53.8 -0.7
SLBS	Sierra La Lagu	10.54	151	ePn	Pn	19 34 00.3 +5.7
L04D	Klamath Falls	10.61	332	P	Pn	19 33 56.2 +0.7
MSTX	Muleshoe	10.70	82	Pn	Pn	19 33 58.7 +2.0
MSTX	Muleshoe	10.70	82	Pn	Pn	19 33 55.2 -1.5
K04D	Chiloquin, OR	10.75	335	P	Pn	19 33 57.1 -0.3
BW06	Boulder Array	10.79	24	ePn	Pn	19 33 59.5 +1.5
BW06	Boulder Array	10.79	24	ePn	Pn	19 33 56.8 -1.2
PD31	Pinedale Array	10.79	24	ePn	Pn	19 34 01.8 +3.7
PDAR	Pinedale Array	10.79	24	Pn	Pn	19 34 00.8 +2.8
PDAR	comp=N,0.3nm,0.3s,baz=199,slow=12,SNR=3.5			LR	LR	19 38 31.1
PDAR	comp=N,14um,18.9s,baz=216,slow=40					19 34 00.9 +2.9
PDAR	Pinedale Array	10.79	24	ePn	Pn	19 33 58.6 +0.3
TX31	Lajitas Ar. Si	10.81	107	ePn	Pn	19 33 58.3 0.0
TXAR	Lajitas Array	10.81	107	ePn	Pn	19 33 58.3 0.0
TXAR	comp=N,1.3nm,0.3s,baz=288,slow=13,SNR=5.5			Lg	Lg	19 37 04.5
TXAR	comp=N,0.6nm,0.3s,baz=286,slow=22,SNR=4.2			LR	LR	19 38 21.5
REDW	Red Top Meadow	10.94	18	ePn	Pn	19 34 04.7 +4.6
N23A	Red Feather La	10.96	42	ePn	Pn	19 34 05.9 +5.5
N23A	Red Feather La	10.96	42	P	Pn	19 33 59.0 -1.4
TPAW	Teton Pass	11.03	18	ePn	Pn	19 34 04.9 +3.6
SNOW	Snow King Moun	11.05	18	ePn	Pn	19 34 06.0 +4.3
L02D	Cave Junction,	11.11	327	P	Pn	19 34 02.9 +0.7
FXWV	Fox Creek	11.15	17	ePn	Pn	19 34 04.4 +1.5
J05D	Fort Rock, OR	11.16	338	P	Pn	19 34 05.2 -0.6
HUMO	Hull Mountain	11.20	331	ePn	Pn	19 34 07.2 +3.8
LOHW	Long Hollow	11.23	19	ePn	Pn	19 34 08.3 +4.1
MOOW	Moosavi	11.32	19	ePn	Pn	19 34 07.0 +1.7
J04D	Ummpqua Nationa	11.41	335	P	Pn	19 34 06.2 -0.3
K02D	Willamette Mer	11.57	329	P	Pn	19 34 05.9 +0.9
FLWY	Flagg Ranch	11.65	18	ePn	Pn	19 34 14.1 +4.4
AMTX	Amarillo	11.65	77	Pn	Pn	19 34 08.6 -1.1
AMTX	Amarillo	11.65	77	P	Pn	19 34 11.9 +2.2
BMO	Blue Mountains	11.87	354	ePn	Pn	19 34 16.8 +4.1
BMO	Blue Mountains	11.87	354	ePn	Pn	19 34 16.4 -1.1
K22A	Casper	11.94	34	ePn	Pn	19 34 15.8 +2.1
K22A	Casper	11.94	34	P	Pn	19 34 16.1 +2.4
MCMT	McKenzie Canyo	11.95	9	ePn	Pn	19 34 20.4 +6.5
H17A	Grant Village	11.97	17	P	Pn	19 34 16.0 +1.8
I04A	Tendick Farm,	12.00	335	P	Pn	19 34 14.3 -0.2
KSCO	Keye Sheddock	12.02	57	P	Pn	19 34 15.9 +1.1
YMR	Madison River	12.14	16	ePn	Pn	19 34 21.5 +5.0
I05D	Terrebonne, OR	12.15	340	P	Pn	19 34 18.0 +1.6
YHB	Horse Butte	12.16	15	ePn	Pn	19 34 22.0 +5.2
I03D	Drain, OR	12.27	332	P	Pn	19 34 18.7 +0.8
YHH	Holmes Hill	12.28	16	ePn	Pn	19 34 23.5 +5.1
H04A	Detroit Lake	12.72	338	ePn	Pn	19 34 30.1 +5.8
H04D	Lebanon	12.76	336	P	Pn	19 34 22.8 -1.9
G06A	Carlson Farm,	12.79	344	ePn	Pn	19 34 30.6 +5.4
I02D	Swisshome	12.80	332	P	Pn	19 34 26.6 +1.2
BOZ	Bozeman (W)	12.89	12	ePn	Pn	19 34 30.8 +4.1
BOZ	Bozeman (W)	12.89	12	ePn	Pn	19 34 30.8 +4.1
BOZ	Bozeman (W)	12.89	12	P	Pn	19 34 27.4 +0.7
G05D	Wamic, OR	12.97	342	P	Pn	19 34 27.3 -0.4
LRM	Limekiln Ridge	12.98	10	ePn	Pn	19 34 33.5 +5.6
RLMT	Red Lodge	13.00	20	ePn	Pn	19 34 31.4 +3.2
RLMT	Red Lodge	13.00	20	P	Pn	19 34 28.9 +0.7
F07A	Phinny Hill Vi	13.27	347	ePn	P	19 34 36.3 -5.4
OGNE	Ogallala	13.35	50	P	Pn	19 34 34.9 +1.9
ABTX	Ablene, Hawle	13.37	87	ePn	Pn	19 34 35.4 +2.2
ABTX	Ablene, Hawle	13.37	87	P	Pn	19 34 34.0 +0.8
G03D	McMinnville, O	13.54	336	P	Pn	19 34 36.3 +0.9
E09A	Wood Farm, Sta	13.60	352	ePn	P	19 34 42.0 -3.4
F05D	White Salmon	13.61	342	P	Pn	19 34 36.8 +0.4
JCT	Junction City	13.63	97	ePn	Pn	19 34 37.1 +0.4
JCT	Junction City	13.63	97	ePn	Pn	19 34 37.1 +0.4
JCT	Junction City	13.63	97	P	Pn	19 34 36.2 -0.5
HAWA	Hanford	13.68	348	ePn	Pn	19 34 40.8 +3.5
MSO	Missoula	13.82	5	P	Pn	19 34 43.6 -4.3
MSO	Missoula	13.82	5	P	Pn	19 34 38.8 -0.6
WMOK	Wichita Mounta	14.02	78	ePn	Pn	19 34 43.7 +1.6
WMOK	Wichita Mounta	14.02	78	ePn	Pn	19 34 43.7 +1.6
WMOK	Wichita Mounta	14.02	78	P	Pn	19 34 41.6 -0.4
CBKS	Cedar Bluff	14.03	61	P	Pn	19 34 43.1 +0.9
F04D	Rainier, OR	14.23	338	P	Pn	19 34 46.0 +1.3
RSSD	Black Hills	14.24	36	ePn	Pn	19 34 44.8 -0.3
RSSD	Black Hills	14.24	36	ePn	Pn	19 34 44.8 -0.3
RSSD	Black Hills	14.24	36	P	Pn	19 34 45.6 +0.5
E04D	Cinebar	14.53	340	P	Pn	19 34 50.2 +1.4
R33A	Chapparral WMA,	14.66	104	P	Pn	19 34 50.6 -0.3
JTMT	Jette	14.71	3	ePn	Pn	19 34 55.2 -2.7
D04D	Lakebay	15.15	341	P	Pn	19 34 58.3 +1.0
NEW	Newport	15.25	356	Pn	Pn	19 35 02.1 -1.7

NEW	comp=N,0.3nm,0.3s,baz=175,slow=13,SNR=12			LR	LR	19 41 04.2
NEW	comp=N,5um,21.1s,baz=183,slow=38					19 35 00.7 -3.1
NEW	Newport	15.25	356	ePn	Pn	19 35 00.7 -3.1
NEW	Newport	15.25	356	ePn	Pn	19 34 57.4 -1.2
WHTX	Lake Whitney,	15.29	89	ePn	Pn	19 34 57.3 -1.9
WHTX	Lake Whitney,	15.29	89	Pn	Pn	19 34 59.4 +0.1
LAO	LASA Array	15.37	25	ePn	Pn	19 35 01.4 +1.1
LAO	LASA Array	15.37	25	P	Pn	19 34 59.9 -0.4
C06D	Leavenworth	15.40	346	P	P	19 35 02.6 -2.8
435B	Jarrell	15.41	94	ePn	Pn	19 35 02.3 +1.4
435B	Jarrell	15.41	94	P	Pn	19 34 59.6 -1.2
D03D	Eldon	15.56	341	P	P	19 35 04.2 -3.0
EGMT	Eagleton	15.59	15	ePn	P	19 35 05.2 -2.4
EGMT	Eagleton	15.59	15	P	Pn	19 35 03.5 +0.4
NLWA	Neilton Lookou	15.66	339	Pn	Pn	19 35 03.4 -0.7
B05A	Bryant	15.98	344	P	P	19 35 09.5 -2.4
WALG	Waterton Lakes	16.00	4	ePn	Pn	19 35 12.4 -0.3
BELGA	Belgrade	16.15	54	P	Pn	19 35 10.5 +0.1
KSUI	Kansas State U	16.44	63	ePn	Pn	19 35 15.0 +0.9
KSUI	Kansas State U	16.44	63	ePn	Pn	19 35 13.4 -0.7
TUL1	Leonard	16.53	75	P	Pn	19 35 14.8 -0.5
A04D	Lummi Island	16.56	343	P	P	19 35 16.1 -2.1
HKT	Hockley	17.08	95	ePn	Pn	19 35 21.4 -0.9
HKT	Hockley	17.08	95	ePn	Pn	19 35 21.4 -0.9
SUSD	Miller	17.19	44	P	P	19 35 24.9 -0.4
DGMT	Dagmar	17.61	26	ePn	Pn	19 35 28.1 -0.7
DGMT	Dagmar	17.61	26	P	Pn	19 35 29.3 -0.6
NATX	Nacogdoches	17.68	88	Pn	Pn	19 35 29.2 -0.5
NATX	Nacogdoches	17.68	88	P	Pn	19 35 28.4 -1.3
T38A	Diamond	17.84	71	P	Pn	19 35 31.7 0.0
X39A	Fountain Ranch	17.87	79	P	Pn	19 35 32.4 +0.2
Q37A	Longview Farm,	18.02	65	P	Pn	19 35 34.2 -0.3
W39A	Magazine	18.14	77	P	Pn	19 35 35.4 +0.1
N36A	Muff Farm, Cla	18.16	59	P	P	19 35 35.9 -0.1
LLLB	Lillooet	18.16	347	ePn	P	19 35 38.6 +2.6
S38A	Stockton	18.22	69	P	Pn	19 35 36.4 -0.2
ECSD	EROS Data Cent	18.23	49	ePn	Pn	19 35 35.8 -0.6
ECSD	EROS Data Cent	18.23	49	P	Pn	19 35 36.0 -0.5
P37A	Lathrop	18.26	63	P	Pn	19 35 36.7 -0.1
V39A	Pittigrew	18.27	75	Pn	Pn	19 35 36.6 -0.4
R38A	Fenwick Farm,	18.31	68	Pn	Pn	19 35 35.9 -1.6
MIAR	Mount Ida	18.31	79	ePn	P	19 35 38.7 +1.0
MIAR	Mount Ida	18.31	79	ePn	Pn	19 35 38.7 +1.0
MIAR	Mount Ida	18.31	79	P	Pn	19 35 36.2 -1.4
240A	Hunt Patters	18.39	87	P	Pn	19 35 36.1 -2.4
U39A	Green Forest	18.43	73	P	P	19 35 37.5 -1.5
140A	Carn and Jess,	18.46	85	P	Pn	19 35 39.6 +0.3
M36A	Felix, Anita	18.48	57	P	Pn	19 35 40.4 +0.8
Z40A	Long Farm, Mag	18.54	83	P	Pn	19 35 38.4 -1.8
O37A	Wolfen Farm, M	18.56	61	P	P	19 35 39.8 -0.6
T39A	Cleaver	18.57	71	P	P	19 35 39.5 -1.0
Y40A	Okolona	18.58	81	P	P	19 35 39.9 -0.8
Q38A	Cooks Store, C	18.67	65	P	P	19 35 41.0 -0.6
N37A	Lee Fennis, Mou	18.68	60	P	P	19 35 41.6 -0.2
S39A	Bolivar	18.69	69	ePn	Pn	19 35 43.4 +1.3
S39A	Bolivar	18.69	69	P	Pn	19 35 41.8 0.0
W40A	Ferguson Farm,	18.72	77	ePn	Pn	19 35 44.3 +1.8
W40A	Ferguson Farm,	18.72	77	P	Pn	19 35 41.4 -0.8
L36A	Harm Buss Farm	18.81	55	P	P	19 35 42.7 -0.5
P38A	Dawn	18.88	63	ePn	P	19 35 46.0 +1.5
P38A	Dawn	18.88	63	P	Pn	19 35 43.6 -0.3
X40A	Basin Creek Fa	18.93	79	ePn	P	19 35 42.3 -2.1

26d 19h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Level. Includes stations like H38A Maiden Rock, K40A Colesburg, U44A Portageville, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Level. Includes stations like N44A Piper City, W47A Westpoint, V47A Nunsally, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Level. Includes stations like Q49A Aurora, X51A Calhoun, W51A Cleveland, etc.

Table of astronomical objects with columns for object name, coordinates, magnitude, and other parameters. Includes objects like Santo Domingo, Kangerlussuaq, Puerto La Cruz, etc.

Table of astronomical objects with columns for object name, coordinates, magnitude, and other parameters. Includes objects like Permogore, Colim, Black Forest, etc.

Table of astronomical objects with columns for object name, coordinates, magnitude, and other parameters. Includes objects like HHC, HHC, HHC, etc.

ISCJB 26 19:33:00.1±0.3, 33°05'N, 02°11'57"W, h11km, 3km, Error ellipse: s-maj=3.3km s-min=2.4km az=157.7 NEIC 26 19:33:00.8±0.3, 33°02'N, 02°11'55"W, h14km, MW4.9(PAS), After PAS.

MEX 26 19:33:02.9±0.6, 33°19'N, 115°61'W, h17km, 999km, MD3.8 ECX 26 19:33:02.0±0.6, 33°03'N, 115°62'W, h4km, MD4.7, ML4.9 ISC 26 19:33:00.9±0.3, 33°03'N, 02°11'55"W, 0.02, h13km, 8km, n61, n132/81, 4C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes objects like COK, DREC, SWSC, ERPC, etc.

26d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Mohawk Valley, Parker Dam, Granite Mounta, San Pedro Mart, etc.

NEIC 26 19:33:59.0, 0.33°03N, 115°58W, h2km, ML3.5(PAS), After PAS., Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Camp Elliot, Mohawk Valley, Wickenburg, Pasadena Art C, etc.

ISCJBJ 26 19:35:50.7, 0.5, 33°03N, 115°57W, 0.03, h11km, 4km, Error ellipse: s-maj=6.0km s-min=3.4km az=168.3

NEIC 26 19:35:51.0, 0.33°03N, 115°51W, h6km, ML3.4(PAS), After PAS.

ISC 26 19:35:51.1, 1.1, 0.33°02N, 115°55W, 0.03, h14km, 9km, n23, r1513/31, Southern California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sam W. Stewart, In-Ko-Pah, Glamis, Monument Peak, Pinon Flats, Pion Flat, Pinyon Flats, Ford Ranch, Barrett, Blythe, Camp Elliot, etc.

DDA 26 19:36:44.5, 38°71N, 26°08E, h7km, ML2.6

ISCJBJ 26 19:36:45.6, 0.4, 38°72N, 0.02, 26°09E, 0.03, h6km, 4km, Error ellipse: s-maj=4.5km s-min=3.1km az=168.6

THE 26 19:36:45.5, 38°71N, 26°14E, h9km, 1km, ML1.9/4, Error ellipse: s-maj=2.0km s-min=0.5km az=271.0

ATH 26 19:36:45.3, 38°69N, 26°08E, h26km, 2km, ML2.0/5, Error ellipse: s-maj=3.2km s-min=1.3km az=273.0

ISK 26 19:36:45.2, 38°73N, 26°11E, h7km, ML2.6/4

ISC 26 19:36:44.4, 1.3, 38°71N, 0.02, 26°06E, 0.03, h9km, 11km, n31, r0577/50, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Chios island, Karaburun, Psara, FoSa, Sigr, etc.

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Table with columns: Sigr, Az, Phase ID, Time, Res. Includes stations like Sigr, UZL, Paraskevi, etc.

ISCJBJ 26 19:37:43.0, 0.5, 42°82N, 0°05', 145°03E, 0.04, h94km, 3km, mb3, 0.15, Error ellipse: s-maj=8.3km s-min=4.0km

MOS 26 19:37:43.4, 0.9, 42°77N, 145°07E, h102km, mb4, 1/10, Error ellipse: s-maj=14.8km s-min=8.4km az=76.3

JMA 26 19:37:44.8, 0.1, 42°87N, 145°01E, h87km, 1km, ML3.5

JMA Felt J1

ISC 26 19:37:44.9, 0.3, 42°84N, 144°98E, h95km, 19km, mb3, 7/12, mb1 3.7/14, mb1mx3.4/79, mbtmp4.0/14, Error ellipse: s-maj=26.6km s-min=25.5km az=151.0

SKHL 26 19:37:45.0, 0.2, 42°96N, 144°99E, h104km, 2km, mb4, 7/6, msh5, 2/6

ISC 26 19:37:44.2, 0.9, 42°81N, 0°06', 145°04E, 0.04, h87km, 6km, mb3, 0.8777/4, mb4, 0.15, 5C-1D, Hokkaido

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAK, NEM, JNK, ONB, GOL, etc.

ISCJBJ 26 19:40:12.7, 0.3, 32°96N, 0°02', 115°58W, 0.02, h15km, 2km, mb3, 0.2, Error ellipse: s-maj=3.1km s-min=2.7km az=0.6

NEIC 26 19:40:12.9, 0.0, 32°99N, 115°50W, h10km, mb4, 2/1, MM4, 3(PAS), After PAS.

NEIC Felt [III] at Chula Vista. Also felt at Palm Desert and San Diego. Felt at Somerton and Yuma, Arizona.

ISC 26 19:40:12.5, 2.0, 32°87N, 115°48W, h0km, mb4, 0/2, mb1 4.2/7, mb1mx3.7/73, mbtmp3.8/7, ML3.8/5, Error ellipse: s-maj=32.1km s-min=12.2km az=36.0

MEX 26 19:40:13.0, 0.5, 33°10N, 115°54W, h16km, 95km, MD4.2

ECX 26 19:40:13.0, 0.5, 33°01N, 115°63W, h10km, MD4.1, ML4.3

ISC 26 19:40:13.1, 0.8, 32°98N, 0°02', 115°59W, 0.02, h13km, 6km, n60, r1950/81, 8C-10D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cook Ranch, Sam W. Stewart, Desert Rsrch, etc.

Table with columns: SHO, Station Name, Az, Phase ID, Time, Res. Includes stations like Shikotan, Maruseppu, Urakawa-nobuka, etc.

ISCJBJ 26 19:40:12.7, 0.3, 32°96N, 0°02', 115°58W, 0.02, h15km, 2km, mb3, 0.2, Error ellipse: s-maj=3.1km s-min=2.7km az=0.6

NEIC 26 19:40:12.9, 0.0, 32°99N, 115°50W, h10km, mb4, 2/1, MM4, 3(PAS), After PAS.

NEIC Felt [III] at Chula Vista. Also felt at Palm Desert and San Diego. Felt at Somerton and Yuma, Arizona.

ISC 26 19:40:12.5, 2.0, 32°87N, 115°48W, h0km, mb4, 0/2, mb1 4.2/7, mb1mx3.7/73, mbtmp3.8/7, ML3.8/5, Error ellipse: s-maj=32.1km s-min=12.2km az=36.0

MEX 26 19:40:13.0, 0.5, 33°10N, 115°54W, h16km, 95km, MD4.2

ECX 26 19:40:13.0, 0.5, 33°01N, 115°63W, h10km, MD4.1, ML4.3

ISC 26 19:40:13.1, 0.8, 32°98N, 0°02', 115°59W, 0.02, h13km, 6km, n60, r1950/81, 8C-10D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cook Ranch, Sam W. Stewart, Desert Rsrch, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MBIG Mexicali, BC3 Big Chuckawall, BC3, MONP2 Monument Peak, MONP2, BAR Barrett, PFO Pinyon Flats O, PFO, FRD Ford Ranch, An, FRD, TJIG Tijuana, BELC Belle Mtn. Jos, CBX Cerro Bola, CBX, CBX, SDRC San Diego Road, Y12C Blythe, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, CPE Camp Elliot, MURC Murrieta, MURC, ECBX El Chintero, ECBX, SPIG San Pedro Mart, NEEZ Needles Airpor, Y14A Wickenburg, CIS Catalina Island, 214A Organ Pipe Nat, DECC Green Verdugo, EDW2 Edwards Air Fo, LRM Laurel Mtn Rad, DAC Darwin (Calif), X16A Lo Mia Camp, P, TUC Tucson, WUAZ Wupatki, X16A Snowflake, W18A Petrified Fore, NVAR Mina Array Bea, NVAR, ANMO Albuquerque, ANMO, ANMO, TXAR Lajitas Array, TXAR, PDAR Pinedale Array, NEW Newport, DLBC Dease Lake, DLBC, ILAR Eileson Array, IM3 Indian Moutai.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA, ASAR Alice Springs, ASAR, FITZ Fitzroy Crossi, BRTR Keskin Array B, MMAI Mount Meron Arr, GERES GERES Array B, DAVOX Davos/Dischmat.

ISCJB 26 19:43:40.2, 0.6, 33.05N, 0.04, 115.57W, 0.03, h7km, 4km, Error ellipse: s-maj=6.1km s-min=3.6km az=168.2 NEIC 26 19:43:41.2, 0.0, 33.02N, 115.54W, h4km, ML3.2(PAS), After PAS.

ISC 26 19:43:40.8, 1.0, 33.04N, 0.02, 115.55W, 0.02, h10km, 11km, n18, e08328, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SWSC Sam W. Stewart, IKP In-Ko-Pah, JAC, GLA Glamis, GLA, BC3 Big Chuckawall, BC3, MONP2 Monument Peak, MONP2, TPFO Pinon Flats, XPFO Pinyon Flats O, XPFO, PFO Pinyon Flats O, PFO, FRD Ford Ranch, An, BAR Barrett, Y12C Blythe.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Y12C Blythe, Y12C, IRM Iron Mountain, 109C Camp Elliot, M, CPE Camp Elliot, 113A Mohawk Valley, 113A.

ISCJB 26 19:50:13.8, 0.3, 33.02N, 0.02, 115.59W, 0.02, h11km, 3km, Error ellipse: s-maj=3.5km s-min=2.8km az=166.9 NEIC 26 19:50:14.8, 0.0, 33.00N, 115.58W, h8km, ML3.4(PAS), After PAS.

ECX 26 19:50:15.6, 0.4, 33.00N, 115.62W, h8km, MD3.2, ML3.4 ISC 26 19:50:14.1, 0.9, 33.01N, 0.02, 115.58W, 0.02, h14km, 8km, n46, e124/63, 5C, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SWSC Sam W. Stewart, SWSC, COK Cook Ranch, DREC Desert Rsrch C, ERPC Ernie Place, WESC Westside Schoo, CRR Carrizo Plain, SGL Mount Signal, YUH Yuha Desert, IKP In-Ko-Pah, JAC, IKP, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, CPE Camp Elliot, MURC Murrieta, MURC, ECBX El Chintero, ECBX, SPIG San Pedro Mart, NEEZ Needles Airpor, Y14A Wickenburg, CIS Catalina Island, 214A Organ Pipe Nat, DECC Green Verdugo, EDW2 Edwards Air Fo, LRM Laurel Mtn Rad, DAC Darwin (Calif), X16A Lo Mia Camp, P, TUC Tucson, WUAZ Wupatki, X16A Snowflake, W18A Petrified Fore, NVAR Mina Array Bea, NVAR, ANMO Albuquerque, ANMO, ANMO, TXAR Lajitas Array, TXAR, PDAR Pinedale Array, NEW Newport, DLBC Dease Lake, DLBC, ILAR Eileson Array, IM3 Indian Moutai.

ISCJB 26 19:58:16.4, 0.3, 33.04N, 0.02, 115.56W, 0.02, h12km, 2km, Error ellipse: s-maj=3.0km s-min=2.2km az=163.3 NEIC 26 19:58:17.3, 0.0, 33.02N, 115.54W, h9km, ML3.6(PAS), After PAS.

ECX 26 19:58:18.1, 0.6, 33.04N, 115.60W, h9km, MD3.4, ML3.6 ISC 26 19:58:15.9, 0.9, 33.04N, 0.02, 115.56W, 0.02, h14km, 8km, n50, e104/76, 6D, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SWSC Sam W. Stewart, SWSC, COK Cook Ranch, DREC Desert Rsrch C, ERPC Ernie Place, WESC Westside Schoo, CRR Carrizo Plain, SGL Mount Signal, YUH Yuha Desert, IKP In-Ko-Pah, JAC, IKP, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, CPE Camp Elliot, MURC Murrieta, MURC, ECBX El Chintero, ECBX, SPIG San Pedro Mart, NEEZ Needles Airpor, Y14A Wickenburg, CIS Catalina Island, 214A Organ Pipe Nat, DECC Green Verdugo, EDW2 Edwards Air Fo, LRM Laurel Mtn Rad, DAC Darwin (Calif), X16A Lo Mia Camp, P, TUC Tucson, WUAZ Wupatki, X16A Snowflake, W18A Petrified Fore, NVAR Mina Array Bea, NVAR, ANMO Albuquerque, ANMO, ANMO, TXAR Lajitas Array, TXAR, PDAR Pinedale Array, NEW Newport, DLBC Dease Lake, DLBC, ILAR Eileson Array, IM3 Indian Moutai.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RMX BC3 Big Chuckawall, BC3, CPBX Cerro Prieto, CPBX, MONP2 Monument Peak, MONP2, XPFO Pinyon Flats O, XPFO, PFO Pinyon Flats O, PFO, FRD Ford Ranch, An, FRD, BAR Barrett, BAR, BAR, BAR, BELC Belle Mtn. Jos, BELC, Y12C Blythe, Y12C, Y12C, IRM Iron Mountain, IRM, CBX Cerro Bola, CBX, CBX, SDRC San Diego Road, SDRC, 109C Camp Elliot, M, CPE Camp Elliot, MURC Murrieta, MURC, 113A Mohawk Valley, 113A, PDMCI Parker Dam, Lak, GMRC Granite Mounta, Y14A Wickenburg, MWC Mount Wilson, TUC Turquoise Moun, CIS Catalina Island, CIS, PASC Pasadena Art C, GSC Goldstone, Bar, 214A Organ Pipe Nat, EDW2 Edwards Air Fo, OSI Osito Audit, C, MPMC Manual Propsec, DAC Darwin (Calif), X16A Lo Mia Camp, P, TUC Tucson, U15A North Rim, LCMT Little Creek M, R11A Rhy Canyon, C, 121A Cookes Peak, D.

ISCJB 26 20:14:45.6, 0.3, 32.98N, 0.02, 115.58W, 0.02, h21km, 4km, Error ellipse: s-maj=3.7km s-min=2.9km az=163.3 NEIC 26 20:14:45.9, 0.0, 32.99N, 115.58W, h9km, ML3.0(PAS), After PAS.

ECX 26 20:14:46.2, 0.5, 33.04N, 115.61W, h8km, MD2.8, ML3.0 ISC 26 20:14:45.3, 0.9, 32.98N, 0.02, 115.57W, 0.02, h19km, 2km, n41, e086/65, 3C-11D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like COK Cook Ranch, SWSC Sam W. Stewart, SWSC, DREC Desert Rsrch C, ERPC Ernie Place, WESC Westside Schoo, WESC, CRR Carrizo Plain, SGL Mount Signal, YUH Yuha Desert, IKP In-Ko-Pah, JAC, IKP, IRM Iron Mountain, IRM, 109C Camp Elliot, M, 109C, CPE Camp Elliot, MURC Murrieta, MURC, 113A Mohawk Valley, 113A, Y14A Wickenburg, MWC Mount Wilson, PASC Pasadena Art C, W18A Hupai Mount, 214A Organ Pipe Nat, SHPR Sheep Range, DAC Darwin (Calif), X16A Lo Mia Camp, P, TUC Tucson, SZCU Shurtz Canyon.

26d 20h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cerro Bola, Blythe, Iron Mountain, Camp Elliot, etc.

NNC 26:20:14.51.8.3.5,54.39N,86.06E,h0km,mb3.8,mpv3.2, ... Error ellipse: s-maj=26.1km s-min=19.1km ...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zalesovo Array, Kurchatov, Kurchatov Arra, Makanchi Array, etc.

ISCJB 26:20:16.41.9.0.4,33.05N,0.03,115.56W,0.03,h10km,4km, ... Error ellipse: s-maj=4.6km s-min=3.4km az=144.7

ECX 26:20:16.42.5.0.3,33.03N,115.57W,h4km,ML3.0, ... Error ellipse: s-maj=3.5km s-min=2.4km az=156.8

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sam W. Stewart, Cook Ranch, DRESC, etc.

ISCJB 26:20:16.52.9.0.5,33.02N,0.03,115.58W,0.02,h7km,4km, ... Error ellipse: s-maj=6.1km s-min=3.3km az=176.5

ISC 26:20:16.53.3.1.0,32.97N,0.04,115.58W,0.02,h9km,9km, ... Error ellipse: s-maj=3.0km s-min=1.9km az=157.0

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Glamis, Monument Peak, Piñon Flats, etc.

TIF 26:20:24.22.9.41.34N,43.92E,h15km,1km ... Error ellipse: s-maj=6.4km s-min=3.1km az=150.6

ISCJB 26:20:24.23.5.0.5,41.32N,0.03,43.90E,0.03,h4km,5km, ... Error ellipse: s-maj=3.0km s-min=1.9km az=157.0

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Error ellipse: s-maj=5.4km s-min=3.3km az=154.4 ... DDA 26:20:24.23.2.41.32N,43.89E,h7km,ML2.6

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Bogdanovka, Trialeti, Akhalkalaki, etc.

ISCJB 26:20:31.12.6.0.4,33.05N,0.03,115.57W,0.03,h9km,5km, ... Error ellipse: s-maj=6.4km s-min=3.1km az=150.6

ECX 26:20:31.14.0.0.4,33.03N,115.57W,h4km,MD2.9,ML3.1, ... Error ellipse: s-maj=3.0km s-min=1.9km az=157.0

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sam W. Stewart, Cook Ranch, DRESC, etc.

ISCJB 26:20:37.38.6.0.6,50.47N,0.02,2.20W,0.04,h13km,4km, ... Error ellipse: s-maj=4.8km s-min=3.0km az=173.7

ISC 26:20:37.38.6.1.1,50.55N,0.02,2.26W,0.03,h13km,10km, ... Error ellipse: s-maj=3.0km s-min=1.9km az=157.0

26d 20h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ISCO Idaho Springs, HPIC Sierra La Lagu, K05A Sumner Lake, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like WHTX Lake Whitney, ZAIG Zacatecas, LAO LASA Array, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like L37A Phoenix Point, V41A Mountainview, J36A Seneca 1, etc.

BBB	Bella Bella	21.20	338	eP	P	21 02 45.3	+0.8	R45A	Skyfar, Fairfri	22.73	69	P	P	21 03 01.0	-0.1	BRAL	comp=Z,8um,21.0s	LR	LR				
L40A	Anamosa	21.24	58	eP	P	21 02 46.7	+1.7	E38A	The Farm, Brul	22.77	46	eP	P	21 03 02.1	+0.7	BRAL	Brewton	24.19	87	P	P	21 03 14.6	-1.1
L40A	Anamosa	21.24	58	eP	P	21 02 43.8	-1.2	E38A	The Farm, Brul	22.77	46	eP	P	21 03 01.5	+0.1	G42A	Mountain	24.19	52	eP	P	21 03 15.9	+0.3
SLM	Saint Louis	21.24	68	eP	P	21 02 46.6	+1.6	E42A	Prairie Point,	22.77	57	P	P	21 03 00.7	-0.8	G42A	Mountain	24.19	52	eP	P	21 03 13.6	-2.0
SLM	Saint Louis	21.24	68	eP	P	21 02 46.7	+1.6	Y46A	Holladay	22.77	75	P	P	21 03 01.4	-0.2	Q47A	Bedord North L	24.23	68	P	P	21 03 16.6	+0.6
S43A	Fulton Ridge,	21.26	71	P	P	21 02 43.7	-1.6	I41A	Arkdale	22.82	54	eP	P	21 03 02.3	+0.4	N46A	Montello	24.25	63	P	P	21 03 14.2	-2.0
P42A	Winchester	21.30	65	eP	P	21 02 47.0	+1.2	I41A	Arkdale	22.82	54	P	P	21 03 00.1	-1.8	Z49A	Columbiana	24.28	82	P	P	21 03 15.2	-1.3
P42A	Winchester	21.30	65	eP	P	21 02 43.9	-1.9	O44A	Mansfield	22.82	64	P	P	21 03 01.8	-0.3	WCI	Wyandotte Cave	24.29	69	eP	P	21 03 16.2	-0.3
J39A	Decorah	21.31	54	P	P	21 02 43.4	-2.5	PLAL	Pickwick Lake	22.84	77	eP	P	21 03 03.2	+0.9	WCI	Wyandotte Cave	24.29	69	eP	P	21 03 16.2	-0.3
V44A	Blytheville	21.33	75	P	P	21 02 44.1	-1.9	F39A	Loretta	22.85	49	P	P	21 03 02.0	-0.3	WCI	Wyandotte Cave	24.29	69	eP	P	21 03 16.2	-0.3
SPMN	Marine on St.	21.36	49	eP	P	21 02 47.5	+1.1	Q45A	Warren Harvey,	22.89	67	P	P	21 03 02.6	-0.1	WCI	Wyandotte Cave	24.29	69	eP	P	21 03 15.8	-0.7
SPMN	Marine on St.	21.36	49	P	P	21 02 44.6	-1.7	347A	Saraland	22.89	87	P	P	21 03 01.9	-0.9	Y49A	Blount Mountai	24.30	80	P	P	21 03 16.3	-0.4
W44A	Shelby Farms P	21.41	77	P	P	21 02 44.5	-2.3	147A	Livingston	22.90	83	eP	P	21 03 08.0	+5.1	X49A	Woodville	24.31	78	P	P	21 03 16.2	-0.6
R43A	Red Bud	21.44	69	P	P	21 02 47.4	+0.2	147A	Livingston	22.90	83	eP	P	21 03 02.6	-0.3	W49A	Belvidere	24.31	77	P	P	21 03 16.0	-0.8
H38A	Maiden Rock	21.45	50	P	P	21 02 46.9	-0.4	OLIL	Olney	22.91	68	eP	P	21 03 04.0	+1.0	E41A	Kenton	24.31	49	P	P	21 03 15.6	-1.1
K40A	Colesburg	21.49	56	P	P	21 02 46.7	-1.0	447A	Lucedale	22.92	88	P	P	21 03 02.3	-0.9	H43A	Windswept, Lux	24.37	54	P	P	21 03 14.8	-2.4
U44A	Portageville	21.51	73	P	P	21 02 47.4	-0.6	T46A	Princeton	22.96	72	P	P	21 03 02.1	-1.4	P47A	Martinsville	24.41	66	P	P	21 03 17.5	-0.2
445A	Amite	21.52	89	P	P	21 02 46.6	-1.6	Z47A	Carrollton	23.00	82	P	P	21 03 03.2	-0.7	S48A	Wiedeman Farm,	24.45	71	P	P	21 03 17.2	-0.8
145A	Houston Renfro	21.53	84	P	P	21 02 46.3	-2.0	WVT	Waverly	23.00	75	eP	P	21 03 07.4	+3.5	CMIG	Matias Romero	24.47	125	P	P	21 03 18.9	+0.5
M41A	Milan	21.54	60	P	P	21 02 47.7	-0.6	WVT	Waverly	23.00	75	eP	P	21 03 03.3	-1.3	CMIG	comp=Z,4.0nm,0.8s,baz=331,slow=14,SNR=3.1	LR	LR	21 13 35.0			
T44A	Benton	21.61	72	P	P	21 02 48.8	-0.2	G40A	Rib Lake	23.04	51	eP	P	21 03 04.7	+0.4	O47A	Sheridan	24.57	65	P	P	21 03 19.4	+0.2
O42A	Bath	21.61	63	P	P	21 02 48.7	-0.4	G40A	Rib Lake	23.04	51	P	P	21 03 03.0	-1.3	V49A	McMinnville	24.58	75	P	P	21 03 19.2	0.0
645A	Chauvin	21.62	93	P	P	21 02 49.2	-0.1	L43A	Garden Prairie	23.05	59	P	P	21 03 03.2	-1.1	SWET	Sewanee	24.58	77	eP	P	21 03 24.9	+5.7
I39A	Houston	21.63	53	eP	P	21 02 55.7	+6.5	X47A	Russelville	23.05	79	P	P	21 03 03.5	-0.9	M46A	Old House Fiel	24.62	62	eP	P	21 03 18.7	+2.2
I39A	Houston	21.63	53	P	P	21 02 48.0	-1.2	J42A	Columbus	23.09	56	P	P	21 03 03.9	-0.9	M46A	Old House Fiel	24.62	62	P	P	21 03 18.7	-0.8
Z45A	Winona	21.63	82	P	P	21 02 47.9	-1.4	Y47A	UCPARC, Winfie	23.11	80	P	P	21 03 03.6	-1.4	R48A	Northridge Ran	24.63	69	P	P	21 03 18.7	-0.9
245A	Little AP, Sta	21.64	86	P	P	21 02 49.0	-0.5	S46A	Dotlixon Farm	23.13	71	P	P	21 03 03.9	-1.4	U49A	Red Boiling Sp	24.66	74	P	P	21 03 16.9	-3.0
345A	Thompson Farm,	21.66	88	P	P	21 02 49.0	-0.7	H41A	Junction City	23.16	52	eP	P	21 03 05.7	+0.2	450A	Crestview	24.66	87	P	P	21 03 17.9	-2.1
F37A	Hinrichs Farm,	21.70	48	P	P	21 02 50.0	0.0	H41A	Junction City	23.16	52	P	P	21 03 04.3	-1.2	250A	Grady	24.69	84	P	P	21 03 17.0	-3.2
Q43A	New Douglas	21.70	67	P	P	21 02 49.0	-1.1	N44A	Pipe City	23.19	63	P	P	21 03 04.5	-1.3	G43A	Wallace	24.69	52	P	P	21 03 18.1	-2.0
Y45A	Yeager Farm, C	21.70	81	P	P	21 02 50.0	-0.1	W47A	Westpoint	23.22	77	P	P	21 03 03.8	-2.4	350A	Dozier	24.74	86	P	P	21 03 19.9	-0.8
L41A	Preston	21.76	58	P	P	21 02 50.3	-0.3	V47A	Nunnely	23.26	75	P	P	21 03 03.9	-2.7	Q48A	North Vernon	24.77	68	P	P	21 03 19.3	-1.6
OXF	Oxford	21.77	79	eP	P	21 02 51.2	+0.4	E39A	Mellen	23.28	48	P	P	21 03 11.7	+4.9	Z50A	Ashland	24.78	81	eP	P	21 03 24.4	+3.4
OXF	Oxford	21.77	79	eP	P	21 02 51.2	+0.4	P45A	Graceland, Par	23.28	66	eP	P	21 03 05.9	-0.9	Z50A	Ashland	24.78	81	P	P	21 03 18.9	-2.1
OXF	Oxford	21.77	79	eP	P	21 02 50.5	-0.3	P45A	Graceland, Par	23.28	66	P	P	21 03 04.6	-2.6	150A	Eclectic	24.79	83	P	P	21 03 18.7	-2.4
OXF	Oxford	21.77	79	P	P	21 02 49.3	-1.6	R46A	Gibson Southern	23.33	69	P	P	21 03 04.5	-3.0	D41A	Chassel	24.81	48	P	P	21 03 18.3	-2.9
U44B	Burton Farm, H	21.78	74	P	P	21 02 51.0	+0.1	F40A	Park Falls	23.36	49	P	P	21 03 08.2	+0.6	C40A	Isle Royale Na	24.83	45	P	P	21 03 20.5	-0.8
N42A	Yates City	21.78	62	P	P	21 02 49.4	-1.6	M44A	Midewin, Midew	23.37	61	eP	P	21 03 05.7	-2.0	T49A	Edmonton	24.85	72	eP	P	21 03 23.9	+2.2
X45A	UM Field Stati	21.79	79	P	P	21 02 49.4	-1.6	M44A	Midewin, Midew	23.37	61	P	P	21 03 07.1	-0.9	T49A	Edmonton	24.85	72	P	P	21 03 21.1	-0.6
A33A	Warroad	21.90	38	P	P	21 02 50.0	-2.1	O45A	Potomac	23.40	64	P	P	21 03 06.4	-1.7	Y50A	Piedmont	24.86	80	P	P	21 03 20.2	-1.5
S44A	Carbondale	21.91	70	P	P	21 02 51.0	-1.4	Z48A	Northport	23.41	81	P	P	21 03 08.4	+0.4	X50B	Fort Payne	24.87	78	P	P	21 03 19.9	-1.9
W45A	Hickory Valley	21.92	77	P	P	21 02 50.3	-2.2	I42A	Draeger Farm,	23.41	55	eP	P	21 03 05.8	-2.3	E42A	Champion	24.97	49	P	P	21 03 21.6	-1.1
G38A	Ridgeland	21.94	50	P	P	21 02 52.4	-0.1	I42A	Draeger Farm,	23.41	55	P	P	21 03 13.5	+5.2	P48A	Milroy	25.06	67	P	P	21 03 21.7	-1.8
P43A	Skaggs, Pawnee	21.94	65	P	P	21 02 50.9	-1.7	348A	Jackson	23.43	86	eP	P	21 03 08.5	+0.2	S49A	Springfield	25.06	71	P	P	21 03 21.7	-1.8
SIUC	Southern Ilin	21.95	70	eP	P	21 02 54.5	+1.8	348A	Jackson	23.43	86	P	P	21 03 07.7	-0.8	W50A	Signal Mountai	25.09	77	eP	P	21 03 27.2	+3.3
J40A	Southern Grove	22.00	55	P	P	21 02 52.3	-0.9	U47A	Clarksville	23.44	74	P	P	21 03 08.6	+0.2	W50A	Signal Mountai	25.09	77	P	P	21 03 20.6	-3.2
K41A	Shullsburg	22.05	57	P	P	21 02 53.2	-0.5	EYMN	Ely	23.46	44	LR	LR	21 03 20.0	+1.1	R49A	Shelbyville	25.17	69	P	P	21 03 23.8	-0.7
V45A	Humboldt	22.09	76	P	P	21 02 53.2	-1.0	EYMN	Ely	23.46	44	P	P	21 03 06.8	-1.7	F43A	Flat Rock, Esc	25.23	51	P	P	21 03 22.8	-2.2
R44A	Watsonville	22.10	69	P	P	21 02 53.3	-1.0	K43A	Burlington	23.47	58	eP	P	21 03 09.8	+1.2	V50A	Pikeville	25.25	75	P	P	21 03 23.6	-1.5
H39A	Augusta	22.10	51	P	P	21 02 54.3	-0.1	K43A	Burlington	23.47	58	P	P	21 03 08.6	-0.4	O48A	Farmland	25.35	65	P	P	21 03 25.5	-0.7
346A	Big Creek Wild	22.12	87	P	P	21 02 53.9	-0.7	148A	Greensboro	23.49	83	P	P	21 03 08.5	-0.7	351A	Pinckard	25.38	86	P	P	21 03 26.3	-0.1
M42A	Sheffield	22.13	60	P	P	21 02 53.3	-1.3	Q46A	CEJHS Indians,	23.52	67	P	P	21 03 08.6	-1.0	151A	Opelika	25.38	83	P	P	21 03 25.7	-0.7
JFWS	Jewell Farm	22.18	56	eP	P	21 02 55.0	-0.2	448A	Bay Minette	23.56	88	P	P	21 03 13.3	+3.4	251A	Midway	25.39	84	P	P	21 03 26.3	-0.2
JFWS	Jewell Farm	22.18	56	eP	P	21 02 55.0	-0.2	T47A	Sharon Grove	23.59	72</												

26d 20h

Table with columns for flight ID, destination, time, status, and other details. Includes flights like Q51A, L49A, E45A, etc.

2012 AUG

Table with columns for flight ID, destination, time, status, and other details. Includes flights like BCP1, PAYV, RES, etc.

1220

Table with columns for flight ID, destination, time, status, and other details. Includes flights like ARCES, KEV, ESK, etc.

26d 22h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various stations like GMRC, HEC, BFSC, etc.

ISCJB 26 21:17:26.0±0.4, 32.97N±0.03±1.15; 61W±0.03, h25km, 5km, Error ellipse: s-maj=5.0km s-min=3.0km az=151.9

NEIC 26 21:17:26.7±0.0, 33.00N±0.03±1.15; 64W±0.03, h13km, 9(PAS), After PAS.

ECX 26 21:17:27.0±0.6, 33.01N±1.15; 67W, h9km, MD3.7, ML3.8

ISC 26 21:17:26.4±1.0, 33.00N±0.03±1.15; 64W±0.03, h18km, 5km, n31, n1507/41, 2C-6D, Southern California

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like SWSC, COK, DREC, etc.

2012 AUG

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like MONP2, BC3, GLA, etc.

ISCJB 26 21:23:23.1±0.4, 33.00N±0.03±1.15; 60W±0.03, h8km, 4km, Error ellipse: s-maj=4.6km s-min=3.2km az=148.9

NEIC 26 21:23:23.9±0.0, 32.99N±1.15; 58W, h4km, ML3.6(PAS), After PAS.

ECX 26 21:23:24.6±0.5, 32.99N±1.15; 61W, h4km, MD3.4, ML3.6

MEX 26 21:23:25.1±0.5, 32.92N±1.15; 40W, h16km, MD4.0

ISC 26 21:23:23.1±0.5, 32.92N±1.15; 54W±0.02, h15km, 4km, n45, n1925/40, 2C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like DREC, COK, ERPC, etc.

ISCJB 26 21:26:38.9±0.4, 33.04N±0.02±1.15; 53W±0.02, h11km, 3km, Error ellipse: s-maj=4.1km s-min=3.1km az=151.9

NEIC 26 21:26:39.0±0.0, 33.03N±1.15; 53W, h8km, ML3.8(PAS), After PAS.

NEIC Felt Erawan and India

ECX 26 21:26:40.2±0.6, 33.07N±1.15; 57W, h8km, MD3.6, ML3.8

ISC 26 21:26:38.3±1.0, 33.00N±0.02±1.15; 54W±0.02, h10km, 9km, n41, n183/61, 7C-7D, Southern California

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like SWSC, DREC, ERPC, etc.

1222

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like IKP, RMX, CPBX, etc.

ISCJB 26 21:42:49.8±0.6, 33.02N±0.03±1.15; 54W±0.03, h11km, 4km, Error ellipse: s-maj=4.9km s-min=3.5km az=171.0

NEIC 26 21:42:51.0±0.0, 33.01N±1.15; 54W, h3km, ML2.9(PAS), After PAS.

ISC 26 21:42:50.3±1.0, 33.01N±0.03±1.15; 56W±0.02, h15km, 9km, n20, n194/35, Southern California

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like SWSC, IKP, GLA, etc.

ISCJB 26 21:42:49.8±0.6, 33.02N±0.03±1.15; 54W±0.03, h11km, 4km, Error ellipse: s-maj=4.9km s-min=3.5km az=171.0

NEIC 26 21:42:51.0±0.0, 33.01N±1.15; 54W, h3km, ML2.9(PAS), After PAS.

ISC 26 21:42:50.3±1.0, 33.01N±0.03±1.15; 56W±0.02, h15km, 9km, n20, n194/35, Southern California

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like SWSC, IKP, GLA, etc.

MAN 26 21:48:57.2, 7.79N±1.26; 50E, h1km, mb4.6, ML3.5, MS3.4, 3C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists stations like BIPH, MATI, BUKP, etc.

ISCJB 26 22:01:57.6±0.5, 33.03N±0.03±1.15; 57W±0.02, h6km, 3km, Error ellipse: s-maj=4.8km s-min=3.0km az=169.6

NEIC 26 22:01:59.4±0.0, 33.02N±1.15; 55W, h10km, ML2.9(PAS), After PAS.

ISC 26 22:01:58.5±1.0, 33.02N±0.03±1.15; 57W±0.02, h12km, 8km, n29, n096/46, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLA Glamis, BC3 Big Chuckwall, MONP2 Monument Peak, etc.

ISCJB 26 22:34:50.8±0.7, 13.85N±0.07, 91.64W±0.05, h63km±5km, mb4.2/21, Error ellipse: s-maj=12.8km s-min=-3.7km az=30.9

CASC 26 22:34:52.7±2.4, 14.97N±91.15W, h33km±237km, ML3.7, mb4.2(NEIC)

NEIC 26 22:34:53.1±0.8, 13.91N±91.55W, h64km±6km, mb4.2/20, Error ellipse: s-maj=12.6km s-min=-5.9km az=213.0

IDC 26 22:34:54.2±2.6, 14.03N±91.58W, h67km±16km, mb3.9/7, mb1.4/1.0, mb1mx3.6/5.5, mbmp4.2/1.0, Error ellipse: s-maj=37.5km s-min=15.0km az=24.0

ISC 26 22:34:51.5±1.0, 13.77N±0.08, 91.68W±0.05, h62km±8km, n73, ±150/85, mb4.2/21, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IXG Ixpaco, THIG THIG, APG El Apazote, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MGAN Managua, MATN Matagalpa, BOAB BOACO BROADBANK, etc.

ISCJB 26 22:52:08.4±0.3, 33.01N±0.02, 115.60W±0.02, h8km±3km, Error ellipse: s-maj=3.3km s-min=-2.5km az=156.2

NEIC 26 22:52:09.6±0.0, 33.00N±115.59W, h10km, ML3.4(PAS), After PAS.

MEX 26 22:52:10.2±0.6, 33.12N±115.53W, h31km±31km, MD3.5, Error ellipse: s-maj=5.2/10.1±0.5, 33.00N±115.60W, h12km, MD2.8, ML3.0

ISC 26 22:52:09.5±0.8, 32.98N±0.02, 115.60W±0.02, h15km±6km, n64, ±127/90, 5C-6D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COK Cook Ranch, SWSC Sam W. Stewart, DREC Desert Resrch C, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Y12C Blythe, Y12C Blythe, Y12C Blythe, etc.

ISCJB 26 22:58:40.2±0.3, 33.00N±0.02, 115.57W±0.02, h4km±3km, Error ellipse: s-maj=3.1km s-min=-2.3km az=173.6

IDC 26 22:58:40.1±1.9, 32.77N±115.61W, h0km, mb3.7/2, mb1.3/9.7, mb1mx3.6/7.3, mbmp3.5/7, ML3.7/5, MS3.3/12, Ms1.3/3.12, mb1mx3.1/6.8, Error ellipse: s-maj=31.9km s-min=10.9km az=35.0

NEIC 26 22:58:41.9±0.0, 32.99N±115.59W, h5km, MW4.3(PAS), After PAS.

NEIC Felt [V] at Brawley, IIII] at El Centro and III] at San Diego. Also felt at Aliso Viejo, Chula Vista and Laguna Woods. Felt at Parker, Arizona and at Primo Tapia and Puebla, Baja California.

ECX 26 22:58:41.9±0.7, 33.04N±115.62W, h4km, MD4.1, ML4.3, ISC 26 22:58:42.9±0.7, 32.94N±0.02, 115.59W±0.02, h12km±5km, n120, ±197/134, MS3.2/7, 5C-9D, California-Baja California border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COK Cook Ranch, SWSC Sam W. Stewart, ERPC Ernie Place, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IRM Iron Mountain, 109C Camp Elliot, etc.

NNC 26 23:01:35.8; 6.0, 44.19N; 83.85E, h0km, mb2.7, mpv2.4, Error ellipse: s-maj=61.1km s-min=30.0km az=130.0

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

SOME 26 23:01:47.3, 44.47N; 82.77E, h10km

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like FITZ, UGM, PMG, etc.

WAKE ISLAND HY 40.79 63 T 23 57 37.6

26d 23h

Table of station data for 26d 23h, including call signs like HHC, HHL, HKB, and various parameters such as frequency, power, and coordinates.

2012 AUG

Table of station data for 2012 AUG, including call signs like KURBB, KBL, KKB, and various parameters such as frequency, power, and coordinates.

1226

Table of station data for 1226, including call signs like OBN, ANN, INK, and various parameters such as frequency, power, and coordinates.

ADC 26 23:12:45.4z.0.28:09S:176:68W, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.7/45, mbtmp4.0/3, Error ellipse: s-maj=65.9km s-min=23.3km az=132.0

NEIC 26 23:12:46.0z.0.6.28:20S:176:54W, h10km, mb4.3/8, Error ellipse: s-maj=17.0km s-min=10.2km az=115.0

ISCJB 26 23:12:47.8z.0.9.28:14S:0:09:176:5W.0.1, h37km, mb4.2/10, Error ellipse: s-maj=19.8km s-min=9.2km

ISC 26 23:12:49.7z.0.9.28:2S:0:1:176:5W.0.1, h37km, n18, c073/19, mb4.1/10, Kermadec Islands region

Table of station data for the Kermadec Islands region, including call signs like RAO, AFO, AFI, FUN, CUA, PMG, ASAR, WRAB, WRA, SBA, FITZ, CASY, MBWA, QSPA, and various parameters.

ADC 26 23:15:45.4z.10.0.20:59N:120:59E, h0km, mb3.7/3, mb3.7/3, mb1mx3.2/72, mbtmp3.7/3, Error ellipse: s-maj=35.7km s-min=17.2km az=36.0, Philippine Islands region

Table of station data for the Philippine Islands region, including call signs like MKAR, ZALV, FINES and various parameters.

CASC 26 23:17:07.3z.0.8.11:74N:88:39W, h15km, 105km, ML2.6, mb4.3(NEIC)

ISCJB 26 23:17:09.0z.0.8.11:95N:0:08:88:36W.0.05, h35km, mb4.3/24, Error ellipse: s-maj=13.2km s-min=4.2km az=25.5

ADC 26 23:17:09.5z.1.8.12:33N:87:98W, h0km, mb3.8/3, mb1 4.1/5, mb1mx3.6/51, mbtmp3.8/5, ML3.1/3, Error ellipse: s-maj=60.3km s-min=21.1km az=39.0

NEIC 26 23:17.1z.8.0.8.12:11N:88:17W, h56km, 6km, mb4.3/25, Error ellipse: s-maj=7.1km s-min=1.1km az=209.0

ISC 26 23:17:12.4z.0.9.12:02N:0:07:88:30W.0.07, h35km, n146, c1830/146, mb4.3/24, Off coast of central America

Table of station data for the Off coast of central America region, including call signs like CSGN, ESTN, TGUH, and various parameters.

26d 23h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PKM Mcpherson Peak, CWC Cottonwood Cre, TUC Tucson, GRAC Grapevine Rang, etc.

2012 AUG

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like REDW Red Top Meadow, TPWV Teton Pass, FWHY Fox Creek, etc.

1228

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like 141A Papa Simpson, Z41A Richland Creek, O38A Gal, etc.

1229 2012 AUG 26d 23h

J39A	Decorah	21.35	54	P	P	23 38 11.7	-0.8
SPMN	Marine on St.	21.40	49	eP	P	23 38 14.5	+1.5
SPMN	Marine on St.	21.40	49	P	P	23 38 13.0	0.0
R43A	Red Bud	21.47	69	P	P	23 38 11.8	-2.0
H38A	Malden Rock	21.49	50	P	P	23 38 13.0	-1.0
K40A	Colesburg	21.53	56	P	P	23 38 13.2	-1.3
145A	Houston Renfro	21.55	84	P	P	23 38 14.5	-0.3
M41A	Milan	21.57	60	P	P	23 38 13.9	-1.0
T44A	Benton	21.64	72	P	P	23 38 13.8	-1.8
O42A	Bath	21.65	63	P	P	23 38 15.4	-0.3
Q43A	New Douglas	21.73	67	P	P	23 38 16.5	-0.2
F37A	Hirichs Farm,	21.74	48	P	P	23 38 16.6	0.0
L41A	Preston	21.79	58	P	P	23 38 16.0	-1.2
OXF	Oxford	21.79	79	eP	P	23 38 18.8	+1.4
OXF	Oxford	21.79	79	P	P	23 38 16.5	-0.8
N42A	Yates City	21.82	62	P	P	23 38 17.2	-0.3
A33A	Warroad	21.94	38	P	P	23 38 17.4	-1.3
S44A	Carbondale	21.95	70	P	P	23 38 18.0	-0.9
P43A	Skaggs, Pawnee	21.97	65	P	P	23 38 18.2	-1.0
G38A	Ridgeland	21.97	50	P	P	23 38 18.5	-0.7
SIUC	Southern Illin	21.98	70	eP	P	23 38 20.0	+0.7
J40A	Soldiers Grove	22.03	55	P	P	23 38 19.9	+0.1
K41A	Shullsburg	22.08	57	P	P	23 38 19.3	-1.1
R44A	Waltonville	22.13	69	P	P	23 38 20.4	-0.5
H39A	Augusta	22.14	51	P	P	23 38 20.4	-0.6
M42A	Sheffield	22.16	60	P	P	23 38 20.5	-0.7
JFWS	Jewell Farm	22.22	56	eP	P	23 38 22.9	+1.1
JFWS	Jewell Farm	22.22	56	P	P	23 38 21.3	-0.5
O43A	Sugar Creek Fa	22.24	63	P	P	23 38 21.1	-1.0
Q44A	Meyer Farm, Va	22.25	67	P	P	23 38 21.0	-1.3
I40A	Norwalk	22.29	54	P	P	23 38 20.8	-1.8
Y46A	Hopstad	22.30	80	P	P	23 38 21.3	-1.5
HDIL	Hopedale	22.31	63	eP	P	23 38 23.0	+0.5
HDIL	Hopedale	22.31	63	P	P	23 38 21.6	-1.2
F38A	Pierce - Schro	22.31	48	P	P	23 38 23.6	+0.8
L42A	Oliver, Polo	22.37	59	eP	P	23 38 24.0	+0.6
L42A	Oliver, Polo	22.37	59	P	P	23 38 22.7	-0.7
G39A	Holcombe	22.46	50	P	P	23 38 23.2	-1.3
X46A	Boonville	22.47	79	P	P	23 38 23.5	-1.1
N43A	Stutzman Famil	22.48	62	P	P	23 38 23.9	-0.7
S45A	Carrier Mills	22.48	70	P	P	23 38 24.3	-0.4
J41A	Loganville	22.52	55	P	P	23 38 24.2	-0.9
ULM	Lac du Bonnet	22.56	34	eP	P	23 38 25.7	+0.3
ULM	Lac du Bonnet	22.56	34	P	P	23 38 26.1	+0.7
H40A	Chili	22.71	52	P	P	23 38 26.1	-1.0
M43A	Waltham Townsh	22.74	61	P	P	23 38 26.3	-1.2
R45A	Skyler, Fairri	22.76	69	P	P	23 38 26.3	-1.3
E38A	The Farm, Brul	22.81	46	eP	P	23 38 28.7	+0.6
E38A	The Farm, Brul	22.81	46	P	P	23 38 27.9	-0.2
K42A	Prairie Point,	22.81	57	P	P	23 38 27.7	-0.5
I41A	Arkdale	22.85	54	eP	P	23 38 29.1	+0.6
I41A	Arkdale	22.85	54	P	P	23 38 27.8	-0.8
O44A	Mansfield	22.86	64	P	P	23 38 27.5	-1.1
F39A	Loretta	22.89	48	P	P	23 38 28.5	-0.5
WVT	Waverly	23.03	74	eP	P	23 38 32.1	+1.6
WVT	Waverly	23.03	74	P	P	23 38 29.2	-1.3
L43A	Garden Prairie	23.08	59	P	P	23 38 30.6	-0.3
G40A	Rib Lake	23.08	51	eP	P	23 38 31.0	+0.1
G40A	Rib Lake	23.08	51	P	P	23 38 30.9	-0.1
J42A	Columbus	23.12	56	P	P	23 38 30.7	-0.7
H41A	Junction City	23.19	52	eP	P	23 38 32.2	+0.1
H41A	Junction City	23.19	52	P	P	23 38 30.8	-1.3
N44A	Piper City	23.22	63	P	P	23 38 31.6	-0.7
V47A	Nunnelly	23.29	75	P	P	23 38 31.7	-1.4
P45A	Graceland, Par	23.31	66	P	P	23 38 32.0	-1.4
E39A	Mellen	23.32	48	P	P	23 38 31.7	-1.6
R46A	Gibson Southern	23.36	69	P	P	23 38 32.7	-1.1
F40A	Park Falls	23.39	49	P	P	23 38 33.5	-0.6
M44A	Midewin, Midew	23.41	61	eP	P	23 38 35.0	+0.7
M44A	Midewin, Midew	23.41	61	P	P	23 38 32.6	-1.7
I42A	Draeger Farm,	23.45	55	eP	P	23 38 35.3	+0.7
I42A	Draeger Farm,	23.45	55	P	P	23 38 32.3	-2.3
K43A	Burlington	23.51	58	eP	P	23 38 37.0	+1.8
K43A	Burlington	23.51	58	P	P	23 38 34.4	-0.9
Q46A	OEJHS Indians,	23.55	67	P	P	23 38 34.5	-1.2
T47A	Sharon Grove	23.62	72	eP	P	23 38 37.0	+0.6
T47A	Sharon Grove	23.62	72	P	P	23 38 35.5	-0.9
J43A	Natural Harves	23.63	56	P	P	23 38 35.7	-0.8
G41A	Antigo	23.72	51	P	P	23 38 35.6	-1.8
P46A	Rosedale	23.73	66	P	P	23 38 36.2	-1.3
X48A	Hartselle	23.75	79	eP	P	23 38 37.6	0.0
FFC	Flin Flin	23.79	20	eP	P	23 38 36.7	-0.7
E40A	Wakfield	23.76	48	P	P	23 38 37.2	-0.5
H42A	Shiocton	23.91	53	P	P	23 38 38.0	-1.1

I43A	Langenfeld Bro	23.97	55	P	P	23 38 38.9	-0.8
F41A	Three Lakes	23.97	50	eP	P	23 38 40.8	+1.0
F41A	Three Lakes	23.97	50	P	P	23 38 39.5	-0.2
M45A	Boilermakers S	23.99	61	P	P	23 38 39.4	-0.5
COWI	Conover	24.10	49	eP	P	23 38 40.8	-0.1
BLOM	Bloomington	24.21	67	eP	P	23 38 43.0	+1.0
G42A	Mountain	24.23	52	eP	P	23 38 42.5	+0.4
Q47A	Bedord North L	24.27	68	P	P	23 38 41.4	-1.1
N46A	Monticello	24.28	63	P	P	23 38 41.5	-1.2
Y49A	Blount Mountai	24.32	80	eP	P	23 38 43.5	+0.4
P47A	Martinsville	24.44	66	P	P	23 38 42.1	-2.0
CMIG	Matias Romero	24.47	125	P	P	23 38 45.0	+0.6
CMIG	Matias Romero	24.47	125	LR	LR	23 49 12.2	
S48A	Wiedeman Farm,	24.48	71	P	P	23 38 43.1	-1.3
V49A	McMinnville	24.60	75	P	P	23 38 44.7	-0.9
O47A	Sheridan	24.61	65	P	P	23 38 44.8	-0.7
F42A	Maple Grove Fa	24.61	51	P	P	23 38 44.8	-0.8
M46A	Old House Fiel	24.66	62	eP	P	23 38 47.4	+1.3
U46A	Old House Fiel	24.66	62	P	P	23 38 44.1	-1.9
U49A	Red Boiling Sp	24.68	73	P	P	23 38 44.5	-1.8
G43A	Wallace	24.73	52	eP	P	23 38 46.4	-0.2
G43A	Wallace	24.73	52	P	P	23 38 45.3	-1.3
T49A	Edmonton	24.88	72	eP	P	23 38 49.5	+1.4
T49A	Edmonton	24.88	72	P	P	23 38 46.3	-1.8
E42A	Champion	25.00	49	P	P	23 38 48.4	-0.8
P48A	Milroy	25.09	66	P	P	23 38 49.8	-0.2
F43A	Flat Rock, Esc	25.27	51	P	P	23 38 49.6	-1.9
O48A	Farmland	25.38	65	P	P	23 38 52.1	-0.5
151A	Opelika	25.40	83	P	P	23 38 52.8	0.0
251A	Rockmark	25.41	84	P	P	23 38 53.6	+0.7
Y51A	Rockmark	25.43	80	P	P	23 38 53.7	+0.6
L48A	N Adams	26.17	61	P	P	23 38 58.3	-1.4
TLR	Tuckaleechee C	26.34	75	LR	LR	23 50 11.0	
P50A	Jamestown	26.36	66	P	P	23 39 01.1	-0.3
R51A	Hillsboro	26.45	69	P	P	23 39 01.4	-0.9
453A	Whigham	26.57	86	P	P	23 39 01.5	-1.9
U52A	Thorn Hill	26.63	74	P	P	23 39 02.1	-1.9
Q51A	Peebles	26.67	68	P	P	23 39 02.0	-2.2
P51A	Wilmsport	26.92	67	P	P	23 39 04.4	-2.0
N50A	Nevada	26.96	64	P	P	23 39 05.6	-1.3
ACSO	Alum Creek Sta	27.03	65	eP	P	23 39 08.3	+0.8
ACSO	Alum Creek Sta	27.03	65	P	P	23 39 06.1	-2.5
DLBC	Dease Lake	27.25	343	P	P	23 39 11.1	+1.7
DLBC	Dease Lake	27.25	343	LR	LR	23 51 14.9	
DLBC	Dease Lake	27.25	343	eP	P	23 39 12.0	+2.6
APG	Ei Apazole	28.98	122	LR	LR	23 50 31.8	
YKA	Yellowknife Ar	29.52	1	P	P	23 39 31.1	+1.6
WHY	Whithorse	30.42	341	eP	P	23 39 40.0	+2.4
PLVO	Plevna	31.95	57	eP	P	23 39 52.5	+1.4
BALM	Baldy	33.00	336	eP	P	23 40 03.1	+2.8
LONY	Lake Ozonia	33.66	58	P	P	23 40 03.4	-2.6
DAWY	Dawson	34.43	342	eP	P	23 40 13.8	+1.3
KDAK	Kodiak Island	35.20	326	LR	LR	23 52 17.7	
EGAK	Eagle	35.46	341	eP	P	23 40 24.1	+2.7
SML	Sawmill	35.65	334	eP	P	23 40 26.4	+3.3
RIDG	Independen't	35.75	338	eP	P	23 40 26.5	+2.5
PMR	Palmer	35.81	333	eP	P	23 40 26.8	+2.4
JTS	JuntasAbangare	36.11	122	LR	LR	23 56 58.4	
DHY	Denali Highway	36.12	336	eP	P	23 40 29.9	+2.6
INK	Inuvik	36.83	349	P	P	23 40 34.6	+1.6
INK	Inuvik	36.83	349	eP	P	23 40 35.0	+1.9
SKT	Skwentna	36.96	333	eP	P	23 40 36.7	+2.4
MCK	McKinley	37.09	336	eP	P	23 40 37.8	+2.5
IL1	Elision Array	37.12	338	eP	P	23 40 36.7	+1.1
ILAR	Elision Array	37.12	338	P	P	23 40 37.4	+1.8
ILAR	Elision Array	37.12	338	LR	LR	23 55 38.7	
ILB	Elision Array	37.12	338	eP	P	23 40 37.8	+2.3
WRH	Wood River Hill	37.29	337				

27d Oh

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

ISCJB 26 23:41:22.4±0.5, 39°41'N±0.02; 25°69'E±0.03, h5km, 4km, Error ellipse: s-maj=3.9km s-min=3.0km az=156.8

ATH 26 23:41:22.1, 39°39'N±0.02; 25°72'E±0.03, h2km, 1km, ML1.7, Error ellipse: s-maj=2.0km s-min=0.9km az=100.0

ISK 26 23:41:22.3, 39°44'N±0.02; 25°71'E±0.03, h12km, ML1.9/9 DDA 26 23:41:22.2, 39°40'N±0.02; 25°71'E±0.03, h7km, ML2.5

ISC 26 23:41:22.5±0.9, 39°41'N±0.02; 25°72'E±0.03, h14km, 7km, n36, ±0.841/60, Aegean Sea

Main table for 27d Oh stations, including SIGR, SGR, PRK, etc.

ISCJB 26 23:53:13.5±0.3, 33°07'N±0.02; 115°54'W±0.02, h6km, 3km, Error ellipse: s-maj=2.8km s-min=2.4km az=157.0

NEIC 26 23:53:14.8±0.0, 33°03'N±0.02; 115°54'W±0.02, h13km, ML3.3(PAS), After PAS.

NEIC Felt at La Quinta. ECX 26 23:53:16.4±0.5, 33°00'N±0.02; 115°51'W±0.02, h10km, MD3.0, ML3.3

Table for 27d Oh stations, including SWSC, COK, DREC, etc.

2012 AUG

Main table for 2012 AUG stations, including IKP, RMX, GLA, etc.

ISCJB 26 23:55:44.2±3.5, 57S:152.34E, h0km, mb3.5/4, mb1 3.8/4, mb1mx3.4/5.1, mbtmp3.5/4, Error ellipse: s-maj=140.9km s-min=26.9km az=130.0, New Britain region

ISCJB 26 23:55:44.2±3.5, 57S:152.34E, h0km, mb3.5/4, mb1 3.8/4, mb1mx3.4/5.1, mbtmp3.5/4, Error ellipse: s-maj=140.9km s-min=26.9km az=130.0, New Britain region

Table for 2012 AUG stations, including WRA, ASAR, MKAR, etc.

1230

Main table for 1230 stations, including WRA, ASAR, MKAR, etc.

ISCJB 27 00:12:11.5±0.5, 23°85'S±0.03; 68°85'W±0.05, h95km, 3km, mb4.4/59, Error ellipse: s-maj=8.1km s-min=4.9km az=169.8

GUC 27 00:12:13.8±0.6, 23°68'S±0.03; 69°14'W±0.05, h120km, 6km, ML4.3 NEIC 27 00:12:13.0±0.0, 23°67'S±0.03; 69°14'W±0.05, h121km, mb4.4/44, ML4.3(GUC), After GUC.

IDC 27 00:12:13.6±0.7, 23°76'S±0.03; 68°77'W±0.05, h99km, 6km, mb3.9/17, ms1 2.9/2, ms1mx2.5/6.1, Error ellipse: s-maj=17.3km s-min=12.2km az=70.0

ISC 27 00:12:12.9±0.6, 23°83'S±0.04; 68°90'W±0.06, h94km, 5km, n101, ±1.06/115, mb4.4/59, 6C-56, Northern Chile

Table for 1230 stations, including IPOC, ANCH, etc.

NOA	NORSAR Array B	24.21 342	P	P	00 40 24.5	-0.8
AKTO	Aktuyubinsk	25.37 52	P	P	00 40 36.9	+1.0
TORD	Tord3 Ar. Be	33.42 227	P	P	00 41 48.9	+1.3
MKAR	Makanchi Array	41.25 60	P	P	00 42 54.7	+0.8
DGZ	Jazzator, Alta	44.15 55	eP	P	00 43 17.3	-0.2

MOS 27 00:39:51.3; 1.2, 23.75S; 69.23W, h51km, mb5.3/39, Error ellipse: s-maj=11.5km s-min=5.7km az=102.1
 GUC 27 00:39:55.7; 0.6, 23.74S; 69.42W, h99km, 6km, ML5.0
 ISGJB 27 00:39:55.4; 0.5, 23.60S; 69.12W, 0.04, h91km, 3km, mb4.9/244, Error ellipse: s-maj=6.4km s-min=4.8km az=142.8

NEIC 27 00:39:55.0; 0.0, 23.74S; 69.41W, h100km, mb5.0/205, ML5.0(GUC), After GUC.
 NEIC Felt (III) at Antofagasta and Mejillones. Also felt at Taltal. IDC 27 00:39:56.3; 0.3, 23.74S; 69.18W, h85km, 2km, mb4.6/28, mb1 4.7/30, mb1mx4.6/48, mbmp4.9/30, MS3.5/2, Ms1 3.5/20, ms1mx3.3/48, Error ellipse: s-maj=12.7km s-min=8.1km az=60.0

GCMT 27 00:39:59.0; 0.4, 24.03S; 0.03; 69.63W; 0.04, h93km, 5km, MW4.9/67, Moment Tensor, Solution, s13c15; s67, c90; Duration: 0 Moment tensor, Scale: 1.016Nm; Mr=1.69; 1.4; Ms=1.34; 1.5; Mw=0.96; 0.8; Mm=0.55; 1.4; Mv=0.07; 1.2; Best double couple: Mu=2.810000; 1016; NP1=0.320, 0.00000; s58.00000; lambda=140.00000; NP2=0.206, 0.00000; s57.00000; lambda=39.00000; Principal axes: T 3.0980, Plg1.0000; Azm83.0000; N -0.5760, Plg41.0000; Azm352.0000; P -2.5220, Plg49.0000; Azm173.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

BUI 27 00:40:00.2; 23.70S; 69.40W, h100km, mb5.4/10
 ISC 27 00:39:56.1; 0.3, 23.82S; 69.28W; 0.05, h85km, 2km, mb4.9/244, Error ellipse: s-maj=6.4km s-min=4.8km az=142.8

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
				Op	h m s	
ANCH	Antofagasta	1.04	277	II/P	Pn	00 40 15.4 -0.6
ANCH				I/S	Pn	00 40 29.9 -1.0
PB06	IPOC Station P	1.14	346	II/P	Pn	00 40 17.4 +0.1
PB06				I/S	Pn	00 40 33.0 +0.4
PB06				IAML	Pn	00 40 34.4
comp=N, 49um, 0.7s						
PB10	IPOC Station P	1.21	284	ePn	Pn	00 40 17.2 -0.8
PB10				I/S	Pn	00 40 17.1 -0.8
PB10				IAML	Pn	00 40 33.1 -1.2
comp=E, 27um, 0.8s						
PB05	IPOC Station P	1.28	319	II/P	Pn	00 40 18.8 -0.3
PB05				I/S	Pn	00 40 35.6 -0.6
PB05				IAML	Pn	00 40 38.2
comp=N, 58um, 0.8s						
PB04	IPOC Station P	1.68	331	ePn	Pn	00 40 23.4 -0.8
PB04				I/S	Pn	00 40 23.5 -0.7
PB04				IAML	Pn	00 40 44.3 -1.1
comp=N, 21um, 0.9s						
PB03	IPOC Station P	1.82	346	II/P	Pn	00 40 25.7 -0.2
PB03				I/S	Pn	00 40 48.1 -0.4
PB03				IAML	Pn	00 40 52.1
comp=E, 15um, 0.3s						
PB09	IPOC Station P	2.01	11	II/P	Pn	00 40 29.4 +0.9
PB09				I/S	Pn	00 40 54.1 +0.9
PB07	IPOC Station P	2.15	345	II/P	Pn	00 40 29.9 -0.5
PB07				IAML	Pn	00 41 04.7
comp=N, 9um, 0.2s						
PB02	IPOC Station P	2.55	347	II/P	Pn	00 40 35.0 -0.7
PB01	IPOC Station P	2.77	356	ePn	Pn	00 40 38.3 -0.3
PB01				I/S	Pn	00 40 38.2 -0.3
PB01				IAML	Pn	00 41 10.9 -0.3
comp=E, 6um, 0.3s						
SLA	San Lorenzo	3.56	105	II/P	Pn	00 40 52.3 +3.0
PB08	IPOC Station P	3.66	21	II/P	Pn	00 40 50.2 -0.7
PB08				I/S	Pn	00 41 32.4 -0.9
GO03	Copiap	3.85	193	ePn	Pn	00 40 51.5 -1.7
PB11	IPOC Station P	4.05	355	ePn	Pn	00 40 33.1 -1.7
MNMC	Minyinye	4.67	356	ePn	Pn	00 41 02.6 -1.9
LCO	Las Campanas	5.32	194	ePn	Pn	00 41 10.4 -3.0
LCO	Las Campanas	5.32	194	ePn	Pn	00 41 10.4 -3.0
GO04	Tololo Observa	6.47	192	ePn	Pn	00 41 25.9 -3.1
LPAZ	La Paz	7.57	8	P	Pn	00 41 43.1 -1.3
LPAZ				LR	LR	00 44 53.9
comp=E, 378nm, 21.6s, baz=182, slow=40						
LPAZ	La Paz	7.57	8	ePn	Pn	00 41 42.7 -1.6
ROCI	El Roble	9.25	189	ePn	Pn	00 42 01.4 +5.1
PEL	Pedehue	9.37	187	ePn	Pn	00 42 06.3 -2.0
PEL	Pedehue	9.37	187	ePn	Pn	00 42 06.3 -2.0
CPUP	Villa Florida	11.12	105	P	Pn	00 42 31.0 -1.1
comp=E, 2.1nm, 0.3s, baz=282, slow=11, SNR=35						
CPUP				LR	LR	00 47 31.5
comp=E, 187nm, 18.9s, baz=280, slow=41						
CPUP	Villa Florida	11.12	105	ePn	Pn	00 42 30.8 -1.4
NNA	Nana	13.79	327	LR	LR	00 48 31.4
comp=E, 28nm, 19.5s, baz=161, slow=37						
NNA	Nana	13.79	327	ePn	Pn	00 43 06.8 -1.2
NNA	Nana	13.79	327	ePn	Pn	00 43 06.8 -1.2
TRQA	Tornquist	15.50	158	ePn	Pn	00 43 27.9 -2.0
TRQA				I, 118nm, 0.8s		
TRQA	Tornquist	15.50	158	ePn	Pn	00 43 27.9 -2.0
TRQA				pmax		
GO06	Curarrhue	15.83	186	ePn	Pn	00 43 31.1 -2.9
SAML	Samuel	15.90	23	ePn	Pn	00 43 31.0 -3.9
comp=Z, 11nm, 0.7s						
SAML	Samuel	15.90	23	ePn	Pn	00 43 31.0 -3.9
SAML				pmax		
comp=Z, 11nm, 0.7s						
PLCA	Paso Flores	16.90	183	P	Pn	00 43 45.5 -1.8
comp=Z, 1.5nm, 0.3s, baz=25, slow=13, SNR=20						
PLCA				LR	LR	00 50 40.0
comp=Z, 177nm, 20.1s, baz=19, slow=38						
PLCA	Paso Flores	16.90	183	ePn	Pn	00 43 45.5 -1.8
comp=Z, 53nm, 1.3s						
PLCA	Paso Flores	16.90	183	ePn	Pn	00 43 45.6 -1.7
PLCA				pmax		
comp=Z, 53nm, 1.3s						
SPB	Sao Paulo	20.01	94	eP	P	00 44 20.2 -1.9
comp=Z, 331nm, 1.9s						
BDFB	Brasilia	21.59	72	P	P	00 44 36.8 -2.4
comp=Z, 42nm, 0.9s, baz=247, slow=12, SNR=42						
BDFB				LR	LR	00 54 28.4
comp=Z, 159nm, 19.8s, baz=208, slow=41						
BDFB	Brasilia	21.59	72	ePn	Pn	00 44 36.8 -2.4
comp=Z, 99nm, 1.0s						
BDFB	Brasilia	21.59	72	ePn	Pn	00 44 36.8 -2.4
BDFB				pmax		
comp=Z, 99nm, 1.0s						
PTGA	Pitinga	24.67	23	P	P	00 45 08.4 -0.7
comp=Z, 13nm, 0.5s, baz=202, slow=12, SNR=23						
PTGA				LR	LR	00 55 18.2
comp=Z, 171nm, 19.2s, baz=201, slow=38						
PTGA	Pitinga	24.67	23	P	P	00 45 08.0 -1.1
comp=Z, 38nm, 0.8s						
GCUF	Volcan Galeras	26.10	341	eP	pP	00 45 42.9 +0.9
SOTA	Riobanco	26.77	344	eP	pP	00 45 44.9 -3.2
PRAC	Prado	27.91	343	eP	P	00 45 39.3 -0.1
YOTC	Yotoco, Valle	28.48	345	eP	P	00 45 43.6 0.0
ROSC	El Rosal	28.91	350	LR	LR	00 56 49.9
comp=Z, 105nm, 20.9s, baz=194, slow=35						
EFI	East Falkland	29.12	166	eP	P	00 45 47.1 -1.6
comp=Z, 45nm, 0.8s						
EFI	East Falkland	29.12	166	eP	P	00 45 47.8 -0.9
EFI				pmax		
comp=Z, 57nm, 0.8s						
RUSC	La Rusia	29.76	352	eP	P	00 45 52.2 -3.1
HELC	Santa Helena	30.45	346	eP	P	00 46 00.2 -1.0
BARC	Barichara	30.47	352	eP	P	00 46 14.1 +1.3
PTBC	PUERTO BERRIO,	30.59	350	eP	P	00 45 58.9 -3.3
DBCC	Dabeiba	31.39	347	eP	P	00 46 08.2 -1.0
ZARC	Zaragoza, Cauc	31.59	349	eP	P	00 46 08.8 -2.1

PCRV	Puerto La Cruz	34.09	8	pP	pP	00 46 52.6 +0.1
comp=Z, 9.4nm, 0.9s, baz=225, slow=13, SNR=2.5						
RCBR	Riachuelo	36.74	66	eP	P	00 46 54.3 -1.3
comp=Z, 19nm, 0.6s						
RCBR	Riachuelo	36.74	66	eP	P	00 46 54.3 -1.3
RCBR				pmax	pmax	
comp=Z, 18nm, 0.6s						
JTS	JuntasAbangar	37.20	334	pP	pP	00 47 21.3 +1.9
comp=Z, 4.3nm, 0.8s, baz=163, slow=20, SNR=2.7						
JTS				LR	LR	01 01 26.6
comp=Z, 36nm, 18.7s, baz=212, slow=35						
PMSA	Palmer Station	41.09	177	P	P	00 47 30.0 -1.1
comp=Z, 15nm, 0.7s, baz=5.6, slow=6.8, SNR=10.0						
PMSA				LR	LR	01 03 06.7
comp=Z, 78nm, 21.6s, baz=334, slow=34						
PMSA	Palmer Station	41.09	177	eP	P	00 47 32.1 +0.9
comp=Z, 19nm, 0.8s						
OBIP	ObispoPonce	41.69	4	eP	pP	00 47 34.8 -1.6
OBIP				eP	pP	00 47 54.8 -2.1
SJG	San Juan	41.79	4	eP	P	00 47 34.8 -2.5
comp=Z, 11nm, 0.8s, baz=146, slow=3.6, SNR=4.5						
APG	El Apazole	43.79	330	LR	LR	01 05 21.6
comp=Z, 27nm, 18.1s, baz=86, slow=35						
TEIG	Teich	47.53	336	eP	P	00 48 22.7 -0.3
comp=Z, 105nm, 1.8s						
CMIG	Matias Romero	47.73	326	P	P	00 48 25.1 +0.4
comp=Z, 3.3nm, 0.7s, baz=141, slow=6.6, SNR=6.7						
CMIG				pmax	pmax	00 48 44.4 -1.0
comp=Z, 3.8nm, 0.7s, baz=108, slow=7.4, SNR=5.0						
453A	Whigham	56.24	344	eP	P	00 49 26.5 -1.1
comp=Z, 475nm, 1.9s						
ZAIG	Zacatecas	56.49	323	eP	P	00 49 31.1 +1.2
comp=Z, 12nm, 0.7s						
LNIG	Linares	56.58	337	eP	P	00 49 30.0 -0.1
comp=Z, 7.5nm, 0.9s						
252A	Lumpkin	57.44	344	P	P	00 49 34.6 -1.4
comp=Z, 183						
349A	Repton	57.48	342	P	P	00 49 35.4 -0.9
baz=161						
155A	Kite	57.52	347	P	P	00 49 35.7 -0.9
baz=166						
NHSC	New Hope	57.55	349	P	P	00 49 36.4 -0.4
baz=168						
154A	Montrose	57.65	346	P	P	00 49 36.3 -1.2
baz=165						
251A	Midway	57.70	344	P	P	00 49 36.5 -1.4
baz=163						
348A	Jackson	57.74	341	P	P	00 49 37.7 -0.5
baz=160						
VNA3	Neumayer Olymp	58.00	161	P	P	00 49 39.9 +0.3
baz=153						
252A	Waverly Hall	58.07	345	P	P	00 49 39.4 -1.1
baz=164						
151A	Opelika	58.09	344	P	P	00 49 39.9 -0.7
baz=163						
542A	Morse	58.10	336	P	P	00 49 40.5 -0.3
baz=155						
Z54A	Sparta	58.19	347	P	P	00 49 40.4 -0.9
baz=166						
VNA1	Neumayer-Stat	58.23	160	P	P	00 49 41.7 +0.6
150A	Electric	58.34	343	P	P	00 49 41.1 -1.3
baz=162						
Z53A	Monticello	58.39	346	P	P	00 49 41.2 -1.4
baz=165						
GOGA	Godfrey	58.50	346	P	P	00 49 42.3 -1.1
baz=165						
Z52A	Williamson	58.50	345	P	P	00 49 42.1 -1.4
baz=164						
149A	Jones	58.54	343	P	P	00 49 42.3 -1.4
baz=161						

27d Oh

Table with columns for station name, frequency, power, and other technical details. Includes stations like MCMT McKenzie Canyon, BOZ Bozeman (W), BOZ Bozeman (W), etc.

2012 AUG

Table with columns for station name, frequency, power, and other technical details. Includes stations like PTOM Tomar, PTOM Barrancos, PESTR Estremoz, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like AKTO Aktubinsk, SEY Seychan, GEYT Alibayev, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSAR, Wouju Array Be, Gaotai, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like COK, Cook Ranch, SWSC, Sam W. Stewart, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TOA1, Torodi Ar. Sit, TORO, Torodi Ar. Bea, etc.

IDC 27 00:58:37.0-0.7, 27.69Sx176.51W, h0km, mb4.1/8, mb1 4.3/9, mb1mx0.4/44, mbtmp4.1/9, ML3.31, MS3.8/12, Ms1 3.8/12, ms1mx3.4/53, Error ellipse: s-maj=25.2km s-min=20.9km az=100.0

ISCJB 27 00:58:40.8-0.5, 27.58S, 0:08:176.6W, 0.1, h34km, mb4.1/12, MS3.9/10, Error ellipse: s-maj=15.2km s-min=10.2km az=23.2

NEIC 27 00:58:41.4-2.5, 27.62S, 176.55W, h27km, 17km, mb4.3/5, Error ellipse: s-maj=12.0km s-min=7.6km az=118.0

ISC 27 00:58:42.0-0.6, 27.75S, 0:08:176.5W, 0.1, h34km, n46, 1559/33, mb4.2/12, M54.0, 10, Kermadec Islands region

Main table of station data for the first section, including RAOU, URZ, AFI, DZM, DZM, DZM, RAR, FUNA, TBI, PAE, PPT, HNR, VAH, CTAO, ASAR, WRA, FITZ, GUMO, CASY, BATI, RPN, QSPA, MAJ, SNA, VNA, VNA, LPIG, KSRS, KSAR, PLCA, CMB, NVAR, PDA, NOB, NOA, HFS, AKAS, ASF, MMAL, BRTR, BRTR, TORO, etc.

ISCJB 27 01:06:32.7-0.5, 53:0N, 0:1:35:1W, 0.1, h13km, mb4.0/16, MS3.0/7, Error ellipse: s-maj=15.6km s-min=8.6km az=4.8

IDC 27 01:06:32.1-1.1, 52:89N, 35:06W, h0km, mb3.7/11, mb1 3.9/12, mb1mx3.6/78, mbtmp3.7/12, ML3.8/1, MS3.1/8, Ms1 3.1/8, ms1mx2.7/75, Error ellipse: s-maj=28.2km s-min=21.0km az=24.0

NEIC 27 01:06:33.9-0.4, 52:96N, 35:06W, h10km, mb4.4/5, Error ellipse: s-maj=13.0km s-min=7.3km az=6.0

ISC 27 01:06:34.0-0.8, 52.93N, 0:2:35:1W, 0.1, h13km, n40, 0:956/33, mb4.0/16, MS2.9/7, Reykjanes Ridge

Main table of station data for the second section, including BORG, EKA, FRB, JMJC, ESDC, ESDC, ESDC, ES19, NOA, HFS, ARAO, ARCES, FIAO, FINE, FINES, BURR, TKL, HOSN, BR10, BR11, BR12, BR13, BR14, Q24A, etc.

GUC 27 01:08:16.8-0.6, 31:06S, 70:36W, h122km, 8km, ML3.5

ISCJB 27 01:08:17.2-0.9, 31:04S, 0:03:69.92W, 0.05, h10km, 11km, Error ellipse: s-maj=6.5km s-min=4.6km az=6.7

SJA 27 01:08:17.3-0.7, 31:03S, 69:91W, h98km, 6km, ML3.2, MW3.6

ISC 27 01:08:17.9-1.6, 31:04S, 0:03:69.94W, 0.05, h103km, 16km, n25, 0:056/30, 1D, San Juan Province

Main table of station data for the third section, including RTLS, Leontico, GO04, Tololo Observa, GO04, Tololo Observa, ZON, Zonda, AMOC, MOGNA, AUSP, SJA, RTLL, Cerro Villicu, RTLL, Cerro Villicu, RTLL, Cerro Valdivia, RTVC, Salagasta, ASAL, ARCO ARCO, LCO, Las Campanas, ROCH, El Roble, PEL, Peldehue, AAGR, Agrelo, FCH, Farellones, CLCH, Cerro Calan, VCA, Vincina, LMEL, Las Melosas, ACLC, CERRO LA CRUZ, GO03, Copiap, MRA, San Martin, RFA, San Rafael, CYA, Choya, TCA, etc.

MEX 27 01:09:12.6-0.6, 16:12N, 103:31W, h14km, 3km, MD3.6, Near coast of Michoacan

Main table of station data for the fourth section, including MMIG, Aquila, R15V, R15V, ISCJB 27 01:18:03.3-0.5, 38:71N, 0:02:25:99E, 0.04, hgkm, 4km, Error ellipse: s-maj=5.6km s-min=3.2km az=165.2, ATH 27 01:18:03.1, 38:69N, 26:01E, h30km, 1km, ML2.0/5, Error ellipse: s-maj=3.1km s-min=1.0km az=80.0, DDA 27 01:18:03.5, 38:74N, 26:08E, h7km, ML2.6, ISK 27 01:18:03.8, 38:74N, 26:09E, h7km, ML2.1/8, ISC 27 01:18:03.6-1.0, 38:72N, 0:02:26.05E, 0.03, h15km, 9km, n33, 0:080/47, Aegean Sea, Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like BLCB Balcova, DGB zmir, BAYC CANAKKALE, etc.

ISCJB 2701:29:43.5-0.3, 31:31S; 0:03:67.71W; 0.04, h119km, 3km, mb3.9/14, Error ellipse: s-maj=6.0km s-min=4.4km

SJA 2701:29:44.5-0.6, 31:39S; 67.75W, h105km, 3km, ML4.1, MW4.1

IDC 2701:29:44.8-0.5, 31:44S; 67.65W, h113km, 4km, mb3.8/13, mb1.3/8.16, mb1mx3.6/46, mbtmp4.1/16, Error ellipse: s-maj=20.5km s-min=13.2km az=100.0

GUC 2701:29:45.2-0.5, 31:32S; 67.86W, h123km, 72km, ML4.1

NEIC 2701:29:45.0-0.0, 31:39S; 67.75W, h105km, mb4.2/1, MD4.1(SJA), After SJA

ISC 2701:29:44.0-0.5, 31:32S; 0:04:67.72W; 0.04, h112km, 4km, n66, n14/87, mb4.0/1.2, SA San Juan Province

Main station list table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like RTLL Cerro Villuco, SJA San Juan, ANMO MOGNA, etc.

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like FITZ Fitzroy Cross, KURBB Kurchatov Arra, etc.

IDC 2701:31:37.1-2.5, 30:35N; 113:91W, h0km, mb3.3/1, mb1.3/6.6, mb1mx3.4/73, mbtmp3.2/6, ML3.6/4, MS3.2/8, Ms1.3/2.8, ms1mx3.0/27, Error ellipse: s-maj=36.9km s-min=14.5km az=28.0

ISCJB 2701:31:38.6-1.1, 30:01N; 0:1:114:13W; 0.07, h10km, mb3.3/1, MS3.1/7, Error ellipse: s-maj=16.9km s-min=6.9km az=21.7

ECX 2701:31:39.3-0.5, 30:71N; 114:04W, h10km, MD3.6, ML3.8

ISC 2701:31:38.7-1.6, 30:40N; 0:1:114:21W; 0.09, h10km, n17, c256/12, MS3.3/7, 1.C, Gulf of California

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like SPIG San Pedro Mart, ECXB El Chintero, etc.

GUC 2701:36:31.6-0.6, 34:24S; 72:11W, h10km, ML3.6, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like CLCH Cerro Calan, ROCH El Roble, etc.

ISCJB 2701:42:22.0-0.5, 35:21N; 0:05:98.98E; 0.05, h10km, mb3.8/16, MS3.2/7, Error ellipse: s-maj=8.0km s-min=5.6km az=29.3

IDC 2701:42:22.0-0.7, 35:08N; 99:03E, h0km, mb3.6/13, mb1.3/8.16, mb1mx3.6/77, mbtmp3.7/16, ML3.9/3, MS3.3/9, Ms1.3/3.9, ms1mx2.9/72, Error ellipse: s-maj=23.7km s-min=14.4km az=39.0

BUI 2701:42:23.8, 35:24N; 99:08E, h7km, mb4.2/3, ML4.0/12, Ms3.9/10, Ms7.3/8.8

NEIC 2701:42:23.7-0.5, 35:18N; 99:07E, h10km, mb4.2/2, Error ellipse: s-maj=12.3km s-min=9.6km az=57.0

ISC 2701:42:25.4-0.6, 35:31N; 100:05:98.95E; 0.05, h10km, n31, c238/32, mb3.8/16, MS3.2/7, Qinghai

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like LZH Lanzhou, LHZ Lanzhou, etc.

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like XAN comp=E,940nm,5.9s, BTO Baotou, etc.

IDC 2702:02:04.2-1.1, 0:23:24S; 179:88W, h273km, h273km, mb3.2/4, mb1.3/4.0, mb1mx3.0/46, mbtmp3.9/7, Error ellipse: s-maj=162.8km s-min=35.5km az=2.0, South of Fiji Islands

GUC 2702:16:06.5-0.5, 21:31S; 68:72W, h126km, 3km, ML3.5, 8C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like PCI Palu, MPSI Mapaga, etc.

DJA 2701:48:54.5-0.3, 1:S2; 120E; h10km, M3.5/7, MLv3.5/7, Sulawesi

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like PCI Palu, MPSI Mapaga, etc.

GUC 2702:16:06.5-0.5, 21:31S; 68:72W, h126km, 3km, ML3.5, 8C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, El, Op, P, S, Res, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB03 IPOC Station P, etc.

Table with columns: HOMI, HORASAN, 0.45 279, iP, Pg, 02 22 11.4, -0.2, etc.

Table with columns: PRK, PARASKEVI, 0.56 16, P, S, Pg, 02 36 18.7, -0.4, etc.

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

KRSC 27 02:27:13.5, 0.6, 55.26N, 163.17E, h44km, 19km, ML3.9, etc.

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

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

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

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

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

MEX 27 02:28:56.9, 0.3, 16.48N, 98.56W, h16km, MD3.8, Near coast of Guerrero

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

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

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

ATH 27 02:36:07.1, 38.69N, 26.13E, h31km, ML2.5/8, Error ellipse: s-maj=1.2km s-min=0.7km az=265.0

SOME 27 02:50:18.2, 41.02N, 83.37E, h5km, NNC 27 02:50:27.4, 41.87N, 83.42E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=3.2km s-min=1.3km az=147.0

IDC 27 02:55:21.4, 2.7, 17.36S, 149.63E, h0km, mb3.2/1, mb1 3.0/2, mb1mx3/4, mbtmpp3/4, ML3.4/2, MS3.0/2, Ms1 3.0/2, ms1mx2/7/17, Error ellipse: s-maj=85.0km s-min=25.2km az=148.0, East of Australia

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

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

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

27d 3h

AAK Ala-Archa 7.08 29 Pn Pn 03 03 57.8 -1.7
AAK 6.5nm,0.8s S Sn 03 05 20.9 +2.0

ISCJB 27 03:03:32.0.4.32.97N.0.02:115.56W.0.02,h12km,3km,
Error ellipse: s-maj=3.8km s-min=2.5km az=160.2
NEIC 27 03:03:32.0.0.32.99N.115.59W,h12km,ML3.1(PAS),
After PAS.

ECX 27 03:03:33.7.0.4.33.01N:115.62W,h12km,MD2.9,ML3.1
MEX 27 03:03:34.3.0.6.33.06N:115.52W,h15km,MD3.8
ISC 27 03:03:32.0.1.32.97N.0.02:115.58W.0.02,h14km,8km,
n58,r1923/84,3C-10D,California-Baja California border
region

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

NEIC 27 03:21:30.9.0.0, 19.73N:64.18W,h36km,MD3.8(RSPR),
After RSPR.
RSPR 27 03:21:30.9, 19.73N:64.18W,h36km,10km,MD3.8/16,
23C-19D,Virgin Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the Virgin Islands region.

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Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the 2012 August period.

ISCJB 27 03:24:10.0.0.0.8, 7.86N:0.03:78.31W.0.02,h33km,6km,
mb4.1/23,MS3.4/10, Error ellipse: s-maj=4.9km
s-min=2.8km az=26.2

RSNC 27 03:24:10.2.0.0.8, 7.87N:78.33W,h4km,4km,ML4.0,Mw4.2
CASC 27 03:24:10.1.2.0.7, 7.89N:78.37W,h11km,14km,
mb4.3(NEIC)

NEIC 27 03:24:12.1.1.9, 7.85N:78.21W,h28km,14km,mb4.3/6,
Error ellipse: s-maj=9.2km s-min=5.9km az=223.0
IDC 27 03:24:12.3.5.6, 7.89N:78.16W,h27km,38km,mb3.9/17,
mb1.4/122,mb1mx4.0/52,mbtmp4.1/22,ML4.0/4,MS3.4/16,
Ms1.3/416,ms1mx3.1/51, Error ellipse: s-maj=18.9km
s-min=11.8km az=46.0

ISC 27 03:24:09.4.1.5, 7.84N:0.04:78.30W.0.03,h9km,9km,n74,
r124/94,mb4.2/23,MS3.3/10,3C-5D,Panama

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the 2012 August period.

IDC 27 03:47:12.3.0.7, 2.15N:126.83E,h30km,5km,mb4.5/28,
mb1.4/5/28,mb1mx4.4/54,mbtmp4.6/28,MS3.4/11,
Ms1.3/411,ms1mx3.1/58, Error ellipse: s-maj=17.6km
s-min=9.2km az=82.0

MOS 27 03:47:15.3.0.9, 2.18N:126.77E,h73km,5.1/22, Error
ellipse: s-maj=11.5km s-min=6.1km az=115.6
ISCJB 27 03:47:17.0.3.2, 2.22N:0.02:126.88E.0.03,h97km,2km,
mb4.7/89, Error ellipse: s-maj=4.5km s-min=2.5km
az=162.8

NEIC 27 03:47:19.0.0.4, 2.15N:126.84E,h94km,4km,mb5.0/43,
Error ellipse: s-maj=4.2km s-min=2.8km az=66.0
DJA 27 03:47:19.4.1.4, 2.2N:12.7E,h26km,14km,Ms1.2/9,
mb5.5/23,mb5.5/29,MLV5.1/18,Mw(mB)5.0/23

Bull 27 03:47:21.0.2.65N:126.56E,h85km,mb4.8/31,mb5.3/23,
Ms4.8/11,Ms7.4/5/11
ISC 27 03:47:16.5.0.5, 2.22N:0.03:126.87E.0.05,h69km,5km,
h69km:pp-P,n269,r23/282,mb4.8/89,8C-11D,Northern
Molucca

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the 2012 August period.

1240

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the 1240 period.

IDC 27 03:47:12.3.0.7, 2.15N:126.83E,h30km,5km,mb4.5/28,
mb1.4/5/28,mb1mx4.4/54,mbtmp4.6/28,MS3.4/11,
Ms1.3/411,ms1mx3.1/58, Error ellipse: s-maj=17.6km
s-min=9.2km az=82.0

MOS 27 03:47:15.3.0.9, 2.18N:126.77E,h73km,5.1/22, Error
ellipse: s-maj=11.5km s-min=6.1km az=115.6
ISCJB 27 03:47:17.0.3.2, 2.22N:0.02:126.88E.0.03,h97km,2km,
mb4.7/89, Error ellipse: s-maj=4.5km s-min=2.5km
az=162.8

NEIC 27 03:47:19.0.0.4, 2.15N:126.84E,h94km,4km,mb5.0/43,
Error ellipse: s-maj=4.2km s-min=2.8km az=66.0
DJA 27 03:47:19.4.1.4, 2.2N:12.7E,h26km,14km,Ms1.2/9,
mb5.5/23,mb5.5/29,MLV5.1/18,Mw(mB)5.0/23

Bull 27 03:47:21.0.2.65N:126.56E,h85km,mb4.8/31,mb5.3/23,
Ms4.8/11,Ms7.4/5/11
ISC 27 03:47:16.5.0.5, 2.22N:0.03:126.87E.0.05,h69km,5km,
h69km:pp-P,n269,r23/282,mb4.8/89,8C-11D,Northern
Molucca

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations for the 1240 period.

ABRA Dolores	0.35 191 eP	Pg	04 28 47.3 -0.2
ABRA APYP	0.46 107 eS	Sg	04 28 51.3 -1.0
APYP Conner	0.46 107 eS	Sg	04 28 49.2 -0.2
CVP Callao Caves	1.03 106 iP	Sg	04 28 55.8 +0.3
CVP CVP	0.49 12.3 -1.0	Pb	04 29 12.3 -1.0
SGCP Mt. Cagua	1.23 78 eP	Sb	04 29 02.0 -1.0
SGCP CAUP	1.45 136 eP	Sg	04 29 18.2 -0.7
CAUP CAUP	1.45 136 eP	Sg	04 29 05.6 -0.4
BOLP Bolinao	1.81 207 eP	Sg	04 29 28.3 +1.5
BOLP PALP	1.82 120 eP	Sb	04 29 09.4 -1.7
PALP Palanan	1.82 120 eP	Sb	04 29 11.2 0.0
SCZP Santa Cruz	2.36 201 eP	Sb	04 29 36.5 +0.3
BALP Baler	2.37 161 eP	Pn	04 29 19.0 +0.3
PCPH Palayan	2.44 173 eP	Pn	04 29 19.9 +0.2
PCPH BBP	2.67 25 eP	Sb	04 29 42.1 -0.7
BBP Basco	2.67 25 eP	Pb	04 29 22.1 -0.9
BBP Basco	2.67 25 eP	Pb	04 29 25.2 -2.7
BBP TGy	3.88 178 eP	Sb	04 29 58.9 -1.7
TGY Tagaytay City	3.88 178 eP	Sb	04 29 42.5 +3.0
TGY 187nm, 0.3s, baz=263, slow=0.9, SNR=6.9		LR	04 31 45.5
LUBP Lubang	4.27 187 eP	Pn	04 29 45.4 +0.4
GOP Guinayangan	4.38 158 eP	Sb	04 29 47.1 +0.8
SJMP San Jose	5.52 177 eP	Pn	04 30 03.4 +1.4
OTRP Odiangan	5.75 168 eP	Pn	04 30 12.2 +7.1
TATO Taipei	6.97 5 ePn	Pn	04 30 25.6 +3.5
QIZ Qiongzhang	10.43 277 ePn	ePn	04 31 08.2 -1.3
JOW Kunigami	11.19 37 LR	LR	04 33 00.1 -6.2
GOP Davao City (W)	21.63 156 LR	LR	04 35 25.4
DAV comp=Z, 630nm, 18.2s, baz=231, slow=43		P	04 36 58.7
UBPT Khong Chiam	14.92 262 P	P	04 32 25.2 +8.7
PANO Nakorngpanom	15.44 269 P	P	04 32 23.2 +0.9
ENH Enshi	15.97 322 ePn	P	04 32 27.6 -0.5
SKNT Sakolnakorn	16.06 269 P	P	04 32 29.8 +0.6
NONG Nongkai	16.77 273 P	P	04 32 39.7 +2.6
MRSI Marisa	17.45 176 P	P	04 32 45.5 +0.9
JUN Nakatane	17.56 29 P	P	04 32 47.2 +1.2
JUN 0.8nm, 0.3s, baz=166, slow=7, SNR=7.9		LR	04 39 34.8
KMSI Cibinong	17.60 169 P	P	04 32 46.8 +0.5
CHAI Chaiyaphum	18.10 266 P	P	04 33 00.6 +8.8
APSI Ampana	18.81 177 P	Pn	04 33 00.5 +0.4
PBKT Sadao Pong	18.97 269 P	P	04 33 05.8 +3.7
PHIT Phitsanulok	19.43 271 P	Pn	04 33 15.7 +8.1
SUKH Sukhothai	20.15 272 P	Pn	04 33 20.4 +4.2
KSAR Wonju Korea Arr	20.35 16 P	Pn	04 33 17.1 -1.2
KSRS Korea Array	20.37 17 P	Pn	04 33 17.1 -1.4
KSRS 11nm, 0.8s, baz=198, slow=12, SNR=2.7		LR	04 41 28.1
UTHA Uthairat	20.57 266 P	Pn	04 33 22.8 +1.7
CMAI Chiangmai2	20.65 279 P	Pn	04 33 31.4 +9.2
CMMT Chiang Mai	20.73 276 P	Pn	04 33 24.5 +1.5
CHTO Chiang Mai	20.74 276 eP	Pn	04 33 22.9 -0.1
CHTO Chiang Mai	20.74 276 P	Pn	04 33 24.6 +1.5
CMAR Chiang Mai Arr	20.75 275 P	Pn	04 33 23.5 +0.3
CMAR 4.2nm, 0.6s, baz=87, slow=8.8, SNR=1.8		LR	04 41 27.4
UMPA Umpang Tak	21.83 268 P	P	04 33 28.6 +4.7
SJI Sorong	21.40 150 LR	LR	04 43 29.0
BJT Baijiatou	22.30 351 eP	P	04 33 39.2 +1.9
RKPI Ransiki, Papua	23.45 144 P	P	04 33 48.9 -0.5
GUMO Guam	23.58 97 LR	LR	04 43 26.0
MJAR Matsushiro Arr	24.03 36 P	P	04 33 53.8 -1.1
DSRI Dabo	24.23 223 P	P	04 33 56.0 -1.7
PSI Prapat	26.22 237 P	P	04 34 14.2 -0.9
PSI 2.7nm, 0.6s, baz=0.8, slow=2.6, SNR=3.1		LR	04 43 50.4
USRK Ussuriysk Arr	27.77 17 P	P	04 34 31.2 +2.5
LHSA Lhasa	29.41 299 eP	P	04 34 46.8 +2.8
SONM Songoing Array	32.00 342 P	P	04 35 08.1 +1.9
ODAN Odare	32.02 292 eP	P	04 35 08.3 +1.5
RAMN Ramite	32.73 292 eP	P	04 35 14.8 +1.7
JIRN Jiri	33.20 293 eP	P	04 35 19.0 +1.7
GUN Gumba	33.52 294 eP	P	04 35 21.7 +1.7
KKN Kakani	34.02 293 eP	P	04 35 26.7 +2.4
DMN Damay Beam	34.15 293 eP	P	04 35 27.5 +2.1
GKN Gorkha	34.62 293 eP	P	04 35 30.1 +0.7
KOLN Koldanda	35.49 293 eP	P	04 35 38.0 +1.0
PYUN Phuthan	36.07 293 eP	P	04 35 42.9 +0.9
FITZ Fitzroy Crossi	36.19 172 P	P	04 35 39.0 -3.6
WRAB Tennant Creek	39.98 160 eP	P	04 36 08.7 -6.0
WRAB WRA	39.98 160 eP	P	04 36 08.4 -1.5
WRA Warramunga Arr	39.98 160 P	P	04 36 09.1 -5.7
MKAR Makanchi Array	42.70 321 P	P	04 36 39.0 +2.2
MKAR 1.1nm, 0.9s, baz=116, slow=9.4, SNR=24		P	04 38 27.7 -0.8
ASAR Alice Springs	43.35 162 P	P	04 36 37.4 -4.9
NIL Nilore	45.14 300 eP	P	04 36 57.4 +0.7
PETK Petropavlovsk-	45.27 31 P	P	04 36 58.0 +0.6
ZALV Zalesov Beam	45.33 31 P	P	04 36 58.5 +0.8
KURK Kurchatov	46.72 324 eP	P	04 37 10.0 +1.2
KURBB Kurchatov Arr	46.73 324 P	P	04 37 10.5 +1.7
BVAR Borovoye Array	52.32 324 P	P	04 37 52.6 +1.1
BVAR 1.7nm, 0.5s, baz=50, slow=2.5, SNR=3.2		P	04 39 01.5 -1.1
BRVK Borovoye	52.39 324 eP	P	04 37 52.8 +0.7
NRIK Noril'sk	55.27 346 P	P	04 38 13.4 +0.6
GEYT Ailbeck	57.75 304 P	P	04 38 31.5 +0.4
AKTO Aktyubinsk	59.03 318 P	P	04 38 40.5 +0.8
ARH Arl	59.88 325 eP	P	04 38 45.3 -0.2
KUKH Akhalkalaki	68.91 308 iP	P	04 39 46.8 +1.7
KBZ Khabaz	69.12 311 P	P	04 39 47.0 +0.8
RAYN Ar Rayn	69.89 289 eP	P	04 39 52.2 +0.9
KADK Kodiak Island	73.19 34 P	P	04 40 09.6 -0.9
ILAR Eielson Array	74.88 26 P	P	04 40 20.1 -0.3

ARCES ARCESS Array B	75.12 339 P	P	04 40 21.7 0.0
1.9nm, 0.5s, baz=171, slow=5.4, SNR=12			
SPITS Spitsbergen Arr	75.42 348 P	P	04 40 23.9 +0.6
1.8nm, 0.7s, baz=109, slow=12, SNR=7.5			
BRTR Keskin Array B	75.59 309 P	P	04 40 30.1 -0.6
1.1nm, 0.7s, baz=138, slow=4.5, SNR=5.4			
FINES FINES Array B	76.59 331 P	P	04 40 29.7 -0.5
4.2nm, 0.8s, baz=69, slow=6.3, SNR=7.9			
AKASE Malin Array Be	77.26 319 P	P	04 40 33.2 -0.9
0.7s, baz=58, slow=5.9, SNR=10.0			
EGAG 77.27 26 eP		P	04 40 33.2 -0.8
6.2nm, 0.8s			
DAWY Dawson	78.20 26 eP	P	04 40 38.8 -0.4
3.6nm, 0.8s			
SORM Soroca	78.40 317 iP	P	04 40 36.0 -4.5
INK Inuvik	79.08 21 P	P	04 40 43.0 -0.8
3.0nm, 0.8s, baz=286, slow=9.3, SNR=5.9			
INK Inuvik	79.08 21 P	P	04 40 43.0 -0.8
4.8nm, 0.9s			
CFR Carcaiu	79.28 314 iP	P	04 40 43.8 -1.6
ISP Isparta	79.39 306 iP	P	04 40 44.5 -1.8
TESR Tescani	79.94 316 iP	P	04 40 47.6 -1.4
YVR Vriocioaia	80.06 315 iP	P	04 40 50.2 +0.5
PLOR Plostina	80.11 315 iP	P	04 40 51.1 +1.1
BIZ Bizac	80.18 316 iP	P	04 40 50.3 0.0
MLR Muntele Rosu	80.69 315 P	P	04 40 53.6 +0.3
6.2nm, 0.9s, baz=169, slow=5.2, SNR=7.9			
VOIR Arges	81.31 315 iP	P	04 40 55.8 -0.7
ARR Arges	81.31 315 iP	P	04 40 54.8 +0.3
HFS Hagfors	82.76 331 P	P	04 41 03.6 -0.1
2.5nm, 0.5s, baz=74, slow=6.6, SNR=10			
VTS Vitoshka	83.43 313 iP	P	04 41 08.0 +0.3
NORSAR Subarra	83.50 333 P	P	04 41 06.5 -1.0
NOA NORSAR Array B	83.50 333 P	P	04 41 06.6 -1.0
comp=Z, 2.5nm, 0.7s, baz=64, slow=4.9, SNR=13			
MDVR Moldovita	83.75 315 iP	P	04 41 09.5 +0.3
YVHS Yhne	84.36 319 eP	P	04 41 15.1 +2.9
IDI Anoyia	84.45 305 P	P	04 41 11.8 -1.2
comp=Z, 5.1nm, 0.9s, baz=8.7, slow=13, SNR=2.4			
DLBC Dease Lake	84.45 30 P	P	04 41 11.4 -1.1
comp=Z, 12nm, 1.3s, baz=244, slow=5.8, SNR=3.6			
VRAC Bergsjussubarr	85.44 309 iP	P	04 41 13.5 -4.1
BRG Bergsjussubarr	86.39 323 eP	P	04 41 26.0 +3.8
comp=Z, 5.6nm, 1.0s			
CONA Conrad Observa	86.42 319 eP	P	04 41 24.9 +2.3
comp=Z, 4.2nm, 0.8s			
CLL Obir	86.75 323 eP	P	04 41 22.0 -0.2
ARSA Arzberg	86.89 319 eP	P	04 41 28.1 +3.2
comp=Z, 2.3nm, 0.6s			
GERES GERES Array B	87.37 321 P	P	04 41 27.4 +0.2
comp=Z, 0.8nm, 0.7s, baz=85, slow=3.2, SNR=5.0			
SOKA Anoyia	87.43 318 eP	P	04 41 30.3 +2.8
comp=Z, 5.0nm, 1.3s			
MOA Molin	87.43 320 P	P	04 41 30.8 +3.4
comp=Z, 5.7nm, 1.1s			
MBKA Molin	87.80 318 eP	P	04 41 33.3 +4.0
MYKA Terra Mystica	88.32 319 P	P	04 41 33.9 +2.1
comp=Z, 6.1nm, 1.0s			
YKA Yellowknife Arr	88.79 22 P	P	04 41 33.7 +0.2
comp=Z, 2.0nm, 0.7s, baz=311, slow=4.2, SNR=6.8			
ABTA Abfattersbach	88.98 319 eP	P	04 41 37.7 +2.8
WATA Wattenberg	89.29 320 eP	P	04 41 38.8 +2.3
comp=Z, 2.0nm, 0.6s			
WTTA Walderalm	89.30 320 eP	P	04 41 38.7 +2.2
comp=Z, 2.3nm, 0.5s			
MOTA Moosalm	89.58 320 eP	P	04 41 40.0 +2.2
comp=Z, 2.1nm, 0.7s			
RETA Retzberg	89.73 320 eP	P	04 41 40.5 +2.2
comp=Z, 1.1nm, 0.4s			
FETA Feichten	89.96 320 eP	P	04 41 42.6 +3.0
comp=Z, 7.4nm, 0.9s			
DAVA Damuels	90.35 321 iP	P	04 41 43.9 +2.5
comp=Z, 2.8nm, 1.1s			
DAVX Davos/Dischmat	95.99 320 P	P	04 41 42.4 -0.1
comp=Z, 3.3nm, 0.8s, baz=69, slow=13, SNR=4.2			

Mw=0.52; Mw=0.17; Mw=1.47; Mw=0.17; Mw=0.80; Best double couple: Mo: 1.80000e+20 NP1: 2.289 00000; 811.00000; 1.81.00000; NP2: 1.18.00000; 880.00000; 1.92.00000. Principal axes: T: 1.8400, P1: 555.00000; Azm: 30.00000; N: -1.0000, P2: 0.00000; Azm: 298.00000; P: -1.7400, P3: 0.00000; Azm: 207.00000; ISC 27 04:37:19.77:0.4, 12.131N:0.03, 88.66W:0.03, h16km₂zkm, h16km; p-P, 1986, 3304/1723, mb5.8/370, MS7.1/765, 17C-12D, Off coast of central America

Code	Station Name	A ^x	Az ^z	Phase ID	Time	Res
UESV	Ujshujada	1.25	354	eP	04 37 44.8 +1.0	ISC
CSGN	Cosiguina Volc	1.36	52	ePn	04 37 43.3 -0.9	Sn
CSGN	Cosiguina Volc	1.36	52	ePn	04 37 43.3 -0.9	Pn
PACA	Passafium	1.37	14	eP	04 37 43.4 -0.9	Pn
LCND	La Cañada	1.39	33	eP	04 37 43.0 -1.5	Pn
CNCH	Conchagua	1.40	35	eP	04 37 44.0 -0.6	Pn
LFRS	El Faro	1.53	35	eP	04 37 44.5 -2.0	Pn
PAVA	Las Pavas	1.59	35	eP	04 37 45.9 -1.5	Pn
SOYA	Soyapango	1.63	34	eP	04 37 46.8 -1.2	Pn
LBRS	Las Brisas	1.64	34	eP	04 37 46.4 -1.6	Pn
SNET	Serv Nac Est T	1.64	34	eP	04 37 46.1 -1.9	Pn
COLS	Colinas	1.65	33	eP	04 37 46.3 -1.7	Pb
UESB	San Salvador	1.65	34	eP	04 37 49.3 -0.5	Pb
UDSS	Soyapango	1.66	34	eP	04 37 48.1 0.0	Pn
CPAM	San Salvador	1.66	34	eP	04 37 47.0 -1.2	Pn
LFJA	La Fuente	1.68	34	eP	04 37 46.8 -1.5	Pn
UESB	San Salvador	1.68	34	eP	04 37 46.9 -1.6	Pn
CAHU	Cacuahuatque	1.69	15	eP	04 37 46.2 -2.5	Pn
CEVE	Corro Verde	1.93	31	eP	04 37 50.4 -1.7	Pn
SBSL	San Blas	1.94	31	eP	04 37 50.6 -1.6	Pn
CNCR	Centro Negro	1.95	79	eP	04 37 50.4 -1.8	Pn
SNJE	San Jose	1.96	32	eP	04 37 50.9 -1.5	Pn
RTR	El Retiro	2.00	33	eP	04 37 51.8 -1.2	Pn
COPN	Copaltepe	2.02	38	eP	04 37 51.4 -1.8	Pn
MOMM	Momotombo	2.09	82	eP	04 37 51.8 -2.3	Pn
APYN	Apoyeque	2.26	87	eP	04 37 54.5 -1.9	Pn
XAVN	Xela Nuevo	2.28	99	eP	04 37 56.2 -1.7	Pn
BRAN	Las Pilas	2.33	75	eP	04 37 55.6 -1.8	Pn
TGUH	Tegucigalpa, Un	2.34	35	ePn	04 37 57.3 -0.2	Sn
TGUH	Tegucigalpa, Un	2.34	35	ePn	04 38 15.9 -1.0	Sn
MT03	Montecristo	2.35	34	eP	04 37 57.0 -1.0	Pn
MGAN	Managua	2.36	89	eP	04 37 56.1 -1.7	Pn
ESTEL	Estel	2.42	66	eP	04 37 56.9 -1.7	Pn
ESTN	Estel	2.46	66	eP	04 37 57.2 -1.7	Pn
MASN	Masaya	2.46	93	eP	04 37 58.0 -1.2	Pn
IXG	Ixapaco	2.68	31	eP	04 38 00.5 -1.8	Pn
MATN	Matagalpa	2.79	73	eP	04 38 01.6 -2.2	Pn
BOAC	BOAC BROADBA	94	64	ePn	04 38 03.6 -1.	

27d 4h

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Table with columns: ID, Name, Time, Date, Status, Location, etc. Rows include Moore Haven, Pamplona, Chingaza, Wimauma, Wauchula, etc.

Table with columns: ID, Name, Time, Date, Status, Location, etc. Rows include Pinckard, Dozier, Westbrock Farm, Flagon Creek, Hilliard, etc.

Table with columns: ID, Name, Time, Date, Status, Location, etc. Rows include JCT, Z47A, 154A, 154A, 154A, etc.

1245

OXF	comp=Z,1µm,1.3s	LR	LR				
OXF	comp=Z,645µm,22.0s						
OXF	Oxford	22.29 358	eP	P	04 42 15.1	-1.2	
OXF	comp=Z,1µm,1.3s						
OXF							
OXF	comp=Z,645µm,22.0s						
OXF	Oxford	22.29 358	P	P	04 42 14.7	-1.7	
X47A	Russellville	22.30 2	P	P	04 42 14.6	-1.8	
X44A	Crenshaw	22.31 357	P	P	04 42 14.9	-1.6	
Y54A	Tignall	22.31 13	P	P	04 42 15.1	-1.5	
X43A	Booneville	22.32 0	P	P	04 42 15.0	-1.7	
X46A	Marvell	22.38 355	eP	P	04 42 16.0	-1.2	
X43A	comp=Z,420µm,22.0s						
X43A	Marvell	22.38 355	P	P	04 42 16.4	-0.9	
X49A	Woodville	22.38 5	P	P	04 42 15.7	-1.6	
X50B	Fort Payne	22.40 7	P	P	04 42 15.6	-1.9	
H06S1	SOCORRO T	22.46 290	T	T	05 05 36.5		
X42A	Stuttgart	22.48 354	P	P	04 42 17.1	-1.2	
H06N1	SOCORRO T-PHASE2	22.52 290	T	T	05 05 28.3		
SJG	San Juan	22.52 72	P	P	04 42 17.2	-1.7	
SJG	comp=Z,5.5nm,0.7s,baz=281,slow=8.8,SNR=3.6						
SJG	San Juan	22.52 72	eP	P	04 42 16.1	-2.8	
SJG	comp=Z,916nm,1.9s						
SJG							
SJG	comp=Z,194µm,22.0s						
SJG	San Juan	22.52 72	eP	P	04 42 18.2	-0.7	
SJG	San Juan	22.52 72	eP	P	04 42 16.1	-2.8	
SJG							
SJG	comp=Z,916nm,1.9s						
SJG							
X41A	Kaden, Bauxite	22.54 352	P	P	04 42 17.8	-1.2	
X40A	Basin Creek Fa	22.58 351	eP	P	04 42 18.1	-1.3	
X40A	comp=Z,360µm,22.0s						
X40A	Basin Creek Fa	22.58 351	P	P	04 42 18.2	-1.3	
X51A	Calhoun	22.60 8	eP	P	04 42 18.1	-1.6	
X51A	comp=Z,624nm,1.2s						
X51A	Calhoun	22.60 8	P	P	04 42 18.0	-1.6	
ABTX	Abilene, Hawle	22.75 335	eP	P	04 42 18.6	-2.8	
ABTX	comp=Z,174µm,21.0s						
ABTX	Abilene, Hawle	22.75 335	P	P	04 42 18.7	-2.7	
PLAL	Pickwick Lake	22.75 1	eP	P	04 42 19.2	-2.1	
PLAL	comp=Z,206nm,1.0s						
MIAR	Mount Ida	22.76 349	eP	P	04 42 19.7	-1.6	
MIAR	comp=Z,196µm,19.0s						
MIAR	Mount Ida	22.76 349	eP	P	04 42 19.7	-1.6	
MIAR	comp=Z,2µm,1.2s						
MIAR	Mount Ida	22.76 349	P	P	04 42 19.8	-1.5	
HODGE	Hodges	22.76 14	eP	P	04 42 19.1	-2.2	
HODGE	comp=Z,204nm,1.3s						
X52A	Dahlonega	22.79 10	P	P	04 42 20.1	-1.6	
UALR	University of	22.79 352	eP	P	04 42 20.4	-1.2	
UALR	comp=Z,314µm,19.0s						
X53A	Estanoli	22.80 11	P	P	04 42 20.2	-1.6	
HUMP	Col San Antoni	22.80 72	eP	P	04 42 17.7	-4.2	
HUMP	comp=Z,167nm,1.1s						
HUMP							
X39A	Fountain Ranch	22.82 348	P	P	04 42 20.2	-1.8	
CBYP	Canovas	22.82 72	eP	P	04 42 18.2	-4.0	
CBYP	comp=Z,161nm,1.0s						
CBYP							
W46A	Memphis-Engin	22.90 1	P	P	04 42 20.7	-2.1	
MET	Memphis-Engin	22.92 357	eP	P	04 42 21.0	-2.0	
MET	comp=Z,376nm,1.0s						
W45A	Hickory Valley	22.93 359	P	P	04 42 20.8	-2.3	
W43A	Forest City	22.93 356	P	P	04 42 21.2	-1.9	
W44A	Shelby Farms P	22.93 358	P	P	04 42 20.4	-2.7	
W48A	Pulaski	22.96 4	P	P	04 42 21.6	-1.9	
W49A	Belvidere	22.99 5	P	P	04 42 21.7	-2.0	
W47A	Westpoint	23.04 2	P	P	04 42 22.0	-2.2	
JSC	Jenkinsville	23.06 16	eP	P	04 42 23.1	-1.4	
JSC	comp=Z,343µm,22.0s						
JSC	Jenkinsville	23.06 16	eP	P	04 42 23.1	-1.4	
JSC	comp=Z,752nm,1.1s						
JSC							
MTP	Monte Pianta	23.07 72	eP	P	04 42 21.0	-3.7	
MTP	comp=Z,171nm,0.8s						
MTP							
SWET	Seawane	23.11 6	eP	P	04 42 22.8	-2.3	
SWET	comp=Z,791nm,1.6s						
W50A	Signal Mountain	23.17 7	eP	P	04 42 23.2	-2.4	
W50A	comp=Z,372µm,22.0s						
W50A	Signal Mountain	23.17 7	eP	P	04 42 23.3	-2.2	
W41B	Gary Mavity, V	23.17 353	eP	P	04 42 24.1	-1.4	
W41B	comp=Z,3µm,1.9s						
W41B							
W41B	comp=Z,301µm,20.0s						
W41B	Gary Mavity, V	23.17 353	P	P	04 42 24.2	-1.3	
W42A	Bald Knob	23.18 354	P	P	04 42 24.3	-1.4	
W51A	Cleveland	23.20 8	P	P	04 42 24.2	-1.6	
SLBS	Sierra La Lagu	23.25 303	eP	P	04 42 27.4	+0.8	
SLBS	comp=Z,3µm,2.0s						
W52A	Murphy	23.26 10	eP	P	04 42 24.9	-1.6	
W52A	comp=Z,1µm,1.7s						

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W52A	Murphy	23.26 10	P	P	04 42 24.8	-1.8	
W40A	Ferguson Farm	23.30 351	eP	P	04 42 25.8	-1.2	
W40A	comp=Z,1µm,1.0s						
W40A	Ferguson Farm	23.30 351	P	P	04 42 25.7	-1.2	
BG3	Lake Jocassee	23.35 12	eP	P	04 42 26.2	-1.2	
BG3	comp=Z,541nm,1.3s						
CUPR	Culpea, Pier	23.36 72	eP	P	04 42 23.8	-3.9	
CUPR	comp=Z,157µm,18.0s						
HBAR	Harrisburg	23.39 356	eP	P	04 42 26.1	-1.7	
HBAR	comp=Z,274µm,19.0s						
W39A	Magazine	23.43 349	eP	P	04 42 26.8	-1.3	
W39A	comp=Z,482µm,21.0s						
W39A	Magazine	23.43 349	P	P	04 42 26.9	-1.3	
PAULI	Pauline	23.43 14	eP	P	04 42 24.9	-3.3	
PAULI	comp=Z,246µm,31.0s						
PAULI	Culow	23.47 11	P	P	04 42 27.0	-1.7	
W53A	Culow	23.47 11	P	P	04 42 26.3	-2.6	
V45A	Humboldt	23.51 359	P	P	04 42 27.6	-1.4	
CPCT	Cooper Cave	23.52 8	eP	P	04 42 26.7	-2.8	
CPCT	comp=Z,540nm,1.6s						
V48A	Smith Brothers	23.56 4	eP	P	04 42 27.0	-2.5	
V48A	comp=Z,468µm,22.0s						
V48A	Smith Brothers	23.56 4	P	P	04 42 26.4	-3.2	
V46A	Holladay	23.57 1	P	P	04 42 28.0	-2.0	
V43A	Jonesboro	23.61 356	P	P	04 42 27.1	-2.9	
V47A	Nunnally	23.61 2	P	P	04 42 28.2	-2.4	
V44A	Blaytheville	23.62 357	P	P	04 42 28.2	-2.4	
PCRV	Puerto La Cruz	23.65 92	eP	P	04 46 47.8	+2.8	
PCRV	comp=Z,9.2nm,0.7s,baz=316,slow=8.5,SNR=8.8						
V50A	Pikeville	23.66 7	P	P	04 42 28.2	-2.2	
V49A	McMinnville	23.66 6	P	P	04 42 27.8	-2.7	
STVI	Saint Thomas	23.68 72	eP	P	04 42 27.3	-3.5	
STVI	comp=Z,305nm,0.8s						
STVI	Halls	23.68 359	eP	P	04 42 28.0	-2.6	
HALT	Halls	23.68 359	eP	P	04 42 28.0	-2.6	
HALT	comp=Z,871nm,1.3s						
V42A	Cord	23.70 354	P	P	04 42 28.4	-2.4	
LPIG	La Paz	23.73 303	P	P	04 46 44.3	-1.7	
LPIG	comp=Z,20nm,0.8s,baz=147,slow=1.6,SNR=3.6						
CDVI	St. Croix	23.74 73	eP	P	04 42 27.7	-3.7	
CDVI	comp=Z,111nm,0.3s,baz=173,slow=1.7,SNR=2.8						
GNAR	Gosnell	23.76 357	eP	P	04 42 29.4	-2.0	
GNAR	comp=Z,236nm,0.8s						
GNAR							
GNAR	comp=Z,630µm,22.0s						
V41A	Mountainview	23.76 353	P	P	04 42 29.4	-2.0	
V41A	comp=Z,171µm,19.0s						
TKL	Tuckaleechee C	23.84 10	eP	P	04 42 30.0	-2.2	
TKL	comp=Z,94nm,1.0s,baz=190,slow=11,SNR=21.1						
TKL	Tuckaleechee C	23.84 10	eP	P	04 46 50.3	+2.8	
TKL	comp=Z,593nm,1.0s						
TKL	Tuckaleechee C	23.84 10	eP	P	04 42 30.0	-2.2	
TKL	comp=Z,288µm,18.0s						
TKL	Tuckaleechee C	23.84 10	eP	P	04 46 50.3	+2.8	
TKL	comp=Z,509nm,1.0s						
TKL							
KMSC	Kings Mountain	23.85 15	eP	P	04 42 30.1	-2.2	
KMSC	comp=Z,288µm,18.0s						
KMSC	Kings Mountain	23.85 15	P	P	04 42 30.7	-1.6	
V40A	Witts Springs	23.87 352	eP	P	04 42 30.7	-1.8	
V40A	comp=Z,2µm,1.5s						
V40A	Witts Springs	23.87 352	P	P	04 42 30.8	-1.7	
V51A	Loudon	23.89 9	eP	P	04 42 30.2	-2.4	
V51A	comp=Z,1µm,1.9s						
V51A	Loudon	23.89 9	P	P	04 42 30.7	-1.9	
V51A	comp=Z,224µm,21.0s						
V51A	Loudon	23.89 9	eP	P	04 42 30.0	-2.8	
V51A	comp=Z,190µm,1.9s						
V51A	Waverly	23.91 2	eP	P	04 42 30.0	-2.8	
V51A	comp=Z,230nm,0.9s						
V51A	Waverly	23.91 2	eP	P	04 42 30.0	-2.8	
V51A	comp=Z,481µm,22.0s						
V51A	Waverly	23.91 2	eP	P	04 42 30.0	-2.8	
V51A	comp=Z,230nm,0.9s						
V51A	Waverly	23.91 2	P	P	04 42 30.0	-2.8	
V51A	comp=Z,481µm,22.0s						
V51A	Waverly	23.91 2	P	P	04 42 30.0	-2.8	
V51A	comp=Z,182µm,1.1s						
V53A	Saluda	24.02 12	eP	P	04 42 32.2	-1.7	
V53A	comp=Z,502nm,0.9s						
V53A	Saluda	24.02 12	P	P	04 42 32.3	-1.7	
V53A	comp=Z,236µm,19.0s						
V39A	Pettigrew	24.03 350	P	P	04 42 32.4	-1.7	
V39A	comp=Z,194µm,17.0s						
GLAT	Glass	24.04 359	eP	P	04 42 31.9	-2.2	
GLAT	comp=Z,1µm,1.1s						
GLAT	Sevierville	24.05 10	eP	P	04 42 32.5	-1.6	
GLAT	comp=Z,592µm,22.0s						
V52A	Sevierville	24.05 10	P	P	04 42 32.1	-2.0	
V52A	comp=Z,346µm,18.0s						
V52A	Sevierville	24.05 10	P	P	04 42 32.2	-2.4	
V52A	comp=Z,192µm,15.0s						
UTMT	University of	24.11 360	eP	P	04 46 44.4	-7.3	
UTMT	comp=Z,588nm,0.9s						
UTMT	Burton Farm, H	24.11 359	P	P	04 42 32.0	-2.7	
UTMT	comp=Z,1µm,1.1s						
U45A	Rockin P Farm,	24.11 360	P	P	04 42 31.7	-3.0	
U45A	comp=Z,180µm,1.9s						

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S39A	comp=Z,1um,0.8s	LR	LR						
S39A	comp=Z,226um,22.0s	LR	LR						
S39A	Bolivar 25.79 351 P	P	P	04 42 47.6	-2.4				
FVM	French Village 25.79 357 eP	P	P	04 42 47.8	-2.2				
FVM	comp=Z,610um,22.0s	LR	LR						
FVM	French Village 25.79 357 eP	P	P	04 42 47.8	-2.2				
FVM	comp=Z,113nm,0.9s	MLR	MLR						
S51A	Beattyville 25.80 9 eP	P	P	04 42 47.8	-2.3				
S51A	comp=Z,263um,21.0s	LR	LR						
S51A	Beattyville 25.80 9 P	P	P	04 42 47.4	-2.7				
S38A	Stockton 25.82 350 P	P	P	04 42 47.8	-2.4				
CCM	Cathedral Cave 25.92 355 eP	P	P	04 42 49.1	-2.0				
CCM	comp=Z,557um,22.0s	LR	LR						
CCM	Cathedral Cave 25.92 355 eP	P	P	04 42 49.1	-2.0				
CCM	comp=Z,773nm,0.8s	MLR	MLR						
CCM	comp=Z,557um,22.0s	MLR	MLR						
CCM	Cathedral Cave 25.92 355 P	P	P	04 42 48.9	-2.2				
CCM	comp=Z,174um,22.0s	P	P	04 42 48.5	-2.7				
S52A	Salyersville 25.93 10 P	P	P	04 42 48.5	-2.7				
R46A	Gibson Southern 25.99 2 P	P	P	04 42 48.8	-3.0				
R44A	Waltonville 26.01 359 P	P	P	04 42 49.4	-2.6				
MLYT	Lee's Yard 26.03 77 eP	P	P	04 42 52.6	+0.3				
BLA	Blacksburg 26.05 15 eP	P	P	04 42 50.2	-2.1				
BLA	comp=Z,327nm,1.3s	LR	LR						
BLA	Blacksburg 26.05 15 P	P	P	04 42 50.3	-2.1				
R45A	Skylar, Fairir 26.05 1 P	P	P	04 42 49.6	-2.7				
R43A	Red Bud 26.06 358 P	P	P	04 42 49.8	-2.6				
WCI	Wyandotte Cave 26.07 4 eP	P	P	04 42 49.6	-2.9				
WCI	comp=Z,345um,21.0s	LR	LR						
WCI	Wyandotte Cave 26.07 4 eP	P	P	04 42 49.6	-2.9				
WCI	comp=Z,250nm,0.8s	P	P						
WCI	comp=Z,345um,21.0s	MLR	MLR						
WCI	Wyandotte Cave 26.07 4 P	P	P	04 42 49.4	-3.2				
R42A	Luebbering 26.11 356 P	P	P	04 42 50.1	-2.8				
R47A	Wooly Knot Far 26.12 4 P	P	P	04 42 50.0	-3.0				
R41A	Rosebud 26.17 355 P	P	P	04 42 50.8	-2.6				
R49A	Shelbyville 26.24 6 P	P	P	04 42 50.9	-3.1				
R40A	Maddies Station 26.25 354 eP	P	P	04 42 51.4	-2.7				
R40A	comp=Z,625um,22.0s	LR	LR						
R40A	Maddies Station 26.25 354 P	P	P	04 42 51.6	-2.5				
R48A	Northridge Ran 26.28 5 P	P	P	04 42 51.4	-3.0				
R50A	Paris 26.33 8 P	P	P	04 42 52.2	-2.6				
R39A	Chumby, Stover 26.36 352 P	P	P	04 42 52.7	-2.5				
R38A	Penwit Farm, 26.37 351 P	P	P	04 42 52.5	-2.7				
CPD	Boggy Peak 26.38 76 eP	P	P	04 43 02.2	+6.6				
GDHS	Morne Mazeau, 26.39 78 eP	P	P	04 42 52.1	-3.6				
GRGR	Grenville 26.40 87 eP	P	P	04 42 52.8	-2.9				
GRGR	comp=Z,2um,2.0s	LR	LR						
GRGR	Grenville 26.40 87 IAmb	IAmb	IAmb	04 43 59.6					
GRGR	Grenville 26.40 87 eP	P	P	04 42 58.7	+3.0				
GRHS	Sauteurs 26.41 87 eP	P	P	04 43 00.0	+4.2				
GRSS	Sisters 26.43 87 eP	P	P	04 43 02.0	+6.0				
SLM	Saint Louis 26.43 357 eP	P	P	04 42 52.7	-3.1				
SLM	comp=Z,187nm,0.7s	LR	LR						
SLM	Saint Louis 26.43 357 eP	P	P	04 42 52.7	-3.1				
SLM	comp=Z,187nm,0.7s	MLR	MLR						
R51A	Hillsboro 26.45 9 P	P	P	04 42 53.4	-2.5				
OLIL	Olney 26.50 1 eP	P	P	04 42 54.1	-2.2				
OLIL	comp=Z,244nm,0.9s	LR	LR						
ANWB	Willy Bob 26.53 75 eP	P	P	04 42 54.0	-2.9				
ANWB	comp=Z,103nm,0.8s	LR	LR						
ANWB	Willy Bob 26.53 75 eP	P	P	04 42 57.4	+0.5				
BBL	Barber's Block 26.61 80 eP	P	P	04 42 57.3	-0.3				
MDPO	Dominica; Chan 26.63 79 P	P	P	04 42 58.8	+1.0				
R52A	Cattletsburg 26.64 11 P	P	P	04 42 54.8	-2.9				
Q45A	Warren Harvey, 26.66 1 P	P	P	04 42 55.0	-2.7				
Q44A	Meyer Farm, Va 26.66 359 P	P	P	04 42 55.1	-2.7				
MDN	Morne-Daniel 26.67 80 eP	P	P	04 43 00.8	+2.7				
MDVC	Dominica, Viel 26.68 79 eP	P	P	04 42 58.7	+0.5				
NNA	Nana 26.68 153 P	P	P	04 43 00.4	+2.2				
NNA	comp=Z,1.6nm,0.3s,baz=328,slow=19,SNR=1.9	S	S	04 47 37.0	+3.8				
NNA	Nana 26.68 153 eP	P	P	04 42 57.0	-1.3				
NNA	comp=Z,5.6nm,0.8s,baz=212,slow=14,SNR=1.8	S	S	04 47 37.0	+3.8				
NNA	comp=Z,478nm,1.8s	LR	LR						
HSIG	comp=Z,45um,19.0s	LR	LR						
HSIG	comp=Z,199nm,1.1s	LR	LR						
HSIG	comp=Z,466um,19.0s	LR	LR						
Q43A	New Douglas 26.71 312 eP	P	P	04 42 58.0	-0.4				
Q42A	Golden Eagle 26.72 357 P	P	P	04 42 55.9	-2.5				
SVB	Belmont 26.76 85 eP	P	P	04 42 55.2	-3.8				
SVB	comp=Z,320nm,1.3s	LR	LR						
SVB	Belmont 26.76 85 eP	P	P	04 43 01.8	+2.8				
TRN	Trinidad 26.76 90 eP	P	P	04 43 08.6	+1.0				
Q47A	Bedord North L 26.77 4 P	P	P	04 42 55.8	-3.0				
SRIG	Santa Rosalia 26.78 308 eP	P	P	04 42 59.0	0.0				
SRIG	comp=Z,778nm,1.4s	LR	LR						
MGG	Marie-Galante 26.78 79 eP	P	P	04 43 06.5	+7.3				
SVV	Soufriere Volc 26.79 84 eP	P	P	04 43 11.1	+1.2				
Q46A	CEJHS Indians, 26.81 2 P	P	P	04 42 56.2	-2.9				
Q41A	Truxton 26.81 356 P	P	P	04 42 56.7	-2.5				
Q48A	North Vernon 26.82 5 P	P	P	04 42 55.8	-3.5				
121A	Cookes Peak, D 26.84 322 P	P	P	04 42 59.4	-0.4				
121A	Cookes Peak, D 26.84 322 eP	P	P	04 42 59.9	+0.1				
SVCV	St. Vincent, C 26.86 85 eP	P	P	04 43 05.5	+5.6				

FDF	Fort de France 26.88 81 eP	P	P	04 42 56.5	-3.6				
FDF	comp=Z,132nm,0.9s	LR	LR						
FDF	Fort de France 26.88 81 eP	P	P	04 43 00.7	+0.6				
FDF	Fort de France 26.88 81 eP	P	P	04 43 01.4	+1.4				
FDF	Fort de France 26.88 81 eP	P	P	04 42 56.5	-3.6				
FDF	comp=Z,133nm,0.9s	P	P						
FDF	comp=Z,241um,19.0s	MLR	MLR						
Q40A	Laux Farm, Aux 26.93 354 P	P	P	04 42 57.5	-2.8				
Q50A	Georgetown 26.93 8 P	P	P	04 42 57.1	-3.1				
Q49A	Aurora 26.97 6 P	P	P	04 42 57.7	-2.9				
319A	Douglas 26.99 318 eP	P	P	04 42 58.3	-2.8				
319A	comp=Z,674nm,0.9s	LR	LR						
319A	comp=Z,426um,19.0s	LR	LR						
319A	Douglas 26.99 318 eP	P	P	04 42 58.0	-3.1				
BLO	Bloomington 27.00 4 eP	P	P	04 42 58.3	-2.6				
BLO	comp=Z,157nm,0.9s	LR	LR						
BLO	Bloomington 27.00 4 eP	P	P	04 42 58.3	-2.6				
BLO	comp=Z,550um,22.0s	MLR	MLR						
BLO	comp=Z,157nm,0.9s	MLR	MLR						
BLO	comp=Z,550um,22.0s	MLR	MLR						
Q39A	Willow Grove F 27.08 353 P	P	P	04 42 58.9	-2.7				
Q38A	Cooks Store, C 27.08 351 P	P	P	04 42 59.1	-2.5				
Q37A	Longview Farm, 27.13 350 P	P	P	04 42 59.4	-2.6				
Q51A	Peobles 27.20 9 P	P	P	04 43 00.3	-2.4				
P44A	Sand Creek, Wi 27.23 0 P	P	P	04 42 59.9	-3.0				
P45A	Graceland, Par 27.30 2 eP	P	P	04 43 00.7	-2.9				
P45A	comp=Z,137nm,1.0s	LR	LR						
P45A	comp=Z,386um,21.0s	LR	LR						
P45A	Graceland, Par 27.30 2 P	P	P	04 43 00.6	-2.9				
P47A	Martinsville 27.33 4 P	P	P	04 43 00.1	-3.7				
BNM	Barren Site 27.36 326 eP	P	P	04 43 03.9	-0.6				
P48A	Milroy 27.37 5 P	P	P	04 43 00.4	-3.8				
P42A	Winchester 27.38 357 eP	P	P	04 43 01.5	-2.8				
P42A	comp=Z,280nm,1.3s	LR	LR						
P42A	Winchester 27.38 357 P	P	P	04 43 01.4	-2.9				
P42A	comp=Z,517um,22.0s	LR	LR						
P42A	Winchester 27.38 357 P	P	P	04 43 01.6	-2.9				
P46A	Rosedale 27.41 2 P	P	P	04 43 01.6	-2.9				
P43A	Skaggs, Pawnee 27.41 359 P	P	P	04 43 01.5	-3.0				
P40A	Paris 27.45 354 eP	P	P	04 43 01.4	-3.5				
P40A	comp=Z,531nm,0.9s	LR	LR						
P40A	Paris 27.45 354 P	P	P	04 43 02.1	-2.8				
Y22D	IRIS PASSCAL I 27.46 326 eP	P	P	04 43 02.5	-2.8				
Y22D	IRIS PASSCAL I 27.46								

27d 4h

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like E38A, E44A, E44A, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like LOHW, LOHW, LOHW, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like VCNR, VCNR, VCNR, etc.

27d 4h

KKO	comp-Z,117um,19.0s Keanakako'i	64.19 286	eP	P	04 47 50.1	-4.2
KKO	comp-Z,510nm,1.7s					
KKO	comp-Z,117um,19.0s	64.19 286	PFAKE	LR	04 48 00.0	+5.6
RIM	Rim					
UWB	comp-Z,117um,18.0s Uwekahuna B	64.19 286	eP	P	04 47 49.9	-4.5
UWB	comp-Z,139nm,1.1s					
UWB	comp-Z,117um,19.0s	64.20 286	PFAKE	LR	04 48 00.0	+5.6
NPH	North Pit					
NPH	comp-Z,110um,19.0s Observatory Le	64.20 286	eP	P	04 47 50.7	-3.7
OBL	comp-Z,418nm,1.6s					
OBL	comp-Z,118um,19.0s	64.21 286	eP	P	04 47 51.5	-3.0
UWE	Uwekahuna					
UWE	comp-Z,248nm,1.3s					
UWE	comp-Z,119um,19.0s	64.21 286	PFAKE	LR	04 48 10.0	+16
SDHHI	Sand Hill					
SDHHI	comp-Z,122um,19.0s	64.22 286	PFAKE	LR	04 48 10.0	+15
WRMH	West Rim					
WRMH	comp-Z,118um,19.0s	64.23 286	PFAKE	LR	04 48 10.0	+15
HLP	Hilina Pali					
HLP	comp-Z,120um,19.0s Dot Lake	64.23 336	eP	P	04 47 51.6	-2.2
DOT	comp-Z,202nm,1.6s					
DOT	Mauna Loa	64.29 286	PFAKE	LR	04 48 10.0	+15
MLH	MLH					
MLH	comp-Z,115um,19.0s	64.35 336	eP	P	04 47 53.1	-1.5
SCRK	Sand Creek					
SCRK	comp-Z,248nm,1.3s					
SCRK	comp-Z,408um,20.0s	64.37 286	PFAKE	LR	04 48 10.0	+14
AIN	Ainahu					
AIN	comp-Z,123um,18.0s	64.37 332	eP	P	04 47 50.5	-4.2
GLI	Glacier Island					
GLI	comp-Z,62nm,1.2s					
GLI	comp-Z,174um,22.0s	64.37 286	PFAKE	LR	04 48 10.0	+14
HMH	Humu'ula Sheep					
HMH	comp-Z,128um,18.0s	64.41 286	PFAKE	LR	04 48 10.0	+14
POHA	Pohakuloa					
POHA	comp-Z,108um,19.0s	64.47 286	PFAKE	LR	04 48 10.0	+13
MLOA	Mauna Loa Obse					
MLOA	comp-Z,123um,19.0s	64.49 286	PFAKE	LR	04 48 10.0	+13
MWH	Moku'aweo					
MWH	comp-Z,122um,19.0s	64.51 335	eP	P	04 47 53.2	-2.4
PAX	Paxson					
PAX	comp-Z,71nm,1.3s					
PAX	comp-Z,228um,19.0s	64.51 335	eP	P	04 47 53.2	-2.4
PAX	comp-Z,71nm,1.3s					
PAX	comp-Z,228um,19.0s	64.54 286	PFAKE	LR	04 48 10.0	+13
HPAH	Hawaii Prepara					
HPAH	comp-Z,85um,19.0s	64.55 247	eT	T	05 58 08.5	
PMOR	Pomarioleo Ree					
PMOR	comp-Z,9.1nm,0.2s	64.59 336	eP	P	04 47 54.4	-1.7
RIDG	Independ' Rld					
RIDG	comp-Z,74nm,1.1s					
RIDG	comp-Z,252um,21.0s	64.70 286	PFAKE	LR	04 48 10.0	+12
HUH	Hualalai					
HUH	comp-Z,136um,19.0s	64.76 286	PFAKE	LR	04 48 10.0	+12
KHLU	Kahaluu					
KHLU	comp-Z,131um,19.0s	64.84 333	eP	P	04 47 54.9	-2.9
SCM	Sheep Creek Mo					
SCM	comp-Z,105nm,1.2s					
SCM	comp-Z,153um,21.0s	64.84 333	eP	P	04 47 54.9	-2.9
SCM	comp-Z,105nm,1.2s					
SCM	comp-Z,153um,21.0s	64.89 9	iP	P	04 47 58.0	+0.3
KULLO	Kullorsuaq					
KULLO	comp-Z,310um,20.0s	64.89 9	iP	P	04 47 58.0	+0.3
KULLO	comp-Z,310um,20.0s					
HLK	Haleakala					
HLK	comp-Z,82um,19.0s	65.00 287	PFAKE	LR	04 48 10.0	+10
KHLH	Kahului Airpor					
KHLH	comp-Z,101um,19.0s	65.26 5	eP	P	04 47 57.4	-2.7
TULEG	Thule					
TULEG	comp-Z,145nm,1.3s					
TULEG	comp-Z,266um,20.0s	65.27 333	eP	P	04 47 55.8	-4.8
SML	Sawmill					
SML	comp-Z,132um,19.0s	65.27 333	eP	P	04 47 55.8	-4.8
SML	comp-Z,132um,19.0s					
DHY	Denali Highway					
DHY	comp-Z,132um,19.0s	65.35 335	PFAKE	LR	04 48 10.0	+8.8
GHO	Glory Hole Cre					
GHO	comp-Z,85nm,0.9s	65.52 333	eP	P	04 48 00.3	-1.9
GHO	comp-Z,196um,20.0s	65.55 333	PFAKE	LR	04 48 10.0	+7.7
PMR	Palmer					
PMR	comp-Z,195um,21.0s	65.71 336	eP	P	04 48 01.9	-1.4
HDA	Harding Lake					
HDA	comp-Z,418nm,1.9s					
HDA	comp-Z,257um,19.0s	65.75 331	PFAKE	LR	04 48 10.0	+6.3
BRLK	Bradley Lake					
BRLK	comp-Z,173um,20.0s	65.83 336	eP	P	04 48 02.6	-1.5
IL1	Eielson Array					
ILAR	Eielson Array					
ILAR	comp-Z,3.0nm,0.9s,baz=124,slow=3.9,SNR=25	65.83 336	eP	P	04 48 01.8	-2.3
ILB	Eielson Array					
CNPM	China Foot					
CNPM	comp-Z,189um,20.0s	65.99 339	eP	P	04 48 02.0	-3.0
FYU	Fort Yukon					
FYU	comp-Z,124nm,1.3s					
FYU	comp-Z,229um,20.0s	66.01 328	P	P	04 48 03.9	-1.4
KDAK	Kodiak Island					
KDAK	comp-Z,4.2nm,0.8s,baz=124,slow=13,SNR=2.0	66.01 328	eP	P	04 56 56.0	+3.7
KDAK	comp-Z,6.8nm,1.0s,baz=348,slow=19,SNR=1.9	66.01 328	eP	P	04 48 03.9	-1.4
KDAK	comp-Z,157um,20.0s	66.08 330	PFAKE	LR	04 48 20.0	+14
HOM	Homer					
HOM	comp-Z,165um,19.0s	66.09 335	eP	P	04 48 04.3	-1.6
RND	Reindeer					
RND	comp-Z,169nm,1.1s					
RND	comp-Z,218um,22.0s	66.14 336	eP	P	04 48 04.0	-2.0
CCB	Clear Creek Bu					
CCB	comp-Z,34nm,1.1s					
CCB	comp-Z,34nm,1.1s					
WRH	Wood River Hill					
WRH	comp-Z,227um,19.0s	66.19 336	eP	P	04 48 06.7	+0.3
WRH	comp-Z,28nm,0.8s					
WRH	comp-Z,262um,18.0s					

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OHAK	Old Harbor	66.22 328	eP	P	04 48 04.1	-2.5
OHAK	comp-Z,62nm,1.1s					
OHAK	comp-Z,234um,21.0s	66.23 332	PFAKE	LR	04 48 20.0	+13
SUA	Susitna One					
SUA	comp-Z,231um,20.0s	66.25 335	eP	P	04 48 04.4	-2.4
MCK	McKinley					
MCK	comp-Z,128nm,1.1s					
MCK	comp-Z,260um,20.0s	66.25 335	eP	P	04 48 04.4	-2.4
MCK	comp-Z,128nm,1.1s					
MCK	comp-Z,260um,20.0s	66.25 336	eP	P	04 48 03.7	-3.0
MCK	comp-Z,128nm,1.1s					
MCK	comp-Z,260um,20.0s	66.25 336	eP	P	04 48 03.7	-3.0
COLA	College					
COLA	comp-Z,64nm,1.1s					
COLA	comp-Z,65nm,1.1s	66.44 336	eP	P	04 48 04.6	-3.4
MDM	Murphy Dome					
MDM	comp-Z,61nm,1.2s					
MDM	comp-Z,219um,20.0s	66.53 327	PFAKE	LR	04 48 20.0	+11
SII	Sitkinak Islan					
SII	comp-Z,207um,21.0s	66.58 288	PFAKE	LR	04 48 20.0	+10
OPA	Opana					
OPA	comp-Z,85um,19.0s	66.60 288	PFAKE	LR	04 48 20.0	+10
HON	Honolulu					
HON	comp-Z,84um,20.0s	66.60 288	eP	P	04 48 06.2	-3.6
KIP	Kipapa					
KIP	comp-Z,541nm,2.0s	66.60 288	eP	P	04 48 06.2	-3.6
KIP	comp-Z,81um,18.0s	66.60 288	eP	P	04 48 06.2	-3.6
KIP	comp-Z,541nm,2.0s					
KIP	comp-Z,81um,18.0s	66.71 335	eP	P	04 48 06.1	-3.9
TRF	Thorofare Moun					
TRF	comp-Z,59nm,1.0s	66.75 169	PFAKE	LR	04 48 20.0	+10
GO10	Punta Arenas					
GO10	comp-Z,35um,18.0s	66.75 333	eP	P	04 48 07.4	-2.6
SKT	Skwentna					
SKT	comp-Z,109nm,1.4s					
SKT	comp-Z,180um,19.0s	66.99 245	PFAKE	LR	04 48 20.0	+7.7
PPTF	Pamatai, Papee					
PPTF	comp-Z,58um,18.0s	67.00 245	eS	S	04 57 06.4	+0.6
PPT2	Papeete2					
PPT2	comp-Z,430um,34.2s					
PPT2	comp-Z,207um,30.5s					
PPT2	comp-Z,447um,30.0s,baz=59					
KTH	Kantishna Hill	67.01 335	eP	P	04 48 09.3	-2.4
KTH	comp-Z,71nm,1.1s					
KTH	comp-Z,208um,19.0s	67.19 15	eP	P	04 48 08.8	-4.3
SUMG	Summit					
SUMG	comp-Z,354nm,1.1s	67.19 15	iP	P	04 48 12.9	-0.2
SUMG	comp-Z,402um,19.0s	67.19 15	eP	P	04 48 08.8	-4.3
SUMG	comp-Z,354nm,1.1s					
SUMG	comp-Z,402um,19.0s	67.23 335	eP	P	04 48 10.8	-2.2
BPAW	Bear Paw Mtn.					
BPAW	comp-Z,117nm,1.2s					
BPAW	comp-Z,231um,22.0s	67.34 334	eP	P	04 48 10.6	-3.3
PPLA	Purkeypile					
PPLA	comp-Z,209nm,1.5s					
PPLA	comp-Z,203um,21.0s	67.45 336	eP	P	04 48 12.1	-2.4
MLY	Manley					
MLY	comp-Z,114nm,1.1s					
MLY	comp-Z,238um,18.0s	67.46 334	eP	P	04 48 11.9	-2.6
CAST	Castle Rocks					
CAST	comp-Z,92nm,1.2s					
CAST	comp-Z,148um,22.0s	68.05 338	eP	P	04 48 16.8	-1.4
COLD	Coldfoot					
COLD	comp-Z,115nm,1.2s					
COLD	comp-Z,188um,20.0s	68.36 331	eP	P	04 48 18.2	-2.0
SVW2	Sparveohn					
SVW2	comp-Z,60nm,1.4s					
SVW2	comp-Z,153um,20.0s	68.38 340	eP	P	04 48 15.8	-4.5
TOLK	Toolik Lake Re					
TOLK	comp-Z,56nm,1.1s					
TOLK	comp-Z,231um,22.0s	68.38 340	P	P	04 48 18.4	-1

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like Raciborz, Modra-Piesok, Ostava-Krasne, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like Kalwaria Pacla, Magadan, Uzhgorod, etc.

Table with columns: Station, Name, Time, Frequency, Mode, and other parameters. Includes stations like SNAA, SNAE, URZ, etc.

27d 4h

ISCJB 27 04:43:52.0.0.8, 12.1°N, 0.2:88.6W, 0.1, h33km, mb4.3/6, Error ellipse: s-maj=27.0km s-min=8.5km az=38.0

ISC 27 04:43:55.0.0.8, 12.2°N, 0.2:88.5W, 0.1, h33km, n10, #081/11, mb4.3/6, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JTS JuntasAbangare, CMIG Matias Romero, PCRV Puerto La Cruz, SADO Sadowa, PDAR Piedrae Array, CPUP Villa Florida, YKA Yellowknife Ar, FITZ Fitzroy Crossi, CMAR Chiang Mai Arr.

ISCJB 27 04:44:32.0.1.7, 11.6°N, 0.2:89.03W, 0.1, h33km, mb4.6/12, Error ellipse: s-maj=25.4km s-min=11.4km

IDC 27 04:44:40.4.0.9, 12.42°N, 88.60W, h0km, mb4.6/11, mb1.4/8/12, mb1mx4.3/5.7, mbtmp4.6/12, ML4.1/1, Error ellipse: s-maj=30.5km s-min=20.4km az=71.0

NEIC 27 04:44:45.9.0.7, 12.38°N, 88.74W, h35km, mb4.5/1, Error ellipse: s-maj=19.0km s-min=13.9km az=68.0

ISC 27 04:44:45.1.0.9, 12.2°N, 0.1:88.9W, 0.1, h35km, n172, #113/172, mb4.7/12, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include CMIG Matias Romero, 442A Mamou, 833A Chaparral WMA, 441A DeRidder, 453A Whigham, 454A Quitman, 349A Repton, 348A Jackson, 344A Westbrook Farm, 350A Dottie, 342A Flagon Creek P, 341A Kurthwood, 352A Blakely, 353A Camilla, 457A Yulee, 243A Waterproof, 249A Camden, 245A Little AP, Sta, 247A Quitman, TIGA Tifton, 244A Avery, Jackson, 248A Dixon Mills, 250A Grady, 355A Pearson, VBMS Vicksburg, 242A Grayson, 251A Midway, 252A Lumpkin, 241A Mo Tay, Goldon, 435B Jarrell, NATX Nacogdoches, 253A Americas, 254A Abbeville, 145A Houston Renfro, 146A Union, 144A Alexander Plac, 147A Livingston, 148A Greensboro, 149A Jones, 142A Monroe, 150A Eclectic, 151A Opelika, 143A Soos Landing, 141A Papa Simpson, 256A Glennville, 152A Waverly Hall, 140A Cam and Jess, LRLAL Lakeview Retre, JCT Junction City, 246A Louisville, 247A Carrollton, 257A Skidaway Islan, 154A Montrose, 249A Columbiana, 243A Armstrong Fami, 244A Pea Ridge, Bel, 245A Winona, 248A Northport, 250A Ashland, 155A Kite, 242A Norrel Spur, H

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Table with columns: WHXT, Z41A, Z51A, Z40A, 156A, Z53A, Y45A, Y46A, Y47A, Z54A, Y48A, Y49A, GOGA, GOGA, Y44A, Y50A, Z55A, Y41A, Y51A, TXAR, Y52A, Y40A, Y53A, X45A, X48A, OXF, X44A, X47A, X46A, NHSC, Y54A, X49A, X50B, X42A, X41A, MIAR, X39A, W48A, W49A, W47A, W41B, W51A, W40A, V46A, V48A, V43A, V42A, V49A, V41A, V40A, TKL, KMSC, V39A, V53A, U44B, U46A, U43A, U42A, U41A, U40A, U49A, U50A, TUL1, U51A, U53A, T47A, T46A, T44A, T42A, T43A, T41A, T39A, T40A, S43A, S44A, S41A, S40A, S42A, S39A, S38A, CCM, S52A. Rows include Lake Whitney, Richland Creek, Franklin, Long Farm, Mag, Sylvania, Monticello, Yeager Farm, C, Houston, UCPARC, Winfie, Sparta, Jasper, Blount Mountai, Godfrey, Strider, Charl, Piedmont, Blythe, Eggleite Beard, Rockmart, Lajitas Array, Lilburn, Okolona, Monroe, New Field Stati, Hartsele, Oxford, Crenshaw, Russellville, Booneville, New Hope, Tignall, Woodville, Fort Payne, Stuttgart, Kaden, Bauxite, Mount Ida, Fountain Ranch, Pulaski, Belere, Westpoint, Gary Mavity, V, Cleveland, Ferguson Farm, Holladay, Smith Brothers, Jonesboro, Cord, McInnville, Mountainview, Witts Springs, Tuckaleechee C, Kings Mountain, Pettigrew, Saluda, Burton Farm, H, Springville, Rector, Revenden, Clarksville, Viola, Yelville, Red Boiling Sp, Jamestown, Leonard, La Follette, Fall Branch, Sharon Grove, Princeton, Benton, Van Buren, Greenville, Mountain View, Edmont, Clever, Marfield, Fulton Ridge, Carbondale, Jillico Farms, Lebanon, Caledonia, Bolivar, Stockton, Cathedral Cave, Salsysville.

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Table with columns: R46A, R44A, R43A, WCI, R41A, R42A, R39A, Q47A, Q41A, Q49A, CBN, O41A, O47A, SADO, NVAR, ULM, SCHO, YKA, PLCA, DLBC, ILAR, ESDC, MKAR, WRA, FITZ, CMAR. Rows include Gibon Southern, Waltonville, Red Bud, Wyandotte Cave, Luebering, Rusebud, Chumby, Stover, Bedord North L, Truxton, Aurora, Corbin Frederi, Passleys Farm, Sheridan, Sadowa, Mina Array Bay, Lac du Bonnet, Schefferville, Yellowknife Ar, Paso Flores, Dease Lake, Elison Array, Sonseca Array, Makani Array, Warramunga Arr, Fitzroy Crossi, Chiang Mai Arr.

IDC 27 04:47:02.0.0.7, 12.46°N, 88.68W, h0km, mb4.2/15, mb1.4/4/16, mb1mx4.1/5.9, mbtmp4.2/16, ML4.3/1, Error ellipse: s-maj=28.6km s-min=12.0km az=53.0

ISCJB 27 04:47:04.7.0.6, 12.24°N, 0.07:88.81W, 0.1, h35km, mb4.2/16, Error ellipse: s-maj=14.4km s-min=5.2km

NEIC 27 04:47:07.0.0.4, 12.44°N, 88.73W, h35km, mb4.4/1, Error ellipse: s-maj=14.6km s-min=6.5km az=50.0

ISC 27 04:47:07.1.0.6, 12.34°N, 0.09:88.7W, 0.1, h35km, n78, #136/80, mb4.3/16, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JTS JuntasAbangare, JTS JuntasAbangare, JTS Isla Barro Col, 344A Westbrook Farm, 342A Flagon Creek P, 341A Kurthwood, 352A Blakely, 247A Quitman, 242A Grayson, 252A Lumpkin, 241A Mo Tay, Goldon, 435B Jarrell, 147A Livingston, 149A Jones, 151A Opelika, 141A Papa Simpson, JCT Junction City, Z47A Carrollton, Z43A Armstrong Fami, Z40A Long Farm, Mag, Y46A Houston, Y47A UCPARC, Winfie, Y41A Eggleite Beard, TXAR Lajitas Array, ATAH Atahualpa, Y53A Monroe, Y40A Okolona, X43A Marvell, W47A Westpoint, W42A Bald Knob, W48A Smith Brothers, V49A McInnville, V42A Cord, V41A Mountainview, TKL Tuckaleechee C, KMSC Kings Mountain, PCRV Puerto La Cruz, U46A Springville, U42A Revenden, U47A Clarksville, U40A Yelville, T45A Paducah, T47A Sharon Grove, T43A Greenville, T49A Edmont, T51A Gray, T39A Clever, MSTX Muleshoe, S40A Lebanon, S39A Bolivar.

Table with columns: Code, Station Name, Az, El, Op, P, Res, Time, ISC, h, m, s, ISC. Includes stations like CCM Cathedral Cave, R46A Gibon Southern, R41A Rosebud, R39A Chumby, Stover, etc.

MOS 27 04:53:49.7 ± 1.5, 12.628N:88.80W, h10km, mb5.0/14, Error ellipse: s-maj=19.3km s-min=6.8km az=108.3

ISCJTB 27 04:53:50.0 ± 2.7, 04.50N:88.57W, h10km, mb4.1/15, mb1.4/3.17, mb1mx4.0/6.0, mbtmp4.1/1.7, ML3.8/2, Error ellipse: s-maj=32.5km s-min=12.4km az=54.0

CASC 27 04:53:50.9 ± 2.2, 12.28N:89.13W, h27km, 32km, ML4.1, mb4.8(NEIC) Error ellipse: s-maj=5.3km s-min=2.7km az=32.8

NEIC 27 04:53:55.0 ± 0.3, 12.62N:88.86W, h35km, mb4.8/102, Error ellipse: s-maj=7.8km s-min=4.5km az=224.0

ISC 27 04:53:53.1 ± 1.9, 12.44N:0.06:88.95W, 0.05, h3.1, mb5.9, mb1.9/3.53, mb4.7/10.0, Off coast of central America

Table with columns: Code, Station Name, Az, El, Op, P, Res, Time, ISC, h, m, s, ISC. Includes stations like LFRS El Faro, COLS Colinas, PAVA Las Pavas, etc.

Main table with columns: Code, Station Name, Az, El, Op, P, Res, Time, ISC, h, m, s, ISC. Includes stations like 342A Flagon Creek P, 341A Kurthwood, 352A Blakely, etc.

Main table with columns: Code, Station Name, Az, El, Op, P, Res, Time, ISC, h, m, s, ISC. Includes stations like Y50A Piedmont, Y41A Eagletree Beard, Z55A Blythe, etc.

27d 4h

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like U41A Viola, U48A Cassie Pea, U40A Yellville, etc.

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Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like Q37A Longview Farm, Q51A Peebles, BNM Baren Site, etc.

1258

Table with columns: ID, Name, Value, Unit, Status, Date, Time, etc. Includes entries like JFWS Jewell Farm, JFWS Jewell Farm, JFWS Jewell Farm, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like AHID Auburn Hatcher, REDW Red Top Meadow, SNOW Snow King Mountain, etc.

IDC 27 04:55:44.3.2.0, 12:59N:88:76W, h0km, mb3.7/6, mb1.4/1.8, mb1mx3.8/6.1, mbtmp3.9/8, ML3.4/2, Error ellipse: s-maj=50.9km s-min=26.3km az=33.0

ISCJB 27 04:55:47.2.1.1, 12:5N:0.2:88:9W:0.2, h40km, mb3.6/6, Error ellipse: s-maj=40.4km s-min=13.7km az=36.3

ISC 27 04:55:48.9.1.4, 12:5N:0.2:88:8W:0.2, h40km, n9, 12:15/9, mb3.5/6, Off coast of Central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JTS JuntasAbangare, CMIG Matias Romero, TXAR Lajitas Array, etc.

IDC 27 04:56:21.3.1.2, 12:88N:88:64W, h0km, mb4.0/7, Error ellipse: s-maj=42.6km s-min=18.5km az=57.0

mb1.4/3.9, mb1mx3.9/6.0, mbtmp4.1/9, ML3.6/2, Error ellipse: s-maj=42.6km s-min=18.5km az=57.0

ISCJB 27 04:56:24.1.1.0, 12:8N:0.2:88:6W:0.2, h35km, mb4.0/7, Error ellipse: s-maj=30.8km s-min=7.9km az=44.1

ISC 27 04:56:26.9.1.0, 13:0N:0.2:88:4W:0.2, h35km, n12, 0:88/12, mb4.1/7, Off coast of Central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like APG El Apazote, JTS JuntasAbangare, CMIG Matias Romero, etc.

NEIC 27 04:57:04.1.0.0, 33:05N:115:54W, h9km, ML2.8(PAS), After PAS., Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GLA Glamis, XFFO Pison Flat, PFO Pinyon Flats, etc.

NEIC 27 04:58:42.0.0.0, 42:44S:173:09E, h8km, ML4.0(WEL), After WEL., South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like KHZ Kahutara, THZ Tophouse, LTZ Lake Taylor, etc.

IDC 27 05:01:19.3.3.3, 12:87N:88:15W, h0km, mb3.8/3, mb1.4/1.4, mb1mx3.6/5.8, mbtmp3.8/4, ML3.1/1, Error ellipse: s-maj=132.3km s-min=30.5km az=48.0, Off coast of Central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JTS JuntasAbangare, TXAR Lajitas Array, ULM Lac du Bonnet, etc.

IDC 27 05:01:28.6.0.9, 12:39N:88:59W, h0km, mb4.1/13, mb1.4/3/1.4, mb1mx4.0/5.7, mbtmp4.1/14, ML3.7/1, Error ellipse: s-maj=32.1km s-min=16.1km az=43.0

ISCJB 27 05:01:30.6.0.4, 12:20N:0.04:88:76W:0.04, h35km, mb4.0/0, MSC7.6/1, Error ellipse: s-maj=8.2km s-min=2.9km az=41.6

NEIC 27 05:01:33.5.0.4, 12:26N:88:63W, h35km, mb4.5/9.2, Error ellipse: s-maj=8.6km s-min=4.8km az=215.0

CASC 27 05:01:34.3.1.6, 11:60N:88:81W, h20km, 999km, MD4.3, mb4.2(NEIC)

ISC 27 05:01:33.7.0.6, 12:28N:0.08:88:67W:0.08, h35km, n398, 1:20/04, mb4.5/9.0, 1.1, Off coast of Central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CSGN Cosiguina Volc, ESTN Estel, BOAB BOACIO BROADBAND, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like VTR0 Volcan Turrial, URSC Urasca, EDLM Las Mercedes, etc.

TXAR Lajitas Array	21.97 323 P	P	05 06 25.5 +0.8	A74T Sharon Grove	24.65 3 eP	P	05 06 50.2 -0.8	N40A Mertquake, Sal	28.61 355 P	P	05 07 25.6 -1.1
TX31 Lajitas Ar. Si	21.97 323 eP	P	05 06 26.2 +1.4	T47A Sharon Grove	24.65 3 P	P	05 06 49.8 -1.2	N38A Joes South For	28.69 353 P	P	05 07 26.6 -0.8
Y50A Monroe	21.98 11 P	P	05 06 25.7 +1.1	T46A Prieto	24.67 1 P	P	05 06 50.1 -1.2	N39A Derby Farms, D	28.69 354 P	P	05 07 26.1 -1.3
OBIP Okolona	22.04 350 P	P	05 06 25.9 +0.6	MNTX Cornudas Mount	24.71 324 P	P	05 06 50.6 -1.1	N37A Lee Faris, Mou	28.79 351 eP	P	05 07 29.1 +0.9
X45A Obispo Ponce	22.05 72 eP	P	05 06 23.9 -1.6	T42A Van Buren	24.75 355 eP	P	05 06 51.2 -0.7	N50A Nevada	28.80 9 P	P	05 07 27.2 -1.2
X48A UM Field Stati	22.06 358 P	P	05 06 26.4 +0.9	T42A Van Buren	24.75 355 P	P	05 06 50.8 -1.1	SDMD bazz=191	28.89 19 eP	P	05 07 30.7 +0.6
X48A Hartselle	22.13 4 eP	P	05 06 26.5 +0.3	T43A Greenville	24.75 357 P	P	05 06 51.1 -0.8	M41A Milan	29.04 357 P	P	05 07 28.8 -1.6
X48A Hartselle	22.13 4 P	P	05 06 26.3 +0.1	T48A Bowling Green	24.81 4 P	P	05 06 51.7 -0.8	M50A Fremont	29.43 9 P	P	05 07 32.9 -1.1
NHSC New Hope	22.15 19 P	P	05 06 26.6 +0.2	T41A Mountain View	24.82 354 P	P	05 06 52.5 -0.2	M36A Felix, Anita	29.56 351 P	P	05 07 33.7 -1.4
OXF Oxford	22.15 358 eP	P	05 06 27.5 +1.1	T49A Edmonton	24.88 6 eP	P	05 06 52.4 -0.8	N54A Moraine State	29.58 13 eP	P	05 07 34.8 -0.5
OXF Oxford	22.15 358 P	P	05 06 26.3 -0.1	TS1A Gray	24.95 9 P	P	05 06 53.6 -0.1	N54A Moraine State	29.58 13 P	P	05 07 33.9 -1.4
X47A Russelville	22.16 2 P	P	05 06 26.7 +0.2	T39A Clever	25.00 351 P	P	05 06 55.3 +1.0	L42A Oliver, Polo	29.63 359 eP	P	05 07 34.5 -1.3
X46A Booneville	22.18 0 P	P	05 06 27.0 +0.3	MSTX Muleshoe	25.13 332 P	P	05 06 54.8 -0.8	L42A Oliver, Polo	29.63 359 P	P	05 07 33.9 -1.8
X43A Marvell	22.23 355 eP	P	05 06 28.4 +1.0	T38A Diamond	25.17 349 P	P	05 06 56.4 +0.6	L41A Preston	29.73 357 P	P	05 07 35.0 -1.6
X43A Marvell	22.23 355 P	P	05 06 28.1 +0.8	S43A Fulton Ridge,	25.22 357 P	P	05 06 55.4 -0.8	L47A Sherwood	29.74 5 P	P	05 07 34.9 -1.8
X49A Woodville	22.24 5 P	P	05 06 27.8 +0.3	TS2A Hallie	25.25 11 P	P	05 06 55.5 -1.0	L48A N Adams	29.79 6 P	P	05 07 35.2 -1.9
X50B Fort Payne	22.26 7 P	P	05 06 27.9 +0.3	S47A Hartford	25.26 3 P	P	05 06 55.5 -1.4	L43A Garden Prairie	29.80 360 P	P	05 07 35.4 -1.8
X41A Kaden, Bauxite	22.39 352 P	P	05 06 29.6 +0.5	S45A Carrier Mills	25.30 0 P	P	05 06 55.5 -1.4	L44A Lake County Fo	29.80 1 P	P	05 07 35.3 -1.9
X40A Basin Creek Fa	22.43 351 eP	P	05 06 31.8 +2.3	S44A Carbondale	25.32 359 P	P	05 06 56.2 -0.9	SSPA Standing Stone	29.80 17 eP	P	05 07 38.1 +0.8
X40A Basin Creek Fa	22.43 351 P	P	05 06 30.0 +0.5	SIUC Southern Illin	25.34 359 eP	P	05 06 57.0 -0.3	L39A Winton	29.88 355 P	P	05 07 36.4 -1.5
PLAL Pickwick Lake	22.61 1 eP	P	05 06 30.8 -0.6	S48A Wiedeman Farm,	25.38 5 P	P	05 06 56.1 -1.6	L38A Oak Wood Farm,	29.99 354 P	P	05 07 37.6 -1.3
MIAR Mount Ida	22.61 349 eP	P	05 06 31.3 -0.2	AMTX Amarillo	25.42 334 eP	P	05 06 59.1 -1.0	M54A Oil Creek Stat	30.17 14 eP	P	05 07 40.1 -0.4
MIAR Mount Ida	22.61 349 P	P	05 06 30.8 -0.6	S40A Lebanon	25.45 353 P	P	05 06 57.5 -0.8	M54A Oil Creek Stat	30.17 14 P	P	05 07 39.5 -1.0
ABTX Abilene, Hawle	22.62 335 eP	P	05 06 32.9 +1.4	S42A Caledonia	25.46 356 P	P	05 06 57.5 -0.8	AAM Ann Arbor	30.23 7 P	P	05 07 40.2 -0.9
ABTX Abilene, Hawle	22.62 335 P	P	05 06 30.6 -0.9	S49A Springfield	25.58 6 P	P	05 06 58.7 -0.8	K41A Shullsburg	30.25 358 P	P	05 07 40.5 -0.7
UALR University of	22.65 352 eP	P	05 06 32.3 +0.5	S39A Bolivar	25.65 351 eP	P	05 06 59.9 -0.2	K43A Burlington	30.32 0 eP	P	05 07 39.9 -1.9
X52A Dahlonga	22.65 10 P	P	05 06 31.2 -0.7	S39A Bolivar	25.65 351 P	P	05 06 59.9 -0.2	K42A Prairie Point,	30.40 359 P	P	05 07 41.0 -1.5
X53A Estanollee	22.66 12 P	P	05 06 31.3 -0.7	S51A Beattyville	25.66 9 eP	P	05 06 00.5 +0.4	K39A Oelwein	30.45 355 P	P	05 07 41.8 -1.2
X39A Fountain Ranch	22.68 348 P	P	05 06 31.4 -0.7	SS1A Beattyville	25.66 9 P	P	05 06 59.5 -0.7	K38A Parkersburg	30.47 354 P	P	05 07 42.0 -1.1
W46A Michie	22.76 1 P	P	05 06 32.3 -0.7	CCM Cathedral Cave	25.78 355 eP	P	05 07 01.4 +0.2	JFWS Jewell Farm	30.56 358 P	P	05 07 42.7 -1.2
W45A Hickory Valley	22.79 359 P	P	05 06 32.4 -0.8	CCM Cathedral Cave	25.78 355 P	P	05 07 00.9 -0.3	K37A Belmont	30.68 353 P	P	05 07 44.3 -0.8
W48A Pulaski	22.82 4 P	P	05 06 33.2 -0.4	R46A Gibon Southern	25.85 2 P	P	05 07 00.9 -1.0	N59A State Game Lan	30.70 19 eP	P	05 07 45.5 +0.3
W49A Belvidere	22.85 5 P	P	05 06 33.5 -0.4	R44A Waltonville	25.87 359 P	P	05 07 01.1 -1.0	J42A Columbus	30.93 359 P	P	05 07 45.9 -1.3
W47A Westpoint	22.89 2 P	P	05 06 33.5 -0.9	R45A Skylar, Fairfi	25.91 1 P	P	05 07 01.5 -1.0	J43A Natural Harves	30.99 0 P	P	05 07 46.3 -1.5
JSC Jenkinsville	22.92 16 eP	P	05 06 35.8 +1.1	R43A Red Bud	25.92 358 P	P	05 07 01.6 -0.9	J41A Loganville	31.00 358 P	P	05 07 46.8 -1.0
SWET Sewanee	22.97 6 eP	P	05 06 34.8 -0.5	WCI Wyandotte Cave	25.93 4 eP	P	05 07 02.1 -0.6	J40A Soldiers Grove	31.06 357 P	P	05 07 46.9 -1.5
W41B Gary Mavity, V	23.03 352 eP	P	05 06 36.5 +0.8	WCI Wyandotte Cave	25.93 4 P	P	05 07 02.1 -0.9	J38A Wedel Dairy, R	31.11 355 P	P	05 07 47.3 -1.5
W41B Gary Mavity, V	23.03 352 P	P	05 06 35.4 -0.3	R42A Lubering	25.97 356 P	P	05 07 02.1 -0.9	J37A Redus Farm,	31.21 353 P	P	05 07 48.4 -1.3
W50A Signal Mountai	23.03 7 eP	P	05 06 33.9 -1.9	R47A Wooly Knot Far	25.98 4 P	P	05 07 01.8 -1.4	ODNJ Ogdensburg	31.24 21 eP	P	05 07 50.0 0.0
W50A Signal Mountai	23.03 7 P	P	05 06 35.2 -0.6	R41A Rosebud	26.03 355 P	P	05 07 02.8 -0.7	PTGA Pitinga	31.29 112 P	P	05 07 50.8 +0.1
W42A Bald Knob	23.04 354 P	P	05 06 36.0 +0.1	R49A Shelbyville	26.10 6 P	P	05 07 03.0 -1.2	I43A Langfield Bro	31.50 1 P	P	05 07 50.7 -1.6
W51A Cleveland	23.06 8 P	P	05 06 36.0 0.0	R48A Northridge Ran	26.14 5 P	P	05 07 03.6 -0.9	I42A Draeger Farm,	31.50 360 eP	P	05 07 50.9 -1.4
W52A Murphy	23.12 10 P	P	05 06 36.7 -0.1	R50A Paris	26.19 8 P	P	05 07 03.7 -1.3	I42A Draeger Farm,	31.50 360 P	P	05 07 50.8 -1.4
BG3 Lake Jocassee	23.21 12 eP	P	05 06 38.1 +0.5	R39A Chumby, Stover	26.22 352 P	P	05 07 03.9 -1.4	I40A Norwalk	31.55 357 P	P	05 07 51.1 -1.6
W39A Magazine	23.29 349 P	P	05 06 38.4 +0.1	R51A Hillsboro	26.31 9 P	P	05 07 04.7 -1.4	I39A Houston	31.56 356 eP	P	05 07 51.6 -1.1
V45A Humboldt	23.36 359 P	P	05 06 38.4 -0.6	Q45A Warren Harvey,	26.52 1 P	P	05 07 06.8 -1.1	I39A Houston	31.56 356 P	P	05 07 51.2 -1.6
CPCT Cooper Cave	23.38 9 eP	P	05 06 39.0 -0.3	Q44A Mley Farm, Va	26.52 359 P	P	05 07 06.9 -1.0	I41A Arkdale	31.69 358 eP	P	05 07 52.5 -1.3
V48A Smith Brothers	23.42 4 eP	P	05 06 39.4 -0.2	Q47A Bedord North L	26.63 4 P	P	05 07 07.5 -1.5	I41A Arkdale	31.69 358 P	P	05 07 52.3 -1.5
V48A Smith Brothers	23.42 4 P	P	05 06 38.9 -0.7	Q41A Truxton	26.67 356 P	P	05 07 07.5 -1.8	BINY Binghamton	31.80 18 eP	P	05 07 54.4 -0.5
V46A Holladay	23.43 1 P	P	05 06 38.8 -0.9	Q48A North Vernon	26.67 5 P	P	05 07 07.7 -1.7	I38A Scanlan Farm,	31.81 355 P	P	05 07 53.7 -1.3
V47A Nunnelly	23.47 2 P	P	05 06 39.5 -0.7	Q40A Laux Farm, Aux	26.78 354 P	P	05 07 09.2 -1.1	I37A Lemond, Waseca	31.89 354 P	P	05 07 54.4 -1.2
V50A Pikeville	23.52 7 P	P	05 06 39.5 -1.1	Q50A Georgetown	26.79 8 P	P	05 07 09.3 -1.1	ECSD EROS Data Cent	32.09 349 P	P	05 07 55.7 -1.7
V49A McMinnville	23.52 6 P	P	05 06 39.8 -0.9	Q49A Aurora	26.83 7 P	P	05 07 09.6 -1.2	H43A Windswept, Lux	32.09 1 eP	P	05 07 55.6 -1.8
V42A Cord	23.56 354 P	P	05 06 39.8 -1.1	BLO Bloomington	26.86 4 eP	P	05 07 09.6 -1.4	H42A Shiocton	32.12 0 eP	P	05 07 55.5 -2.1
V41A Mountainview	23.62 353 P	P	05 06 40.9 -0.7	Q39A Willow Grove F	26.93 353 P	P	05 07 10.5 -1.2	H42A Shiocton	32.12 0 P	P	05 07 55.9 -1.8
STVI Saint Thomas	23.65 72 eP	P	05 06 40.8 -1.2	Q38A Cooke Store, C	26.94 351 P	P	05 07 11.0 -0.8	H40A Chill	32.27 358 P	P	05 07 57.4 -1.6
PCRV Puerto La Cruz	23.67 93 P	P	05 06 41.9 -0.4	Q51A Peebles	27.06 9 P	P	05 07 12.2 -0.7	H39A Augusta	32.37 357 P	P	05 07 58.3 -1.5
TKL Tuckaleechee C	23.70 10 P	P	05 06 42.4 +0.1	JSRW J. Sargent Re	27.09 19 eP	P	05 07 12.4 -0.7	H38A Maiden Rock	32.44 355 P	P	05 07 58.9 -1.5
TKL Tuckaleechee C	23.70 10 eP	P	05 06 42.5 +0.2	P45A Graceland, Par	27.16 2 eP	P	05 07 13.0 -0.7	H35A Sunnyside Ranc	32.73 352 P	P	05 08 01.3 -1.8
KMSC Kings Mountain	23.72 15 eP	P	05 06 42.5 0.0	P45A Graceland, Par	27.16 2 P	P	05 07 12.7 -1.0	G41A Antigo	32.83 359 P	P	05 08 01.8 -2.1
KMSC Kings Mountain	23.72 15 P	P	05 06 42.0 -0.5	P47A Martinsville	27.19 4 P	P	05 07 12.4 -1.6	G42A Mountain	32.85 0 eP	P	05 08 01.9 -2.1
WVT Waverly	23.76 2 eP	P	05 06 42.0 -0.9	P48A Milroy	27.23 5 P	P	05 07 12.8 -1.6	G42A Mountain	32.85 0 P	P	05 08 02.0 -2.1
WVT Waverly	23.76 2 P	P	05 06 42.7 -0.2	P42A Winchester	27.24 357 eP	P	05 07 13.0 -1.4	G43A Wallace	32.88 1 eP	P	05 08 02.3 -2.0
V39A Pettigrew	23.89 350 P	P	05 06 44.4 +0.3	P42A Winchester	27.24 357 P	P	05 07 13.0 -1.4	G43A Wallace	32.88 1 P	P	05 08 02.5 -1.8
V53A Saluda	23.89 12 P	P	05 06 44.4 +0.2	P46A Rosedale	27.26 2 P	P	05 07 13.4 -1.3	G38A Ridgeband	32.89 356 P	P	05 08 02.6 -1.8
V52A Sevierville	23.91 10 eP	P	05 06 44.0 -0.3	P39B Salsbury	27.34 353 P	P	05 07 14.5 -0.8	G40A Rib Lake	32.91 358 eP	P	05 08 03.1 -1.4
V52A Sevierville	23.91 10 P	P	05 06 44.3 0.0	P51A Williamsport	27.55 9 P	P	05 07 16.1 -1.1	G40A Rib Lake	32.91 358 P	P	05 08 03.0 -1.6
U44B Burton Farm, H	23.97 359 P	P	05 06 44.5 -0.3	KSU1 Kansas State U	27.63 347 P	P	05 07 16.9 -1.1	SAML Samuel	32.96 129 eP	P	05 08 04.2 -1.1
U46A Springville	23.98 1 P	P	05 06 43.9 -1.1	P37A Lathrop	27.66 351 P	P	05 07 17.1 -1.2	G39A Holcombe	32.97 357 P	P	05 08 03.7 -1.4
U42A Reventen	24.08 355 P	P	05 06 44.8 -1.1	CBN Corbin Frederi	27.72 19 P	P	05 07 17.0 -1.8	SPMN Marine on St.	33.02 355 eP	P	05 08 04.2 -1.5
U47A Clarksville	24.09 3 P	P	05 06 44.6 -1.4	O44A Mansfield	27.77 0 P	P	05 07 18.0 -1.2	SPMN Marine on St.	33.02 355 P	P	05 08 04.1 -1.5
WMOK Wichita Mounta	24.17 339 P	P	05 06 45.3 -1.4	O41A Passleys Farm,	27.80 356 P	P	05 07 17.8 -1.6	CPE Camp Elliot	33.14 313 eP	P	05 08 07.0 +0.3
U48A Cassie Pea, Po	24.21 4 P	P	05 06 45.8 -1.3	P52A Cotning	27.86 11 P	P	05 07 18.8 -1.2	F41A Three Lakes	33.35 359 eP	P	05 08 06.6 -1.9
U49A Red Boiling Sp	24.27 6 P	P	05 06 46.7 -0.9	O45A Potomac	27.88 2 P	P	05 07 18.9 -1.3</				

Table with columns: E39A, E42A, E40A, E38A, LONY, PDAR, PDAR, BW06, BW06, EYMN, EYMN, REDW, SNOW, TPWA, MDND, MDND, MOOW, PKME, PKME, A33A, NVAR, EMMW, ULM, ULM, ULM, DGMT, DGMT, PQI, LMN, BATG, BDFB, CPUP, YKA, DLBC, INK, INK, IL1, ILAR, RND, TOLK, ADK, KSH, KSH, KSH, WRA, ASAR, FITZ, CMAR, CM01. Includes station names, coordinates, and various codes.

IDC 27 05:02:55.1±1.0, 6.88N-127.34E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/64, mbmt3.8/6, Error ellipse: s-maj=35.4km s-min=20.1km az=70.0
ISCJB 27 05:03:01.0±0.8, 6.64N-127.07E±0.07, h50km, mb3.7/6, Error ellipse: s-maj=10.2km s-min=8.7km az=160.5

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like MATI, DMMP, DAV, BIPH, BIFH, BUKP, FITZ, WRA, MKAR, ZALV, BVAR, ILAR, TORD.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like CAPC, CAPC, CAPC, UPA, UPA, UPA, SOLC, SOLC, SOLC, BCIP, BCIP, BCIP, AZU, DBBC, MOTC, UREC, UREC, HELC, HELC, HELC.

Table with columns: ZARC, ZARC, ZARC, PTBC, PTBC, PTBC, NRRC, BRRC, OCAC, OCAC. Includes station names and coordinates.

IDC 27 05:06:06.8±2.0, 12.87N-88.82W, h0km, mb4.1/5, mb1 4.2/7, mb1mx3.7/59, mbmt3.4/0.7, ML3.2/2, Error ellipse: s-maj=49.1km s-min=28.2km az=39.0
CASC 27 05:06:07.6±2.0, 12.17N-89.04W, h50km, ML3.8, mb4.4(NEIC)

NEIC 27 05:06:09.3±0.8, 12.25N-89.11W, h35km, mb4.4/37, Error ellipse: s-maj=13.2km s-min=7.8km az=204.0
ISC 27 05:06:11.0±2.0, 12.32N-89.00W±0.07, h61km±14km, n214, s1517/211, mb4.3/34, Off coast of central America

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res. Includes stations like LFRS, SNET, PAVA, PAVA, OPAM, LBRB, UUES, LFU, LFU, LCND, LCND, ULM, CSGN, CEVE, CEVE, SBLB, SBLB, SNJE, RTR, ESTN, CMIG, TEIG, 453A, 241A, 241A, 252A, 435B, 435B, 240A, 146A, 146A, 144A, 147A, 147A, 148A, 149A, 150A, 151A, JCT, JCT, LRAL, LRAL, 247A, 248A, WHTX, WHTX, Z53A, Y47A, Y48A, Y49A, Y49A, Y44A, GOGA, GOGA, Y41A, TX31, TXAR, Y51A, Y52A, Y40A, Y53A, OXF, OXF, X48A, X46A, X50B, X41A, X40A, MIAR, MIAR, W48A, W47A, W41B, W50A.

Table with columns: W51A, W39A, CPCT, W48A, W48A, W42A, W49A, W41A, W40A, W40A, TKL, TKL, V51A, KMSC, V39A, V53A, U44B, U46A, U43A, WMOK, WMOK, U41A, U47A, U40A, U49A, HHAR, TUL1, U39A, PBMO, TZTN, T47A, U53A, T46A, T42A, T42A, T43A, T41A, T49A, T49A, T39A, T40A, MSTX, T51A, T38A, S43A, AMTX, S45A, S41A, S40A, S42A, S39A, S39A, S38A, CCM, CCM, R43A, R45A, R42A, WCI, WCI, R41A, R40A, R38A, R39A, R50A, R51A, Q44A, Q45A, Q42A, Q41A, Q48A, Q40A, Q38A, Q39A, Q51A, P47A, P42A, P42A, P40A, P40A, P40A, P39B, Q40A, Q45A, SFIN.

27d 5h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BW06 Boulder Array, PD31 Pinedale Array, and many others.

2012 AUG

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like NATX Nacogdoches, BGNE Belgrade, and many others.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like M36A Felix, Anita, R39A Chumby, Stover, and many others.

Table with columns: ID, Name, Az, El, P, S, Az, El, P, S. Rows include stations like R49A Shelbyville, 352A Blakely, P48A Milroy, etc.

Table with columns: Name, Az, El, P, S, Az, El, P, S. Rows include stations like BALM Baldy, LBHNB Lisbon, CRQM Cirque, etc.

Table with columns: Name, Az, El, P, S, Az, El, P, S. Rows include stations like SAML Samuel, LPAZ La Paz, SEY Seymchan, etc.

27d 5h

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Table with columns: Call ID, Name, Time, Day, Status, Power, SNR, and other technical details. Includes entries like 252A Williamson, 251A Franklin, WHXT Lake Whitney, etc.

Table with columns: Call ID, Name, Time, Day, Status, Power, SNR, and other technical details. Includes entries like X39A Fountain Ranch, W46A Michie, W43A Fort City, etc.

Table with columns: Call ID, Name, Time, Day, Status, Power, SNR, and other technical details. Includes entries like PARMO Parma, ABVI Anegada Island, U51A La Follette, etc.

SLM	comp=Z,213nm,1.4s	26.28	357	eP	P	05 43 36.1	-0.5
SLM	Saint Louis						
R51A	comp=Z,213nm,1.4s	26.31	9	P	P	05 43 36.1	-0.8
Hillsb	baz=191,SNR=12						
OLIL	Olney	26.35	1	eP	P	05 43 36.6	-0.6
GDHS	comp=Z,96nm,1.0s	26.38	78	eP	P	05 43 36.9	-0.8
Morne Mazeau,	comp=Z,116nm,1.1s	26.50	11	P	P	05 43 37.9	-0.6
R52A	Cattletts-burg	26.51	1	P	P	05 43 37.6	-1.1
Q45A	Warren Harvey,	26.51	1	P	P	05 43 37.5	-1.1
baz=181,SNR=21							
Q44A	Meyer Farm, Va	26.51	359	P	P	05 43 37.5	-1.1
baz=179,SNR=30							
Q43A	New Douglas	26.57	358	P	P	05 43 37.7	-1.5
baz=178							
Q42A	Golden Eagle	26.57	357	P	P	05 43 38.5	-0.7
baz=176,SNR=13							
HSIG	comp=Z,30nm,1.2s	26.59	312	eP	P	05 43 39.9	+0.3
Q47A	Bedford North L	26.62	4	P	P	05 43 38.2	-1.5
baz=185,SNR=26							
Q46A	CEJHS Indians,	26.66	2	P	P	05 43 39.0	-1.0
baz=183							
Q41A	Truxton	26.66	356	P	P	05 43 39.1	-0.9
baz=171,SNR=28							
SRIG	Santa Rosalia	26.67	308	eP	P	05 43 41.4	+1.2
comp=Z,136nm,1.1s							
Q48A	North Vernon	26.67	5	P	P	05 43 38.5	-1.6
baz=188,SNR=7.2							
121A	Cookes Peak, D	26.71	322	P	P	05 43 41.9	+1.1
baz=135,SNR=6.3							
SVB	Belmont	26.77	85	eP	P	05 43 41.4	+0.1
comp=Z,89nm,0.9s							
Q40A	Aux Farm, Aux	26.77	354	P	P	05 43 39.8	-1.2
baz=172,SNR=60							
Q50A	Georgetown	26.78	8	P	P	05 43 40.1	-1.0
baz=190							
Q49A	Aurora	26.83	7	P	P	05 43 40.1	-1.4
baz=188,SNR=11							
BLO	Bloomington	26.85	4	eP	P	05 43 40.8	-0.9
comp=Z,86nm,1.0s							
BLO	Bloomington	26.85	4	eP	P	05 43 40.8	-0.9
comp=Z,86nm,1.0s							
319A	Douglas	26.87	318	eP	P	05 43 44.0	+1.9
comp=Z,92nm,1.1s							
Q39A	Willow Grove F	26.93	353	P	P	05 43 41.2	-1.2
baz=171,SNR=26							
Q38A	Cooks Store, C	26.93	351	P	P	05 43 41.7	-0.7
baz=169,SNR=50							
Q37A	Longview Farm,	26.98	350	P	P	05 43 41.6	-1.2
baz=187,SNR=16							
Q51A	Peebles	27.05	9	P	P	05 43 42.7	-0.8
baz=191,SNR=22							
P44A	Sand Creek, Wi	27.08	0	P	P	05 43 42.5	-1.2
baz=189							
JSRW	J. Sargeant R	27.09	19	P	P	05 43 43.7	-0.1
comp=Z,165nm,1.5s							
P45A	Graceland, Par	27.15	2	eP	P	05 43 43.1	-1.2
comp=Z,182,SNR=7.4							
P45A	Graceland, Par	27.15	2	P	P	05 43 42.9	-1.5
baz=182,SNR=7.4							
Q52A	Bidwell	27.18	11	P	P	05 43 43.9	-0.8
baz=194							
P47A	Martinsville	27.18	4	P	P	05 43 43.1	-1.6
baz=185,SNR=16							
BNN	Barren Site	27.22	326	eP	P	05 43 46.1	+0.7
P48A	Milroy	27.22	6	P	P	05 43 43.0	-2.1
comp=Z,84nm,1.2s							
P42A	Winchester	27.23	357	eP	P	05 43 43.2	-1.9
baz=187,SNR=13							
P43A	Winchester	27.23	357	P	P	05 43 43.5	-1.7
baz=176,SNR=26							
P46A	Rosedale	27.26	2	P	P	05 43 43.8	-1.6
baz=183,SNR=7.7							
P43A	Skaggs, Pawnee	27.26	359	P	P	05 43 44.0	-1.4
baz=178							
P40A	Paris	27.30	354	eP	P	05 43 44.9	+0.9
comp=Z,318nm,1.1s							
P40A	Paris	27.30	354	P	P	05 43 44.7	-1.0
baz=173,SNR=86							
Y22D	IRIS PASSCAL I	27.32	326	eP	P	05 43 47.6	+1.3
comp=Z,238nm,1.4s							
P39B	Salisbury	27.34	353	P	P	05 43 44.8	-1.2
baz=171,SNR=41							
R58B	Mineral	27.34	19	P	P	05 43 46.0	-0.1
baz=203							
LPM	Los Pinos Moun	27.34	326	eP	P	05 43 47.3	+0.9
P41A	Barry	27.36	356	P	P	05 43 44.9	-1.4
baz=175,SNR=11							
P49A	Miami Univ. Ec	27.37	7	P	P	05 43 44.6	-1.8
baz=188,SNR=9.0							
LENM	Lemitar	27.42	326	eP	P	05 43 47.9	+0.8
CVRD	Centerville Ro	27.45	19	eP	P	05 43 46.8	-0.4
comp=Z,47nm,1.3s							
P51A	Williamsport	27.55	9	P	P	05 43 46.5	-1.4
baz=192,SNR=8.5							
P50A	Jamestown	27.56	8	P	P	05 43 46.6	-1.5
baz=190							
PTRD	Partlow Road	27.56	19	eP	P	05 43 48.1	0.0
comp=Z,46nm,0.9s							
P38A	Dawn	27.57	352	eP	P	05 43 47.5	-0.7
comp=Z,306nm,1.3s							
P38A	Dawn	27.57	352	P	P	05 43 47.1	-1.1
comp=Z,306nm,1.3s							
KSU1	Kansas State U	27.62	347	eP	P	05 43 47.7	-0.9
comp=Z,347nm,1.0s							
KSU1	Kansas State U	27.62	347	P	P	05 43 47.3	-1.3
baz=163,SNR=92							
P37A	Lathrop	27.66	351	P	P	05 43 47.5	-1.5
baz=168,SNR=24							
LAZ	Ladro	27.69	326	eP	P	05 43 50.4	+0.8
comp=Z,51nm,0.8s							
CBN	Corbin Frederi	27.72	19	P	P	05 43 49.4	0.0
comp=Z,51nm,0.8s							
TBSL	Corbin Frederi	27.72	19	P	P	05 43 50.4	+0.5
comp=Z,51nm,0.8s							
ANMO	Albuquerque	27.73	327	P	P	05 43 51.0	+1.1
comp=Z,3.6nm,0.8s,baz=126,slow=8.9,SNR=8.8							
ANMO	Albuquerque	27.73	327	eP	P	05 43 50.8	+0.8
comp=Z,50nm,1.5s							
ANMO	Albuquerque	27.73	327	eP	P	05 43 49.5	-0.4
comp=Z,31nm,2.5s							
ANMO	Albuquerque	27.73	327	P	P	05 43 50.6	+0.7
baz=140							
TASM	ASL Pad, Albuq	27.73	327	P	P	05 43 50.6	+0.7
baz=140							
O44A	Mansfield	27.76	0	P	P	05 43 48.5	-1.4
baz=180,SNR=14							
O41A	Passleys Farm,	27.79	356	P	P	05 43 48.7	-1.5
baz=175,SNR=9.2							
O42A	Bath	27.83	358	P	P	05 43 48.8	-1.7
baz=177,SNR=13							
P52A	Corning	27.85	11	P	P	05 43 49.7	-1.0
baz=194,SNR=6.0							
O45A	Potomac	27.87	2	P	P	05 43 49.3	-1.6
baz=182,SNR=25							
O40A	La Belle	27.87	355	P	P	05 43 49.8	-1.0
baz=173,SNR=37							
O43A	Sugar Creek Fa	27.90	359	P	P	05 43 49.8	-1.3
baz=178							
O47A	Cherish	27.93	4	P	P	05 43 49.8	-1.6
baz=185							
SFIN	Lafayette	28.02	3	eP	P	05 43 50.8	-1.4
comp=Z,80nm,1.2s							
SFIN	Lafayette	28.02	3	P	P	05 43 50.3	-1.8
baz=183,SNR=7.2							
O48A	Farmland	28.04	6	P	P	05 43 50.5	-1.9
baz=187,SNR=6.2							
O38A	Galt	28.05	352	P	P	05 43 51.3	-1.1
baz=170,SNR=18							
O49A	Covington	28.06	7	P	P	05 43 50.9	-1.7
baz=189,SNR=9.9							
O39A	Kirksville	28.07	354	P	P	05 43 51.6	-1.0
baz=172,SNR=45							
O50A	Cable	28.11	8	P	P	05 43 51.8	-1.3
baz=190,SNR=27							
HDIL	Hopedale	28.17	359	eP	P	05 43 52.7	-0.8
comp=Z,310nm,1.8s							
HDIL	Hopedale	28.17	359	P	P	05 43 51.8	-1.7
baz=179,SNR=11							
O37A	Wolven Farm, M	28.19	351	P	P	05 43 52.4	-1.3
baz=168,SNR=19							
CBKS	Cedar Bluff	28.19	342	eP	P	05 43 53.7	-0.1

CBKS	comp=Z,328nm,1.1s	28.19	342	eP	P	05 43 53.7	-0.1
CBKS	Cedar Bluff						
CBKS	comp=Z,328nm,1.1s	28.19	342	P	P	05 43 53.2	-0.6
comp=Z,328nm,1.1s							
O51A	Pataksala	28.27	10	P	P	05 43 54.0	-0.4
ACSO	Alum Creek Sta	28.29	9	eP	P	05 43 54.0	-0.6
baz=192,SNR=13							
ACSO	Alum Creek Sta	28.29	9	P	P	05 43 53.5	-1.1
baz=192,SNR=13							
MCWV	Mont Chateau	28.37	14	eP	P	05 43 55.2	0.0
comp=Z,89nm,1.3s							
MCWV	Mont Chateau	28.37	14	P	P	05 43 54.8	-0.5
baz=198							
O52A	Adamsville	28.38	11	P	P	05 43 54.4	-0.9
baz=187							
N41A	Harden Midland	28.38	357	eP	P	05 43 54.0	-1.4
comp=Z,304nm,1.5s							
N41A	Harden Midland	28.38	357	P	P	05 43 53.9	-1.4
baz=176							
N44A	Piper City	28.41	1	P	P	05 43 53.8	-1.8
baz=181,SNR=11							
TUC	Tucson	28.45	318	eP	P	05 43 56.0	-0.2
comp=Z,89nm,1.3s							
TUC	Tucson	28.45	318	eP	P	05 43 56.0	-0.2
comp=Z,89nm,1.3s							
TUC	Tucson	28.45	318	P	P	05 43 56.7	+0.5
baz=130							
N42A	Yates City	28.46	358	P	P	05 43 54.8	-1.3
baz=177,SNR=10							
N45A	Kentland	28.47	2	P	P	05 43 54.1	-2.1
baz=182							
T25A	Trinidad	28.49	333	eP	P	05 43 57.8	+1.1
comp=Z,336nm,1.7s							
T25A	Trinidad	28.49	333	P	P	05 43 57.2	+0.5
baz=146,SNR=22							
N43A	Stutzman Famil	28.55	359	P	P	05 43 55.7	-1.2
baz=187,SNR=8.7							
N46A	Monticello	28.55	3	P	P	05 43 55.1	-1.9
baz=184,SNR=9.8							
N40A	Mertquake, S	28.61	355	P	P		

I38A	Scanlan Farm, baz=173,SNR=34	31.80	355	P	P	05	44	24.3	-1.3
Y12C	Blythe comp=Z,39nm,1.1s	31.81	316	eP	P	05	44	27.4	+1.6
Y12C	Blythe baz=126	31.81	316	P	P	05	44	26.0	+0.2
PV09	Paradox Valley	31.83	329	eP	P	05	44	27.0	+0.7
I37A	Lemond, Waseca comp=Z,61nm,1.3s	31.88	354	eP	P	05	44	25.4	+0.9
I37A	Lemond, Waseca baz=171,SNR=42	31.88	354	P	P	05	44	25.0	-1.3
PDMC1	Parker Dam,Lux baz=127	31.88	318	P	P	05	44	27.2	+0.7
I36A	Fitzsimmions Fa baz=170,SNR=15	31.96	353	P	P	05	44	25.7	-1.3
ECSD	EROS Data Cent comp=Z,84nm,1.1s	32.08	349	eP	P	05	44	26.6	-1.5
ECSD	EROS Data Cent baz=165,SNR=22	32.08	349	P	P	05	44	26.0	-2.1
U15A	North Rim comp=Z,18nm,1.0s	32.08	323	eP	P	05	44	29.8	+1.3
H43A	Windswept, Lux comp=Z,84nm,1.2s	32.08	1	eP	P	05	44	26.6	-1.5
H43A	Windswept, Lux baz=182	32.08	1	P	P	05	44	26.3	-1.7
H42A	Shiocton comp=Z,32nm,0.8s	32.11	0	eP	P	05	44	26.7	-1.6
H42A	Shiocton, Wier C baz=160,SNR=14	32.11	0	P	P	05	44	26.5	-1.8
W13A	Hualapai Mount comp=Z,39nm,1.4s	32.20	319	eP	P	05	44	31.0	+1.4
SWSC	Sam W, Stewart baz=123,SNR=10.0	32.23	314	P	P	05	44	30.5	+1.0
H41A	Junction City comp=Z,90nm,1.4s	32.23	359	eP	P	05	44	28.0	-1.4
H41A	Junction City baz=178,SNR=14	32.23	359	P	P	05	44	27.7	-1.7
H40A	Chili baz=177,SNR=35	32.26	358	P	P	05	44	28.1	-1.5
N23A	Red Feather L baz=123,SNR=14	32.28	335	eP	P	05	44	30.7	+0.5
N23A	Red Feather L baz=147	32.28	335	P	P	05	44	30.0	-0.2
IKP	In-Ko-Pah, Jac baz=123,SNR=14	32.29	313	P	P	05	44	31.7	+1.5
H39A	Augusta baz=175,SNR=16	32.36	357	P	P	05	44	29.0	-1.5
BC3	Big Chuckawall baz=125,SNR=20	32.38	315	P	P	05	44	32.6	+1.6
H37A	Dierke Farm, C baz=172,SNR=36	32.39	354	P	P	05	44	29.7	-1.1
H38A	Maiden Rock baz=173,SNR=35	32.43	355	P	P	05	44	29.8	-1.3
PHWY	Pilot Hill comp=Z,117nm,1.3s	32.43	336	eP	P	05	44	31.2	-0.3
IRM	Iron Mountain baz=126,SNR=10	32.46	316	P	P	05	44	32.9	+1.2
H36A	Jessenland, He baz=170,SNR=47	32.49	353	P	P	05	44	31.0	-0.7
GLMI	Graying baz=173,SNR=11.1s	32.62	5	eP	P	05	44	30.7	-2.0
GLMI	Graying baz=187	32.62	5	P	P	05	44	31.1	-1.7
MONP2	Monument Peak baz=122,SNR=10	32.64	313	P	P	05	44	34.8	+1.5
O20A	White River C1 comp=Z,134nm,1.1s	32.67	332	eP	P	05	44	33.4	-0.1
O20A	White River C1 baz=143,SNR=25	32.67	332	P	P	05	44	33.9	+0.4
BAR	Barrett comp=Z,29nm,0.4s	32.70	313	eP	P	05	44	33.4	-0.4
H35A	Sunnyside Ranch baz=169,SNR=40	32.73	352	P	P	05	44	32.0	-1.8
PKCU	Pink Cliffs comp=Z,90nm,1.3s	32.79	324	eP	P	05	44	35.3	+0.6
G41A	Antigo baz=179,SNR=14	32.82	359	P	P	05	44	32.6	-1.9
G42A	Mountain comp=Z,50nm,0.8s	32.85	0	eP	P	05	44	32.9	-1.9
G42A	Mountain baz=180,SNR=12	32.85	0	P	P	05	44	32.7	-2.0
G43A	Wallace comp=Z,29nm,0.7s	32.87	1	eP	P	05	44	32.9	-2.0
G43A	Wallace baz=182,SNR=10	32.87	1	P	P	05	44	32.7	-2.2
G38A	Ridgeman baz=174,SNR=41	32.89	356	P	P	05	44	33.4	-1.7
G40A	Rib Lake comp=Z,160nm,1.2s	32.90	358	eP	P	05	44	33.8	-1.4
G40A	Rib Lake comp=Z,177,SNR=26	32.90	358	P	P	05	44	33.6	-1.6
BELC	Belle Mtn, Jos baz=124,SNR=10	32.95	316	P	P	05	44	37.0	+1.0
G39A	Holcombe baz=175,SNR=56	32.96	357	P	P	05	44	34.2	-1.5
SAML	Samuel comp=Z,144nm,1.4s	32.97	129	eP	P	05	44	35.5	-0.7
SAML	Samuel comp=Z,144nm,1.4s	32.97	129	eP	P	05	44	35.5	-0.7
SRU	San Rafael Swe comp=Z,144nm,1.4s	33.00	328	eP	P	05	44	36.9	+0.4
SRU	San Rafael Swe comp=Z,36nm,1.1s	33.00	328	eP	P	05	44	36.9	+0.4
SRU	San Rafael Swe comp=Z,36nm,1.1s	33.00	328	eP	P	05	44	36.9	+0.4
SPMN	Marine on St. comp=Z,36nm,1.1s	33.02	355	eP	P	05	44	35.0	-1.3
SPMN	Marine on St. comp=Z,450nm,1.2s	33.02	355	P	P	05	44	34.9	-1.3
TRY	Troy comp=Z,76nm,1.0s	33.02	21	eP	P	05	44	36.3	+0.1
LCMT	Little Creek M comp=Z,14nm,1.0s	33.04	322	eP	P	05	44	37.3	+0.6
XPFO	Pizon Flat comp=Z,29nm,0.6s	33.05	315	eP	P	05	44	37.9	+1.0
PFO	Pinyon Flats O comp=Z,29nm,0.6s	33.06	315	eP	P	05	44	37.9	+1.0
PFO	Pinyon Flats O comp=Z,29nm,0.6s	33.06	315	eP	P	05	44	37.9	+1.0
PFO	Pinyon Flats O comp=Z,29nm,0.6s	33.06	315	P	P	05	44	37.9	+1.0
FRD	Ford Ranch, An baz=123,SNR=8.8	33.09	314	P	P	05	44	38.8	+1.6
QUA2	Belchertown comp=Z,109nm,1.4s	33.09	22	eP	P	05	44	37.0	0.0
BRWY	Bryant College comp=Z,11m,1.5s	33.12	313	eP	P	05	44	40.0	+2.7
CPE	Camp Elliot comp=Z,123nm,1.4s	33.13	325	eP	P	05	44	38.1	+0.4
GMRG	Granite Mounta baz=126,SNR=10	33.17	317	P	P	05	44	39.1	+1.2
SUSD	Miller baz=161,SNR=15	33.24	347	P	P	05	44	36.8	-1.5
P18A	Preston Nutter comp=Z,42nm,1.1s	33.25	329	eP	P	05	44	38.8	+0.1
SZCU	Shurtz Comp comp=Z,64nm,1.4s	33.34	323	eP	P	05	44	40.1	+0.6
F41A	Three Lakes comp=Z,32nm,0.9s	33.34	359	eP	P	05	44	37.3	-1.8
F41A	Three Lakes comp=Z,32nm,0.9s	33.34	359	P	P	05	44	37.1	-2.0
P17A	Butcher Ranch, comp=Z,69nm,1.2s	33.38	328	eP	P	05	44	37.9	-1.6
SADO	Sadova comp=Z,21nm,0.5s,baz=216,slow=8.8,SNR=37	33.39	12	eP	P	05	44	38.0	-1.6
SADO	Sadova comp=Z,96nm,1.6s	33.40	4	P	P	05	44	38.2	-1.3
F45A	CMU Biological baz=186	33.46	325	eP	P	05	44	41.6	+1.1
MSU	Marysville Flat Rock, Esc baz=183,SNR=13	33.46	2	P	P	05	44	37.8	-2.2
RWWY	Rawlins comp=Z,150nm,1.2s	33.47	334	eP	P	05	44	40.9	+0.3
CCUT	Cedar City comp=Z,31nm,1.2s	33.47	323	eP	P	05	44	41.8	+1.2
F37A	Hinrichs Farm, baz=173,SNR=35	33.50	355	P	P	05	44	38.7	-1.7
TMUT	Trail Mountain comp=Z,77nm,1.2s	33.50	327	eP	P	05	44	41.9	+1.0
F46A	Macinaw City C baz=187,SNR=8.9	33.55	5	P	P	05	44	38.8	-2.1
F40A	Park Falls baz=177,SNR=22	33.55	358	P	P	05	44	39.2	-1.7
MURC	Murrieta baz=122,SNR=12	33.56	314	P	P	05	44	42.9	+1.7

F39A	baz=122,SNR=11	33.57	357	P	P	05	44	39.1	-2.0
WES	Loretta baz=176,SNR=22	33.58	24	eP	P	05	44	40.8	-0.3
HRV	Adam Dziejowski comp=Z,176nm,1.8s	33.59	23	eP	P	05	44	40.4	-0.9
HRV	Adam Dziejowski comp=Z,109nm,1.6s	33.59	23	eP	P	05	44	40.4	-0.9
HRV	Adam Dziejowski comp=Z,109nm,1.6s	33.59	23	eP	P	05	44	41.1	-0.2
BCX	Boston College comp=Z,126nm,1.5s	33.60	24	eP	P	05	44	40.8	-0.5
ACCN	Adirondack Comp comp=Z,30nm,1.1s	33.60	20	eP	P	05	44	41.0	-0.3
F44A	Big Bay de Noc baz=123,SNR=22	33.63	3	P	P	05	44	39.8	-1.8
HEC	Hector Ludlow baz=125,SNR=7.2	33.65	316	P	P	05	44	43.2	+1.1
F38A	Pierce - Schro baz=174,SNR=80	33.67	356	P	P	05	44	40.3	-1.6
TCRU	Three Creeks R comp=Z,41nm,1.2s	33.68	325	eP	P	05	44	42.8	+0.4
COWI	Conover comp=Z,89nm,1.3s	33.71	359	eP	P	05	44	40.8	-1.5
TUQ	Turquoise Moun comp=Z,16nm,1.4s	33.73	318	P	P	05	44	43.9	+1.1
BBRC	Big Bear Solar baz=124	33.73	315	P	P	05	44	43.4	+0.4
SHPR	Sheep Range comp=Z,6nm,1.2s	33.89	320	eP	P	05	44	45.0	+0.8
NCB	Newcomb comp=Z,44nm,1.4s	33.94	19	eP	P	05	44	44.6	+0.3
K22A	Casper comp=Z,168nm,1.4s	33.99	336	eP	P	05	44	45.3	+0.3
K22A	Casper baz=148,SNR=16	33.99	336	P	P	05	44	44.2	-0.8
E43A	Lone Tree Farm comp=Z,44nm,0.9s	34.01	2	eP	P	05	44	43.3	-1.5
E43A	Lone Tree Farm baz=183,SNR=14	34.01	2	P	P	05	44	42.9	-2.0
E39A	Mellen baz=177,SNR=30	34.02	358	P	P	05	44	43.5	-1.5
E42A	Champion comp=Z,61nm,1.2s	34.04	1	P	P	05	44	43.3	-1.8
E40A	Wakefield comp=Z,183,SNR=10.0	34.06	358	P	P	05	44	43.7	-1.6
E41A	Kenton baz=119	34.07	360	P	P	05	44	42.8	-2.6
E45A	Wooded Hills, baz=186	34.09	4	P	P	05	44	44.3	-1.3
PLVO	Plevna comp=Z,78nm,1.4s	34.12	15	eP	P	05	44	44.8	-1.0
BFSC	Mount Baldy R baz=123,SNR=9.6	34.23	314	P	P	05	44	48.2	+1.1
GSC	Goldstone, Bar comp=Z,30nm,1.3s	34.24	317	eP	P	05	44	47.8	+0.7
GSC	Goldstone, Bar comp=Z,30nm,1.3s	34.24	317	eP	P	05	44	47.8	+0.7
GSC	Goldstone, Bar comp=Z,30nm,1.3s	34.24	317	P	P	05	44	47.2	+0.1
MPU	Maple Canyon comp=Z,61nm,1.2s	34.25	328	eP	P	05	44	47.8	+0.5
E38A	The Farm, Brul comp=Z,232nm,1.0s	34.30	356	eP	P	05	44	45.5	-1.9
E38A	The Farm, Brul baz=175,SNR=32	34.30	356	P	P	05	44	45.7	-1.7
E44A	Grand Marais A baz=165	34.30	3	eP	P	05	44	46.6	-0.8
E44A	Grand Marais A comp=Z,299nm,1.4s	34.30	3	P	P	05	44	46.2	-1.2
RSSD	Black Hills comp=Z,61nm,0.8s	34.37	340	eP	P	05	44	48.7	+0.5
RSSD	Black Hills comp=Z,61nm,0.8s	34.37	340	eP	P	05	44	48.7	+0.5
RSSD	Black Hills comp=Z,61nm,0.8s	34.37	340	eP	P	05	44	48.7	+0.5
RSSD	Black Hills comp=Z,61nm,0.8s	34.37	340	P	P	05	44	48.5	+0.3
FFD	Franklin Falls comp=Z,111nm,1.5s	34.38	22	eP	P	05	44	48.1	0.0
LONY	Lake Ozonia comp=Z,102nm,1.3s	34.42	18	eP	P	05	44	47.7	-0.7
LONY	Lake Ozonia comp=Z,102nm,1.3s	34.42	18	P	P	05	44	48.0	-0.5
PSUT	Pine Spring comp=Z,29nm,1.3s	34.42	324	eP	P	05	44	49.6	+0.8
NLU	North Lily Min comp=Z,79nm,1.9s	34.44	327	eP	P	05	44	49.6	+0.7
MWC	Mount Wilson comp=Z,27nm,1.2s	34.50	314	eP	P	05	44	51.0	+1.4
MWC	Mount Wilson comp=Z,27nm,1.2s	34.50	314	eP	P	05	44	51.0	+1.4
PASC	Pasadena Art C comp=Z,103nm,1.3s	34.56	314	eP	P	05	44	51.1	+1.2
D41A	Chassel comp=Z,95nm,1.1s	34.67	0	eP	P	05	44	49.2	-1.3
D41A	Chassel comp=Z,95nm,1.1s	34.67	0	P	P	05	44	48.5	-2.0
DECC	Green Verdugo baz=122	34.71	314	P	P	05	44	52.1	+0.9
VTU	Waterbury comp=Z,87nm,1.8s	34.74	20	eP	P	05	44	51.3	0.0

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like HAL Halifax, DLMT Dillon, MFID Camas Ranch, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like SCHQ Schefferville, A04D Lummi Island, PGC Sidney, etc.

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like KOWA Kowa, TIC LIC Toumoudi, DBIC Dimbokro, etc.

NEIC 27 05:47:24.7z.0.0,33.03N,115.53W,h8km,ML2.9(PAS), After PAS.

ISC 27 05:47:24.4z.0.0,33.03N,115.55W,0.02,h8km,10km,n47,159/67,Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like SWSC, IKP, GLA, BC3, MONP2, XPFO, PFO, FRD, BAR, BELC, Y12C, IRM, 109C, CPE, 113A, PDMCI, GMRC, Y14A, FMP, MWC, MWC, TIS, PASC, PASC, W13A, GSC, EDWZ, SHPR, ISA, DAC, X16A, X16A, TPNV, WUAZ, U15A, LCMT, LCMT, CCUT, X18A, SZCU, PKCU, W18A, R11A, HSIG, MTPPU.

ISC 27 05:48:30.6z.0.0,27.64N,139.91E,h415km,8km,mb3.3/18, mb1.3/4.21,mb1mx3.7/7,mbtmp4.0/21,Error ellipse: s-maj=17.9km s-min=10.2km az=80.0

JMA 27 05:48:33.4z.0.0,27.91N,139.86E,h392km,M4.0

ISC 27 05:48:31.0z.0.0,8.273N,101.139E,0.01,h400km,n29, 1552/31,mb3.6/8,Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like CBJ, CBJ, CJJ, JCH, JCH, BSO1, BSO3, BSO3, JRY, JAG, JAG, JHO, KSR5, USRK, KLR, SONM, ZALV, FITZ, WRA, MKAR, KURBB, ASAR, BVAR, ILAR, ARCES, YKA, YKA, FINES, AKASG, NVAR, HFS, HFS, NB2.

NOA NORSAR Array B 82.1337 P P 06 00 06.3 -1.7

VIET 27 05:49:38.0z.0.0,46.82N,107.86E,h8km,7km,mb0.7/2, m11.6/8, Error ellipse: s-maj=1.1km s-min=1.0km

az=150.0 14 km WSW of Oberburg, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like FETA, MOTA, WTTA.

ISC 27 05:50:52.5z.0.0,12.74N,88.20W,h0km,mb3.8/7, mb1.4/0.10,mb1mx3.8/56,mbtmp3.7/10,ML3.3/3,Error ellipse: s-maj=39.5km s-min=15.9km az=55.0

CASC 27 05:50:53.5z.1.2,12.15N,88.78W,h35km,ML3.5, mb4.3(NEIC)

NEIC 27 05:50:57.2z.0.0,12.42N,88.66W,h35km,mb4.3/39,Error ellipse: s-maj=13.4km s-min=6.0km az=215.0

ISC 27 05:50:56.9z.0.0,12.37N,0.07,88.58W,0.07,h35km,n76, 153/79,mb4.3/37,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like TECA, LCON, LCON, CSGN, LFRS, PAVA, LBRS, COLS, COLS, LFU, JUES, BOOS, LLGN, LLGN, TGUH, MITC, ESTN, BOAB, APG, JTS, JTS, JTS, ESPN, HDC, CCIG, CMIG, TEIG, BCIP, LNIG, 957A, 833A, 352A, 341A, 435B, JCT, GOGA, LTX, TX31, TXAR, MIAR, UALR, ABTX, W41B, W39A, CPCT, STVI, HHAR, TUL1, T47A, T42A, MNTX, T94X, MSTX, S39A, CCM, P40A, S22A, BGNE, K38A, I42A, I39A, N23A, SADM, SADO, COWI, LPAZ, LPAZ, EYMM, REDW, VLDO, NVAR, ULM, ULM, YKA, PLCA, Eielson Array.

WRI Warramunga Arr 138.19 254 ePKPdf PKPdf 06 10 23.2 +4.0

WRA Warramunga Arr 138.19 254 PKP PKPdf 06 10 23.2 +4.0

CMAR Chiang Mai Arr 148.49 346 PKPbc PKPbc 06 10 40.9 0.0

ISC 27 05:51:50.1z.1.1,12.07N,88.97W,h0km,mb3.9/7, mb1.4/3.10,mb1mx3.9/53,mbtmp4.0/10,ML3.9/3,Error ellipse: s-maj=39.5km s-min=17.0km az=35.0

ISC 27 05:51:55.6z.1.0,12.1N,0.2,89.00W,0.1,h41km,n14, 1505/15,mb4.1/7,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like APG, JTS, JTS, CMIG, TXAR, TKL, PCRV, NVAR, YKA, ILAR, TORO, WRA, ASAR, FMZ, CMAR.

ISC 27 05:55:46.5z.1.5,12.98N,87.87W,h0km,mb3.6/4, mb1.3/9.7,mb1mx3.6/51,mbtmp3.6/7,ML3.4/2,Error ellipse: s-maj=17.0km s-min=21.3km az=43.0

ISCJB 27 05:54:47.6z.0.0,12.2N,0.1,88.59W,0.08,h35km, mb4.2/14, Error ellipse: s-maj=18.7km s-min=6.0km az=30.5

NEIC 27 05:55:50.5z.2.1,12.33N,88.50W,h35km,mb4.4/17,Error ellipse: s-maj=36.8km s-min=9.5km az=197.0

ISC 27 05:55:50.6z.1.0,12.4N,0.1,88.48W,0.09,h35km,n32, 1534/33,mb4.4/14,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like CSGN, ESTN, BOAB, APG, JTS, JTS, CMIG, LNIG, KVTX, 543A, 833A, 341A, NATX, 435B, JCT, GOGA, TXAR, MIAR, ABTX, W39A, V40A, WMOK, AMTX, S39A, R40A, SPMM, REDW, NVAR, ULM, ILAR, WRA, CMAR.

ISC 27 06:02:13.6z.0.0,9.288N,129.00E,h0km,mb3.7/8, mb1.3/9.9,mb1mx3.6/63,mbtmp3.7/9,ML3.3/1,Error ellipse: s-maj=55.5km s-min=15.6km az=72.0

ISCJB 27 06:02:16.5z.0.7,2.79N,0.07,128.92E,0.09,h33km, mb3.7/8, Error ellipse: s-maj=13.5km s-min=8.0km az=151.2

DJA 27 06:02:29.9z.1.7,2.8N,12.8E,h16km,7km,M4.0/6, mb25.3/1,mb3.9/2,ML4.6/8,MW(bj)4.8/1

ISC 27 06:02:19.0z.0.0,2.71N,0.02,129.82E,0.1,h35km,n21, 1561/15,mb3.9/7,Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Lists stations like TNTI, SGGI, SJIJ, SJIJ, SJIJ, SJIJ, KMSI, MSAI, MPPI, FITZ, WRA, ASAR, H1S3, H1S2, H1S1, H1N1, H1N2, H1N3, SONM.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, KURBB Kurchatov Arra, BVAR Borovoye Array, ILAR Eilson Array.

IDC 27 06:02:28.5: 1.7, 12.56N:88.53W, h0km, mb3.7/6, mb1 4.1/8, mb1mx3.7/5.3, mbtmp3.8/8, ML3.3/3, Error ellipse: s-maj=51.6km s-min=21.4km az=40.0

Main table of station data for the first section, including stations like CSGN Cosiguina Volc, ESTN Estel, ROAB BOACAO, APG El Apazole, JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, etc.

Main table of station data for the second section, including stations like S39A Bolivar, S38A Stockton, CCM Cathedral Cave, WCI Wyandotte Cave, R41A Rosebud, R40A Maddies Statio, R39A Chumby, Stover, R38A Fenwick Farm, Q47A Loganville, Q41A Truxton, Q40A Laux Farm, Aux, Q39A Willow Grove F, Q40A Cooks Store, C, Q38A Parks, Q40A Paris, P37A Lathrop, O50A Cable, T25A Trinidad, N39A Derby Farms, D, M43A Waltham Townsh, M39A Webster, L39A Vinton, L38A Oak Wood Farm, S22A 4UR Ranch, Cre, K39A Oelwein, K38A Parkersburg, K38A Parkersburg, K37A Belmont, J41A Loganville, J38A Wedel Dairy, R, J37A Redenius Farm, J36A Seneca 1, Swea, I38A Scanlan Farm, H35A Sunnyside Ranc, G39A Holcombe, SPMM Marine on St., F38A Pierce - Schro, E40A Wakefield, EYMM Ely, REDW Red Top Meadow, SNOW Snow King Moun, LOHW Long Hollow, TPAW Teton Pass, MDND Maddock, MDND Maddock, A33A Warroad, NVAR Mina Array Bea, ULM Lac du Bonnet, DGMT Dagmar, YKA Yellowknife Ar, ILAR Eilson Array, KSH Kashi, KSH comp=N,3um,15.7s, KSH comp=E,2um,12.4s, KSH comp=Z,4um,19.4s, WRA Warramunga Arr, CMAR Chiang Mai Arr.

IDC 27 06:05:37.6: 2.1, 13.12N:88.13W, h0km, mb3.4/2, mb1 3.7/5, mb1mx3.4/5.7, mbtmp3.4/5, ML3.0/3, Error ellipse: s-maj=91.1km s-min=27.0km az=42.0, EI

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like APG El Apazole, APG, JTS JuntasAbangare, CMIG Matias Romero, TXAR Lajitas Array, YKA Yellowknife Ar, WRA Warramunga Arr.

IDC 27 06:06:28.6: 1.1, 12.49N:88.19W, h0km, mb3.8/10, mb1 4.0/12, mb1mx3.8/5.6, mbtmp3.4/5, ML3.0/3, Error ellipse: s-maj=38.9km s-min=15.3km az=47.0

Main table of station data for the third section, including stations like CSGN Cosiguina Volc, ESTN Estel, FGUH Tegucigalpa, UN BOAB BOACAO, APG El Apazole, JTS JuntasAbangare, JTS, JTS, ESPN Las Esperanzas, CMIG Matias Romero.

Main table of station data for the third section, including stations like CMIG, LNIG Linare, 833A Chaparral WMA, 352A Blakely, 341A Kurthwood, 341A Kurthwood, 244A Averis Jackson, 251A Midway, 252A Lumpkin, 242A Grayson, 435B Jarrell, 145A Houston Renfro, 149A Jones, 151A Opelika, 256A Glennville, 152A Waverly Hall, 152A Waverly Hall, LRAL Lakeview Retre, JCT Junction City, 155A Kite, Z50A Ashland, Z51A Franklin, Z40A Long Farm, Mag, Y46A Houston, GOGA Godfrey, Y48A Jasper, Y50A Piedmont, Y51A Rockmart, Y52A Lilburn, LTX Lajitas, TXAR Lajitas Array, Y54A Tigall, OXF Oxford, X47A Russelville, X41A Kaden, Bauxite, X53A Estanollee, MIAR Mount Ida, MIAR Mount Ida, ABTX Abilene, Hawle, X39A Fountain Ranch, W48A Pulaski, W47A Westpoint, W50A Signal Mountai, W41B Gary Mavity, V, W41B Gary Mavity, V, W40A Ferguson Farm, W40A Ferguson Farm, PCRV Puerto La Cruz, W39A Magazine, W39A Magazine, W47A Nunnely, W42A Cotton, W41A Mountainview, TKL Tuckaleechee C, TKL Tuckaleechee C, W40A Witts Springs, W40A Witts Springs, W53A Saluda, W39A Pettigrew, U47A Clarksville, U41A Viola, W40A Witts Springs, W40A Witts Springs, U40A Yellville, U39A Green Forest, TUL1 Leonard, TZTN Tazewell, T47A Sharon Grove, T43A Greenville, T42A Van Buren, T48A Bowling Green, T41A Mountain View, T50A Nancy, T49A Edmonton, T51A Mansfield, T39A Clever, T40A Mansfield, T48A Diamond, S44A Carbondale, S41A Jilco Farms, S40A Lebanon, S39A Bolivar.

27d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S39A Bolivar, CCM Cathedral Cave, R41A Rosebud, etc.

ISCJCB 27 06:12:56.6:0.8, 30.7N:0.1:113.88W:0.05, h10km, mb3.5/2, Error ellipse: s-maj=15.0km s-min=5.2km az=14.6

ECX 27 06:12:58.1:0.5, 30.59N:113.98W, h10km, MD3.7, ML3.9, mb3.6/2, Error ellipse: s-maj=5.2km s-min=1.5km az=31.0

ISC 27 06:12:57.6:1.0, 30.7N:0.1:113.91W:0.05, h10km, n11, c=235/16, 1C-1D, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ECXB El Chino, SPX San Pedro Mart, etc.

2012 AUG

TKL Tuckaleechee C 25.65 71 P P 06 18 28.1 +0.6
ILAR Eielson Array 29.76 339 P P 06 20 34.4 +4.2

IDC 27 06:21:56.1:0.8, 9.97N:88.09W, h0km, mb3.6/3, mb1.3/9.4, mb1mx3.5/2, mbtmp3.6/4, ML3.5/1, Error ellipse: s-maj=182.6km s-min=82.7km az=2.0, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, TXAR Lajitas Array, etc.

ECX 27 06:31:28.0:0.5, 35.15N:115.53W, h5km, MD3.2, ML3.4, NEIC 27 06:31:28.0:0.3, 33.04N:115.53W, h5km, ML3.4(PAS), After PAS, NEIC Felt at Calipatria

ISC 27 06:31:27.4:1.0, 33.13N:102.115:58W:0.02, h11km, 9km, n94, c136/96, 2C-12D, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SWSC Sam W. Stewart, COK Cook Ranch, etc.

PASC Pasadena Art C 2.41 296 ePn Pg 06 32 13.0 -0.6
W13A Hualapai Mount 2.41 35 ePn Pg 06 32 13.8 +0.1

OAT Out Mountain 2.81 296 eSn Pg 06 32 55.0 -2.6
OSI Oso Audit: C 3.01 300 ePn Pg 06 32 24.7 -0.3

SHRP Sheep Range 3.38 6 ePn Pg 06 32 21.9 +1.5
ISA Isabella, Lake 3.48 317 ePn Pg 06 32 33.0 -1.1

DAC Darwin (Calif) 3.55 333 ePn Pg 06 32 23.6 +0.9
X16A Lo Mia Camp, P 3.68 68 ePn Pg 06 32 25.2 +0.8

TPNV Topopah Spring Tucson 4.12 100 ePn Pg 06 32 30.2 -0.2
TUC Tucson 4.12 100 ePn Pg 06 32 30.2 -0.2

WUAZ Wupatki 4.21 54 ePn Pg 06 32 37.8 -3.9
U15A North Rim 4.26 39 ePn Pg 06 32 34.7 +2.2

LCMT Little Creek M 4.32 26 ePn Pg 06 32 35.2 +2.1
CGUT Cedar City 4.77 22 ePn Pg 06 32 42.0 +2.6

X16A Snowflake 4.89 72 ePn Pg 06 32 15.5 +1.5
PKCU Pink Cliffs 5.06 31 ePn Pg 06 32 51.1 -5.1

R11A Troy Canyon, C 5.21 360 ePn Pg 06 32 54.9 -3.7
W18A Petrified Fore 5.23 66 ePn Pg 06 32 48.0 +2.2

PSUT Pine Spring 5.57 14 ePn Pg 06 32 54.0 +3.6
DUG Douglas 5.61 106 ePn Pg 06 32 49.7 +0.7

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PV03 Paradox Valley, PV11 Paradox Mesa, etc.

ISK 27 06:34:08.3, 38.32N:38.82E, h5km, ML2.0/4, DDA 27 06:34:09.7, 38.30N:38.72E, h7km, ML2.7, ISC 27 06:34:09.1, 1.2, 38.30N:0.05:38.77E:0.03, h8km, 12km, n7, c098/12, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SVRC Sivrice-ELAZID, SVRC AKCAD, etc.

MOS 27 06:37:24.9:2.7, 48.59N:155.92E, h76km, mb4.7/24, Error ellipse: s-maj=9.0km s-min=3.3km az=76.0

KRSC 27 06:37:24.9:2.4, 48.59N:155.92E, h76km, 37km, ML5.0, SKHL 27 06:37:26.1:0.5, 48.67N:155.27E, h68km, 3km, mb4.7/7, IDC 27 06:37:31.7:1.9, 48.95N:154.81E, h88km, 16km, mb3.9/31, mb1.4/3.7, mb1mx3.9/8.1, mbtmp4.2/37, MS4.6/1, Ms1.4.6/1, ms1mx3.9/7.7, Error ellipse: s-maj=13.0km s-min=9.2km az=144.0

NEIC 27 06:37:31.6:0.5, 49.00N:154.85E, h81km, 4km, mb4.4/9/1, Error ellipse: s-maj=5.4km s-min=3.0km az=152.0

ISC 27 06:37:26.9:0.9, 48.74N:156.06E:155.19E:0.05, h47km, 8km, n318, c150/350, mb4.5/124, 3C, PTCI Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SKR Severo-Kuril's, SKR 134nm, 0.4s, etc.

KDTR Khodutka, C 3.58 30 ePn Pg 06 38 19.9 0.0
KDTR Khataya Ipe'l'ka 3.68 15 ePn Pg 06 38 22.0 +0.8

MIPR Malaya Ipe'l'ka 3.68 15 ePn Pg 06 38 22.0 +0.8
MIPR Malaya Ipe'l'ka 4.03 24 ePn Pg 06 38 27.2 +1.1

ASAK Asacha 4.03 24 ePn Pg 06 38 27.2 +1.1
ASAK Asacha 4.03 24 ePn Pg 06 38 27.2 +1.1

MTNV Mutnovka 4.20 26 ePn Pg 06 38 29.7 +1.2
MTNV Mutnovka 4.20 26 ePn Pg 06 38 29.7 +1.2

GRL Gorelyy 4.23 25 ePn Pg 06 38 30.9 +2.0
GRL Gorelyy 4.23 25 ePn Pg 06 38 30.9 +2.0

GRL Gorelyy 4.23 25 ePn Pg 06 38 30.9 +2.0
GRL Gorelyy 4.23 25 ePn Pg 06 38 30.9 +2.0

RUS Russkaya 4.26 29 ePn Pg 06 38 28.9 -0.2
RUS Russkaya 4.26 29 ePn Pg 06 38 28.9 -0.2

RUS Russkaya 4.26 29 ePn Pg 06 38 28.9 -0.2
RUS Russkaya 4.26 29 ePn Pg 06 38 28.9 -0.2

APC Apacha 4.37 16 ePn Pg 06 38 33.5 +2.9
APC Apacha 4.37 16 ePn Pg 06 38 33.5 +2.9

KRMR Karymshinskiy 4.50 23 ePn Pg 06 38 34.7 +1.4
KRMR Karymshinskiy 4.50 23 ePn Pg 06 38 34.7 +1.4

KRMR Karymshinskiy 4.50 23 ePn Pg 06 38 33.9 +1.5
KRMR Karymshinskiy 4.50 23 ePn Pg 06 38 33.9 +1.5

PEAOB Petropavlovsk- 4.65 19 ePn Pg 06 38 36.7 +2.1
PEAOB Petropavlovsk- 4.65 19 ePn Pg 06 38 36.7 +2.1

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9
PETK Petropavlovsk- 4.81 26 ePn Pg 06 39 31.1 +3.9

27d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNI Bardonecchia, IDI Anoyia, CPUP Villa Florida, etc.

IDC 27 06:37:40.4±1.9, 12.46N:88.57W, h0km, mb3.8/6, mb1.4/1.9, mb1mx3.757, mbtmp3.8/9, ML3.2/3, Error ellipse: s-maj=55.7km s-min=25.0km az=35.0

ISCJB 27 06:37:43.6±0.5, 12.03N:0.05:88.88W:0.04, h41km, mb4.1/37, Error ellipse: s-maj=7.6km s-min=4.6km az=32.6

CASC 27 06:37:43.5±1.1, 12.26N:88.86W, h95km, 124km, ML3.5, mb4.2(NEIC)

NEIC 27 06:37:44.0±0.8, 12.12N:88.76W, h35km, mb4.2/41, Error ellipse: s-maj=15.2km s-min=6.6km az=206.0

ISC 27 06:37:43.0±1.2, 12.01N:0.08:88.88W:0.06, h41km, n178, c1517/181, mb4.2/37, Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TECA Tecapa, VSM San Miguel, LFRS El Faro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BOQS Boqueron, IXG Ixapa, ESTN Estel, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ESPN Las Esperanzas, HDC Heredia, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 833A Chaparral WMA, 837A Chaparral WMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SDD Santo Domingo, 350A Dozier, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 341A Kurthwood, 249A Camden, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like 247A Quitman, 242A Grayson, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Y53A Monroe, X48A Hartselle, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like X46A Booneville, Y54A Tignall, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like X49A Woodville, ABTX Abilene, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MIAR Mount Ida, UALR University of, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like X39A Fountain Ranch, X52A Dahlonega, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like W48A Pulaski, W47A Westpoint, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JSC Jenkinsville, W41B Gary Mavity, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like W50A Signal Mount, W50A Signal Mount, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like W51A Cleveland, W40A Ferguson Farm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like W39A Magazine, W39A Magazine, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like O47A Sheridan, O50A Cable, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like L42A Oliver, L39A Vinton, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like L49A Milan, J41A Loganville, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like J43A Natural Harves, J40A Soldiers Grove, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like J38A Wedel Dairy, J37A Redenius Farm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YLE Yale, H40A Chili, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PFO Pinyon Flats, G39A Holcombe, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPMN Marine on St., COWI Conover, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EYMN Ely, MOQ Mont Orford, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like REDW Red Top Meadow, SNOW Snow King Mount, etc.

KRNET 27 06:37:52.0±0.1, 41.23N:71.89E, h11km, mb2.2

NNC 27 06:37:58.2±2.6, 41.39N:72.09E, h14km, 21km, mb3.0

mp2.4, Error ellipse: s-maj=14.3km s-min=8.2km az=75.0

ISC 27 06:37:54.2±1.3, 41.28N:0.03:71.91E:0.04, h9km, n11km, n12, c088/21, 11C-13D, Kyrgyzstan

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

ISCJB 27 06:38:13.6±0.4, 39.66N:0.02:29.40E:0.04, h0km, Error ellipse: s-maj=4.2km s-min=3.3km az=19.6

DDA 27 06:38:13.7, 39.69N:29.39E, h7km, ML2.6, Suspected Mining explosion.

ISC 27 06:38:13.5±0.8, 39.56N:0.03:29.39E:0.03, h0km, n21, c1511/32, Turkey

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

IDC 27 06:40:37.1±1.5, 17.86S:178.48W, h539km, 18km, mb3.5/11, mb1.3/7.14, mb1mx3.3/58, mbtmp4.4/14, Error ellipse: s-maj=33.4km s-min=10.5km az=159.0

ISCJB 27 06:40:38.7±0.6, 17.9S:0.2:178.44W:0.10, h579km, mb4.0/12, Error ellipse: s-maj=27.6km s-min=9.3km az=161.8

ISC 27 06:40:39.4±0.8, 17.9S:0.2:178.4W:0.11, h579km, n16,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AFI Afiamalu, DZM Mont Dzumac, RAR Farolonga, etc.

IDC 27 06:48:11.6:2.2, 12:19N-88:49W, h0km, mb3.6/4, mb1 3.9/7, mb1mx3.6/55, mbtmp3.6/7, ML3.2/3, Error ellipse: s-maj=69.4km s-min=27.0km az=37.0, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like APG El Apazote, JTS JuntasAbangare, CMIG Matias Romero, etc.

DDA 27 07:08:52.8, 38:90N-43:59E, h17km, M1.9 ISK 27 07:08:53.2, 38:94N-43:51E, h11km, ML2.3/4 ISK 27 07:08:53.2, 1.0, 12:07N-0:05:43:57E, 0:04, h17km, 6km, n9, c08/17, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VMUR Van-Muradiye, VANE Van, CLDR Caldiran, etc.

IDC 27 07:09:39.2:2.8, 12:07N-88:83W, h0km, mb3.4/3, mb1 3.8/6, mb1mx3.5/53, mbtmp3.5/6, ML3.3/3, Error ellipse: s-maj=96.4km s-min=25.7km az=39.0 ISK 27 07:09:41.9, 1.0, 12:07N-0:09:88:77W, 0:05, h41km, mb3.4/3, Error ellipse: s-maj=13.6km s-min=5.0km az=24.2

CASC 27 07:09:41.7:1.0, 12:17N-88:80W, h77km, 50km, ML2.8, mb4.2/2NIC ISK 27 07:09:44.7:1.4, 12:22N-0:11:88:70W, 0:07, h41km, n17, c15/27/21, mb3.5/3, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, SNET Serv Nac Est T, CNGT Cerro Negro, etc.

IDC 27 07:10:27.9:1.4, 12:75N-87:95W, h0km, mb3.9/6, mb1 4.1/8, mb1mx3.8/53, mbtmp3.8/8, ML3.3/2, Error ellipse: s-maj=99.1km s-min=20.3km az=46.0 ISK 27 07:10:29.3:0.6, 12:18N-0:06:88:50W, 0:06, h35km, mb4.2/27, Error ellipse: s-maj=11.2km s-min=4.8km az=37.7

NEIC 27 07:10:32.6:0.5, 12:18N-88:48W, h35km, mb4.2/29, Error ellipse: s-maj=10.5km s-min=5.5km az=215.0 ISK 27 07:10:31.9:0.8, 12:18N-0:10:88:45W, 0:09, h35km, n158, c15/64/159, mb4.2/27, Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, TGUH Tegucigalpa, Un, ESTN Estel, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HDC Heredia, CCGM Comitan, CMIG Matias Romero, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like R38A Fenwick Farm, Q45A Warren Harvey, Q47A North L, etc.

ISCJB 27 07:32:13.8:0.4, 39:08N-0:03:28:15E, 0:03, h8km, 6km, Error ellipse: s-maj=4.8km s-min=3.9km az=31.2

DDA 27 07:32:13.7, 39:12N-28:14E, h7km, M1.5 ISK 27 07:32:13.2, 39:10N-28:15E, h10km, 6km, ML2.2/7 ISK 27 07:32:13.5:1.1, 39:09N-0:03:28:15E, 0:03, h12km, 12km, n15, c05/59/23, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKS Akhisar, STEP BALKESIR_Sava, etc.

IDC 27 07:32:29.2:1.1, 2:74N-128:84E, h0km, mb3.7/6, mb1 3.8/7, mb1mx3.5/65, mbtmp3.7/7, ML3.3/1, Error ellipse: s-maj=56.7km s-min=18.4km az=73.0 DJA 27 07:32:31.3:2.9, 3:12E, 1:8N, h13km, 21km, M4.2/7,

27d 7h

mB4.9/2, mb4.4/2, MLv4.1/7, Mw(mB)4.2/2
ISCJB 27 07:32:32.4 0.0, 2.60N, 0.08E, 128.82E, 0.08, h35km,
mb3.6/5, Error ellipse: s-maj=14.3km s-min=8.5km
az=139.1

ISC 27 07:32:34.3 1.0, 2.58N, 0.10E, 128.8E, 0.1, h35km, n17,
o=80/12, mb3.7/5, Almahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like Ternate, Labuha, Sangihe, etc.

SOME 27 07:45:42.0, 40.72N, 78.08E, h15km
KRNET 27 07:45:44.6 0.1, 40.86N, 77.82E, mb3.0
NNC 27 07:45:45.4 3.1, 45.63N, 76.86E, h0km, mb3.5, mpv3.1,
Error ellipse: s-maj=26.5km s-min=13.1km az=176.0

ISC 27 07:45:42.9 2.0, 40.77N, 0.09E, 77.83E, 0.04, h10km, n31,
o=172/59, 17C-13D, Kyrgyzstan-Xinjiang border region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Przheval'sk, Ulhal, Boom, etc.

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Main station list table for 2012 AUG with columns: MNAS, Manas, 4.34 295, Pp, Pg, 07 47 04.8 -1.4, etc. Includes stations like Kaparassan, Kaps, etc.

1278

Main station list table for 1278 with columns: 244A, Avery, Jackson, 19.92 355 P, Pn, 07 51 46.7 +0.3, etc. Includes stations like Midway, Lumpkin, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like K39A, K38A, JFWS, N59A, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like FRNY, LBHN, TCUT, PDAR, C40A, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like ASAR, SONM, MKAR, KURBB, etc.

TIGA	Trifton	19.66	14	P	P	08 10 22.8 +0.5
248A	Dixon Mills	19.68	4	P	Pn	08 10 23.8 -0.3
250A	Grady	19.70	7	eP	Pn	08 10 23.9 -0.5
250A	Grady	19.70	7	P	P	08 10 23.3 +0.6
242A	Grayson	19.80	352	P	Pn	08 10 25.8 +0.2
VBMS	Vicksburg	19.81	357	eP	Pn	08 10 25.8 +0.2
VBMS	Vicksburg	19.81	357	P	Pn	08 10 25.6 +0.1
241A	Mo Tay, Golden	19.88	350	eP	Pn	08 10 25.8 -0.6
241A	Mo Tay, Golden	19.88	350	P	Pn	08 10 25.9 -0.6
435B	Jarrell	19.93	338	eP	P	08 10 25.1 -0.1
435B	Jarrell	19.93	338	P	P	08 10 24.9 -0.3
251A	Midway	19.94	9	P	P	08 10 26.2 +1.0
252A	Lumpkin	19.96	11	P	Pn	08 10 26.8 -0.6
NATX	Nacogdoches	19.97	346	eP	P	08 10 26.1 +0.5
NATX	Nacogdoches	19.97	346	P	P	08 10 26.0 +0.5
240A	Hunter Patters	20.04	348	eP	P	08 10 27.4 +1.0
253A	Americus	20.14	12	eP	P	08 10 28.1 +0.7
253A	Americus	20.14	12	P	P	08 10 28.3 +0.9
145A	Houston Renfro	20.16	358	P	Pn	08 10 29.3 -0.4
146A	Union	20.18	0	eP	Pn	08 10 29.4 -0.6
146A	Union	20.18	0	P	Pn	08 10 29.3 -0.7
144A	Alexander Plac	20.21	357	P	Pn	08 10 29.9 -0.5
254A	Abbeville	20.22	14	P	Pn	08 10 29.5 -1.0
147A	Livingston	20.23	2	eP	Pn	08 10 29.9 -0.7
147A	Livingston	20.23	2	P	Pn	08 10 29.8 -0.8
148A	Greensboro	20.24	4	P	Pn	08 10 29.7 -1.0
149A	Jones	20.26	6	P	Pn	08 10 30.0 -0.9
150A	Eclectic	20.35	8	P	Pn	08 10 31.3 -0.8
143A	Socs Landing,	20.36	354	eP	P	08 10 30.8 +1.1
143A	Socs Landing,	20.36	354	P	Pn	08 10 31.1 -0.9
151A	Opelika	20.37	9	P	P	08 10 31.2 +1.2
255A	Hazlehurst	20.41	16	P	P	08 10 31.6 +1.2
141A	Papa Simpson,	20.45	351	P	P	08 10 31.5 +0.7
JCT	Junction City	20.56	333	eP	P	08 10 31.8 -0.3
JCT	Junction City	20.56	333	P	P	08 10 31.7 -0.4
140A	Cam and Jess,	20.59	349	eP	P	08 10 32.6 +0.3
152A	Waverly Hall	20.61	11	eP	P	08 10 32.7 +0.1
152A	Waverly Hall	20.61	11	P	P	08 10 33.4 +0.8
LRAL	Lakeview Retre	20.67	5	eP	P	08 10 33.8 +0.6
LRAL	Lakeview Retre	20.67	5	P	P	08 10 34.4 +1.2
246A	Louisiana	20.74	0	P	Pn	08 10 35.6 -0.9
247A	Carrollton	20.77	3	P	Pn	08 10 35.6 -1.2
153A	Fort Valley	20.77	13	P	P	08 10 35.0 +0.7
244A	Pea Ridge, Bel	20.86	357	P	P	08 10 36.2 +1.1
249A	Columbiana	20.87	6	P	P	08 10 36.4 +1.0
154A	Montrose	20.90	14	eP	P	08 10 36.5 +0.8
154A	Montrose	20.90	14	P	P	08 10 36.5 +0.8
245A	Winona	20.92	359	eP	P	08 10 37.0 +1.1
245A	Winona	20.92	359	P	P	08 10 37.2 +1.4
248A	Northport	20.97	4	P	P	08 10 37.2 +0.7
242A	Norrel Spur, H	20.98	353	P	P	08 10 36.6 +0.2
WHTX	Lake Whitney	20.99	340	eP	P	08 10 36.1 -0.5
WHTX	Lake Whitney,	20.99	340	P	P	08 10 36.1 -0.5
Z50A	Ashland	21.00	8	eP	P	08 10 37.7 +0.9
Z50A	Ashland	21.00	8	P	P	08 10 38.1 +1.3
241A	Richland Creek	21.07	351	eP	P	08 10 37.4 -0.1
241A	Richland Creek	21.07	351	P	P	08 10 38.2 +0.7
155A	Kite	21.07	16	P	P	08 10 37.5 -0.1
Z40A	Long Farm, Mag	21.17	350	P	P	08 10 39.9 +1.4
251A	Franklin	21.17	9	P	P	08 10 40.5 +1.9
HPIG	comp=N,31nm,1.1s	21.24	315	eP	P	08 10 40.6 +0.9
156A	Sylvania	21.38	18	P	P	08 10 42.0 +1.2
Y46A	Yeager Farm, C	21.41	359	P	P	08 10 41.6 +0.5
Y46A	Houston	21.43	1	P	P	08 10 42.2 +0.9
Z53A	Monticello	21.44	13	P	P	08 10 42.1 +0.6
Y47A	UCPARC, Winfie	21.48	3	P	P	08 10 41.4 -0.5
Y42A	Garnett, Star	21.52	354	P	P	08 10 43.1 +0.8
Y43A	Makyla and Ka	21.52	356	P	P	08 10 43.1 +0.8
Y44A	Strider, Charl	21.53	358	P	P	08 10 42.2 -0.1
Y48A	Jasper	21.53	4	P	P	08 10 41.9 -0.5
Y49A	Blount Mountain	21.54	6	eP	P	08 10 42.5 -0.1
Y49A	Blount Mountain	21.54	6	P	P	08 10 42.9 +0.4
Z54A	Sparta	21.56	14	P	P	08 10 42.8 0.0
GOGA	Godfrey	21.59	13	eP	P	08 10 43.2 +0.2
GOGA	Godfrey	21.59	13	P	P	08 10 42.7 -0.3
CCAR	Cane Creek	21.59	354	eP	P	08 10 44.8 +1.8
TXAR	Lajitas Ar. Si	21.64	324	P	P	08 10 44.9 +1.2
TX31	Lajitas Ar. Si	21.64	324	eP	P	08 10 45.0 +1.3
Y50A	Piedmont	21.66	8	P	P	08 10 43.6 -0.2
Y41A	Eglette Beard	21.66	352	P	P	08 10 43.3 -0.4
Z55A	Blythe	21.73	16	P	P	08 10 44.2 -0.3
Y51A	Rockmart	21.76	9	P	P	08 10 45.0 +0.1
Y40A	Okolona	21.88	351	P	P	08 10 46.5 +0.3
Y52A	Lilburn	21.90	11	eP	P	08 10 47.2 +0.8
Y52A	Lilburn	21.90	11	P	P	08 10 46.6 +0.2

X45A	UM Field Stati	21.97	359	P	P	08 10 47.5 +0.4
Y53A	Monroe	21.99	12	P	P	08 10 47.2 -0.2
OXF	Oxford	22.05	359	eP	P	08 10 48.1 0.0
OXF	Oxford	22.05	359	P	P	08 10 48.3 +0.3
X44A	Crenshaw	22.06	358	P	P	08 10 49.5 +1.4
X48A	Hartselle	22.07	5	eP	P	08 10 48.0 -0.3
X48A	Hartselle	22.07	5	P	P	08 10 48.4 +0.1
X47A	Russellville	22.09	3	P	P	08 10 48.2 -0.2
X46A	Booneville	22.10	1	P	P	08 10 49.3 +0.8
ATAH	Atahualpa	22.11	151	P	P	08 10 46.4 -2.9
X43A	Marvell	22.12	356	eP	P	08 10 49.5 +0.8
X43A	Marvell	22.12	356	P	P	08 10 49.8 +1.1
Y54A	Tignal	22.20	14	P	P	08 10 49.5 -0.1
X49A	Woodville	22.20	6	P	P	08 10 49.6 0.0
X42A	Stuttgart	22.21	355	P	P	08 10 50.5 +0.8
NHSC	New Hope	22.22	20	eP	P	08 10 51.9 +2.1
NHSC	New Hope	22.22	20	P	P	08 10 49.0 -0.7
X50B	Fort Payne	22.23	8	P	P	08 10 49.9 -0.1
X41A	Kaden, Bauxite	22.25	353	P	P	08 10 50.3 +0.2
X40A	Basin Creek Fa	22.28	352	eP	P	08 10 49.7 -0.8
X40A	Basin Creek Fa	22.28	352	P	P	08 10 50.7 +0.1
ABTX	Abilene, Hawle	22.36	336	eP	P	08 10 49.6 -1.7
ABTX	Abilene, Hawle	22.36	336	P	P	08 10 50.0 -1.4
X51A	Calhoun	22.45	9	P	P	08 10 51.7 -0.6
MIAR	Mount Ida	22.45	350	eP	P	08 10 52.2 -0.1
MIAR	Mount Ida	22.45	350	P	P	08 10 51.7 -0.6
UALR	University of	22.50	353	eP	P	08 10 52.9 +0.1
X39A	Fountain Ranch	22.51	349	P	P	08 10 53.3 +0.4
PLAL	Pickwick Lake	22.54	2	eP	P	08 10 53.0 -0.3
X52A	Dahlonega	22.65	11	P	P	08 10 53.8 -0.7
X53A	Estanollee	22.67	13	P	P	08 10 53.4 -1.3
W46A	Michie	22.68	2	P	P	08 10 54.4 -0.3
W45A	Hickory Valley	22.70	360	P	P	08 10 54.4 -0.5
W48A	Pulaski	22.77	5	P	P	08 10 55.5 -0.2
W49A	Belvidere	22.81	6	P	P	08 10 55.2 -0.9
W47A	Westpoint	22.83	3	P	P	08 10 56.1 -0.3
W41B	Gary Mavity, V	22.89	353	eP	P	08 10 57.0 +0.1
W41B	Gary Mavity, V	22.89	353	P	P	08 10 56.4 -0.5
SWET	Sewanee	22.94	7	eP	P	08 10 56.7 -0.8
JSC	Jenkinsville	22.97	17	eP	P	08 10 58.5 +0.7
W50A	Signal Mountai	23.00	8	eP	P	08 10 57.4 -0.7
W50A	Signal Mountai	23.00	8	P	P	08 10 57.3 -0.9
W40A	Ferguson Farm,	23.01	352	eP	P	08 10 58.5 +0.3
W40A	Ferguson Farm,	23.01	352	P	P	08 10 58.9 +0.8
W51A	Cleveland	23.04	9	P	P	08 10 58.1 -0.4
W52A	Murphy	23.12	11	P	P	08 10 58.8 -0.5
W39A	Magazine	23.12	350	eP	P	08 10 59.5 +0.2
W39A	Magazine	23.12	350	P	P	08 10 59.3 0.0
HBAR	Harrisburg	23.13	357	eP	P	08 10 59.7 +0.3
BG3	Lake Jocassee	23.22	13	eP	P	08 11 00.4 +0.1
V45A	Humboldt	23.28	0	P	P	08 11 00.6 -0.3
W53A	Gulloowhee	23.34	12	P	P	08 11 01.1 -0.5
V46A	Holladay	23.36	2	P	P	08 10 59.8 -1.8
V43A	Jonaboro	23.36	357	P	P	08 11 01.4 -0.2
CPCT	Cooper Cave	23.36	10	eP	P	08 11 01.4 -0.3
V48A	Smith Brothers	23.37	5	eP	P	08 11 01.0 -0.8
V48A	Smith Brothers	23.37	5	P	P	08 11 01.5 -0.3
V44A	Blytheville	23.38	358	P	P	08 11 01.2 -0.5
V47A	Nunnely	23.41	3	P	P	08 11 00.6 -1.5
V42A	Cord	23.43	355	P	P	08 11 01.9 -0.4
V41A	Mountainview	23.48	354	P	P	08 11 02.2 -0.6
V50A	Pikeville	23.49	8	P	P	08 11 02.2 -0.7
GNAR	Gosnell	23.52	358	eP	P	08 11 03.3 +0.2
V40A	Witts Springs	23.58	352	eP	P	08 11 04.1 +0.3
V40A	Witts Springs	23.58	352	P	P	08 11 03.4 -0.4
TKL	Tuckaleechee C	23.70	11	P	P	08 11 04.6 -0.2
TKL	Tuckaleechee C	23.70	11	eP	P	08 11 04.5 -0.4
WVT	Waverly	23.70	3	eP	P	08 11 04.2 -0.6
WVT	Waverly	23.70	3	P	P	08 11 04.4 -0.4
V39A	Pettigrew	23.73	351	P	P	08 11 04.6 -0.7
CUPR	Culebra, Puert	23.73	73	eP	P	08 11 05.0 -0.3
V51A	Loudon	23.74	10	eP	P	08 11 05.3 +0.1
V51A	Loudon	23.74	10	P	P	08 11 04.4 -0.8
KMSC	Kings Mountain	23.76	16	eP	P	08 11 05.6 +0.1
KMSC	Kings Mountain	23.76	16	P	P	08 11 05.2 -0.2
U44B	Burton Farm, H	23.88	360	P	P	08 11 06.4 -0.1
UTMT	University of	23.88	1	P	P	08 11 06.4 -0.1
V53A	Saluda	23.90	13	eP	P	08 11 06.5 -0.3
V53A	Saluda	23.90	13	P	P	08 11 06.6 -0.3
V52A	Sevierville	23.91	11	eP	P	08 11 06.0 -0.8
V52A	Sevierville	23.91	11	P	P	08 11 06.3 -0.5
U46A	Springville	23.91	2	P	P	08 11 05.8 -1.0
U43A	Recto	23.93	357	P	P	08 11 06.6 -0.4
WMOK	Wichita Mounta	23.94	340	eP	P	08 11 05.6 -1.5

WMOK	Wichita Mounta	23.94	340	P	P	08 11 05.8 -1.4
U42A	Reviden	23.96	356	P	P	08 11 06.3 -1.1
U41A	Viola	24.01	354	P	P	08 11 07.0 -0.8
U47A	Clarksville	24.04	4	P	P	08 11 06.6 -1.4
U44A	Portageville	24.05	359	P	P	08 11 07.4 -0.7
PCRV	Puerto La Cruz	24.12	93	P	P	08 11 09.1 0.0
U40A	Yellville	24.13	353	P	P	08 11 08.4 -0.5
U48A	Cassie Pea, Po	24.16	5	P	P	08 11 08.7 -0.5
PARMO	Parma	24.21	359	eP	P	08 11 09.4 -0.2
TUL1	Leonard	24.21	347	eP	P	08 11 08.5 -1.0
TUL1	Leonard	24.21	347	P	P	08 11 08.4 -1.2
HHAR	Hobbs	24.21	350	e		

Q51A	Peebles	27.05	10	P	P	08 11 34.5	-0.9
NNA	Nana	27.09 153	P	P	08 11 37.1	+1.2	
P47A	Martintville	27.14 5	P	P	08 11 34.1	-1.9	
P42A	Winchester	27.14 358	eP	P	08 11 35.1	-1.0	
P42A	Winchester	27.14 358	P	P	08 11 34.8	-1.3	
P40A	Paris	27.18 355	eP	P	08 11 35.1	-1.4	
P40A	Paris	27.18 355	P	P	08 11 35.5	-1.0	
Q52A	Bidwell	27.19	12	P	08 11 35.7	-0.8	
P48A	Milroy	27.19	6	P	08 11 34.6	-2.0	
P39B	Salisbury	27.21 354	P	P	08 11 36.4	-0.4	
P41A	Barry, Barry	27.26 357	P	P	08 11 36.5	-0.7	
P49A	Miami Univ. Ec	27.35	7	P	08 11 35.4	-2.6	
LAZ	Ladron	27.38 326	eP	P	08 11 36.4	-2.2	
R58B	Mineral	27.41	20	P	08 11 38.5	0.0	
ANMO	Albuquerque	27.43 328	eP	P	08 11 39.8	+0.7	
P38A	Dawn	27.43 353	eP	P	08 11 38.0	-0.7	
P38A	Dawn	27.43 353	P	P	08 11 38.1	-0.7	
KSU1	Kansas State U	27.45 347	eP	P	08 11 37.9	-1.0	
KSU1	Kansas State U	27.45 347	P	P	08 11 38.2	-0.7	
P51A	Williamsport	27.54	10	P	08 11 38.6	-1.1	
P50A	Jamestown	27.55	9	P	08 11 38.7	-1.1	
O14A	Passleys Farm,	27.69 357	P	P	08 11 40.0	-1.0	
O44A	Mansfield	27.69	1	P	08 11 40.0	-1.0	
O40A	La Belle	27.76 355	P	P	08 11 40.3	-1.4	
O45A	Potomac	27.81	2	P	08 11 40.8	-1.3	
P52A	Corning	27.86	12	P	08 11 42.1	-0.5	
O47A	Sheridan	27.89	5	P	08 11 41.5	-1.3	
O38A	Galt	27.92 353	P	P	08 11 42.4	-0.7	
O39A	Kirkville	27.95 354	P	P	08 11 42.7	-0.7	
CBK5	Cedar Bluff	27.98 342	eP	P	08 11 43.0	-0.8	
CBK5	Cedar Bluff	27.98 342	P	P	08 11 42.3	-1.4	
O48A	Farmland	28.01	6	P	08 11 42.2	-1.6	
HD1L	Hopedale	28.09 360	eP	P	08 11 43.5	-1.0	
HD1L	Hopedale	28.09 360	P	P	08 11 43.6	-1.0	
O50A	Cable	28.10	9	P	08 11 43.3	-1.4	
T25A	Trinidad	28.23 334	eP	P	08 11 46.1	0.0	
N41A	Harden Midland	28.28 357	eP	P	08 11 44.7	-1.6	
N41A	Harden Midland	28.28 357	P	P	08 11 44.7	-1.6	
N42A	Yates City	28.37 359	P	P	08 11 45.8	-1.3	
N40A	Mertquaque, Sal	28.50 356	P	P	08 11 46.9	-1.3	
N38A	Joes South For	28.55 353	P	P	08 11 47.7	-1.0	
N39A	Derby Farms, D	28.56 355	eP	P	08 11 47.9	-0.9	
N39A	Derby Farms, D	28.56 355	P	P	08 11 48.1	-0.6	
N37A	Lee Faris, Mou	28.64 352	eP	P	08 11 47.5	-1.9	
N37A	Lee Faris, Mou	28.64 352	P	P	08 11 47.6	-1.9	
M41A	Milan	28.93 358	P	P	08 11 49.9	-2.2	
M40A	Post Highland	29.01 356	P	P	08 11 51.8	-0.9	
K5C0	Kaye Shedlock	29.12 338	eP	P	08 11 53.7	-0.3	
K5C0	Kaye Shedlock	29.12 338	P	P	08 11 54.2	+0.3	
M39A	Webster	29.13 355	P	P	08 11 52.7	-1.2	
M38A	Pleasantville	29.16 354	P	P	08 11 52.9	-1.3	
SDCO	Great Sand Dun	29.21 333	eP	P	08 11 55.5	+0.6	
M36A	Felix, Anita	29.41 351	P	P	08 11 54.7	-1.6	
M50A	Fremont	29.42	9	P	08 11 54.1	-2.3	
L42A	Oliver, Polo	29.54 359	eP	P	08 11 57.0	-0.5	
L42A	Oliver, Polo	29.54 359	P	P	08 11 56.2	-1.3	
N54A	Moraine State	29.60	14	P	08 11 57.4	-0.6	
N54A	Moraine State	29.60	14	P	08 11 56.6	-1.4	
L41A	Preston	29.63 358	P	P	08 11 56.9	-1.3	
L40A	Anamosa	29.65 357	eP	P	08 11 57.4	-1.0	
L40A	Anamosa	29.65 357	P	P	08 11 57.5	-0.9	
L47A	Sherwood	29.70	6	P	08 11 57.0	-1.9	
L43A	Garden Prairie	29.71	1	P	08 11 58.0	-0.9	
L39A	Vinton	29.76 356	P	P	08 11 57.8	-1.6	
L38A	Oak Wood Farm,	29.86 354	P	P	08 11 59.0	-1.3	
K41A	Shullsburg	30.15 358	P	P	08 12 01.6	-1.3	
M54A	Oil Creek Stat	30.20	14	P	08 12 02.2	-1.1	
MVC0	Mesa Verde	30.23 328	eP	P	08 12 03.6	-0.3	
K40A	Colesburg	30.28 357	P	P	08 12 01.8	-2.2	
K42A	Prairie Point,	30.31 360	P	P	08 12 02.4	-1.9	
K39A	Olwein	30.33 356	P	P	08 12 03.0	-1.4	
K38A	Parkersburg	30.34 355	eP	P	08 12 03.9	-0.7	
K38A	Parkersburg	30.34 355	P	P	08 12 03.3	-1.3	
JFWS	Jewell Farm	30.46 358	eP	P	08 12 04.6	-0.9	
JFWS	Jewell Farm	30.46 358	P	P	08 12 03.7	-1.9	
K37A	Belmond	30.55 353	P	P	08 12 05.4	-1.0	
N59A	State Game Lan	30.77	20	eP	08 12 07.7	-0.7	
N59A	State Game Lan	30.77	20	P	08 12 07.1	-1.3	
J42A	Columbus	30.85	0	P	08 12 07.5	-1.5	
J41A	Loganville	30.90 359	P	P	08 12 08.1	-1.4	
J39A	Decorah	30.94 356	P	P	08 12 08.3	-1.6	
J40A	Soldiers Grove	30.96 358	P	P	08 12 08.3	-1.6	
ISCO	Idaho Springs	30.97 335	eP	P	08 12 10.7	+0.2	
J38A	Wedel Dairy, R	30.98 355	P	P	08 12 08.9	-1.3	
SMCO	Snowmass	31.05 332	eP	P	08 12 10.1	-1.2	

J37A	Redenius Farm,	31.07 354	P	P	08 12 09.4	-1.6
PV02	Paradox Valley	31.11 329	eP	P	08 12 13.1	+1.4
PV13	Paradox Valley	31.12 329	eP	P	08 12 11.3	-0.5
PV05	Paradox Valley	31.20 329	eP	P	08 12 13.4	+0.9
PV03	Paradox Valley	31.21 329	eP	P	08 12 13.1	+0.5
PV12	Saucer Basin,	31.23 329	eP	P	08 12 12.9	+0.2
PV11	David Mesa, Pa	31.25 329	eP	P	08 12 13.2	+0.3
PV17	East Wray Mesa	31.28 329	eP	P	08 12 12.8	-0.4
ODNJ	Ogdenburg	31.32	21	eP	08 12 12.6	-0.6
KSPA	Keystone Colle	31.35	19	eP	08 12 13.5	0.0
PV14	Lion Creek, Pa	31.39 329	eP	P	08 12 14.4	+0.2
PV10	Paradox Valley	31.40 329	eP	P	08 12 14.3	+0.1
I42A	Draeger Farm,	31.42	0	P	08 12 13.4	-0.6
I42A	Draeger Farm,	31.42	0	P	08 12 12.8	-1.3
I43A	Langenfeld Bro	31.42	1	P	08 12 12.5	-1.6
I40A	Northkill	31.45 358	P	P	08 12 13.0	-1.3
I39A	Houston	31.45 357	eP	P	08 12 13.3	-1.0
I39A	Houston	31.45 357	P	P	08 12 13.4	-1.0
PV09	Paradox Valley	31.54 329	eP	P	08 12 16.1	+0.6
I41A	Arkdale	31.59 359	P	P	08 12 14.8	-0.8
I41A	Arkdale	31.59 359	P	P	08 12 14.1	-1.4
I38A	Scanlan Farm,	31.69 356	P	P	08 12 14.7	-1.7
PTGA	Pitinga	31.73 112	P	P	08 12 17.6	+0.4
PTGA	Pitinga	31.73 112	eP	P	08 12 17.7	+0.6
I37A	Lemond, Waseca	31.76 354	eP	P	08 12 15.9	-1.1
I37A	Lemond, Waseca	31.76 354	P	P	08 12 16.1	-1.0
BINY	Binghamton	31.86	19	P	08 12 17.0	-0.9
ECSD	EROS Data Cent	31.92 350	eP	P	08 12 16.9	-1.5
ECSD	EROS Data Cent	31.92 350	P	P	08 12 17.2	-1.3
H41A	Junction City	32.15 359	eP	P	08 12 19.2	-1.2
H41A	Junction City	32.15 359	P	P	08 12 18.2	-2.2
H40A	Chill	32.17 358	P	P	08 12 18.9	-1.7
H39A	Augusta	32.26 357	P	P	08 12 19.8	-1.6
H37A	Dierke Farm, C	32.27 355	P	P	08 12 19.7	-1.9
H38A	Maiden Rock	32.32 356	P	P	08 12 20.3	-1.6
H36A	Jessenland, He	32.37 354	P	P	08 12 21.4	-1.0
O20A	White River Ci	32.39 332	eP	P	08 12 24.2	+1.3
H35A	Sunnyside Ranc	32.59 352	P	P	08 12 21.8	-2.5
G41A	Antigo	32.74 360	P	P	08 12 24.3	-1.3
G42A	Mountain	32.77	1	P	08 12 23.7	-2.2
G38A	Ridgeland	32.78 356	P	P	08 12 24.3	-1.6
G43A	Wallace	32.81	2	eP	08 12 24.3	-1.9
G40A	Rib Lake	32.81 359	eP	P	08 12 24.4	-1.8
G40A	Rib Lake	32.81 359	P	P	08 12 24.9	-1.4
G39A	Holcombe	32.86 357	P	P	08 12 25.2	-1.5
SPMN	Marine on St.	32.90 355	eP	P	08 12 25.8	-1.2
SPMN	Marine on St.	32.90 355	P	P	08 12 25.4	-1.6
SUSD	Miller	33.06 347	P	P	08 12 26.8	-1.7
RWWY	Rawlins	33.21 335	eP	P	08 12 30.4	+0.3
F41A	Three Lakes	33.27	0	eP	08 12 28.5	-1.7
SAML	Samuel	33.36 128	eP	P	08 12 29.4	-2.0
F37A	Hinrichs Farm,	33.38 356	P	P	08 12 28.7	-2.5
F43A	Flat Rock, Esc	33.40	2	P	08 12 27.0	-4.4
SADO	Sadowa	33.41	13	P	08 12 30.2	-1.3
SADO	Sadowa	33.41	13	eP	08 12 30.1	-1.3
F40A	Park Falls	33.46 359	P	P	08 12 30.5	-1.4
F39A	Lonia	33.48 358	P	P	08 12 29.8	-2.2
F38A	Pierce - Schro	33.57 357	P	P	08 12 31.3	-1.6
F44A	Big Bay de Noc	33.58	3	P	08 12 30.7	-2.2
COWI	Conover	33.63 360	eP	P	08 12 31.1	-2.2
E39A	Mellen	33.93 358	P	P	08 12 34.0	-1.9
E43A	Lone Tree Farm	33.95	3	eP	08 12 34.5	-1.6
E43A	Lone Tree Farm	33.95	3	P	08 12 34.2	-1.9
E42A	Champion	33.97	2	P	08 12 34.7	-1.6
E40A	Wakefield	33.98 359	P	P	08 12 34.9	-1.5
RSSD	Black Hills	34.15 341	eP	P	08 12 38.3	+0.1
E38A	The Farm, Brul	34.20 357	eP	P	08 12 36.7	-1.6
E38A	The Farm, Brul	34.20 357	P	P	08 12 36.2	-2.0
LONY	Lake Ozonia	34.48	18	P	08 12 39.5	-1.3
PDAR	Pinedale Array	35.10 333	P	P	08 12 46.0	-0.4
PDAR	Pinedale Array	35.10 333	PcP	P	08 15 18.6	+1.1
LPAZ	La Paz	35.24 143	P	P	08 12 48.0	-0.2
C40A	Isle Royale Nc	35.44 360	eP	P	08 12 47.6	-1.4
EYMN	Ely	35.53 357	eP	P	08 12 48.0	-1.8
EYMN	Ely	35.53 357	P	P	08 12 47.1	-2.7

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like LFRS El Faro, VSM San Miguel, COLS Colinas, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like CCAR Cane Creek, Y41A Eaglette Beard, TX31 Lajas Ar. Si, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like T39A Clever, T40A Mansfield, MXST Muleshoe, etc.

Table with columns: ID, Name, Az, El, SNR, P, M, D, Az, El, SNR, P, M, D. Rows include stations like M50A Fremont, M36A Felix, Anita, N54A Moraitis State, etc.

Table with columns: ID, Name, Az, El, SNR, P, M, D, Az, El, SNR, P, M, D. Rows include stations like COWI Conover, E39A Mellen, E43A Lone Tree Farm, etc.

ISCJB 27 08:16:17.1±0.4, 12:28N±0.04:88.74W±0.03, h40km, mb4.5/10, Error ellipse: s-maj=6.5km s-min=4.1km az=31.9

NEIC 27 08:16:19.3±0.3, 12:32N:88.71W, h35km, mb4.6/11/7, Error ellipse: s-maj=7.1km s-min=4.8km az=46.0

IDC 27 08:16:20.1±2.7, 12:58N:88.41W, h38km, 23km, 63/9/13, mb1.4/2/16, mb1mx0.0/5.1, mbmp4.2/16, ML4.0/2, Error ellipse: s-maj=28.4km s-min=14.2km az=58.0

ISC 27 08:16:19.5±0.5, 12:29N±0.07:88.76W±0.06, h40km, n447, ±19/1450, mb4.5/110, Off coast of central America

Table with columns: Code, Station Name, Az, El, SNR, P, M, D, Az, El, SNR, P, M, D. Rows include stations like CSGN Cosiguina Volc, ESTN Estel, APG El Apazote, etc.

Table with columns: ID, Name, Az, El, SNR, P, M, D, Az, El, SNR, P, M, D. Rows include stations like 435B Jarrell, 145A Houston Renfro, 146A Union, etc.

W47A Westpoint baz=186 22.89 2 P	08 21 19.1 -0.7	WCI Wyandotte Cave 13nm,0.7s 25.93 4 eP	08 21 47.3 -0.7	K42A Prairie Point, baz=179 30.39 359 P	08 22 26.6 -1.2
W41B Gary Mavity, V 30nm,1.4s 23.01 353 eP	08 21 21.1 +0.2	WCI Wyandotte Cave baz=185 25.93 4 P	08 21 46.8 -1.2	K39A Oelwein baz=174,SNR=12 30.43 355 P	08 22 26.6 -1.5
W41B Gary Mavity, V baz=171,SNR=6.0 23.03 7 eP	08 21 20.9 0.0	R42A Luksbering baz=175 25.95 356 P	08 21 47.0 -1.2	K38A Parkersburg 17nm,0.6s 30.45 354 eP	08 22 27.1 -1.3
W50A Signal Mountai 21nm,1.3s 23.03 7 eP	08 21 20.8 -0.4	R47A Wooly Knot Far baz=185 25.98 4 P	08 21 47.2 -1.3	K38A Parkersburg baz=172,SNR=8.1 30.45 354 P	08 22 27.0 -1.3
W50A Signal Mountai baz=188 23.03 7 P	08 21 20.8 -0.4	R41A Rosebud baz=185 26.01 355 P	08 21 47.6 -1.1	JFWS Jewell Farm 2nm,0.7s 30.54 358 eP	08 22 28.6 -0.5
W51A Cleveland baz=190 23.06 8 P	08 21 21.1 -0.4	R40A Maddies Statio 11nm,0.7s 26.09 354 eP	08 21 48.6 -0.9	JFWS Jewell Farm baz=177 30.54 358 P	08 22 27.9 -1.3
W52A Murphy baz=192 23.12 10 P	08 21 21.8 -0.4	R40A Maddies Statio baz=172,SNR=9.1 26.09 354 P	08 21 48.0 -1.4	K37A Belmond baz=171,SNR=6.9 30.66 353 P	08 22 28.5 -1.7
W40A Ferguson Farm, 76nm,1.3s 23.14 351 eP	08 21 22.1 -0.2	R50A Paris baz=190 26.19 8 P	08 21 49.1 -1.3	N59A State Game Lan 12nm,1.4s 30.72 19 eP	08 22 30.5 -0.2
W40A Ferguson Farm, baz=169,SNR=11 23.14 351 P	08 21 22.1 -0.2	R38A Fenwick Farm, baz=189,SNR=11 26.20 351 P	08 21 49.1 -1.3	OGNE Ogallala 9nm,0.8s 30.84 340 eP	08 22 32.1 +0.2
HBAR Harrisburg 103nm,1.3s 23.23 356 eP	08 21 23.5 +0.3	R39A Chumby Stover baz=170,SNR=19 26.20 352 P	08 21 49.4 -1.1	OGNE Ogallala baz=154 30.84 340 P	08 22 31.0 -1.0
W39A Magazine 23nm,0.9s 23.26 350 eP	08 21 23.5 0.0	R51A Hillsboro baz=191 26.32 9 P	08 21 50.4 -1.1	WUAZ Wupatki 3.0nm,0.7s 30.88 322 eP	08 22 33.6 +1.2
W39A Magazine baz=167,SNR=10 23.26 350 P	08 21 23.1 -0.4	OLIL Olney 20nm,1.3s 26.35 1 eP	08 21 51.2 -0.6	J42A Columbus baz=179 30.92 359 P	08 22 30.8 -1.7
CPCT Cooper Cave 14nm,1.3s 23.38 9 eP	08 21 24.8 +0.2	Q45A Warren Harvey, baz=181 26.51 1 P	08 21 52.0 -1.2	J43A Natural Harves baz=181 30.98 0 P	08 22 31.5 -1.5
V48A Smith Brothers baz=185 23.42 4 P	08 21 24.8 -0.2	Q44A Meyer Farm, Va baz=179 26.51 360 P	08 21 52.1 -1.2	J41A Loganville baz=173,SNR=8.3 30.99 358 P	08 22 32.1 -1.0
V49A McMinnville baz=187 23.52 6 P	08 21 25.1 -0.9	Q47A Bedord North L baz=185 26.62 4 P	08 21 53.1 -1.2	J39A Decorah baz=174,SNR=5.9 31.05 357 P	08 22 32.0 -1.6
V42A Cord baz=174,SNR=7.9 23.64 355 P	08 21 25.2 -1.0	Q41A Truxton baz=174,SNR=6.0 26.65 356 P	08 21 53.5 -1.0	J40A Soldiers Grove baz=175,SNR=9.3 31.05 357 P	08 22 31.8 -1.8
V41A Mountainview baz=172,SNR=16 23.70 10 P	08 21 26.1 -1.7	Q48A North Vernon baz=186 26.67 5 P	08 21 53.3 -1.4	J38A Wedel Dairy, R baz=173,SNR=9.6 31.09 355 P	08 22 32.4 -1.6
TKL Tuckaleechee C 8.3nm,0.7s,baz=181, slow=11,SNR=6.9 23.70 10 eP	08 21 27.0 0.0	Q40A Laux Farm, Aux baz=173,SNR=13 26.76 354 P	08 21 54.1 -1.5	J37A Redenius Farm, baz=171,SNR=9.3 31.19 353 P	08 22 33.4 -1.4
TKL Tuckaleechee C 13nm,0.8s 23.70 10 eP	08 21 27.0 0.0	Q49A Auron baz=188 26.83 7 P	08 21 54.6 -1.6	SMCO Snowmass 2.6nm,0.8s 31.28 332 eP	08 22 36.5 +0.3
V40A Witts Springs 23.70 352 eP	08 21 27.6 -0.2	Q39A Willow Grove F baz=171,SNR=8.5 26.91 353 P	08 21 55.6 -1.3	J36A Seneca 1, Swea 6.4nm,0.8s 31.31 352 eP	08 22 34.2 -1.7
V40A Witts Springs baz=170,SNR=9.0 23.70 352 P	08 21 27.5 -0.2	Q38A Cocle Store, C baz=169,SNR=6.6 26.92 352 P	08 21 55.8 -1.2	J36A Seneca 1, Swea baz=169 31.31 352 P	08 22 34.2 -1.7
STVI Saint Thomas 30nm,1.2s 23.72 72 eP	08 21 27.8 -0.3	Q37A Longview Farm, baz=168 26.96 350 P	08 21 55.9 -1.5	PV03 Paradox Valley 31.46 329 eP	08 22 37.8 +0.3
KMSC Kings Mountain baz=198 23.73 15 P	08 21 27.8 -0.2	Q51A Peebles baz=192 27.06 9 P	08 21 57.3 -0.9	PV12 Saucer Basin, 5.4nm,0.7s 31.48 329 eP	08 22 38.3 +0.5
V51A Loudon baz=191 23.75 9 P	08 21 28.1 -0.1	P47A Martinsville baz=185 27.18 4 P	08 21 58.1 -1.2	PV18 Skele Mesa, Pa 9.1nm,1.3s 31.48 329 eP	08 22 38.0 +0.3
VWT Waverly baz=182 23.76 2 P	08 21 28.2 0.0	P40A Paris 15nm,0.7s 27.29 354 eP	08 21 59.2 -1.1	I43A Langenfeld Bro baz=181 31.49 1 P	08 22 35.7 -1.8
V39A Pettigrew baz=168,SNR=13 23.89 12 eP	08 21 29.1 -0.3	P40A Paris baz=173,SNR=13 27.29 354 P	08 21 58.9 -1.4	I42A Draeger Farm, 7.8nm,0.9s 31.49 360 P	08 22 36.0 -1.5
V53A Saluda 10nm,0.8s 23.89 12 P	08 21 29.4 +0.2	P39B Salisbury baz=177 27.32 353 P	08 21 59.3 -1.2	I42A Draeger Farm, baz=180 31.49 360 P	08 22 36.1 -1.5
V53A Saluda baz=194 23.89 12 P	08 21 29.4 +0.2	P41A Barry, Barry baz=175 27.36 356 P	08 21 59.8 -1.1	PV11 David Mesa, Pa 4.1nm,0.7s 31.51 329 eP	08 22 38.8 +0.9
V52A Sevierville baz=192 23.91 10 P	08 21 29.8 +0.1	P51A Williamsport baz=192 27.55 10 P	08 22 01.8 -0.8	I40A Norwalk baz=176 31.54 357 P	08 22 36.4 -1.5
U46A Springville baz=181,SNR=10 23.98 1 P	08 21 29.2 -1.1	P38A Dawn 12nm,1.2s 27.56 352 eP	08 22 01.8 -0.8	PV16 Nyswonger Mesa 3.8nm,0.6s 31.54 329 eP	08 22 38.8 +0.5
U43A Rector baz=176 24.03 357 P	08 21 29.5 -1.2	P38A Dawn baz=170 27.56 352 P	08 22 01.5 -1.1	I39A Houston 16nm,0.6s 31.55 356 P	08 22 36.3 -1.8
U42A Revenden baz=174,SNR=7.6 24.07 355 P	08 21 29.9 -1.2	KSU1 Kansas State U 15nm,0.8s 27.60 347 eP	08 22 02.0 -1.2	I39A Houston baz=175,SNR=6.4 31.58 358 eP	08 22 36.3 -1.8
U47A Clarksville baz=183,SNR=6.8 24.09 3 P	08 21 29.8 -1.5	KSU1 Kansas State U baz=163 27.60 347 P	08 22 01.9 -1.2	I41A Arkdale 18nm,0.6s 31.68 358 eP	08 22 38.0 -1.2
U41A Viola baz=172,SNR=7.4 24.12 354 P	08 21 30.4 -1.3	P37A Lathrop baz=168 27.64 351 P	08 22 02.1 -1.3	I41A Arkdale baz=178,SNR=8.1 31.68 358 P	08 22 37.5 -1.6
WMOK Wichita Mounta 11nm,1.0s 24.14 339 eP	08 21 30.9 +0.9	TASL Snake Pit, Alb baz=140 27.69 327 P	08 22 04.3 +0.1	I38A Arden, Waseca baz=173,SNR=12 31.79 355 P	08 22 38.6 -1.6
WMOK Wichita Mounta baz=155,SNR=9.2 24.14 339 P	08 21 30.9 -0.9	ANMO Albuquerque 0.6nm,0.5s,baz=114, slow=12,SNR=5.1 27.69 327 P	08 22 05.0 +0.8	I37A Lemond, Waseca 29nm,1.0s 31.79 355 P	08 22 39.5 -1.4
U48A Cassie Pea, Po baz=185 24.20 4 P	08 21 31.3 -1.1	TASM ASL Pad, Albuq baz=140 27.69 327 P	08 22 04.2 +0.1	I36A Fitzsimmons Fa baz=170 31.94 353 P	08 22 39.4 -1.4
U40A Yellville baz=170,SNR=23 24.25 352 P	08 21 32.9 +0.1	O44A Mansfield baz=180 27.76 0 P	08 22 03.2 -1.3	ECSO EROS Data Cent 7.2nm,0.6s 32.06 349 eP	08 22 40.7 -1.8
U49A Red Boiling Sp baz=187 24.27 6 P	08 21 32.4 -0.6	O41A Passleys Farm, baz=176 27.78 356 P	08 22 03.3 -1.4	H42A Shiocton baz=180 32.11 0 P	08 22 41.0 -2.0
U50A Jamestown baz=180 24.28 8 P	08 21 32.7 -0.4	O40A La Belle baz=173,SNR=5.7 27.86 55 P	08 22 03.3 -1.4	H40A Chili baz=177,SNR=6.4 32.25 358 P	08 22 42.6 -1.6
PARMO Parma 33nm,0.7s 24.29 358 eP	08 21 33.6 +0.5	P52A Corning baz=194 27.85 11 P	08 22 04.1 -1.3	H39A Augusta baz=175 32.35 357 P	08 22 43.6 -1.5
HHAR Hobbs 26nm,0.7s 24.35 350 eP	08 21 32.9 -0.8	O45A Potomac baz=182,SNR=5.9 27.87 2 P	08 22 04.0 -1.5	H37A Dierke Farm, C baz=171 32.38 354 P	08 22 43.9 -1.4
TUL1 Leonard 19nm,0.9s 24.37 346 eP	08 21 33.0 -0.9	O47A Sheridan baz=185 27.93 4 P	08 22 04.0 -2.0	PHWY Pilot Hill 4.7nm,0.9s 32.40 336 eP	08 22 45.7 -0.2
TUL1 Leonard baz=163,SNR=9.0 24.37 346 P	08 21 32.6 -1.3	O38A Galt baz=170 28.04 352 P	08 22 05.5 -1.5	H38A Maiden Rock baz=174,SNR=7.2 32.42 355 P	08 22 43.9 -1.7
U39A Green Forest baz=169,SNR=14 24.37 351 P	08 21 33.5 -0.4	O39A Kirkville baz=172 28.06 354 P	08 22 06.0 -1.1	H36A Jessenland, He baz=170,SNR=6.8 32.48 353 P	08 22 45.2 -1.0
PBMO Poplar Bluff 12nm,0.8s 24.43 357 eP	08 21 33.8 -0.7	O50A Cable baz=191,SNR=5.4 28.12 8 P	08 22 06.3 -1.4	MONP2 Monument Peak baz=123 32.59 313 P	08 22 48.6 +1.1
GD2L Guadalupe Moun 24.47 327 eP	08 21 37.4 +2.4	CBKS Cedar Bluff 15nm,0.8s 28.17 342 eP	08 22 08.0 -0.2	O20A White River Ci 32.63 332 eP	08 22 48.0 +0.1
U53A Fall Branch 24.61 12 P	08 21 35.4 -0.8	CBKS Cedar Bluff baz=157 28.17 342 P	08 22 07.4 -0.9	O20A White River Ci baz=143,SNR=6.8 32.63 332 P	08 22 47.8 0.0
T45A Paducah 26nm,0.6s 24.63 0 eP	08 21 36.0 -0.2	O37A Wolven Farm, M baz=189 28.18 351 P	08 22 06.8 -1.4	H35A Sunnyside Ranc baz=169,SNR=7.2 32.72 352 P	08 22 46.5 -1.8
T47A Sharon Grove 21nm,0.6s 24.64 3 eP	08 21 35.3 -1.0	OC50 Alum Creek Sta baz=192 28.30 9 P	08 22 08.5 -0.7	G41A Antioch baz=179 32.82 359 P	08 22 47.3 -1.9
T47A Sharon Grove baz=184,SNR=12 24.64 3 P	08 21 35.0 -1.4	N42A Yates City baz=184 28.45 358 P	08 22 09.9 -0.8	G42A Mountain 6.1nm,0.6s 32.84 0 eP	08 22 47.6 -1.8
MNTX Cornudas Mount 4.9nm,0.8s 24.65 324 eP	08 21 36.0 -0.6	N46A Monticello baz=184 28.55 3 P	08 22 10.4 -1.2	G42A Mountain baz=180 32.84 0 P	08 22 47.4 -2.0
MNTX Cornudas Mount baz=138,SNR=7.7 24.65 324 P	08 21 35.6 -0.9	N40A Mertquake, Sal baz=172 28.60 356 P	08 22 10.8 -1.1	G43A Wallace 20nm,1.4s 32.87 1 eP	08 22 47.4 -2.2
T46A Princeton baz=182 24.66 2 P	08 21 35.3 -1.2	N38A Joes South For baz=171 28.67 353 P	08 22 11.1 -1.5	G38A Ridgeland baz=174,SNR=6.7 32.88 356 P	08 22 47.6 -2.0
T42A Van Buren 9.6nm,0.8s 24.73 356 eP	08 21 36.1 -1.0	N39A Derby Farms, D 17nm,0.7s 28.67 354 eP	08 22 11.2 -1.3	G39A Holcombe baz=171,SNR=11 32.95 357 P	08 22 47.8 -1.8
T42A Van Buren baz=174 24.73 356 P	08 21 36.0 -1.2	N37A Lee Faris, Mou 10nm,0.6s 28.77 351 eP	08 22 11.3 -1.3	SPMN Marine on St. 43nm,0.6s 33.01 355 P	08 22 48.6 -1.7
T43A Greenville baz=176,SNR=7.7 24.73 357 P	08 21 36.2 -1.0	N37A Lee Faris, Mou baz=189 28.77 351 P	08 22 12.0 -1.4	SPMN Marine on St. baz=173,SNR=19 33.01 355 P	08 22 49.2 -1.6
T41A Mountain View baz=173,SNR=9.6 24.80 354 P	08 21 36.8 -1.0	N50A Nevada baz=191 28.80 9 P	08 22 12.2 -1.5	SAML Mount Pierson 4.7nm,0.8s 33.09 325 eP	08 22 52.0 +0.7
T49A Edmonton 5.5nm,0.7s 24.88 6 eP	08 21 37.8 -0.8	N36A Muff Farm, Cla baz=167 28.94 350 P	08 22 13.6 -1.4	MTPU Mount Pierson 1.9nm,0.9s 33.22 347 P	08 22 53.7 +1.6
T49A Edmonton baz=187 24.88 6 P	08 21 37.6 -0.9	M41A Milan baz=176 29.02 357 P	08 22 14.8 -0.9	SUSD Miller baz=162,SNR=5.8 33.24 347 P	08 22 51.1 -1.6
T39A Clever baz=169,SNR=31 24.98 351 P	08 21 38.6 -0.8	M43A Waltham Townsh baz=182 29.04 360 P	08 22 14.9 -1.0	F41A Three Lakes baz=179 33.32 360 P	08 22 51.5 -2.3
T40A Mansfield baz=171,SNR=22 24.99 353 P	08 21 38.8 -0.7	M40A Post Highland baz=174,SNR=5.4 29.24 355 P	08 22 15.0 -1.4	P17A Butcher Ranch, 3.7nm,0.8s 33.35 328 eP	08 22 54.4 +0.4
MSTX Muleshoe 25.09 332 eP	08 21 39.9 -0.7	M39A Webster baz=173,SNR=8.8 29.24 355 P	08 22 15.5 -1.1	SADO Sadowa 3.4nm,0.4s,baz=209, slow=7.5,SNR=6.2 33.40 12 P	08 22 51.5 -2.7
MSTX Muleshoe baz=146,SNR=15 25.09 332 P	08 21 39.3 -1.2	M38A Pleasantville baz=171,SNR=6.2 29.28 353 P	08 22 16.6 -1.4	SADO Sadowa 3.8nm,1.4s 33.40 12 eP	08 22 53.4 -0.8
T38A Diamond baz=167,SNR=7.8 25.21 358 P	08 21 40.6 -0.8	M37A Trindle Farm, baz=169 29.38 352 P	08 22 17.7 -1.1	F43A Flat Rock, Esc baz=183 33.46 2 P	08 22 52.2 -2.5
S43A Fulton Ridge, baz=177 25.21 358 P	08 21 40.6 -0.8	M36A Felix, Anita baz=188,SNR=11 29.54 351 P	08 22 18.8 -1.5	F37A Hinrichs Farm, baz=177,SNR=5.2 33.49 355 P	08 22 53.3 -1.7
S47A Hartford baz=184 25.26 3 P	08 21 40.6 -1.3	N54A Moraine State 8.9nm,1.1s 29.59 14 eP	08 22 20.3 -0.5	F40A Post Falls baz=178,SNR=6.5 33.54 358 P	08 22 53.5 -1.9
S44A Carbonado baz=179 25.31 359 P	08 21 41.4 -1.0	L41A Preston baz=176,SNR=5.4 29.72 357 P	08 22 20.1 -1.7	F39A Loretta baz=176 33.57 357 P	08 22 53.8 -1.9
S46A Don Dixon Farm baz=182 25.31 2 P	08 21 41.5 -0.9	L47A Sherwood baz=187 29.74 5 P	08 22 20.4 -1.7	F44A Big Bay de Noc baz=184 33.63 3 P	08 22 54.0 -2.2
S41A Jillico Farms, baz=173,SNR=9.2 25.34 354 P	08 21 41.5 -1.1	L40A Anamosa 12nm,0.7s 29.74 356 eP	08 22 20.9 -1.2	F38A Pierce - Schro baz=174,SNR=15 33.67 356 P	08 22 54.8 -1.7
AMTX Amarillo 33nm,1.0s 25.37 335 eP	08 21 43.2 0.0	L40A Anamosa baz=175,SNR=6.2 29.77 353 eP	08 22 20.7 -1.4	BBRC Big Bear Solar baz=182 33.68 315 P	08 22 55.0 -2.1
AMTX Amarillo baz=149 25.37 335 P	08 21 42.3 -0.9	SCIA State Center 12nm,0.5s 29.77 353 P	08 22 21.8 -0.6	COWI Conover 20nm,1.4s 33.70 360 eP	08 22 55.2 -1.6
S40A Lebanon baz=171,SNR=15 25.43 353 P	08 21 42.6 -0.9	L39A Vinton baz=174,SNR=5.1 29.86 355 P	08 22 20.9 -1.4	E43A Lone Tree Farm 26nm,1.5s 34.01 2 eP	08 22 57.6 -1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LONY Lake Ozonia, EDW2 Edwards Air Fo, TPNV Topopah Spring, LPAZ La Paz, R11A Troy Canyon, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KMSI Cibinong, MRSI Marisa, MRSI Ampana, etc.

IDC 27 08:51:34.7,360.0,5071N-113.55E, h0km, Error ellipse: s-maj=159.4km s-min=109.3km az=47.0, Tuva-Buryatia-Mongolia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like I34MN SONGINO INFRAS, I45RU USSURYSK INFR, I46RU ZALESOVO INFR, etc.

RSNC 27 08:55:47.8,0.9,679N-73.15W, h149km,4km,ML3.2, Mw3.6,1D,Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BARC Barichara, GIRC Giron, GIRC Barranca, etc.

NNC 27 08:59:10.5,2.5,54.16N,87.40E, h0km, mb3.5, mpv3.2, 9C-5D, Error ellipse: s-maj=18.9km s-min=18.9km az=30.0, Suspected Mining explosion, Southwestern Siberia

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

IDC 27 08:21:46.5,1.9,32.13S,178.32W, h308km,14km, mb3.4/4,mb1 3.6/5,mb1mx3.2/46,mbtmp4.1/5, Error ellipse: s-maj=40.9km s-min=21.1km az=145.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PSI 424nm,0.3s,baz=0.0,slow=20,SNR=114, TSI Tuntungan, TSI Mandailing Nat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LHHM Lhok Sumawe, PDSI Padang, SDSI Sungai Dareh, etc.

KRAB Krabi 635nm,1.0s,6jm,2.2nm, 5.81 2 P Pn 09 02 46.8 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LHSI Lahat, MNAI Manna, MNAI Pangkal Pinang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PATY Pattaya, SRDT Srdt, SRAK Srakaew, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LEM Lembang, STKI Sintang, UTHA Uthaitani, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SBUM Sibul, PKBI Pangkajene, UMPA Umpang Tak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHAI Chaiyaphum, KPJI Khatong, PBKT Sadao Pong, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UNBT Khong Chiam, UBHON Khomkaen, SMRI Semarang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUKH Sukhothai, SKNT Sakolnakhon, PANO Nankornpanom, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMG1 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LAMP Lampang, NONG Nongkai, MTKI Muara Tewa, etc.

BUI 27 09:01:18.6,2.03N,99.07E, h151km, mb4.9/44,mb5.1/28, MOS 27 09:01:22.1,1.0,2.46N,99.09E, h156km, mb5.2/54, Error ellipse: s-maj=9.9km s-min=4.2km az=115.9, ISCJB 27 09:01:22.1,0.2,2.37N,102.89E,0.0, h2, h156km,1km, mb5.0/177, Error ellipse: s-maj=3.6km s-min=2.3km az=140.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NEIC 27 09:01:23.1,0.3,2.42N,99.08E, h147km,2km, mb4.6/58, DJA 27 09:01:23.8,0.1,2.1N,102.99E, h136km,2km, mb5.0/48, ISC 27 09:01:22.7,0.3,2.38N,103.03E, h151km,2km, mb5.0/177, Error ellipse: s-maj=3.6km s-min=2.3km az=140.4

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

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SPSI Sidrap Palu, PLAI Plampang, BELO BELONIA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like GTA comp=Z,520nm,19.2s, GTA comp=Z,460nm,19.9s, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SONM Songio Array, SONM comp=Z,9.2nm,0.6s, etc.

27d 9h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like GYA0B ALIBECK ARRAY, HTT Hallett, QLP Quiptide, ZAA0 Zalesovo Array, etc.

2012 AUG

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DDEM Demirkent, DBAD Bademkaya, BNGB Bing'li, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MAW Mawson, MAW Mawson, TLCR Tigrusor, etc.

KRUC			e	09 14 10.0	
DPC	Dobruska-Polom	83.51 320	eP	09 13 34.5 +0.7	
DPC	Dobruska-Polom	83.51 320	eP	09 13 34.5 +0.7	
UDBI	Udubina	83.52 314	eP	09 13 34.1 +0.1	
KSP	Ksiaz	83.56 321	eP	09 13 35.3 +1.3	
KSP	Ksiaz	83.56 321	eP	09 13 35.3 +1.3	
KSP	Ksiaz	83.56 321	eP	09 14 11.8 +0.1	
KSP	Ksiaz	83.56 321	eP	09 13 35.0 +0.4	
CONA	Conrad Observa	83.65 318	eP	09 14 12.0 -0.4	
CONA	comp=Z,9.7nm,1.3s		eP	09 14 12.0 -0.4	
ARSA	Arzberg	83.84 317	eP	09 13 36.1 +0.6	
ARSA	comp=Z,9.2nm,1.1s,SNR=5.2		eP	09 14 13.5 +0.2	
BOJS	Bojanci	83.94 315	eP	09 13 36.6 +0.6	
BOJS	Bojanci	83.94 315	eP	09 14 13.8 0.0	
PERS	Pernice	84.09 316	eP	09 13 37.2 +0.4	
PERS	Pernice	84.09 316	eP	09 14 13.9 -0.7	
SOKA	Soboth	84.14 317	eP	09 13 37.8 +0.7	
SOKA	comp=Z,20nm,1.2s,SNR=9.2		eP	09 14 14.8 -0.2	
NVLJ	Novaja	84.16 314	eP	09 13 36.6 -0.5	
VISS	Visnje	84.24 316	eP	09 13 38.0 +0.5	
VISS	Visnje	84.24 316	eP	09 14 15.3 0.0	
GOPP	GO Pecny, Ondr	84.47 320	eP	09 13 39.5 +0.9	
GOPP	GO Pecny, Ondr	84.47 320	eP	09 13 39.5 +0.9	
OBKA	Obir	84.47 316	eP	09 13 38.3 +0.0	
OBKA	comp=Z,0.2nm,0.3s		eP	09 14 16.6 -0.1	
MOA	Molin	84.72 318	eP	09 13 40.4 +0.5	
MOA	comp=Z,10nm,1.2s		eP	09 14 17.7 -0.1	
JAVS	Javornik	84.78 316	eP	09 13 40.3 -0.1	
JAVS	Javornik	84.78 316	eP	09 14 17.4 -0.8	
BRG	Berggiesshubel	85.05 321	eP	09 13 42.0 +0.5	
BRG	comp=Z,23nm,1.4s		eP	09 14 19.6 +0.2	
BRG	Berggiesshubel	85.05 321	eP	09 13 42.0 +0.5	
BRG	Berggiesshubel	85.05 321	eP	09 13 42.0 +0.5	
BRG	comp=Z,2.38nm,1.4s		eP	09 13 42.0 +0.5	
MYKA	Terra Mystica	85.10 316	eP	09 13 42.3 +0.3	
MYKA	comp=Z,1.3nm,0.3s		eP	09 14 19.4 -0.4	
GEAO	GERESS Array S	85.13 319	eP	09 13 42.4 +0.3	
GEAO	comp=Z,4.2nm,1.4s		eP	09 14 19.4 -0.5	
GEAO	GERESS Array S	85.13 319	eP	09 13 42.9 +0.8	
GEAO	comp=Z,4.2nm,1.4s		eP	09 13 42.9 +0.8	
GERES	GERESS Array B	85.13 319	eP	09 13 42.2 +0.2	
GERES	comp=Z,3.0nm,0.4s,baz=101,slow=7.2,SNR=24		eP	09 14 19.4 -0.6	
KBA	Koelnbreinsper	85.32 317	eP	09 14 20.5 -0.5	
KBA	comp=Z,7.2nm,1.0s,baz=352,slow=2.7,SNR=5.7		eP	09 13 44.7 +0.6	
HFS	Hagfors	85.61 330	eP	09 13 44.7 +0.6	
HFS	comp=Z,16nm,0.4s,baz=132,slow=4.2,SNR=126		eP	09 13 42.2 +0.2	
CLL	Collim	85.66 321	eP	09 13 45.0 +0.5	
CLL	comp=Z,4.6nm,0.7s,baz=123,slow=11,SNR=2.3		eP	09 14 22.4 0.0	
CLL	Collim	85.66 321	eP	09 14 22.4 0.0	
CLL	comp=Z,9.0nm,1.0s		eP	09 14 21.9 -1.8	
ABTA	Abfattersbach	85.88 317	eP	09 13 46.2 -0.3	
ABTA	comp=Z,1.9nm,1.2s		eP	09 13 48.3 -0.6	
SPITS	Spitsbergen Ar	86.18 348	eP	09 13 48.3 -0.6	
SPITS	comp=Z,4.2nm,0.5s,baz=115,slow=12,SNR=12		eP	09 14 26.7 -0.1	
WTTA	Wattenberg	86.49 317	eP	09 13 49.2 +0.2	
WTTA	comp=Z,1.1nm,0.9s		eP	09 14 25.2 -1.8	
WATA	Walderalm	86.53 317	eP	09 13 49.9 +1.0	
WATA	comp=Z,3.8nm,0.5s		eP	09 13 49.3 +0.6	
NV401	NORSAR Array S	86.58 331	eP	09 13 49.9 +1.0	
NV401	comp=Z,1.6nm,0.7s,baz=324,slow=6.3,SNR=7.8		eP	09 13 49.6 +1.0	
VNDA	Vanda	86.61 169	eP	09 13 49.6 +1.0	
VNDA	comp=Z,19nm,1.6s		eP	09 13 49.6 +1.0	
NV401	NORSAR Array S	86.62 331	eP	09 13 49.5 +0.5	
NV401	comp=Z,1.6nm,0.7s,baz=324,slow=6.3,SNR=7.8		eP	09 13 49.6 +1.0	
NV401	NORSAR Array S	86.70 331	eP	09 13 49.6 +0.0	
NV401	comp=Z,1.6nm,0.7s,baz=324,slow=6.3,SNR=7.8		eP	09 13 50.2 +0.5	
NV401	NORSAR Array S	86.71 331	eP	09 13 50.2 +0.5	
NV401	comp=Z,1.6nm,0.7s,baz=324,slow=6.3,SNR=7.8		eP	09 13 50.3 +0.4	
NV401	NORSAR Array S	86.85 317	eP	09 13 50.7 0.0	
NV401	comp=Z,2.7nm,0.4s		eP	09 14 28.0 -0.6	
NB2	NORSAR Subara	86.87 331	eP	09 13 50.2 0.0	
NB2	comp=Z,2.1nm,0.5s,baz=100,slow=5.3		eP	09 17 16.1 +1.2	
NB200	NORSAR Array S	86.87 331	eP	09 13 50.5 +0.2	
NB200	comp=Z,5.0nm,0.9s,baz=98,slow=5.6,SNR=13		eP	09 14 28.5 +0.2	
NOA	NORSAR Array B	86.87 331	eP	09 17 16.1 +1.2	
NOA	comp=Z,3.3nm,0.9s,baz=95,slow=5.0,SNR=3.4		eP	09 13 55.3 +0.7	
NOA	comp=Z,1.9nm,1.5s,SNR=5.1		eP	09 13 51.6 +0.6	
NC201	NORSAR Array S	87.02 331	eP	09 13 51.9 +0.8	
NC200	NORSAR Array S	87.05 331	eP	09 13 51.7 +0.6	
NC203	NORSAR Array S	87.06 331	eP	09 13 51.6 -0.1	
RETA	Reutte	87.08 317	eP	09 14 29.2 -0.5	
RETA	comp=Z,8.5nm,0.5s		eP	09 13 52.4 +1.1	
NC204	NORSAR Array S	87.09 331	eP	09 13 50.3 -1.6	
FETA	Feichtner	87.11 317	eP	09 14 29.0 -0.9	
FETA	comp=Z,6.6nm,1.2s		eP	09 13 54.1 +0.6	
FUORN	Ofenpass-Fuorn	87.43 316	eP	09 14 31.8 +0.2	
FUORN	comp=Z,15nm,0.8s,baz=69,slow=22,SNR=9.1		eP	09 13 54.6 +0.6	
KONO	Kongsberg	87.67 329	eP	09 13 55.3 +0.7	
KONO	comp=Z,32nm,1.7s		eP	09 14 31.9 -0.8	
DAVA	Damuels	87.68 317	eP	09 13 55.5 +0.8	
DAVA	comp=Z,19nm,1.2s,SNR=7.3		eP	09 14 32.7 -0.1	
DAVOX	Davos/Dischmat	87.69 317	eP	09 13 55.3 +1.4	
DAVOX	comp=Z,1.1nm,0.4s,baz=138,slow=2.2,SNR=16		eP	09 13 55.3 +1.4	
SBA	Scott Base	87.71 169	eP	09 13 57.7 +0.5	
SBA	comp=Z,10nm,1.0s		eP	09 14 37.7 +0.3	
SBA	Scott Base	87.71 169	eP	09 13 57.7 +0.5	
SBA	comp=Z,10nm,1.0s		eP	09 14 37.7 +0.3	
KEST	Kesra	88.36 306	eP	09 13 59.3 +1.3	
KEST	comp=Z,15nm,0.8s,baz=69,slow=22,SNR=9.1		eP	09 14 37.7 +0.3	
BFO	Black Forest	88.70 318	eP	09 14 37.7 +0.3	
BFO	comp=Z,1.6nm,1.0s,baz=281,slow=1.6,SNR=5.7		eP	09 14 37.7 +0.3	
BFO	Black Forest	88.70 318	eP	09 14 37.7 +0.3	
BFO	comp=Z,1.7nm,1.2s		eP	09 14 03.6 +0.5	
SENIN	Lac Senin/Sane	89.48 316	eP	09 14 42.1 +0.7	
SENIN	comp=Z,15nm,0.8s,baz=69,slow=22,SNR=9.1		eP	09 14 41.6 +0.5	
ECH	Echery	89.48 318	eP	09 14 03.9 +1.0	
ECH	comp=Z,1.6nm,1.0s,baz=281,slow=1.6,SNR=5.7		eP	09 14 03.9 +1.0	
ECH	Echery	89.48 318	eP	09 14 03.9 +1.0	
ECH	comp=Z,1.7nm,1.2s		eP	09 14 07.7 +2.2	
WLF	Walferdange	90.06 320	eP	09 14 44.6 +0.9	
WLF	Walferdange	90.06 320	eP	09 14 06.9 +1.4	

WLF	Walferdange	90.06 320	eP	09 14 45.2 +1.5	
WLF	Walferdange	90.06 320	eP	09 14 06.9 +1.4	
MEM	Membar	90.09 320	eP	09 14 45.2 +1.5	
MEM	comp=Z,2.7nm,0.9s,baz=330,slow=7.5,SNR=10		eP	09 14 06.0 +0.4	
BCLA	Clavier	90.56 320	eP	09 14 46.5 +0.5	
BCLA	comp=Z,1.0nm,0.6s,baz=98,slow=5.1,SNR=2.6		eP	09 14 46.5 +0.5	
DOU	Douarzes	91.04 320	eP	09 14 48.4 +0.2	
SNF	Seneffe	91.20 320	eP	09 14 49.7 +0.7	
NVL	N'lazarevskaya	91.29 199	eP	09 14 08.0 -2.7	
NVL	comp=Z,5.0nm,0.6s		eP	09 14 17.8 +1.1	
TAM	Tamanrasset	92.31 293	eP	09 14 17.8 +1.1	
TAM	comp=Z,8.7nm,1.0s		eP	09 14 17.8 +1.1	
TAM	Tamanrasset	92.31 293	eP	09 14 17.8 +1.1	
TAM	comp=Z,9.0nm,1.0s		eP	09 14 16.8 +1.1	
QSPA	South Pole Qui	92.31 180	eP	09 14 16.8 +1.1	
QSPA	comp=Z,2.7nm,0.9s,baz=330,slow=7.5,SNR=10		eP	09 14 27.6 +0.6	
IMA	Indian Mountai	94.80 23	eP	09 14 27.6 +0.6	
IMA	comp=Z,1.0nm,0.6s,baz=98,slow=5.1,SNR=2.6		eP	09 15 06.4 +0.1	
EKA	Ekskaleimur Ar	94.97 326	eP	09 15 06.4 +0.1	
EKA	comp=Z,1.1nm,0.5s,baz=328,slow=14,SNR=3.4		eP	09 14 36.4 +0.2	
TOAD	Torodi Ar. Sit	96.58 283	eP	09 14 35.9 -0.3	
TOAD	comp=Z,0.6nm,0.6s,baz=67,slow=5.8,SNR=10.0		eP	09 15 13.9 -0.7	
TORD	Torodi Ar. Sit	96.59 283	eP	09 15 13.9 -0.7	
TORD	comp=Z,1.0nm,1.1s,baz=123,slow=7.3,SNR=3.0		eP	09 14 35.9 -0.3	
TOA1	Torodi Ar. Sit	96.59 283	eP	09 15 13.9 -0.7	
TOA1	comp=Z,0.2nm,0.3s,baz=110,slow=1.9,SNR=3.1		eP	09 15 22.5 -0.1	
ESDC	Sonessa Array	98.45 311	eP	09 19 53.1 +1.0	
ESDC	comp=Z,0.3nm,0.4s,baz=83,slow=4.6,SNR=1.5		eP	09 19 57.7 +1.4	
B05A	Bryant	118.19 30	eP	09 19 58.2 +1.4	
B05A	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 19 58.2 +1.4	
H04D	Lebanon	120.30 33	eP	09 19 57.5 +0.7	
H04D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 19 59.8 +1.0	
J01D	Myrtle Point	120.47 35	eP	09 20 00.2 +0.5	
J01D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 00.5 +0.7	
J03D	Drain, OR	120.40 35	eP	09 20 00.5 +0.7	
J03D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 06.6 +0.6	
NEW	Newport	120.57 27	eP	09 20 06.6 +0.6	
NEW	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 01.8 +1.0	
I05D	Terrebonne, OR	121.18 33	eP	09 20 01.8 +1.0	
I05D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 02.0 +0.5	
J04D	Umpqua Nationa	121.46 34	eP	09 20 00.5 +0.7	
J04D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 06.6 +0.6	
J05D	Fort Rock, OR	121.92 34	eP	09 20 01.8 +1.0	
J05D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 01.8 +1.0	
L04D	Klamath Falls	122.00 35	eP	09 20 01.8 +1.0	
L04D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 06.6 +0.6	
F10A	Beach Ranch, E	122.19 29	eP	09 20 01.8 +1.0	
F10A	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 01.8 +1.0	
M02C	Callahan	122.19 29	eP	09 20 01.8 +1.0	
M02C	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 02.0 +1.1	
M04C	Macdoel	122.54 35	eP	09 20 02.0 +1.1	
M04C	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 02.9 +1.2	
O02D	Mt. Diablo Mer	122.97 37	eP	09 20 02.9 +1.2	
O02D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 01.8 +1.0	
M0S0	Milsoota	123.08 26	eP	09 20 01.8 +1.0	
M0S0	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 03.6 +1.1	
MOD	Modoc Plateau	123.34 34	eP	09 20 03.6 +1.1	
MOD	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 03.8 +1.4	
J08A	Circle Bar Ran	123.37 32	eP	09 20 03.8 +1.4	
J08A	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 04.0 +0.8	
O03D	Paynes Creek	123.50 37	eP	09 20 04.0 +0.8	
O03D	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 06.3 +1.2	
EGMT	Eagleton	123.88 23	eP	09 20 06.3 +1.2	
EGMT	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 07.0 +1.4	
DLMT	Dillon	124.80 27	eP	09 20 07.0 +1.4	
DLMT	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 06.4 +0.8	
RF02	Forest Hills D	125.05 26	eP	09 20 07.0 +1.4	
RF02	comp=Z,1.6nm,0.8s,baz=40,slow=2.2,SNR=3.3		eP	09 20 07.0 +1.6	
BOZ	Bozeman (W)	125			

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Monticello, Livingston, Williamson, Kurthwood, Avery, Jackson, NHSC, Chaparral WMA, Flagon Creek P, Little AP, Sta, Jones, BDFB, Waverly Hall, Quitman, Vidalia, Opelika, Fort Valley, DeRidder, Westbrook Farm, Dixon Mills, Montrose, Kite, Camden, Thompson Farm, Midway, Big Creek Wild, Grady, Americus, Saraland, Repton, Villa Florida, Zaacatecas, LNI, MOIG, PTGA, PCRV, LPAZ, and another LPAZ.

RSNC 27 09:03:35.8-0.9, 7.88N-78.32W, h3km, 4km, ML3.5, Mw3.6, ID, Panama

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Meteti, Capurgana, Univ. de Panam, Bahia Solano, Azuro, Isla Barro Col, Dabeiba, San Jos de U, Monteria, Cord, Santa Helena, Zaragoza, Cauca, PUEERTO BERRIO, Ocana, La Rusia, Pamplona, Colo, and another Pamplona.

MOS 27 09:04:56.7 1.1, 12.20N, 88.26W, h10km, mb5.3/38, Error ellipse: s-maj=10.3km s-min=4.9km az=112.1
CASC 27 09:04:59.4 2.8, 11.96N, 88.63W, h54km, MD4.5, ML4.2, mb5.1 (NEIC)
ISCJB 27 09:05:00.1-0.2, 12.21N, 0.02-88.37W, 0.02, h33km, mb5.0/318, MS5.0/52, Error ellipse: s-maj=3.0km s-min=1.8km az=32.9
IDC 27 09:05:01.2-3.4, 12.27N, 88.22W, h33km, 25km, mb4.3/21, mb1.4 5/25, mb1mx4.4/51, mbtmp4.5/25, ML3.8/4, MS4.9/39, Ms1.4/9/39, ms1mx4.8/49, Error ellipse: s-maj=19.0km s-min=9.7km az=51.0
BUI 27 09:05:01.5, 12.20N, 88.30W, h25km, mb5.7/7, Ms5.6/9, Ms7.5/4/9

NEIC 27 09:05:03.9 0.5, 12.17N, 88.28W, h54km, 4km, mb5.1/299, Error ellipse: s-maj=4.1km s-min=2.8km az=216.0
ISC 27 09:04:57.0 8.8, 12.12N, 0.04-88.41W, 0.03, h6km, 4km, n1159, c1551/156, mb5.1/318, MS5.0/52, 3C, Off coast of Central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Cosiguina Volc, Cosiguina Volc, La Ca-ada, LFRS, CAHU, PAVA, CNGN, CNGN, LBRAS, SOYA, SNET, LFLN, COLS, OPAM, COEN, UUES, MOMN, APYN, XAVN, CEVE, SBLS, SNJE, MGAN, RTB, MASN, ESTN, ESTN, TGUH, MTO3, MATN, BOAB, BOAB, MESS, CUI, APG, APG, JTS, JTS, JTS, JTS, JTS, JTS, AREN, ESPN, ESPN, SRA1, CGA2, HDC, HDC, CCGI, EDLM, EDLM, PALM, ACR, CMIG, CMIG, MYIG, BCIP, BCIP, AZU, CAPC, UNM, UNM, MAYS, ODBC, UREC, PLMC, HELC, ZARC, JRGC, MOIG, YOTC, NORC, ANIL, POPAY, BRRC, SOTA, OCAC, OCAC, OTAV, MARP, 061Z, GCUF, CRUC, 059Z, ROSC, ROSC, PRAC, 060Z, 058A, 058A, LNIG, LGNH, LGNH, 957A, VILC, 958A, 060A, 959A, 857A, ZAIK, YOPC, DWPF, 858A, 858A.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like Chauvin, Port Sulphur, Kingsville, Oxford, Santo Domingo, Willston, Lake Helen, Slidell, White Castle, Lynn Haven, St. Martinville, St. Martinville, Morse, Crawfordville, Lake Charles, Perry, Interlachen, Bunnell, Pace, Lucedale, Lucedale, Poplarville, Amite, McAlpin, Pine Grove, Lake Butler, Crestview, Bay Minette, Delano Plantat, Orange Park, Mamou, Marianna, BRAL, BRAL, Whigham, Hockley, Hockley, DeRidder, Chaparral WMA, Chaparral WMA, Thompson Farm, Repton, Stateville, Sarand, Big Creek Wild, Jackson, Pinckard, Dozier, Westbrock Farm, Westbrock Farm, Hilliard, Yulee, Jackson Creek P, Flagon Creek P, Camilla, Blakely, Blakely, Kurthwood, Kurthwood, Tifton, Tifton, Camden, Pearson, Jackson Lee, B, Quitman, Grady, Grady, Little AP, Sta, Waterproof, Dixon Mills, Avery, Jackson, Blackshear, Lumpkin, Midway, Vicksburg, Vicksburg.

242A	Grayson	baz=174,SNR=20	20.15	351	P	Pn	09 09 34.3	-0.3
253A	Americus	baz=169,SNR=23	20.24	11	eP	Pn	09 09 35.0	-0.7
253A	Americus	comp=Z,15nm,1.7s baz=192	20.24	11	eP	Pn	09 09 35.9	+0.2
241A	Mo Tay, Golden	comp=Z,13nm,1.0s	20.24	349	eP	Pn	09 09 35.2	-0.5
241A	Mo Tay, Golden	baz=167,SNR=32	20.24	349	P	Pn	09 09 35.2	-0.5
254A	Abbeville	baz=194,SNR=6.7	20.29	13	P	P	09 09 34.7	+0.4
NATX	Nacogdoches	comp=Z,39nm,1.5s	20.38	345	P	P	09 09 36.3	+1.0
NATX	Nacogdoches	baz=162,SNR=20	20.38	345	P	P	09 09 35.8	+0.5
435B	Jarrell	comp=Z,130nm,0.8s	20.43	337	eP	P	09 09 35.2	-0.6
435B	Jarrell	baz=153,SNR=23	20.43	337	P	P	09 09 35.0	-0.8
240A	Hunter Patters	comp=Z,132nm,1.0s	20.43	347	eP	Pn	09 09 37.9	-0.1
240A	Hunter Patters	baz=165	20.43	347	P	P	09 09 35.8	-0.1
146A	Union	comp=Z,237nm,1.0s	20.43	358	eP	Pn	09 09 37.3	-0.7
146A	Union	baz=178,SNR=25	20.43	358	P	P	09 09 36.7	+0.8
145A	Houston Renfro	baz=176,SNR=15	20.44	356	P	Pn	09 09 37.2	-0.8
149A	Jones	baz=184,SNR=29	20.44	4	P	P	09 09 36.6	+0.7
148A	Greensboro	baz=182,SNR=23	20.45	2	P	P	09 09 37.0	+1.0
255A	Hazlehurst	comp=Z,64nm,1.9s	20.46	15	eP	Pn	09 09 37.5	-0.8
255A	Hazlehurst	baz=196,SNR=7.5	20.46	15	P	P	09 09 37.1	+1.0
147A	Livingston	comp=Z,135nm,1.4s	20.46	0	eP	Pn	09 09 37.6	-0.7
147A	Livingston	baz=180,SNR=12	20.46	0	P	P	09 09 37.2	+1.1
144A	Alexander Plac	baz=174	20.50	355	P	P	09 09 37.2	+0.6
151A	Opelika	baz=188,SNR=41	20.51	7	P	P	09 09 37.7	+1.0
150A	Eclectic	baz=186,SNR=30	20.51	6	P	Pn	09 09 38.1	-0.8
142A	Monroe	baz=170,SNR=6.0	20.60	351	P	P	09 09 38.4	+0.8
256A	Glennville	baz=198,SNR=6.6	20.66	16	P	P	09 09 39.1	+0.8
143A	Socs Landing	comp=Z,187nm,1.0s	20.68	353	eP	P	09 09 39.5	+1.1
143A	Socs Landing	baz=171,SNR=11	20.68	353	P	P	09 09 39.1	+0.7
152A	Waverly Hall	comp=Z,135nm,1.1s	20.73	9	eP	P	09 09 40.2	+1.1
152A	Waverly Hall	baz=190,SNR=23	20.73	9	P	P	09 09 40.2	+1.1
141A	Papa Simpson	baz=167,SNR=6.3	20.81	349	P	P	09 09 41.1	+1.2
LRAL	Lakeview Retre	comp=Z,102nm,1.1s	20.86	3	eP	Pn	09 09 42.6	-0.3
LRAL	Lakeview Retre	baz=164,SNR=30	20.86	3	P	Pn	09 09 42.2	-0.8
153A	Fort Valley	baz=192	20.87	11	P	P	09 09 41.0	+0.4
150A	Cam and Jess	comp=Z,138nm,0.8s	20.97	348	eP	P	09 09 43.0	+1.3
140A	Cam and Jess	baz=166,SNR=14	20.97	348	P	P	09 09 42.6	+0.9
154A	Montrose	comp=Z,255nm,1.1s	20.97	13	eP	P	09 09 42.8	+1.1
154A	Montrose	baz=194,SNR=8.0	20.97	13	P	P	09 09 42.4	+0.7
246A	Louisville	baz=178,SNR=13	20.99	359	P	P	09 09 43.0	+1.2
247A	Carrollton	baz=181,SNR=12	20.99	1	P	P	09 09 42.7	+0.8
249A	Columbiana	baz=185,SNR=19	21.05	4	P	P	09 09 43.4	+0.9
JCT	Junction City	comp=Z,124nm,0.9s	21.11	332	eP	P	09 09 42.5	-0.7
JCT	Junction City	baz=173,SNR=23	21.11	332	eP	P	09 09 42.5	-0.7
JCT	Junction City	comp=Z,123nm,0.9s	21.11	332	P	P	09 09 42.3	-0.9
155A	Kite	baz=147,SNR=61	21.13	14	P	P	09 09 44.2	+0.9
244A	Pea Ridge, Bel	baz=196,SNR=36	21.15	355	P	P	09 09 44.3	+0.8
243A	Armstrong Fami	baz=174,SNR=10	21.16	353	P	P	09 09 43.9	+0.3
250A	Ashland	comp=Z,88nm,1.0s	21.16	6	eP	P	09 09 45.8	+2.0
250A	Ashland	baz=186,SNR=25	21.16	6	P	P	09 09 44.4	+0.6
248A	Northport	baz=182,SNR=19	21.18	2	P	P	09 09 44.2	+0.3
245A	Winona	comp=Z,147nm,1.6s	21.19	357	eP	P	09 09 46.1	+2.1
245A	Winona	baz=176,SNR=13	21.19	357	P	P	09 09 44.9	+0.9
252A	Williamson	baz=190,SNR=6.3	21.29	9	P	P	09 09 46.3	+1.2
242A	Norrel Spur, H	baz=170	21.31	352	P	P	09 09 46.1	+0.8
251A	Franklin	baz=188,SNR=13	21.31	7	P	P	09 09 46.1	+0.8
CRPR	Cabo Ro, PR	comp=Z,171nm,1.0s	21.37	72	eP	P	09 09 46.4	+0.3
CRPR	Sylvania	baz=189	21.41	16	P	P	09 09 52.3	+6.2
241A	Richland Creek	comp=Z,345nm,1.3s	21.43	350	eP	P	09 09 48.1	+1.5
241A	Richland Creek	baz=168,SNR=24	21.43	350	P	P	09 09 46.7	+0.1
WHTX	Lake Whitney	comp=Z,74nm,0.9s	21.46	339	eP	P	09 09 46.3	-0.7
WHTX	Lake Whitney	baz=155,SNR=22	21.46	339	P	P	09 09 45.9	-1.1
253A	Monticello	baz=193,SNR=38	21.53	11	P	P	09 09 47.7	+0.1
240A	Long Farm, Mag	baz=166,SNR=21	21.54	349	P	P	09 09 48.1	+0.4
ATAH	Alathuala	comp=Z,19nm,0.8s,ba baz=191,SNR=7.8	21.56	15	eP	P	09 09 49.5	+1.0
254A	Sparta	baz=163,SNR=15	21.63	13	P	P	09 09 49.2	+0.4
Y46A	Houston	baz=178,SNR=28	21.67	11	eP	P	09 09 50.0	+0.8
GOGA	Godfrey	comp=Z,105nm,1.0s	21.67	11	eP	P	09 09 50.0	+0.8
GOGA	Godfrey	baz=177,SNR=11	21.67	11	eP	P	09 09 49.5	+0.3
GOGA	Godfrey	comp=Z,105nm,1.0s	21.67	11	P	P	09 09 49.5	+0.3
Y45A	Yeager Farm, C	baz=177,SNR=11	21.68	357	P	P	09 09 50.1	+0.9
Y47A	UCPARC	baz=181,SNR=30	21.72	4	eP	P	09 09 49.7	+0.3
Y49A	Blount Mountai	comp=Z,121nm,1.4s	21.72	4	eP	P	09 09 49.9	+0.2
Y49A	Blount Mountai	baz=185,SNR=7.9	21.72	4	P	P	09 09 49.6	-0.2
Y48A	Jasper	baz=183,SNR=26	21.73	3	P	P	09 09 49.6	-0.2
Z55A	Blythe	baz=196,SNR=10.0	21.78	14	P	P	09 09 50.8	+0.5
AOPR	Arecibo Observ	comp=Z,29nm,0.8s	21.78	71	eP	P	09 09 50.4	-0.1
Y44A	Strider, Charl	baz=175	21.81	356	P	P	09 09 51.1	+0.4
Y50A	Piedmont	baz=187,SNR=16	21.81	6	P	P	09 09 51.0	+0.3
Y43A	Makayla and Ka	baz=173,SNR=14	21.84	354	P	P	09 09 51.3	+0.6
Y42A	Garnett	baz=171,SNR=22	21.84	352	P	P	09 09 51.4	+0.4
OBIP	Obispado Ponce	comp=Z,31nm,1.1s	21.85	72	eP	P	09 09 51.1	-0.1
Y51A	Rockmart	baz=188,SNR=30	21.90	7	P	P	09 09 51.9	+0.3

HPIG	comp=Z,34nm,1.0s	21.91	315	eP	P	09 09 52.3	+0.2	
CCAR	Cane Creek	comp=Z,501nm,1.3s	21.92	352	eP	P	09 09 53.1	+1.2
Y41A	Eaglebeard	baz=169,SNR=24	22.00	351	P	P	09 09 54.0	+1.3
Y52A	Libburn	comp=Z,93nm,1.1s	22.01	10	eP	P	09 09 52.8	-0.1
Y52A	Libburn	comp=Z,93nm,1.1s	22.01	10	P	P	09 09 53.1	+0.3
RGRS	Roger Stewart	comp=Z,486nm,0.8s	22.02	19	eP	P	09 09 53.1	+0.2
RGRS	Monroe	baz=192,SNR=27	22.08	11	eP	P	09 09 58.3	+5.4
Y53A	New Hope	comp=Z,99nm,1.1s	22.21	19	eP	P	09 09 55.5	+0.5
NHSC	New Hope	baz=201	22.21	19	P	P	09 09 54.8	-0.2
X45A	UM Field Stati	baz=177,SNR=12	22.23	358	P	P	09 09 54.8	-0.4
Y40A	Okolona	baz=167,SNR=31	22.25	349	P	P	09 09 55.2	-0.1
LTX	Lajitas	comp=Z,100nm,0.7s,ba baz=126,slow=9.4,SNR=30	22.25	323	eP	P	09 09 55.2	-0.4
LTX	Lajitas	comp=Z,100nm,0.7s,ba baz=126,slow=9.4,SNR=30	22.25	323	eP	P	09 09 55.2	-0.4
TXAR	Lajitas Ar	comp=Z,0.4nm,0.8s,ba baz=150,slow=5.5,SNR=3.6	22.26	323	eP	P	09 09 54.7	+4.4
TX31	Lajitas Ar	comp=Z,0.4nm,0.8s,ba baz=150,slow=5.5,SNR=3.6	22.26	323	eP	P	09 09 55.3	-0.3
Y54A	Tignall	baz=195,SNR=40	22.27	13	P	P	09 09 55.6	0.0
X48A	Hartselle	comp=Z,98nm,1.1s	22.27	3	eP	P	09 09 55.5	-0.1
X48A	Hartselle	baz=183,SNR=6.9	22.27	3	P	P	09 09 55.9	+0.3
SJG	San Juan	comp=Z,10nm,0.2s,ba baz=345,slow=19,SNR=6.6	22.29	72	P	P	09 09 53.2	-2.7
X47A	Russellville	baz=181,SNR=14	22.31	1	P	P	09 09 55.3	-0.7
OXF	Oxford	comp=Z,133nm,1.0s	22.31	358	eP	P	09 09 55.9	-0.2
OXF	Oxford	baz=177,SNR=16	22.31	358	P	P	09 09 55.5	-0.6
X44A	Crenshaw	comp=Z,41nm,1.1s	22.34	356	P	P	09 09 54.7	-1.7
X46A	Booneville	baz=179,SNR=15	22.34	360	P	P	09 09 55.6	-0.7
X49A	Woodville	baz=185,SNR=14	22.38	5	P	P	09 09 56.4	-0.3
X50B	Fort Payne	baz=183	22.39	6	P	P	09 09 55.8	-1.1
X43A	Marvell	comp=Z,84nm,0.9s	22.41	355	eP	P	09 09 58.4	+1.2
X43A	Marvell	baz=173	22.41	355	P	P	09 09 56.8	-0.3
X42A	Stuttgart	baz=172	22.53	353	P	P	09 09 57.9	-0.4
X51A	Calhoun	comp=Z,96nm,1.2s	22.58	8	eP	P	09 09 60.0	+1.0
X51A	Calhoun	baz=189	22.58	8	P	P	09 09 57.8	-1.2
X41A	Kaden, Bauxite	baz=163,SNR=42	22.59	351	P	P	09 09 58.7	-0.4
X40A	Basin Creek Fa	comp=Z,187nm,1.4s	22.63	350	eP	P	09 09 59.0	-0.5
X40A	Basin Creek Fa	baz=168,SNR=36	22.63	350	P	P	09 09 59.0	-0.5
HODGE	Hodges	comp=Z,26nm,1.8s	22.72	13	eP	P	09 10 01.7	+1.3
H06N1	SOCORRO T-PHASE	22.76	290	T	T	09 09 33	31.5	
X52A	Dahlonega	baz=191,SNR=17	22.76	10	P	P	09 10 00.9	0.0
X53A	Espanolee	baz=193,SNR=22	22.77	11	P	P	09 10 00.5	-0.4
PLAL	Pickwick Lake	comp=Z,60nm,1.1s	22.77	1	eP	P	09 10 00.2	-0.7
MIAR	Mount Ida	comp=Z,197nm,1.3s	22.82	349	eP	P	09 10 00.9	-0.6
MIAR	Mount Ida	comp=Z,197nm,1.3s	22.82	349	eP	P	09 10 00.9	-0.6
MIAR	Mount Ida	baz=167,SNR=68	22.82	349	P	P	09 10 00.8	-0.7
MTP	Monte Pirata	comp=Z,12nm,0.8s	22.84	72	eP	P	09 10 01.4	-0.5
UALR	University of	comp=Z,367nm,1.6s	22.84	352	eP	P	09 10 01.5	-0.2
ABTX	Abilene, Hawle	comp=Z,342nm,1.5s	22.87	335	eP	P	09 10 00.5	-1.6
ABTX	Abilene, Hawle	baz=150,SNR=68	22.87	335	P	P	09 09 59.9	-2.2
X39A	Fountain Ranch	baz=165,SNR=32	22.89	348	P	P	09 10 01.3	-0.9
W46A	Michie	baz=180,SNR=24	22.92	0	P	P	09 10 01.2	-1.3
W45A	Hickory Valley	baz=178,SNR=17	22.95	358	P	P	09 10 01.2	-1.7
W44A	Shelby Farms P	baz=176	22.96	357	P	P	09 10 01.6	-1.3
W48A	Pulaski	baz=183,SNR=33	22.96	3	P	P	09 10 02.1	-0.8
W43A	Forest City	baz=185,SNR=13	22.96	355	P	P	09 10 02.3	-0.6
W49A	Belvidere	comp=Z,210nm,1.2s	23.01	15	eP	P	09 10 02.3	-0.9
JSC	Jenkinsville	comp=Z,210nm,1.2s	23.01	15	eP	P	09 10 04.0	+0.6
JSC	Jenkinsville	comp=Z,210nm,1.2s	23.01	15	eP	P	09 10 04.0	+0.6
JSC	Jenkinsville	comp=Z,210nm,1.2s	23.01	15	eP			

S46A	Don Dixon Farm	25.47	1	P	P	09 10 24.9	-1.7
S44A	Carbonate	25.48	359	P	P	09 10 23.9	-2.9
SIUC	Southern Illin	25.50	358	eP	P	09 10 25.8	-1.1
S48A	Wiedeman Farm,	25.52	4	P	P	09 10 26.3	-0.8
S41A	Illico Farms,	25.54	354	P	P	09 10 25.6	-1.7
S42A	Caledonia	25.64	356	P	P	09 10 25.5	-2.7
S40A	Lebanon	25.64	352	P	P	09 10 26.4	-1.8
AMTX	Amarillo	25.67	334	eP	P	09 10 28.3	-0.3
AMTX	Amarillo	25.67	334	P	P	09 10 27.3	-1.3
EPT	El Paso	25.70	322	eP	P	09 10 29.9	+0.9
S50A	Richmond	25.71	7	P	P	09 10 28.1	-0.7
S49A	Springfield	25.71	6	P	P	09 10 28.2	-0.7
USIN	University of	25.75	1	eP	P	09 10 27.9	-1.3
S51A	Beattyville	25.78	9	eP	P	09 10 29.8	+0.4
S51A	Beattyville	25.78	9	P	P	09 10 28.2	-1.2
FVM	French Village	25.82	356	eP	P	09 10 30.5	+0.6
S39A	Bolivar	25.85	351	eP	P	09 10 28.6	-1.4
S39A	Bolivar	25.85	351	P	P	09 10 28.5	-1.6
S38A	Stockton	25.88	350	P	P	09 10 28.8	-1.6
SS2A	Salversville	25.90	10	P	P	09 10 29.6	-0.9
CCM	Cathedral Cave	25.96	355	eP	P	09 10 30.0	-1.1
CCM	Cathedral Cave	25.96	355	eP	Pmax	09 10 30.0	-1.1
CCM	Cathedral Cave	25.96	355	P	Pmax	09 10 29.8	-1.3
BLA	Blacksburg	26.00	15	eP	P	09 10 31.0	-0.5
BLA	Blacksburg	26.00	15	P	P	09 10 30.5	-1.0
R46A	Gibson Southern	26.00	2	P	P	09 10 30.3	-1.2
R44A	Waltonville	26.03	359	P	P	09 10 30.3	-1.4
R45A	Skyilar, Fairir	26.07	0	P	P	09 10 31.2	-0.9
WCI	Wyandotte Cave	26.07	4	eP	P	09 10 30.6	-1.5
WCI	Wyandotte Cave	26.07	4	eP	Pmax	09 10 30.6	-1.5
WCI	Wyandotte Cave	26.07	4	P	Pmax	09 10 30.3	-1.8
R43A	Red Bud	26.09	357	P	P	09 10 30.3	-2.0
R47A	Wooly Knot Far	26.13	3	P	P	09 10 31.7	-0.9
R42A	Luebbering	26.14	356	P	P	09 10 30.8	-1.9
R41A	Rosebud	26.21	355	P	P	09 10 31.5	-1.9
R49A	Shelbyville	26.23	6	P	P	09 10 31.5	-2.0
R48A	Northridge Ran	26.27	5	P	P	09 10 32.1	-1.8
R40A	Maddies Statio	26.29	353	P	P	09 10 32.4	-1.7
R50A	Paris	26.31	7	P	P	09 10 32.5	-1.7
R39A	Chumby, Stover	26.42	352	P	P	09 10 33.5	-1.7
R38A	Fenwick Farm,	26.42	350	P	P	09 10 33.4	-1.9
R51A	Hillsbor	26.43	9	P	P	09 10 33.7	-1.6
SLM	Saint Louis	26.46	357	eP	P	09 10 34.1	-1.5
SLM	Saint Louis	26.46	357	eP	Pmax	09 10 34.1	-1.5
OLIL	Olney	26.51	1	eP	P	09 10 34.8	-1.3
R52A	Catlettsburg	26.61	10	P	P	09 10 35.4	-1.6
Q45A	Warren Harvey,	26.67	0	P	P	09 10 35.7	-1.8
Q44A	Meyer Farm, Va	26.68	359	P	P	09 10 35.7	-1.9
Q43A	New Douglas	26.74	358	P	P	09 10 36.0	-2.1
Q42A	Golden Eagle	26.75	356	P	P	09 10 36.7	-1.6
Q47A	Bedord North L	26.77	3	P	P	09 10 36.2	-2.2
Q48A	North Vernon	26.81	5	P	P	09 10 37.2	-1.6
Q46A	CEJHS Indians,	26.82	2	P	P	09 10 37.0	-1.8
Q41A	Truxton	26.85	355	P	P	09 10 37.2	-1.9
HSIG	comp=Z,174nm,1.0s	26.90	312	eP	P	09 10 39.9	+0.1
Q50A	Georgetown	26.91	8	P	P	09 10 38.0	-1.6
Q49A	Aurora	26.96	6	P	P	09 10 38.3	-1.8
Q40A	Laur Farm, Aux	26.97	354	P	P	09 10 38.1	-2.1
SRIG	Santa Rosalia	26.98	308	eP	P	09 10 42.0	+1.5
BLO	Bloomington	27.00	3	eP	P	09 10 40.7	+0.2
BLO	Bloomington	27.00	3	eP	Pmax	09 10 40.7	+0.2
121A	Cookes Peak, D	27.01	322	P	P	09 10 40.1	-0.7
Q39A	Willow Grove F	27.13	352	P	P	09 10 39.5	-2.1
Q38A	Cooks Store, C	27.14	351	P	P	09 10 40.0	-1.7
JSRW	J. Sargeant Re	27.16	19	eP	P	09 10 42.1	+0.2
319A	Douglas	27.17	318	eP	P	09 10 44.1	+1.8
Q51A	Peebles	27.18	9	eP	P	09 10 40.9	-1.2
Q51A	Peebles	27.18	9	P	P	09 10 40.4	-1.7
Q37A	Longview Farm,	27.19	350	P	P	09 10 40.1	-2.1
P44A	Sand Creek, Wi	27.24	360	P	P	09 10 40.5	-2.2
Q52A	Bidwell	27.29	10	P	P	09 10 40.7	-2.4
P45A	Graceland, Par	27.31	1	eP	P	09 10 43.6	+0.4
P45A	Graceland, Par	27.31	1	P	P	09 10 40.9	-2.3
P47A	Martinsville	27.33	4	P	P	09 10 41.4	-2.0
P48A	Mitroy	27.36	5	P	P	09 10 41.2	-2.5
R58B	Mineral	27.41	18	P	P	09 10 41.2	-3.0
P46A	Rosedale	27.41	2	P	P	09 10 42.2	-2.0
P42A	Winchester	27.41	357	eP	P	09 10 42.0	-2.2
P42A	Winchester	27.41	357	P	P	09 10 41.7	-2.5
P43A	Skaggs, Pawnee	27.43	358	P	P	09 10 42.5	-1.9
P40A	Paris	27.50	354	P	P	09 10 43.0	-1.9
P49A	Miami Univ. Ec	27.50	6	P	P	09 10 43.1	-1.9

BNM	Barren Site	27.51	326	eP	P	09 10 46.7	+1.3
CVRD	Centerville R	27.52	18	eP	P	09 10 45.0	-0.2
P31B	Salisbury	27.53	353	P	P	09 10 43.1	-2.2
P49A	Barry, Barry	27.55	356	P	P	09 10 43.8	-1.6
Y22D	IRIS PASSCAL I	27.61	325	eP	P	09 10 46.0	-0.3
Y22D	IRIS PASSCAL I	27.61	325	P	P	09 10 45.9	-0.3
LPM	Los Pinos Moun	27.63	326	eP	P	09 10 46.5	0.0
P51A	Williamsport	27.66	9	eP	P	09 10 45.4	-1.1
P51A	Williamsport	27.66	9	P	P	09 10 44.5	-1.9
P50A	Jamestown	27.69	8	P	P	09 10 46.2	-0.4
LENM	Lemitar	27.71	325	eP	P	09 10 47.9	+0.8
P38A	Dawn	27.77	351	P	P	09 10 45.2	-2.2
CBN	Corbin Frederi	27.79	19	eP	P	09 10 46.7	-0.8
CBN	Corbin Frederi	27.79	19	P	P	09 10 46.7	-0.8
KSU1	Kansas State U	27.85	346	eP	P	09 10 46.8	-1.3
KSU1	Kansas State U	27.85	346	P	P	09 10 45.9	-2.1
P37A	Lathrop	27.86	350	P	P	09 10 45.9	-2.4
O44A	Mansfield	27.93	360	P	P	09 10 46.6	-2.2
P52A	Corning	27.97	10	P	P	09 10 46.1	-3.0
O41A	Passleys Farm,	27.98	356	P	P	09 10 46.6	-2.6
LAZ	Ladron	27.98	326	eP	P	09 10 49.0	-0.5
O42A	Bath	28.01	357	eP	P	09 10 47.0	-2.5
TASL	Snake Pit, Alb	28.02	327	P	P	09 10 48.6	-1.3
ANMO	Albuquerque	28.02	327	P	P	09 10 44.5	-5.4
ANMO	Albuquerque	28.02	327	eP	P	09 10 49.3	-0.6
ANMO	Albuquerque	28.02	327	eP	Pmax	09 10 51.6	+1.7
ANMO	Albuquerque	28.02	327	P	P	09 10 48.6	-1.3
TASM	ASL Pad, Albuq	28.02	327	P	P	09 10 48.5	-1.4
O45A	Potomac	28.03	1	P	P	09 10 47.2	-2.5
O40A	La Belle	28.06	354	P	P	09 10 47.4	-2.6
O43A	Sugar Creek Fa	28.07	359	P	P	09 10 48.2	-1.9
O47A	Sherridan	28.08	4	P	P	09 10 47.6	-2.5
SF1N	Lafayette	28.18	2	eP	P	09 10 48.6	-2.4
SF1N	Lafayette	28.18	2	P	P	09 10 48.4	-2.6
O48A	Farmland	28.18	5	P	P	09 10 48.4	-2.6
O49A	Covington	28.19	7	eP	P	09 10 49.5	-1.7
O49A	Covington	28.19	7	P	P	09 10 49.0	-2.1
O50A	Cable	28.24	8	P	P	09 10 49.8	-1.8
O38A	Galt	28.25	352	P	P	09 10 49.7	-2.0
O39A	Kirksville	28.27	353	P	P	09 10 49.7	-2.1
HD1L	Hopedale	28.34	359	eP	P	09 10 50.8	-1.6
HD1L	Hopedale	28.34	359	P	P	09 10 50.3	-2.2
O51A	Petasakla	28.39	9	P	P	09 10 51.3	-1.6
O37A	Wolven Farm, M	28.40	351	P	P	09 10 50.9	-2.1
ACSO	Alum Creek Sta	28.41	9	eP	P	09 10 52.0	-1.1
ACSO	Alum Creek Sta	28.41	9	P	P	09 10 52.6	-0.5
CBKS	Cedar Bluff	28.44	341	eP	P	09 10 52.6	-0.8
CBKS	Cedar Bluff	28.44	341	eP	Pmax	09 10 52.6	-0.8
CBKS	Cedar Bluff	28.44	341	P	P	09 10 52.1	-1.3
MCWV	Mont Chateau	28.46	14	eP	P	09 10 53.1	-0.4
MCWV	Mont Chateau	28.46	14	P	P	09 10 53.0	-0.6
O52A	Prairie Point,	28.49	11	P	P	09 10 51.3	-2.5
N41A	Harden Midland	28.56	356	eP	P	09 10 52.5	-2.0
N41A	Harden Midland	28.56	356	P	P	09 10 52.0	-2.4
N44A	Piper City	28.57	0	P	P	09 10 52.0	-2.4
N45A	Kentland	28.63	1	P	P	09 10 52.7	-2.3
N42A	Yates City	28.64	357	P	P	09 10 53.4	-1.7
N46A	Monticello	28.71	3	P	P	09 10 54.0	-1.7
N43A	Stutzman Famil	28.72	359	P	P	09 10 53.7	-2.1
TUC	Tucson	28.75	318	eP	P	09 10 57.5	+1.2
TUC	Tucson	28.75	318	eP	Pmax	09 10 57.5	+1.2
TUC	Tucson	28.75	318	P	P	09 10 56.3	-0.1
T25A	Trinidad	28.76	333	eP	P	09 10 57.2	+0.7
T25A	Trinidad	28.76	333	P	P	09 10 56.0	-0.5
N40A	Metcuque, Sal	28.79	355	P	P	09 10 54.0	-2.4
N39A	Derby Farms, D	28.88	354	eP	P	09 10 55.5	-1.7
N39A	Derby Farms, D	28.88	354	P	P	09 10 55.4	-1.8
N38A	Joeh South For	28.88	352	P	P	09 10 55.4	-1.9
N50A	Nevada	28.92	8	P	P	09 10 54.7	-2.9
N37A	Lee Faris, Mou	28.98	351	P	P	09 10 56.6	-1.7
SDMD	Soldier's Deli	29.05	19	eP	P	09 10 58.2	-0.7
SDMD	Soldier's Deli	29.05	19	eP	PcP	09 10 58.2	-0.7
M44A	Midewin, Midew	29.16	1	eP	P	09 10 57.3	-2.4
M44A	Midewin, Midew	29.16	1	P	P	09 10 57.4	-2.4
N36A	Muff Farm, Cla	29.16	350	P	P	09 10 57.2	-2.7
M45A	Boilermakers S	29.18	2	P	P	09 10 57.2	-2.7
M41A	Milan	29.21	357	P	P	09 10 58.2	-2.0
M43A	Waltham Townsh	29.21	359	P	P	09 10 57.7	-2.5
M46A	Old House Fiel	29.24	3	eP	P	09 10 58.7	-1.7
M46A	Old House Fiel	29.24	3	P	P	09 10 59.5	-0.9
M42A	Sheffield	29.25	358	P	P	09 10 58.9	-1.6
M40A	Post Highland	29.30	355	P	P	09 10 59.1	-1.9
O56A	Blue Knob Stat	29.36	15	eP	P	09 11 00.1	+0.5
O56A	Blue Knob Stat	29.36	15	P	P	09 11 00.1	-1.4
M48A	Edgerton	29.43	6	P	P	09 11 00.7	-1.5

M39A	Webster	29.44	354	P	P	09 11 00.3	-1.9
M38A	Pleasantville	29.49	353	P	P	09 11 00.6	-2.1
M49A	Liberty Center	29.50	7	P	P	09 11 00.8	-2.0
M50A	Fremont						

J37A	Redenius Farm, baz=170,SNR=76	31.40	353	P	P	09 11 16.8	-2.7
PAL	Palisades comp=2,115nm,1.8s	31.47	21	eP	P	09 11 19.3	-0.9
PAL	Palisades comp=Z,115nm,1.8s	31.47	21	P	P	09 11 16.2	-4.0
ISCO	Idaho Springs baz=208	31.50	334	eP	P	09 11 21.7	+0.9
ISCO	Idaho Springs comp=Z,9nm,1.0s	31.50	334	eP	P	09 11 21.7	+0.9
ISCO	Idaho Springs comp=Z,19nm,1.0s	31.50	334	P	P	09 11 18.8	-2.0
J36A	Seneca 1, Swea baz=169,SNR=27	31.52	352	P	P	09 11 17.6	-3.1
PV01	Paradox Valley	31.55	329	eP	P	09 11 22.8	+1.6
SMCO	Snowmass comp=Z,19nm,0.9s	31.59	332	eP	P	09 11 22.6	+0.8
I43A	Langenfeld Bro baz=180	31.66	0	P	P	09 11 19.3	-2.5
I42A	Draeger Farm, comp=Z,56nm,1.0s	31.66	359	eP	P	09 11 19.7	-2.2
I42A	Draeger Farm, baz=179,SNR=8.8	31.69	329	eP	P	09 11 25.5	+3.1
PV02	Paradox Valley comp=Z,16nm,1.0s	31.69	328	eP	P	09 11 23.4	+0.9
PV13	Radium Mtn., P comp=Z,30nm,1.3s	31.72	357	P	P	09 11 20.1	-2.3
I40A	Norwalk baz=172	31.74	356	eP	P	09 11 20.3	-2.2
I39A	Houston comp=Z,46nm,0.9s	31.74	356	P	P	09 11 19.8	-2.8
I39A	Houston baz=174,SNR=12	31.78	328	eP	P	09 11 24.3	+1.1
PV05	Paradox Valley	31.78	329	eP	P	09 11 22.5	-0.7
PV12	Saucer Basin, comp=Z,30nm,0.9s	31.81	329	eP	P	09 11 23.8	+0.3
PV18	Skein Mesa, Pa comp=Z,25nm,1.0s	31.81	329	eP	P	09 11 23.8	+0.3
PV11	David Mesa, Pa comp=Z,7.9nm,1.7s	31.84	15	eP	P	09 11 23.2	-0.2
MMNY	Mt. Morris Dam comp=Z,44nm,1.0s	31.86	358	eP	P	09 11 21.0	-2.5
I41A	Arkdale baz=177,SNR=8.4	31.86	358	eP	P	09 11 21.7	+0.8
I41A	Arkdale comp=Z,18nm,0.8s	31.86	329	eP	P	09 11 23.5	-0.4
PV16	Nyswonger Mesa comp=Z,36nm,1.3s	31.87	18	eP	P	09 11 22.9	-0.8
BINY	Binghamton comp=Z,33nm,1.0s	31.87	18	P	P	09 11 20.8	-2.9
BINY	Binghamton baz=203,SNR=8.3	31.89	328	eP	P	09 11 24.3	+0.1
PV19	Morning Glory comp=Z,12nm,0.8s	31.91	328	eP	P	09 11 24.2	+0.2
PV20	West Nyswonger comp=Z,18nm,1.0s	31.92	315	P	P	09 11 23.7	-0.6
GLA	Glamis comp=Z,16nm,1.0s	31.96	328	eP	P	09 11 26.2	+1.3
PV22	Blue Mesa, Par comp=Z,22nm,1.1s	31.97	328	eP	P	09 11 26.4	+1.5
PV10	Paradox Valley	31.99	355	P	P	09 11 22.0	-2.7
I38A	Scanlan Farm, baz=173,SNR=18	32.01	329	eP	P	09 11 25.4	+0.1
PV23	Carpenter Ridg comp=Z,28nm,0.9s	32.02	353	P	P	09 11 23.5	-0.4
I37A	Lemond, Waseca baz=171,SNR=42	32.08	329	eP	P	09 11 27.6	+1.7
PV21	Cone Mtn., Par comp=Z,2nm,1.0s	32.11	329	eP	P	09 11 26.4	+0.2
PV09	Paradox Valley	32.12	316	eP	P	09 11 25.4	-0.4
Y12C	Blythe baz=126	32.16	352	P	P	09 11 24.0	-2.2
I36A	Fitzsimmons Fa baz=170,SNR=16	32.19	318	P	P	09 11 25.7	-0.9
PDMCI	Parker Dam,Lak baz=127	32.24	1	P	P	09 11 24.7	-2.2
H43A	Windswept, Lux baz=181	32.28	360	eP	P	09 11 25.1	-2.2
H42A	Shiocton comp=Z,32nm,1.0s	32.28	360	P	P	09 11 24.5	-2.7
H42A	Shiocton baz=160	32.29	349	eP	P	09 11 25.4	-2.0
ECSD	EROS Data Cent comp=Z,49nm,1.3s	32.29	349	P	P	09 11 25.0	-2.4
ECSD	EROS Data Cent baz=165,SNR=24	32.29	349	P	P	09 11 30.6	+2.0
U15A	North Rim comp=Z,4nm,1.1s	32.41	358	eP	P	09 11 26.3	-2.1
H41A	Junction City comp=Z,36nm,1.3s	32.41	358	P	P	09 11 25.4	-3.0
H41A	Junction City baz=178	32.44	357	P	P	09 11 26.1	-2.6
H40A	Chili baz=176,SNR=28	32.51	319	eP	P	09 11 30.4	+0.8
W13A	Hualapai Mount comp=Z,0nm,1.0s	32.54	314	P	P	09 11 29.4	-0.3
SWSC	Sam W. Stewart baz=123	32.54	356	P	P	09 11 27.2	-2.4
H39A	Augusta baz=175,SNR=6.5	32.55	335	eP	P	09 11 31.9	+1.9
N23A	Red Feather La comp=Z,13nm,0.9s	32.55	335	P	P	09 11 28.8	-1.1
N23A	Red Feather La baz=147	32.58	354	P	P	09 11 27.8	-2.1
H37A	Dierke Farm, C baz=173,SNR=15	32.60	313	P	P	09 11 29.8	+0.5
IKP	In-Ko-Pah, Jac baz=122,SNR=6.5	32.62	355	P	P	09 11 28.0	-2.2
H38A	Malden Rock baz=173,SNR=17	32.66	129	eP	P	09 11 30.1	-0.8
SAML	Samuel comp=Z,39nm,1.1s	32.66	129	eP	P	09 11 30.1	-0.8
SAML	Samuel comp=Z,39nm,1.1s	32.69	336	eP	P	09 11 32.1	+0.9
PHWY	Pilot Hill comp=Z,22nm,1.0s	32.69	315	P	P	09 11 30.5	-0.7
BC3	Big Chuckawall baz=124,SNR=5.6	32.69	353	P	P	09 11 28.6	-2.3
H36A	Jessenland, He baz=170,SNR=24	32.76	5	eP	P	09 11 31.7	+0.3
GLMI	Graying comp=Z,57nm,1.0s	32.76	5	P	P	09 11 29.2	-2.3
GLMI	Graying baz=187	32.77	316	P	P	09 11 31.1	-0.6
IRM	Iron Mountain baz=126	32.78	318	P	P	09 11 31.1	-0.7
NEE2	Needles Airpor baz=127	32.93	352	P	P	09 11 30.4	-2.6
H35A	Sunnyside Ranc baz=168,SNR=37	32.94	331	eP	P	09 11 35.0	+1.6
O20A	White River Ci comp=Z,64nm,1.0s	32.94	331	P	P	09 11 32.5	-0.9
O20A	White River Ci baz=142,SNR=11	32.95	313	P	P	09 11 34.7	+1.2
MONP2	Monument Peak baz=122	32.99	359	P	P	09 11 31.0	-2.5
G41A	Antigo baz=178	33.01	360	eP	P	09 11 31.2	-2.4
G42A	Mountain comp=Z,22nm,0.8s	33.01	360	P	P	09 11 31.7	-2.0
G42A	Mountain baz=180	33.03	1	P	P	09 11 30.9	-2.9
G43A	Wallace baz=181	33.07	356	P	P	09 11 31.7	-2.5
G38A	Ridgeland baz=174,SNR=19	33.08	358	eP	P	09 11 32.2	-0.2
G40A	Rib Lake comp=Z,55nm,1.1s	33.08	358	P	P	09 11 31.8	-2.5
G40A	Rib Lake baz=173,SNR=19	33.08	324	eP	P	09 11 35.7	+0.9
PKCU	Pink Cliffs comp=Z,17nm,1.0s	33.08	20	eP	P	09 11 34.0	-0.3
TRY	Troy comp=Z,74nm,1.1s	33.14	356	P	P	09 11 32.1	-2.7
G39A	Holcombe baz=175,SNR=29	33.15	22	eP	P	09 11 34.9	0.0
QUA2	Belchertown comp=Z,56nm,1.4s						

M65A	Busby, Fairmount baz=213	33.20	25	P	P	09 11 33.9	-1.4
SPMM	Marine on St. comp=Z,108nm,0.8s	33.21	354	eP	P	09 11 33.0	-2.3
SPMM	Marine on St. baz=172,SNR=46	33.21	354	P	P	09 11 32.9	-2.5
BELC	Belle Mtn. Jos. baz=124	33.26	315	P	P	09 11 36.0	-0.2
SRU	San Rafael Swe comp=Z,28nm,1.5s	33.29	328	eP	P	09 11 37.8	+1.4
LCMT	Little Creek M comp=Z,4.3nm,0.9s	33.34	322	eP	P	09 11 37.6	+0.8
XPFO	Pleion Flat comp=Z,0nm,1.1s	33.36	314	eP	P	09 11 37.5	+0.4
PFO	Pinyon Flats O comp=Z,9.4nm,1.0s	33.37	314	eP	P	09 11 36.6	-0.5
PFO	Pinyon Flats O comp=Z,9.0nm,1.0s	33.37	314	P	P	09 11 36.6	-0.5
FRD	Ford Ranch, An baz=123	33.40	314	P	P	09 11 36.1	-1.2
MTPU	Mount Pierson comp=Z,10nm,1.1s	33.42	325	eP	P	09 11 39.7	+1.9
109C	Camp Elliot, M. baz=122	33.44	313	P	P	09 11 35.9	-1.6
SUSD	Mill Creek, M. baz=161,SNR=14	33.47	346	P	P	09 11 35.4	-2.3
GMRC	Granite Mounta baz=126	33.48	317	P	P	09 11 37.8	-0.3
SADO	Sadovya comp=Z,55nm,1.4s	33.50	12	eP	P	09 11 36.0	-1.9
F41A	Three Lakes comp=Z,24nm,1.3s	33.52	359	eP	P	09 11 36.3	-1.8
F41A	Three Lakes baz=182	33.52	359	P	P	09 11 34.9	-3.2
F42A	Maple Grove Fa baz=180	33.53	0	P	P	09 11 36.3	-1.9
P18A	Preston Nutter comp=Z,1nm,0.8s	33.53	329	eP	P	09 11 40.5	+1.8
F45A	CMU Biological baz=185	33.55	4	P	P	09 11 35.7	-2.6
F43A	Flat Rock, Esc comp=Z,6.3nm,0.9s	33.64	323	eP	P	09 11 39.3	+0.2
SZCU	Shurtz Canyon comp=Z,52nm,1.5s	33.64	23	eP	P	09 11 39.3	+0.2
HRV	Adam Dzewiosk comp=Z,52nm,1.5s	33.64	23	eP	P	09 11 39.3	+0.2
HRV	Adam Dzewiosk comp=Z,52nm,1.5s	33.64	23	P	P	09 11 36.8	-2.3
HRV	Adam Dzewiosk baz=211	33.64	23	eP	P	09 11 39.5	+0.4
BCX	Bascon College comp=Z,26nm,1.0s	33.66	20	eP	P	09 11 39.1	-0.3
ACCN	Adirondack Com comp=Z,61nm,1.8s	33.67	328	eP	P	09 11 39.5	-0.2
P17A	Butcher Ranch, baz=171,SNR=10.8	33.69	355	P	P	09 11 37.1	-2.4
F37A	Hinrichs Farm, baz=172,SNR=19	33.69	5	P	P	09 11 37.4	-2.1
F46A	Macinaw City C. baz=177,SNR=17	33.72	358	P	P	09 11 37.1	-2.8
F40A	Park Falls baz=177,SNR=17	33.74	334	eP	P	09 11 41.1	+0.8
RWWY	Rawlins comp=Z,82nm,1.4s	33.75	325	eP	P	09 11 41.4	+0.9
MSU	Marysville baz=175,SNR=18	33.75	325	eP	P	09 11 41.4	+0.9
MSU	Marysville baz=175,SNR=18	33.75	325	eP	P	09 11 41.4	+0.9
F39A	Loretta baz=175,SNR=18	33.77	323	eP	P	09 11 42.5	+1.8
CCUT	Cedar City comp=Z,7.6nm,1.1s	33.78	327	eP	P	09 11 42.5	+1.6
TMUT	Trail Mountain comp=Z,1.1nm,1.0s	33.79	2	P	P	09 11 37.4	-3.0
F44A	Big Bay de Noc baz=185,SNR=12	33.86	356	P	P	09 11 38.4	-2.7
F38A	Pierce - Schro baz=174,SNR=40	33.88	314	P	P	09 11 41.6	+0.2
MURC	Murieta baz=123	33.88	359	eP	P	09 11 38.5	-2.7
COWI	Conner comp=Z,36nm,1.1s	33.96	316	P	P	09 11 40.8	-1.4
HEC	Hector,Ludlow baz=125	34.01	18	eP	P	09 11 43.1	+0.6
NCB	Newcomb comp=Z,46nm,1.4s	34.04	318	P	P	09 11 42.1	-0.8
TUQ	Turquoise Moun baz=126	34.04	315	P	P	09 11 42.0	-1.1
BBRO	Big Bear Solar baz=125	34.17	2	eP	P	09 11 41.4	-2.3
E43A	Lone Tree Farm comp=Z,24nm,0.9s	34.17	2	P	P	09 11 41.1	-2.6
E43A	Lone Tree Farm baz=125	34.19	320	eP	P	09 11 45.7	+1.4
SHPR	Sheep Range comp=Z,6.4nm,1.1s	34.20	357	P	P	09 11 41.4	-2.6
E39A	Mellen baz=176,SNR=28	34.20	1	P	P	09 11 41.2	-2.8
ELV2	Champion baz=181,SNR=5.7	34.21	14	eP	P	09 11 42.6	-1.6
P43A	Plevna comp=Z,51nm,1.3s	34.24	4	P	P	09 11 41.7	-2.6
E45A	Wooded Hills baz=185,SNR=5.3	34.24	358	P	P	09 11 41.8	-2.5
E40A	Wakefield baz=177,SNR=10.0	34.24	359	P	P	09 11 41.4	-2.9
E41A	Kent baz=179	34.26	336	eP	P	09 11 45.3	+0.6
K22A	Casper comp=Z,48nm,1.1s	34.26	336	P	P	09 11 42.9	-1.9
K22A	Casper baz=127	34.44	316	P	P	09 11 46.6	+0.3
RRX	Edison Barstow baz=124	34.45	3	P	P	09 11 44.1	-2.1
E44A	Grand Marais A baz=184,SNR=9.3	34.48	356	eP	P	09 11 44.0	-2.4
E38A	The Farm, Brul comp=Z,94nm,1.1s	34.48	356	P	P	09 11 43.7	-2.7
E38A	The Farm, Brul baz=174,SNR=26	34.49	18	eP	P	09 11 45.1	-1.5
LONY	Lake Ozonia comp=Z,69nm,1.2s	34.49	18	eP	P	09 11 43.4	-3.2
LONY	Lake Ozonia baz=204,SNR=19	34.52	312	P	P	09 11 47.5	+0.5
SCI2	San Clemente I baz=120	34.53	328	eP	P	09 11 47.6	+0.4
MPU	Maple Canyon comp=Z,19nm,1.0s	34.54	314	P	P	09 11 47.4	0.0
BFSC	Mount Baldy Ra baz=122	34.54	318	P	P	09 11 47.6	+0.4
SHOC	Shoshone, Tecco baz=126	34.55	317	P	P	09 11 47.4	+0.1
GSC	Goldstone, Bar baz=125	34.61	340	eP	P	09 11 48.7	+0.8
RSSD	Black Hills comp=Z,90nm,1.9s	34.61	340	P	P	09 11 47.6	-0.3
RSSD	Black Hills baz=122	34.62	144	eP	P	09 11 47.5	-1.2
LPAZ	La Paz comp=Z,1.9nm,0.8s,baz=3						

27d 9h

Table with columns: Station, Frequency, Class, Mode, Power, and Time. Includes stations like KVN Kaiserville, RYN Ryan, LAO LESA Array, etc.

2012 AUG

Table with columns: Station, Frequency, Class, Mode, Power, and Time. Includes stations like G03D McMinnville, E04D Cinebar, C06D Leavenworth, etc.

1294

Table with columns: Station, Frequency, Class, Mode, Power, and Time. Includes stations like ESDC Sonseca Array, ESDC Solibeca Array, ED19 Midlett, etc.

27d 10h

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like KKAR Karatay Array, WR1 Warramunga Arr, AS31 Alice Springs, etc.

2015 AUG

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like V48A Smith Brothers, V46A Holladay, V47A Nunnally, etc.

1296

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like V48A Smith Brothers, V46A Holladay, V47A Nunnally, etc.

CASC 27 10:59:39.1-0.9, 12:00'N:88:66'W, h20km, ML3.7, mb4.6(NEIC)

ISCJB 27 10:59:41.4-0.5, 12:11'N:0:03:88:51'W:0:03, h54km, 3km, mb4.4/84, MS3.2/1, Error ellipse: s-maj=6.4km, s-min=3.3km, az=30.7

NEIC 27 10:59:42.9-0.5, 12:13'N:88:53'W, h43km, 4km, mb4.6/89, Error ellipse: s-maj=6.3km, s-min=3.4km, az=221.0

IDC 27 10:59:44.3-2.0, 12:45'N:88:34'W, h48km, 18km, mb3.8/13, mb1.4/16, mb1mx3.8/53, mbmp4.1/16, ML3.6/3, MS3.4/1, Ms1.3/4.1, ms1mx2.7/46, Error ellipse: s-maj=27.2km, s-min=13.6km, az=40.0

ISC 27 10:59:42.8-1.1, 12:16'N:0:06:88:52'W:0:05, h44km, 10km, mb4.6/89, MS3.2/1, Error ellipse: s-maj=6.4km, s-min=3.3km, az=30.7

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like COSGU Cosiguina Volc, TECA Tecapa, LFRS El Faro, etc.

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like V48A Smith Brothers, V46A Holladay, V47A Nunnally, etc.

Table with columns: Code, Station Name, Az, El, Op, Res, ISC, h, m, s, ISC, Time, Res. Includes stations like V48A Smith Brothers, V46A Holladay, V47A Nunnally, etc.

1297

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like P40A Paris, P39B Salisbury, LEMN Lemitar, etc.

2012 AUG

Table with columns: ID, Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like SZCU Shurtz Canyon, F43A Flat Rock, RWWV Ravens, etc.

27d 11h

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like CHOS, CHOS, CHOS, etc.

NIED 27 11:21:00, 40:10N:142:40E, h5km, Mw4.2 Best double couple: M2,01000:1015 NP1:228.00000, 842.00000, lambda179.00000, NP2:318.00000, 890.00000, lambda48.00000. ISCBJ 27 11:21:39.0, 1.2, 40:09N:103:142:39E, 0.08, h18km, 7km, mb3.9/6, MS3.6/3, Error ellipse: s-maj=10.6km s-min=5.0km az=178.1 JMA 27 11:21:39.0, 40:10N:142:37E, h19km, 1km, M4.5 JMA Felt 1 J JDC 27 11:21:43.8, 3.0, 40:15N:142:45E, h40km, 23km, mb3.7/6, mb1.8/11, mb1mx3.5/81, mbmp3.9/11, ML3.3/4, MS3.5/7, Ms1.3/5, 6km, mb1mx3.7/7, Error ellipse: s-maj=39.5km s-min=16.4km az=077.0 ISCB 27 11:21:39.2, 1.4, 40:11N:103:142:33E, 0.08, h5km, 11km, n30, c1f12/30, mb3.9/6, MS3.6/3, Near east coast of eastern Honshu

MAN 27 11:09:04.3, 6:92N:126:52E, h14km, mb4.6, ML3.5, MS3.3, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like MATI Mati, MATTI, DMMP Don Marcelino, etc.

ISCBJ 27 11:10:32.0, 4.3, 37:86N:102:26:69E, 0.02, h5km, 3km, Error ellipse: s-maj=3.3km s-min=2.4km az=157.9

ATH 27 11:10:32.1, 37:85N:26:73E, h25km, ML2.8/6, Error ellipse: s-maj=2.1km s-min=1.0km az=78.0

DDA 27 11:10:32.5, 37:86N:26:69E, h7km, ML2.6 ISK 27 11:10:32.7, 37:87N:26:74E, h5km, ML2.8/23 THE 27 11:10:33.3, 37:88N:26:73E, h8km, 1km, ML2.8/8, Error ellipse: s-maj=1.8km s-min=0.8km az=75.0

ISC 27 11:10:33.1, 0.8, 37:87N:102:26:71E, 0.02, h14km, 6km, n61, c073/89, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like SMG Samos, SMG, SMG, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes entries like Code Station Name, Tanohata, Miyakonagasawa, etc.

Table with columns: Station Name, Frequency, Power, Class, and Time. Includes stations like Makanchi Array, Karatay Array, Songino Array, etc.

Table with columns: Station Name, Frequency, Power, Class, and Time. Includes stations like WRA, WBE2, GUMU, ZEA, GNI, etc.

Table with columns: Station Name, Frequency, Power, Class, and Time. Includes stations like HNR, CAN, FIAO, FINES, CRVS, etc.

1301

Table with columns: ARK, BTK, BTk, ARSB, ARSB, MNAS, MNAS, MNAS, KK31, AML, AML, SFK, SFK, SFK, EKS2, EKS2. Includes station names, coordinates, and other technical details.

ISC 27 12:25:26.0 1.3, 24.00Sx179.85W, h488km, 15km, mb3.6/10, mb1 3.8/14, mb1mx3.4/52, mbtmp4.5/14, Error ellipse: s-maj=20.3km s-min=14.1km az=172.0

ISCJB 27 12:25:26.4 0.5, 24.06S, 0.07x179.75W, h518km, mb4.1/10, Error ellipse: s-maj=11.2km s-min=8.0km az=28.8

ISC 27 12:25:27.1 0.6, 24.14S, 0.08x179.67W, h518km, n17, az80/21, mb4.1/9, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like RAO Raoul Island, AFI Afiamalu, DZM Mont Dzumac, etc.

ISC 27 12:27:47.5 439.0, 46.94N, 47.94E, h0km, Error ellipse: s-maj=184.6km s-min=145.8km az=6.0, Ukraine-Moldova-Southwestern Russia region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like I31KZ AKTYUBINSK INF, I43RU DUBNA INFRASSON, etc.

ISCJB 27 12:55:11.9 0.4, 12.25N, 0.05x88.49W, 0.03, h10km, s-min=4.4km az=12.1

ISC 27 12:55:11.5 0.7, 12.53N, 87.97W, h0km, mb4.1/10, mb1 4.4/12, mb1mx4.0/52, mbtmp4.1/12, MLJ.3.2, MS3.9/8, Ms1 3.9/8, ms1mx3.7/20, Error ellipse: s-maj=33.0km s-min=12.6km az=55.0

CASC 27 12:55:13.7 1.1, 12.16N, 88.67W, h15km, 7km, ML3.7, mb4.5(NEIC)

NEIC 27 12:55:19.0 0.6, 12.39N, 88.46W, h42km, 6km, mb4.5/94, Error ellipse: s-maj=8.0km s-min=4.8km az=216.0

ISC 27 12:55:14.2 0.6, 12.20N, 0.06x88.52W, 0.05, h10km, n310, f150/279, mb4.4/91, MS4.0/6, Off coast of central

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CSGN Cosiguina Volc, LCNL Lacayo, etc.

2012 AUG

Main table with columns: APG, APG, APG, APG, JTS, JTS, ESPN, COG, CMIG, CMIG, BCIP, TLIG, JROG, ROSC, LNIG, ZAIG, 833A, 833A, 344A, 341A, 247A, 245A, 252A, VBMS, VBMS, 241A, NATX, 435B, 435B, 145A, 149A, 150A, 151A, 152A, 152A, LRAL, LRAL, 249A, JCT, JCT, 155A, 155A, Z50A, Z41A, WHTX, WHTX, Z40A, Z53A, Z54A, Y46A, GOGA, Y47A, ATAH, HPIG, CCAR, Y51A, Y53A, LTX, TXAR, TX31, Y40A, Y54A, X40A, X40A, CBYP, X53A, MIAR, MIAR, UALR, ABTX, ABTX, X39A, W48A, W49A, JSC, W47A, W50A, W51A, W41B, W41B, BG3, W40A, W40A, HBAR, W53A, W39A, W39A, V46A, V47A. Includes station names, coordinates, and other technical details.

27d 12h

Table with columns: V50A, V49A, V42A, V41A, TKL, KMSC, LPIG, V40A, V40A, V53A, V53A, V52A, V39A, U42A, U41A, WMOK, WMOK, U49A, U50A, U40A, HHAR, U39A, TUL1, TUL1, U52A, PBMO, U53A, GDL2, T47A, T47A, T43A, T46A, T42A, T42A, MNTX, MNTX, T41A, T49A, T39A, T40A, T38A, MSTX, MSTX, S43A, S44A, S41A, S40A, S42A, AMTX, AMTX, S39A, S39A, S38A, CCM, CCM, R41A, R40A, R40A, R39A, R38A, NNA, Q40A, Q40A, 121A, Q39A, Q38A, BNM, P40A, P40A, LEMN, P38A, P38A, P37A, LAZ, TASL, P38A, P38A, P37A, T25A, T25A, N39A, N39A, N39A, N38A. Includes station names, coordinates, and other technical details.

Table with columns: ID, Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like M37A Lee Faris, M39A Webster, M38A Pleasantville, etc.

Table with columns: ID, Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LAO LASA Array, YHB Horse Butte, GCMT Pleasantville, etc.

Table with columns: ID, Name, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILB Eielson Array, MK32 Makanchi Array, MKAR Makanchi Array, etc.

DJA 27 14:15:43.5:2.5,5N,21.129E:1.3,h10km,M4,1/5, mb4.7/1,mb3.9/2,MLV4/2.5,Mw(m)3.9/1
IDC 27 14:16:07.1:1.4,2.71N:128.65E,h0km,mb3.3/3, mb1 3.5/4,mb1mx3/2.60,mbtmp3.3/4,ML2.9/1,Error ellipse: s-maj=102.6km s-min=20.2km az=65.0, ISCJB 27 14:16:09.7:1.0,2.80N:0.10:128.9E:0.1,h35km,mb3.6/4, Error ellipse: s-maj=18.8km s-min=10.3km az=146.0, ISC 27 14:16:11.9:1.4,2.7N:0.1:128.8E:0.1,h35km,n13, c0579/8,mb3.4/4,Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include TMTI Ternate, LBMI Labuha, SJJI Sorong, WRA Warramunga Arr, ASAR Alice Springs, H1S13 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1N11 WAKE ISLAND Hy, H1N12 WAKE ISLAND Hy, H1N13 WAKE ISLAND Hy, MKAR Makanchi Array, KURBB Kurchatov Arr.

CASC 27 14:16:19.4:1.6,11.76N:88.76W,h38km,99gkm,ML3.6, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include CSGN Cosiguina Volc, PAVA Las Pavas, BOQS Boqueron, CNGN Cerro Negro, CNCH Copaltepe, CEVE Cerro Verde, MOMM Momotombo, APYN Apoyeque, MGAN Managua, MATN Matagalpa.

NNC 27 14:17:01.2:0.8,44.68N:81.32E,h0km,mb2.6,mpv2.2, Error ellipse: s-maj=15.0km s-min=4.3km az=122.0, SOME 27 14:17:02.1,44.48N:81.50E,h10km, ISC 27 14:17:01.2:1.4,43.38N:0.09:81.8E:0.1,h30km,18km,n8, c082/14,3C-3D,Northern Xinjiang

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include DJR Jarkent, KAPS Kapalarasan, PDGK Podgorneye, SHLS Shalkode, UZB Uzynbulak, KPZK Kokpek, MAKZ Makanchi Array, MK31 Makanchi Array, MK31 Kurchatov Arr.

ISCJB 27 14:24:07.3:0.2,25.95N:0.04:126.38E:0.04,h76km,3km, mb4.0/28, Error ellipse: s-maj=8.0km s-min=3.0km az=141.3, NEIC 27 14:24:07.6:0.5,25.95N:126.42E,h63km,4km,mb4.3/9, Error ellipse: s-maj=6.9km s-min=4.5km az=135.0, JMA 27 14:24:08.4:0.1,25.91N:126.44E,h68km,2km,M3.8, IDC 27 14:24:08.9:2.2,25.96N:126.38E,h74km,21km,mb3.8/21, mb1 3.9/22,mb1mx3/2.69,mbtmp4.1/22,MS3/0, Ms1 3.0/3,ms1mx2.5/69,Error ellipse: s-maj=18.2km s-min=11.9km az=74.0, ISC 27 14:24:08.6:0.8,25.94N:0.06:126.40E:0.05,h72km,7km,n8, c098/94,mb4.1/28,Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include JKE Kume jima 2, JKE Aguni-jima, JAGN Tamagusuku3, JJKM Ikemajima, JOGS Guskubue, JMIJ Miyako jima 2, JIRB Irabujima, JINTH Nagatoyohara, JIHL Iheya, JOW Kunigami, JOW Kunigami, JOW Tarama, JOW Kunigami, JOW Tarama, JYRO Yoronjima, JYRO Ishigakijimahi, JISG Ishigakijimahi.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include JOKE Okinoerabujima, JIJU Ishigaki jima, YOJY Yonaguni jima, TAO Taipei, NACB Nanganchiao, YHNE Yeheng, YULB Yu-li, SSSLB Suanglung, TWB Pinlang, TPUB Ta-pu, JNU Nakatsue, JNU Nakatsue, JNU Nakatsue, KS15 Wonju Array Si, KSAR Wonju Array Be, KSRS Korea Array, INU Inuyama, MAJO Matsushiro, MJAR Matsushiro Arr, DAV Davao City (W), ASAJ Asahikawa, ASAJ Asahikawa, SONAO Songoing Array, SOMM Songoing Array, SBUM Sibonga, PETK Petropavlovsk, PEAT Petropavlovsk, H1S13 WAKE ISLAND Hy, H1S11 WAKE ISLAND Hy, H1S12 WAKE ISLAND Hy, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, FITZ Fitzroy Crossi, KURK Kurchatov, KURBB Kurchatov Arr, WR1 Warramunga Arr, WRA Warramunga Arr, BVAR Borovoye Array, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASO1 Alice Springs, ABKAR Abkarak array, ARU Arti, ARU Arti, GEYT Alibek, RND Reindeer, MDM Murphy Dome, ILAR Eielson Array, ILB Eielson Array, KBZ Khabaz, ARAD ARCES Array S, ARCES ARCES Array B, FIAO FINES Array S, FINES FINES Array B, AKASG Malin Array Be, BR101 Keskin Array S, BRTR Keskin Array B, HFS Hagfors, NOA NORSTAR Array B, YKA Yellowstone Arr, YKA Yellowstone Arr, EKA Eskdalemuir Arr.

DDA 27 14:31:56.0,39.11N:29.11E,h7km,M12.5, ISCJB 27 14:31:56.5:0.5,39.08N:0.04:29.09E:0.04,h8km,4km, Error ellipse: s-maj=3.8km s-min=4.5km az=167.2, ISK 27 14:31:56.3,39.09N:0.04:29.09E:0.03,h7km,ML2.1/4, ISC 27 14:31:56.3:1.0,39.10N:0.04:29.09E:0.03,h9km,7km, n14, c025/20, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include SMAA Simav-Kutahya, SIMA Simav-Kutahya, SHAP Saphane-Kutahya, DEMI Demirci, DEMI Gediz, KULA Kula-Manisa, DURS Dursunbey, MANT Manisa, AKHS Akhisar, IGDB Bursa, CAVI Cavuskey, BORA Eskisehir, AYBT Zeytinok-Aydi, SDBTS Yenitok-Cinarc.

ISCJB 27 14:36:34.5:0.8,12.26N:0.06:89.18W:0.04,h53km,4km, mb4.5/44,MS3.5/15, Error ellipse: s-maj=11.0km s-min=4.0km az=31.4, CASC 27 14:36:35.4:1.5,12.32N:89.19W,h43km,6km,ML3.9, mb4.6(NEIC), NEIC 27 14:36:36.3:0.9,12.47N:89.03W,h35km,mb4.6/38, Error ellipse: s-maj=15.7km s-min=7.7km az=196.0, IDC 27 14:36:40.4:2.3,12.95N:88.72W,h45km,19km,mb4.0/13, Error ellipse: s-maj=19.0km s-min=10.3km az=31.4, Ms1 3.0/15,ms1mx3/2.5/3,Error ellipse: s-maj=31.4km s-min=20.9km az=36.0, ISC 27 14:36:36.7:1.4,12.41N:0.08:89.09W:0.06,h46km,12km, n247, c19/09/239,mb4.5/43,MS3.5/15,5C,Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include LFAS El Faro.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC, h m s, ISC. Rows include TECA Tecapa, COLS Colinas, LACY Lacayo, SNET Serv Nac Estm T, VSM San Miguel, PAVA Las Pavas, PAVE comp=2.3um,0.4s, UUES San Salvador, UUES UUES, LBRS Las Brisas, BOQS Boqueron, LFU La Fuente, LCND La Ca-ada, LCND comp=2.3um,0.3s, CNCH Conchagua, CEVE Cerro Verde, CEVE comp=2.5um,0.4s, SBLS San Blas, SNJE San Jose, RTR El Retiro, CSGN Cosiguina Volc, CSGN Cosiguina Volc, MTO3 Montecristo, MTO3 MTO3, MTO3 comp=2.492nm,0.5s, CNGN Cerro Negro, LFU Tegucigalpa,Un, COPN Copaltepe, COPN comp=2.410nm,0.4s, MOMM Momotombo, MCOM Apoyeque, APYN Apoyeque, BRAN Las Pilas, ESTN Estel, MGAN Managua, APG El Apogoteo, APG comp=2.9,8nm,0.3s,baz=96,slow=22,SNR=6.7, MATN Matagalpa, BOAC BOAC BROADBA, BOAB BOAC BROADBA, JTS JuntasAbangare, JTS comp=2.3,7nm,0.3s,baz=98,slow=19,SNR=3.8, CMIG Matias Romero, CMIG comp=2.0,7nm,0.3s,baz=270,slow=20,SNR=1.9, LNIG Linares, ROSE El Rosal, ZAGI Zacatecas, 657A Interlachen, 341A Kuthwuchod, 456A Hilliard, SDD Santo Domingo, 435B Jarrell, 435B Jarrell, 254A Abbeville, 147A Livingston, 148A Greensboro, 149A Jones, 150A Ecolitic, 150A Opelika, JCT Junction City, JCT Junction City, Z44A Pea Ridge, Bel, Z49A Columbiana, Z50A Ashland, WHTX Lake Whitney, WHTX Lake Whitney, Y46A Houston, Z53A Monticello, Y47A UCPARC, Winfire, Y48A Jasper, Y49A Blount Mountain, TXAR Lajitas Array, TX31 Lajitas Ar. Si, X48A Hartselle, Y54A Tignall, ATAH Atahualpa, X50A Woodville, X50A Fort Payne, X40A Basin Creek Fa, ABTX Abilene, Hawle, MIAR Mount Ida, MIAR Mount Ida, UALR University of, X39A Fountain Ranch, W41B Gary, W50A Signal Mountai, WHAR Woolly Hollow, W40A Ferguson Farm, W40A Ferguson Farm, W51A Cleveland, W39A Magazine, W39A Magazine, W48A Smith Brothers, W47A Nunnery, W47A Cord, W49A McInnville.

Table with columns: ID, Name, Az, El, SNR, P, Az, El, SNR, P, Az, El, SNR, P. Includes stations like V41A Mountainview, V50A Pikeville, V40A Wits Springs, etc.

Table with columns: ID, Name, Az, El, SNR, P, Az, El, SNR, P, Az, El, SNR, P. Includes stations like L40A Anamosa, L40A Anamosa, L47A Sherwood, etc.

comp=Z,0.4nm,0.9s,baz=110,slow=3.5,SNR=8.8
CMAR Chiang Mai Arr 148.32 345 PKPbc PKPab 14 56 21.7 -0.3

ISCJB 27 15:01:17.9,0.5,38.71N,0.03:28.07E,0.04,h4km,6km,
Error ellipse: s-maj=5.5km s-min=4.0km az=142.2

Table with columns: Code, Station Name, Az, El, SNR, P, Phase ID, Time, Res. Includes stations like AKHS Akhisar, AKHS Akhisar, AKS Akhisar, etc.

ISCJB 27 15:02:53.8,0.9,19.15S,0.1:169.0E,0.1,h250km,mb4.6/6,
Error ellipse: s-maj=17.3km s-min=13.6km az=30.4

Table with columns: Code, Station Name, Az, El, SNR, P, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, HNR Honiara, etc.

IDC 27 15:18:53.9,10.0,21.61S:67.73E,h0km,mb3.8/6,
mb1 3.9/6,mb1mx3.5/70,mbtmp3.8/6, Error ellipse:
s-maj=335.4km s-min=27.4km az=51.0, Mid-Indian Ridge

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

DDA 27 15:20:08.1,37.33N:42.65E,h7km,ML2.6
ISK 27 15:20:08.3,37.34N:42.54E,h3km,ML2.5/3

Table with columns: Code, Station Name, Az, El, SNR, P, Phase ID, Time, Res. Includes stations like PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, etc.

IDC 27 15:23:01.8,1.4,16.38S:66.76E,h0km,mb3.7/6,
mb1 3.8/7,mb1mx3.5/72,mbtmp3.7/7,ML3.5/1,MS3.6/10,
Ms1 3.6/10,mb1mx3.2/64, Error ellipse: s-maj=40.7km
s-min=26.8km az=46.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, El, SNR, P, Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

27d 16h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, ASAR Alice Springs, etc.

ISCJB 27 15:33:11.8,0.8,27:39S:0'08.179:4W:0.1, h400km, mb3.5/6, Error ellipse: s-maj=15.9km s-min=11.1km az=166.4

IDC 27 15:33:12.6,0.8,27:57S:179'11W, h419km, 1.4km, mb3.1/6, mb1 3.4/8, mb1mx3.1/46, mbtmp4.1/8, Error ellipse: s-maj=32.1km s-min=17.6km az=159.0

ISC 27 15:33:12.7,0.8,27:55.0:1x179:3W:0.1, h400km, n11, r155/13, mb3.5/6, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, DZM Mont Dzumac, etc.

EAF 27 15:53:18.4e1.3, 25:198S:26:52E, h24km, 186km, MD3.6 BUL 27 15:53:18.3, 1.6, 26:22S:27.17E, h18km, 103km, MD3.6

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOSA Boshof, MATP Matopo, BLWY Bulawayo, etc.

IDC 27 16:00:44.4,0.4,27:09S:176:63W, h0km, mb4.6/24, mb1 4.7/24, mb1mx3.6/48, mbtmp4.6/24, MS4,0/36, MS1 4.0/36, ms1mx3.9/51, Error ellipse: s-maj=15.4km s-min=15.0km az=143.0

BUI 27 16:00:47.5,27:57S:176:70W, h33km, mb5.2/20, mb5.8/12, MS5.3/4, MS7.5/12

ISCJB 27 16:00:48.3,0.2,27:20S:0'06:176:75W:0.4, h35km, mb4.9/109, MS4.1/34, Error ellipse: s-maj=9.6km s-min=4.4km az=155.2

NEIC 27 16:00:53.1, 1.0, 27:20S:176:71W, h67km, 9km, mb4.9/93, Error ellipse: s-maj=6.9km s-min=4.2km az=157.0

ISC 27 16:00:49.0, 0.3, 27:22S:0'06:176:53W:0'07, h35km, n352, r180/329, mb5.0/108, MS4.0/35, 3D, Kermadec Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, BZK Black Stump Fm, etc.

2012 AUG

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TBI Tubuai, PAE Paea, PPT2 Papeete, etc.

1306

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSAR Wonju Array Si, KS01 Wonju Array Si, VES1 Vestal, etc.

27d 16h

Table with columns: WRA, comp, LR, 16 41 12.4, LR, 16 41 11.6, 17 00 23.9, 17 00 23.9, 17 00 24.0, 16 29 24.6 -1.3, 16 30 18.3 -1.5, 16 53 18.4, 16 33 21.6 -1.3, 16 34 17.9 +0.5, 16 35 00.1 +1.1, 16 35 37.2 +0.2, 16 35 58.6 +1.1, 16 36 12.3 -1.6

SKO 27 16:26:49.9, 41:39N-22:45E, h15km, M3.3, ML3.5
TIR 27 16:26:50.3, 41:46N-22:27E, h2km, M3.7/4
ATH 27 16:26:51.2, 41:35N-22:46E, h2km, 1km, ML3.5/5, Error
ellip: s-maj=2.3km s-min=0.9km az=164.0
PDG 27 16:26:51.0, 41:43N-22:45E, h12km, ML3.5/13, Error
ellip: s-maj=0.6km s-min=0.6km az=0.0
BEO 27 16:26:51.1, 41:03.3, 41:37N-22:42E, h3km, 1km, ML3.6/4, Error
THE 27 16:26:51.3, 41:37N-22:42E, h3km, 1km, ML3.6/4, Error
ellip: s-maj=1.5km s-min=0.4km az=181.0
IDC 27 16:26:52.1, 12:41:48N-22:55E, h0km, mb3.6/5,
mb1 3.7/11, mb1mx3.5/74, mbtmp3.6/11, ML3.6/4, MS3.0/1,
Ms1 3.0/1, ms1mx2.1/51, Error ellip: s-maj=15.8km
s-min=13.5km az=25.0

Peninsula

Table with columns: Code, Station Name, Delta, Az, Op, Phase ID, Time, Res, ISC. Lists various stations like VAV Valandovo, KNT Kendrikon, SOH Sokhos, etc.

2002 AUG

Table with columns: PUK, Puka, 2.00 290, P/N, Pn, 16 27 26.1 +0.4, 16 27 54.1 +0.9, 16 27 25.3 -1.2, 16 27 51.6 -0.8, 16 27 57.7 -1.6, 16 27 30.0 +1.1, 16 27 29.0 +0.6, 16 27 57.5 -1.3, 16 27 29.0 -0.7, 16 27 31.1 +0.5, 16 27 29.4 -1.2, 16 27 30.0 +0.6, 16 27 31.4 +0.4, 16 28 02.0 +1.4, 16 27 32.9 +1.1, 16 28 04.2 -1.8, 16 27 34.4 -1.5, 16 27 33.1 +0.2, 16 27 32.8 -0.1, 16 27 31.2 -1.8, 16 27 31.9 -1.1, 16 27 34.3 +1.1, 16 28 06.0 +0.9, 16 27 34.2 +1.1, 16 27 32.3 -0.3, 16 27 34.5 +0.9, 16 27 33.8 +0.3, 16 27 34.4 +0.9, 16 27 32.0 +1.0, 16 27 32.2 -1.4, 16 27 31.4 -2.4, 16 27 32.8 -1.0, 16 27 33.9 -0.1, 16 27 34.4 +0.9, 16 28 07.4 +1.5, 16 27 35.4 +1.3, 16 27 35.1 -0.9, 16 27 35.2 -0.8, 16 27 35.4 +1.0, 16 28 12.1 +1.8, 16 27 37.2 +0.8, 16 27 35.5 -0.9, 16 27 36.0 -0.4, 16 27 35.7 -0.8, 16 27 37.7 +0.6, 16 27 37.1 -0.0, 16 27 38.4 +1.0, 16 28 13.5 +1.5, 16 27 38.9 +1.4, 16 28 13.2 +1.7, 16 27 38.4 -0.2, 16 28 14.9 +1.3, 16 27 39.5 +1.2, 16 28 15.2 +1.5, 16 28 15.7 +1.0, 16 28 15.8 +1.0, 16 27 38.7 -0.6, 16 27 39.7 +0.4, 16 27 39.2 -0.2, 16 27 38.7 -0.2, 16 27 38.8 -0.8, 16 27 39.6 -0.3, 16 27 37.7 -2.5, 16 27 41.6 +0.7, 16 28 19.6 +1.3, 16 27 42.1 +0.1, 16 27 42.8 +0.9, 16 28 20.9 +0.9, 16 27 43.0 +1.2, 16 27 42.5 +0.7, 16 27 43.8 +1.9, 16 27 43.7 +0.7, 16 27 42.1 -0.6, 16 28 19.6 -1.9, 16 27 41.7 -1.0, 16 27 43.8 +0.8, 16 28 23.2 +1.2, 16 27 44.7 +1.6, 16 27 43.5 -0.1, 16 27 44.5 +0.9, 16 27 42.9 -0.8, 16 27 42.5 -1.4, 16 27 45.4 +0.5, 16 27 45.6 +0.5, 16 27 43.9 -1.3, 16 27 47.3 +1.8, 16 27 47.9 -0.4, 16 27 44.9 -1.1, 16 27 48.4 -0.8, 16 27 48.1 -1.1, 16 27 49.2 +0.8, 16 27 51.2 +0.8, 16 27 51.3 +0.8, 16 27 50.7 +0.3, 16 27 53.2 +2.4, 16 27 53.7 +2.1, 16 27 51.1 +0.9, 16 27 54.1 +2.4, 16 27 52.0 -0.4, 16 27 55.9 +2.5, 16 27 55.6 +0.9, 16 27 55.3 -0.2, 16 27 53.5 -2.6, 16 27 58.9 +2.8, 16 27 54.7 -2.0, 16 27 54.7 -2.0, 16 27 59.1 +2.4, 16 27 37.9 +0.9, 16 28 01.6 +2.8, 16 28 02.0 +1.2, 16 27 59.4 -0.2, 16 27 59.0 -1.4, 16 28 04.3 +0.3, 16 28 04.5 -0.2, 16 29 01.7 +0.9, 16 29 25.2, 16 28 04.6 0.0, 16 28 09.0 +2.9, 16 28 09.4 +2.7, 16 28 02.0 +3.2, 16 28 07.2 -0.4, 16 28 08.8 +0.7, 16 28 08.5 +0.4, 16 28 11.4 +3.3, 16 28 09.8 +0.1, 16 28 09.3 +0.1, 16 28 11.3 -1.1, 16 28 13.0 +0.5, 16 28 12.3 -0.8, 16 28 13.5 -0.7, 16 28 13.2 -1.0, 16 28 15.8 -0.3, 16 28 15.8 +0.3, 16 28 20.2 +2.4, 16 28 21.7 +1.0, 16 28 25.6 -0.1, 16 28 26.8 +0.6, 16 28 28.5 +0.5, 16 28 31.1 +0.9, 16 28 31.8 +2.5, 16 28 31.8 +2.5, 16 28 29.9 -0.5, 16 28 29.3 -1.3, 16 28 29.3 -1.3, 16 28 30.5 -0.6, 16 28 36.7 +1.8, 16 28 37.9 +0.2, 16 28 40.5 +0.4, 16 28 58.4 -6.2, 16 29 00.8 -1.0, 16 28 40.8 -0.9, 16 28 42.1 -1.0

1308

Table with columns: ARSA, MODS, MYKA, KBA, MOA, BRTR, GERES, META, FETA, DAVOX, DAVOX, FINES, NOA, BVAR, MKAR, ZALV. Lists various stations and their coordinates.

ISCJB 27 16:28:37.6, 0.3, 44:55N, 0.01x6:79E, 0.02, h1km, 2km,
Error ellip: s-maj=3.0km s-min=2.1km az=162.7
ROM 27 16:28:38.0, 0.4, 44:55N, 0.008x6:84E, 0.02, h10km, 2km,
ML2, 0/0
GEN 27 16:28:38.1, 44:56N, 6:84E, h2km, 1km, ML1.8
STR 27 16:28:38.0, 0.4, 45:1N, 6:33E, h5km, M2, 1/6, ML2, 2, 1/6
LDG 27 16:28:38.0, 0.1, 44:57N, 6:83E, h2km, M2, 5/4, M2, 6/8,
Error ellip: s-maj=1.2km s-min=0.8km az=72.0
ISC 27 16:28:38.1, 0.8, 44:56N, 0.02x6:84E, 0.02, h1km, 6km,
n97, 0:64/72, France

Table with columns: Code, Station Name, Delta, Az, Op, Phase ID, Time, Res, ISC. Lists various stations like SURF Saint Ours, MBDF Montbardon, OGAG Argentiere, etc.

Table with columns: WRA, ASAR, MKAR, Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes Warramunga Arr, Alice Springs, Matkanchi Arr.

ISCJB 27 17:09:25.1+0.7, 11.778N:0.07:88.38W:0.05, h33km, mb4.1/13, MS3.1/2, Error ellipse: s-maj=10.5km

CASC 27 17:09:25.4+2.0, 11.777N:88.40W, h38km, 999km, ML3.9, mb4.3(NEIC)

IDC 27 17:09:26.1+1.1, 13.05N:87.09W, h0km, mb3.8/5, mb1.4/0.8, mb1mx3.751, mbtmp3.8/8, ML3.4/3, MS3.2/2, Ms1.3/2.2, ms1mx2.6/47, Error ellipse: s-maj=47.9km

NEIC 27 17:09:28.3+0.8, 12.17N:88.11W, h35km, mb4.3/6, Error ellipse: s-maj=30.2km s-min=11.4km az=52.0

ISC 27 17:09:25.4+0.9, 11.93N:0.07:88.42W:0.05, h33km, n37, z533/34, mb4.2/13, Off coast of central America

Main table listing stations like Cosiguina Volc, Conchagua, La Ca'ada, Cerro Negro, El Faro, Copaltepe, Managua, Las Pavas, etc.

ISCJB 27 17:14:08.7+0.5, 33.06N:103.115:58W:0.04, h8km, 5km, Error ellipse: s-maj=5.1km s-min=4.5km az=16.6

NEIC 27 17:14:09.8+0.0, 32.93N:115.61W, h8km, ML2.8(PAS), After PAS

ECX 27 17:14:11.4+0.7, 32.98N:115.61W, h8km, MD2.6, ML2.8

ISC 27 17:14:10.1+0.3, 32.97N:103.115:50W:0.03, h16km, 7km, n27, z1967/31, 2D, California-Baja California border

Table listing stations like Sam W. Stewart, Desert Rsrch C, Westside Schoo, In-Ko-Pah, La Rumorosa, Cerro Prieto, etc.

ISCJB 27 17:17:30.3+0.5, 11.91N:0.05:88.24W:0.04, h10km, mb4.4/21, MS3.5/9, Error ellipse: s-maj=8.1km

CASC 27 17:17:32.3+3.2, 11.99N:88.15W, h6km, 13km, MD4.3, ML3.7, mb4.6(NEIC)

IDC 27 17:17:32.3+1.2, 12.52N:87.80W, h0km, mb4.2/9, mb1.4/5.1, mb1mx4.0/51, mbtmp4.2/11, ML3.4/3, MS3.5/9, Ms1.3/5.9, ms1mx3.1/53, Error ellipse: s-maj=35.8km

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

Table listing stations like Cosiguina Volc, La Ca'ada, Lacayo, Cerro Negro, Copaltepe, Momotombo, El Faro, Las Pavas, Managua, Las Brisas, Fuelle, Serv Nac Est T, Boqueron, Estel, Cerro Verde, San Blas, etc.

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

ISC 27 17:17:31.0+2.0, 12.02N:0.06:88.16W:0.05, h6km, 12km, n61, z194/66, mb4.5/21, MS3.5/9, Off coast of central America

Table listing stations like Alice Springs, Mankchi Array, Kurbs, ZALV, BVAR, FINES, etc.

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

ISC 27 17:17:46.5+6.2, 6.86N:83.32W, h4km, 6km, MD4.0, 1C, Costa Rica

27d 20h

Table with columns: JTS, JuntasAbangare, 145.56, 66, PKPbc, PKPdf, 18 14 02.2 +0.5

ISCJB 27 18:05:57.9-0.3, 32.96N-107.03E-115.55W-0.02, h23km, 3km, Error ellipse: s-maj=4.9km s-min=3.0km az=162.4

NEIC 27 18:05:58.3-0.0, 32.96N-115.56W, h12km, ML2.9(PAS), After PAS

ECX 27 18:05:59.0-0.4, 32.99N-115.58W, h10km, MD2.7, ML2.9

ISC 27 18:05:58.0-1.0, 32.97N-102.115-56W-0.02, h18km, 3km, n50, c083/63, 6C-9D, California-Baja California border region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

ISC 27 18:11:1.1-1.9, 13.48N-87.74W, h0km, mb3.5/2, mb1 3.8/4, mb1mx3.4/5, mbmtmp3.4/4, ML2.9/2, Error ellipse: s-maj=93.1km s-min=28.8km az=44.0, Honduras

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

ISC 27 18:27:13.9-1.6, 12.79N-88.95W, h0km, mb4.2/11, mb1 4.5/13, mb1mx4.1/52, mbmtmp4.2/13, ML3.2/2, Ms1 3.2/2, ms1mx3.8/55, Error ellipse: s-maj=38.7km s-min=25.4km az=33.0

CASC 27 18:27:16.7-1.7, 12.53N-89.53W, h20km, 14km, ML4.1, mb4.5(NEIC)

ISCJB 27 18:27:18.9-0.6, 12.66N-89.40W-0.05, h55km, mb4.4/25, MS3.3/1, Error ellipse: s-maj=11.2km s-min=4.7km az=32.5

NEIC 27 18:27:20.1-0.8, 12.86N-89.24W, h35km, mb4.5/16, Error ellipse: s-maj=21.2km s-min=8.5km az=222.0

ISC 27 18:27:21.1-0.9, 12.77N-0.1-89.36W-0.07, h55km, n51, c143/53, mb4.4/25, Off coast of central America

2012 AUG

Table with columns: BOQS, Boqueron, 1.03, 4, eP, Pn, 18 27 38.6 -1.1

ISCJB 27 18:05:57.9-0.3, 32.96N-107.03E-115.55W-0.02, h23km, 3km, Error ellipse: s-maj=4.9km s-min=3.0km az=162.4

NEIC 27 18:05:58.3-0.0, 32.96N-115.56W, h12km, ML2.9(PAS), After PAS

ECX 27 18:05:59.0-0.4, 32.99N-115.58W, h10km, MD2.7, ML2.9

ISC 27 18:05:58.0-1.0, 32.97N-102.115-56W-0.02, h18km, 3km, n50, c083/63, 6C-9D, California-Baja California border region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

ISC 27 18:31:05.7-5.2, 10.58N-89.87W, h0km, mb3.8/3, mb1 4.0/5, mb1mx3.7/51, mbmtmp3.7/5, ML3.2/2, Error ellipse: s-maj=115.0km s-min=33.3km az=29.0, Off coast of central America

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

ISC 27 18:44:38.8-0.7, 12.40N-89.06W, h10km, 8km, ML3.6, mb4.0(NEIC)

ISC 27 18:44:39.9-1.5, 13.32N-88.35W, h0km, mb3.8/4, mb1 4.0/6, mb1mx3.6/53, mbmtmp3.7/6, ML3.0/3, MS3.2/2,

Ms1 3.2/2, ms1mx2.7/52, Error ellipse: s-maj=65.1km s-min=21.6km az=43.0

NEIC 27 18:44:41.5-0.8, 13.31N-88.35W, h10km, mb4.0/2, Error ellipse: s-maj=31.4km s-min=12.9km az=47.0

1314

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

ISCJB 27 19:03:09.9-0.7, 3.86N-102.08E-127.17E-0.09, h36km, mb3.7/7, MS3.6/1, Error ellipse: s-maj=13.5km s-min=10.1km az=144.7

DJA 27 19:03:10.0-0.2, 4.7N-17.17E, h14km, 34km, M3.8/6, mb4.4/7, mb1mx3.7/2, ML3.9/6, Mw(MB)3.5/1

ISC 27 19:03:16.3-4.6, 3.72N-127.34E, h84km, 48km, mb3.5/7, mb1 3.8/8, mb1mx3.3/65, mbmtmp3.8/8, ML3.7/1, MS3.6/1, Ms1 3.6/1, ms1mx2.6/40, Error ellipse: s-maj=51.6km s-min=18.6km az=69.0

ISC 27 19:03:11.2-0.9, 3.8N-0.1-127.2E-0.1, h36km, n16, c272/14, mb3.5/7, Talaud Islands

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

DJA 27 19:39:43.7-0.3, 0.54S-12.5E, h10km, M3.9/9, mb4.4/3, ML3.7/9, Southern Molucca

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

ISC 27 19:51:00.3-0.9, 50.05N-157.04E, h85km, 14km, ML3.7, Kuril Islands

ISC 27 20:01:41.8-3.3, 30.31S-177.50W, h0km, mb4.0/2, mb1 4.2/3, mb1mx3.7/50, mbmtmp3.9/3, ML3.4/1, Error ellipse: s-maj=70.3km s-min=26.5km az=102.0, Kermadec Islands

Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC

V40A	Witts Springs	24.05	352	P	P	21 18 39.9	-0.4
TKL	Tuckaleechee C	24.07	10	P	P	21 18 39.6	-0.8
TKL	comp=Z,47nm,0.9s,baz=186,slow=12,SNR=18				LR	21 29 23.3	
KMSC	Kings Mountain	24.09	15	eP	P	21 18 40.9	+0.2
KMSC	Kings Mountain	24.09	15	P	P	21 18 39.9	-0.8
V39A	Pettigrew	24.20	350	P	P	21 18 40.6	-1.2
V53A	Saluda	24.26	12	eP	P	21 18 42.7	+0.4
V53A	Saluda	24.26	12	P	P	21 18 41.6	-0.7
V52A	Sevierville	24.27	10	eP	P	21 18 43.1	+0.7
V52A	Sevierville	24.27	10	P	P	21 18 41.4	-1.0
U46A	Springville	24.33	1	P	P	21 18 41.8	-1.1
U42A	Reverend	24.41	355	P	P	21 18 42.4	-1.2
WMOK	Wichita Mounta	24.45	340	eP	P	21 18 42.2	-1.8
WMOK	Wichita Mounta	24.45	340	P	P	21 18 42.3	-1.7
U47A	Clarksville	24.45	3	P	P	21 18 41.8	-2.1
U41A	Viola	24.47	354	P	P	21 18 42.8	-1.4
U48A	Cassie Pea, Po	24.56	4	P	P	21 18 43.5	-1.5
U40A	Yellville	24.59	352	P	P	21 18 45.1	-0.2
U49A	Red Boiling Sp	24.63	6	P	P	21 18 43.9	-1.8
U50A	Jamestown	24.64	8	P	P	21 18 44.1	-1.6
HHAR	Hobbs	24.68	350	eP	P	21 18 46.5	+0.4
TUL1	Leonard	24.69	346	eP	P	21 18 45.3	-0.9
TUL1	Leonard	24.69	346	P	P	21 18 44.8	-1.4
U39A	Green Forest	24.71	351	P	P	21 18 45.1	-1.2
U51A	La Follette	24.73	9	P	P	21 18 46.0	-0.5
PBMO	Poplar Bluff	24.79	357	eP	P	21 18 46.1	-0.9
U52A	Thorn Hill	24.85	11	P	P	21 18 47.2	-0.4
MNTX	Cornudas Mount	24.90	325	eP	P	21 18 47.3	-0.8
MNTX	Cornudas Mount	24.90	325	P	P	21 18 47.6	-0.6
TZTN	Tazewell	24.97	10	eP	P	21 18 47.7	-1.0
TZTN	Tazewell	24.97	10	P	P	21 18 47.6	-1.0
U53A	Shall Branch	24.98	12	P	P	21 18 48.2	-0.5
T47A	Sharon Grove	25.00	3	eP	P	21 18 48.1	-0.9
T47A	Sharon Grove	25.00	3	P	P	21 18 47.5	-1.5
T46A	Princeton	25.02	2	P	P	21 18 48.1	-1.1
T44A	Benton	25.06	359	P	P	21 18 48.3	-1.1
T42A	Van Buren	25.08	356	eP	P	21 18 48.8	-0.9
T42A	Van Buren	25.08	356	P	P	21 18 48.2	-1.4
T43A	Greenville	25.08	357	P	P	21 18 48.4	-1.3
T41A	Mountain View	25.15	354	P	P	21 18 49.2	-1.1
T49A	Edmonton	25.24	6	P	P	21 18 49.7	-1.5
T51A	Gray	25.32	9	P	P	21 18 51.0	-0.8
T39A	Clever	25.32	351	P	P	21 18 51.2	-0.7
T40A	Mansfield	25.33	353	P	P	21 18 50.4	-1.5
MSTX	Muleshoe	25.36	332	P	P	21 18 51.1	-1.3
T38A	Diamond	25.48	350	P	P	21 18 51.9	-1.4
S43A	Fulton Ridge,	25.56	358	P	P	21 18 52.4	-1.6
S44A	Carbondale	25.66	359	P	P	21 18 53.8	-1.1
AMTX	Amarillo	25.66	335	eP	P	21 18 54.4	-0.7
AMTX	Amarillo	25.66	335	P	P	21 18 54.4	-0.7
SIUC	Southern Illin	25.68	359	eP	P	21 18 54.0	-1.0
S41A	Jilco Farms,	25.68	355	P	P	21 18 53.7	-1.4
S40A	Lebanon	25.77	353	P	P	21 18 54.7	-1.2
S42A	Caledonia	25.79	356	P	P	21 18 54.5	-1.6
S49A	Springfield	25.94	6	P	P	21 18 56.3	-1.2
S39A	Bolivar	25.97	352	eP	P	21 18 56.8	-1.0
S39A	Bolivar	25.97	352	P	P	21 18 56.5	-1.2
S38A	Stockton	26.00	351	P	P	21 18 56.4	-1.5
S51A	Beattyville	26.03	10	P	P	21 18 56.8	-1.5
CCM	Cathedral Cave	26.11	356	eP	P	21 18 58.5	-0.5
CCM	Cathedral Cave	26.11	356	P	P	21 22 26.9	+0.8
R44A	Waltonville	26.21	360	P	P	21 18 59.1	-0.8
R43A	Red Bud	26.26	358	P	P	21 18 59.1	-1.3
R45A	Skyler, Fairri	26.26	1	P	P	21 18 58.8	-1.5
WC1	Wyandotte Cave	26.29	5	P	P	21 18 58.9	-1.7
R42A	Luebbinger	26.30	357	P	P	21 18 59.2	-1.5
R41A	Rosebud	26.36	355	P	P	21 18 59.9	-1.3
R40A	Maddies Statio	26.43	354	eP	P	21 19 01.0	-0.9
R40A	Maddies Statio	26.43	354	P	P	21 19 00.1	-1.8
R49A	Shelbyville	26.46	6	P	P	21 19 00.3	-1.8
R38A	Fenwick Farm,	26.54	351	P	P	21 19 01.7	-1.2
R39A	Chumby, Stover	26.54	353	P	P	21 19 01.4	-1.5
R50A	Paris	26.55	8	P	P	21 19 01.8	-1.2
R51A	Hillsboro	26.68	9	P	P	21 19 02.9	-1.2
Q45A	Warren Harvey,	26.86	1	P	P	21 19 04.2	-1.6
Q44A	Meyer Farm, Va	26.87	360	P	P	21 19 04.7	-1.1
121A	Cookes Peak, D	26.90	323	P	P	21 19 06.6	+0.1
Q42A	Golden Eagle	26.92	357	P	P	21 19 04.7	-1.5
Q47A	Bedord North L	26.98	4	P	P	21 19 05.1	-1.8
Q41A	Truxton	27.00	356	P	P	21 19 05.7	-1.3
319A	Douglas	27.04	319	eP	P	21 19 09.7	+2.1
Q40A	Laux Farm, AUX	27.11	354	P	P	21 19 06.3	-1.7
Q49A	Aurora	27.19	7	P	P	21 19 07.7	-1.1
Q38A	Cooks Store, C	27.26	352	P	P	21 19 07.5	-1.8

Q39A	Willow Grove F	27.26	353	P	P	21 19 07.2	-2.1
Q51A	Peebles	27.43	9	P	P	21 19 09.8	-1.0
BNM	Barren Site	27.43	327	eP	P	21 19 12.4	+1.1
P47A	Martinsville	27.54	4	P	P	21 19 09.9	-1.9
Q52A	Bidwell	27.55	11	P	P	21 19 11.2	-0.7
P42A	Winchester	27.58	357	P	P	21 19 10.7	-1.5
P46A	Rosedale	27.62	3	P	P	21 19 11.4	-1.1
LENM	Lemitar	27.63	326	eP	P	21 19 11.5	-1.5
P40A	Paris	27.64	355	eP	P	21 19 11.8	-0.9
P40A	Paris	27.64	355	P	P	21 19 10.9	-1.8
P39B	Salisbury	27.67	353	P	P	21 19 11.5	-1.5
P41A	Barry, Barry	27.71	356	P	P	21 19 11.8	-1.5
P38A	Dawn	27.90	352	eP	P	21 19 14.4	-0.6
P38A	Dawn	27.90	352	P	P	21 19 13.7	-1.4
P51A	Williamsport	27.92	10	P	P	21 19 14.0	-1.3
KSU1	Kansas State U	27.93	347	eP	P	21 19 14.0	-1.4
KSU1	Kansas State U	27.93	347	P	P	21 19 13.8	-1.6
TASL	Snake Pit, Alb	27.95	328	P	P	21 19 15.8	-0.1
ANMO	Albuquerque	27.95	328	P	P	21 19 16.2	+0.3
ANMO	Albuquerque	27.95	328	P	P	21 19 15.7	-0.2
TASM	ASL, Pad, Albuq	27.95	328	P	P	21 19 15.7	-0.2
P37A	Lathrop	27.98	351	P	P	21 19 14.1	-1.8
O44A	Mansfield	28.11	1	P	P	21 19 15.5	-1.5
O41A	Passleys Farm,	28.14	357	P	P	21 19 15.6	-1.5
O40A	La Belle	28.21	355	P	P	21 19 16.2	-1.7
O45A	Potomac	28.23	2	P	P	21 19 16.1	-1.9
P52A	Corning	28.23	11	P	P	21 19 16.0	-2.0
P53A	Whipple	28.23	12	P	P	21 19 17.1	-1.0
O47A	Sheridan	28.29	4	P	P	21 19 16.6	-2.0
SFIN	Lafayette	28.38	3	P	P	21 19 17.5	-1.8
O48A	Farmland	28.40	6	P	P	21 19 17.7	-1.9
O39A	Kirksville	28.41	354	P	P	21 19 18.0	-1.5
O49A	Covington	28.43	7	P	P	21 19 18.1	-1.7
O50A	Cable	28.48	8	P	P	21 19 18.8	-1.5
CBKS	Cedar Bluff	28.48	342	eP	P	21 19 19.6	-0.7
CBKS	Cedar Bluff	28.48	342	P	P	21 19 18.7	-1.6
O37A	Wolfen Farm, M	28.52	351	P	P	21 19 18.9	-1.7
TUC	Tucson	28.61	319	eP	P	21 19 22.5	+0.8
TUC	Tucson	28.61	319	P	P	21 19 22.6	+0.9
O51A	Pataskala	28.64	10	P	P	21 19 19.8	-1.9
ACSO	Alum Creek Sta	28.66	9	eP	P	21 19 20.7	-1.1
ACSO	Alum Creek Sta	28.66	9	P	P	21 19 20.7	-1.1
N41A	Harden Midland	28.72	357	eP	P	21 19 21.0	-1.4
N41A	Harden Midland	28.72	357	P	P	21 19 20.6	-1.8
T25A	Trinidad	28.74	333	eP	P	21 19 23.6	+0.7
T25A	Trinidad	28.74	333	P	P	21 19 21.8	-1.1
O52A	Adamsville	28.75	11	P	P	21 19 21.7	-0.9
N42A	Yates City	28.81	358	P	P	21 19 21.5	-1.6
N43A	Stutzman Famil	28.89	359	P	P	21 19 22.5	-1.5
N46A	Monticello	28.91	3	P	P	21 19 22.4	-1.7
N40A	Mertquake, Sal	28.95	356	P	P	21 19 22.5	-1.8
N39A	Derby Farms, D	29.02	354	eP	P	21 19 24.1	-0.9
N39A	Derby Farms, D	29.02	354	P	P	21 19 23.3	-1.7
N37A	Lee Farris, Mou	29.11	352	P	P	21 19 24.0	-1.8
N50A	Nevada	29.16	9	P	P	21 19 24.8	-1.5
N36A	Muff Farm, Cla	29.28	350	P	P	21 19 26.1	-1.2
M41A	Milan	29.37	357	P	P	21 19 26.6	-1.5
M43A	Waltham Townsh	29.40	360	P	P	21 19 27.7	-1.6
M40A	Post Highland	29.46	356	P	P	21 19 27.5	-1.4
M39A	Webster	29.58	355	P	P	21 19 28.6	-1.4
M38A	Pleasantville	29.62	353	P	P	21 19 28.4	-2.0
KSCO	Kaya Shedlock'	29.63	338	P	P	21 19 30.0	-0.7
214A	Organ Pipe Nat	29.74	316	P	P	21 19 32.9	+1.3
M50A	Fremont	29.80	9	P	P	21 19 30.6	-1.3
M36A	Felix, Anita	29.88	351	P	P	21 19 31.0	-1.6
W18A	Petrified Fore	29.88	324	P	P	21 19 33	

27d 21h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like G40A Rib Lake, G39A Holcombe, GMRC Granite Mount, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like PKME Peaks-Kenny Pk, OMMB Old Mammoth Mt, NV01 Mina Array St, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like INK comp=Z,14nm,1.0s, INUVIK, INK comp=Z,6.4nm,0.9s, etc.

ISCJB 27.1:14.5:4.1.5.33:22S:0:07:70:51W:0:07:h95km:10km, Error ellipse: s-maj=12.4km s-min=10.1km az=166.6

27d 22h

Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like TGUH, XAVN, MGAN, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like Z41A, Z40A, 156A, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes call signs like WVT, V51A, V39A, etc.

Q48A	North Vernon	26.67	5	P	P	22 13 12.2	-1.9
Q40A	Laux Farm, Aux	26.76	354	P	P	22 13 13.6	-1.3
319A	Douglas	26.79	318	eP	P	22 13 18.8	+3.3
Q49A	Aurora	26.83	3	P	P	22 13 13.9	-1.7
NNA	Nana	26.88	153	LR	LR	22 22 02.6	
Q39A	Willow Grove F	26.91	353	P	P	22 13 15.0	-1.3
Q38A	Cooks Store, C	26.91	352	P	P	22 13 15.1	-1.2
Q51A	Peebles	27.07	9	P	P	22 13 16.6	-1.2
P44A	Sand Creek, Wi	27.07	0	P	P	22 13 16.3	-1.4
P45A	Graceand, Par	27.15	2	P	P	22 13 16.9	-1.6
BNM	Barren Site	27.15	326	eP	P	22 13 20.0	+1.1
P47A	Martinsville	27.18	4	P	P	22 13 16.9	-1.8
Q52A	Bidwell	27.19	11	P	P	22 13 17.1	-1.7
P48A	Milroy	27.23	6	P	P	22 13 17.1	-2.1
P46A	Rosedale	27.26	3	P	P	22 13 17.3	-2.1
P40A	Paris	27.29	355	eP	P	22 13 18.5	-1.2
P40A	Paris	27.29	355	eP	P	22 13 18.3	-1.4
P39B	Salisbury	27.32	353	P	P	22 13 18.4	-1.6
P41A	Barry, Barry	27.35	356	P	P	22 13 18.6	-1.7
LENM	Lemitar	27.36	326	eP	P	22 13 22.3	+1.7
P49A	Miami Univ. Ec	27.37	7	P	P	22 13 18.5	-2.0
P38A	Dawn	27.55	352	eP	P	22 13 20.1	-1.9
P38A	Dawn	27.55	352	eP	P	22 13 20.8	-1.3
P51A	Williamsport	27.56	10	P	P	22 13 20.5	-1.6
KSU1	Kansas State U	27.59	347	eP	P	22 13 21.4	-1.0
KSU1	Kansas State U	27.59	347	eP	P	22 13 21.1	-1.4
LAZ	Ladron	27.62	326	eP	P	22 13 24.7	+1.7
P37A	Lathrop	27.63	351	P	P	22 13 21.2	-1.6
O44A	Mansfield	27.75	1	P	P	22 13 22.6	-1.4
O41A	Passleys Farm,	27.78	357	P	P	22 13 22.9	-1.2
O40A	La Belle	27.86	355	P	P	22 13 23.6	-1.2
O45A	Potomac	27.87	2	P	P	22 13 23.0	-1.8
P52A	Corning	27.87	11	P	P	22 13 23.6	-1.4
P53A	Whipple	27.87	12	P	P	22 13 23.6	-1.4
O47A	Sheridan	27.93	4	P	P	22 13 23.1	-2.4
SF1N	Lafayette	28.02	3	eP	P	22 13 24.7	-1.6
SF1N	Lafayette	28.02	3	eP	P	22 13 24.0	-2.2
O38A	Galt	28.03	352	P	P	22 13 24.7	-1.7
O49A	Covington	28.07	7	P	P	22 13 24.3	-2.4
O50A	Cable	28.12	8	P	P	22 13 25.4	-1.9
CBK5	Cedar Bluff	28.15	342	eP	P	22 13 27.2	-0.3
CBK5	Cedar Bluff	28.15	342	eP	P	22 13 26.8	-0.7
O37A	Wolverine Farm, M	28.17	351	P	P	22 13 26.0	-1.6
O51A	Pataskala	28.28	10	P	P	22 13 27.1	-1.5
ACSO	Alum Creek Sta	28.30	9	eP	P	22 13 27.4	-1.4
ACSO	Alum Creek Sta	28.30	9	eP	P	22 13 27.2	-1.6
N41A	Harden Midland	28.37	357	eP	P	22 13 28.0	-1.3
N41A	Harden Midland	28.37	357	eP	P	22 13 27.6	-1.7
O52A	Adamsville	28.39	11	P	P	22 13 28.1	-1.4
N44A	Piper City	28.40	1	P	P	22 13 27.6	-2.1
T25A	Trinidad	28.44	333	eP	P	22 13 31.2	+0.9
T25A	Trinidad	28.44	333	eP	P	22 13 30.3	0.0
N45A	Kentland	28.47	2	P	P	22 13 28.1	-2.2
N43A	Stutzman Famil	28.54	359	P	P	22 13 29.3	-1.6
N46A	Monticello	28.55	3	P	P	22 13 28.9	-2.1
N40A	Mertquake, Sal	28.59	356	P	P	22 13 29.6	-1.7
N38A	Joess South For	28.66	353	P	P	22 13 30.6	-1.4
N39A	Derby Farms, D	28.66	354	eP	P	22 13 30.9	-1.1
N39A	Derby Farms, D	28.66	354	eP	P	22 13 30.6	-1.4
N37A	Lee Faris, Mou	28.76	351	P	P	22 13 31.7	-1.2
N50A	Nevada	28.80	9	P	P	22 13 31.7	-1.6
N36A	Muff Farm, Cla	28.93	350	P	P	22 13 32.8	-1.5
M41A	Milan	29.02	357	P	P	22 13 33.6	-1.5
M43A	Waltham Townsh	29.04	360	P	P	22 13 33.6	-1.7
M40A	Post Highland	29.10	356	P	P	22 13 34.7	-1.2
M39A	Webster	29.23	355	P	P	22 13 35.6	-1.4
M38A	Pleasantville	29.27	353	P	P	22 13 35.9	-1.5
M48A	Edgerton	29.30	6	P	P	22 13 35.5	-2.1
KSC0	Kaye Shedlock'	29.31	338	P	P	22 13 37.1	-0.9
SDCO	Great Sand Dun	29.43	332	eP	P	22 13 39.4	+0.2
M50A	Fremont	29.44	9	P	P	22 13 37.0	-1.8
M36A	Felix, Anita	29.53	351	P	P	22 13 37.6	-2.1
N54A	Moraine State	29.59	14	P	P	22 13 38.1	-2.2
L42A	Oliver, Polo	29.61	359	eP	P	22 13 39.0	-1.4
L41A	Preston	29.71	357	P	P	22 13 39.4	-1.9
L40A	Anamosa	29.74	356	eP	P	22 13 40.0	-0.9
L40A	Anamosa	29.74	356	eP	P	22 13 40.2	-1.3
L47A	Sherwood	29.74	5	P	P	22 13 39.0	-2.6
SCIA	State Center	29.76	353	eP	P	22 13 40.0	-1.7
L43A	Garden Prairie	29.78	0	P	P	22 13 40.0	-2.0
L48A	N Adams	29.79	7	P	P	22 13 40.3	-1.7
L39A	Vinton	29.85	355	P	P	22 13 41.1	-1.5
L38A	Oak Wood Farm,	29.96	354	P	P	22 13 42.1	-1.4
L49A	Milan	30.03	7	P	P	22 13 42.1	-2.0
L37A	Phoenix Point,	30.04	353	P	P	22 13 42.5	-1.6
S22A	4UR Ranch, Cre	30.04	331	eP	P	22 13 45.9	+1.2

S22A	4UR Ranch, Cre	30.04	331	P	P	22 13 43.0	-1.7
L36A	Harm Buss Farm	30.14	351	P	P	22 13 43.6	-1.4
BGNE	Belgrade	30.14	346	P	P	22 13 43.9	-1.3
X16A	Lo Mia Camp, P	30.15	321	eP	P	22 13 50.4	+4.8
K40A	Colesburg	30.37	357	P	P	22 13 45.2	-1.9
K39A	Oelwein	30.42	355	P	P	22 13 46.0	-1.6
K38A	Parsonsburg	30.44	354	eP	P	22 13 46.5	-1.2
K38A	Parkersburg	30.44	354	P	P	22 13 46.2	-1.6
JFWS	Jewell Farm	30.54	358	eP	P	22 13 47.8	-0.8
JFWS	Jewell Farm	30.54	358	eP	P	22 13 47.1	-1.5
K37A	Belmond	30.66	353	P	P	22 13 47.8	-1.8
J42A	Columbus	30.92	360	P	P	22 13 50.1	-1.9
J43A	Natural Harves	30.98	1	P	P	22 13 50.6	-1.9
J41A	Loganville	30.98	358	P	P	22 13 50.9	-1.7
J39A	Decorah	31.04	356	P	P	22 13 51.0	-2.0
J40A	Solders Grove	31.04	357	P	P	22 13 51.1	-2.0
J38A	Weed Dairy, B	31.08	355	P	P	22 13 51.7	-1.7
ISCO	Idaho Springs	31.17	334	eP	P	22 13 55.4	+0.8
J37A	Redenius Farm,	31.18	353	P	P	22 13 52.6	-1.7
SMCO	Snowmass	31.26	332	eP	P	22 13 56.2	+0.7
PTGA	Pittinga	31.40	112	LR	LR	22 28 26.4	
PV03	Paradox Valley	31.44	329	eP	P	22 13 57.5	+0.7
PV18	Skein Mesa, Pa	31.46	329	eP	P	22 13 57.8	+0.7
PV12	Saucer Basin,	31.46	329	eP	P	22 13 58.1	+1.0
PV11	David Mesa, Pa	31.48	329	eP	P	22 13 59.7	+2.4
I43A	Langefeld Bro	31.49	1	P	P	22 13 55.0	-2.0
I42A	Draeger Farm,	31.49	360	eP	P	22 13 55.6	-1.4
I42A	Draeger Farm,	31.49	360	eP	P	22 13 55.4	-1.6
PV16	Nyswonger Mesa	31.51	329	eP	P	22 13 59.5	+2.0
I40A	Notwak	31.53	357	P	P	22 13 55.2	-2.2
GLA	Glamis	31.53	315	eP	P	22 13 59.1	+1.5
I39A	Houston	31.54	356	P	P	22 13 56.0	-1.4
I39A	Houston	31.54	356	P	P	22 13 55.6	-1.9
PV20	West Nyswonger	31.56	329	eP	P	22 14 00.1	+2.1
PV14	Lion Creek, Pa	31.61	329	eP	P	22 13 59.5	+1.0
PV22	Blue Mesa, Pa	31.62	329	eP	P	22 13 59.6	+1.2
PV10	Paradox Valley	31.63	329	eP	P	22 14 00.5	+1.9
PV23	Carpenter Ridg	31.67	329	eP	P	22 14 01.5	+2.6
I41A	Arkdale	31.67	359	eP	P	22 13 57.3	-1.3
I41A	Arkdale	31.67	359	eP	P	22 13 56.8	-1.7
I38A	Scanlan Farm,	31.79	355	P	P	22 13 57.6	-2.0
I37A	Lemond, Waseca	31.86	354	eP	P	22 13 59.0	-1.2
I37A	Lemond, Waseca	31.86	354	eP	P	22 13 58.4	-1.8
ECSD	EROS Data Cent	32.05	349	eP	P	22 13 59.9	-2.1
ECSD	EROS Data Cent	32.05	349	eP	P	22 16 51.4	0.0
H43A	Winseep, Lux	32.08	1	P	P	22 14 00.1	-2.1
H41A	Junction City	32.22	359	eP	P	22 14 01.9	-1.5
H41A	Junction City	32.22	359	eP	P	22 14 01.4	-2.0
N23A	Red Feather La	32.23	335	eP	P	22 14 07.6	+3.7
H40A	Chili	32.25	358	P	P	22 14 01.9	-1.7
BC3	Big Chuckawall	32.30	316	P	P	22 14 05.7	+1.2
H39A	Augusta	32.35	357	P	P	22 14 02.7	-1.8
H37A	Dierke Farm, C	32.37	354	P	P	22 14 02.8	-1.9
PHWY	Pilot Hill	32.38	336	eP	P	22 14 05.8	+0.6
H38A	Main Road	32.41	355	P	P	22 14 03.1	-2.0
H36A	Jessenland, He	32.48	353	P	P	22 14 03.9	-1.7
O20A	White River Ci	32.61	332	eP	P	22 14 09.1	+1.9
O20A	White River Ci	32.61	332	eP	P	22 14 06.7	-0.5
H35A	Sunnyside Ranc	32.71	352	P	P	22 14 05.9	-1.8
G42A	Mountain	32.84	0	eP	P	22 14 06.9	-1.9
G42A	Mountain	32.84	0	eP	P	22 14 06.4	-2.4
G43A	Wallace	32.87	1	P	P	22 14 06.4	-2.7
G38A	Ridgeland	32.87	356	P	P	22 14 07.0	-2.1
G40A	Rib Lake	32.89	358	eP	P	22 14 07.8	-1.4
G40A	Rib Lake	32.89	358	eP	P	22 14 07.4	-1.9
SRU	San Rafael Sve	32.94	328	eP	P	22 14 11.9	+1.9
G39A	Holcombe	32.95	357	P	P	22 14 07.7	-2.1
SPMN	Marine on St.	33.00	355	P	P	22 14 08.7	-1.6
SPMN	Marine on St.	33.00	355	P	P	22 14 08.4	-1.8
SAML	Samuel	33.06	128	eP	P	22 14 10.7	-0.4
SAML	Samuel	33.06	128	eP	P	22 16 58.7	+4.1
MTPU	Mount Pierson	33.06	325	eP	P	22 14 13.3	+2.0
P18A	Preston Nutter	33.19	329	eP	P	22 14 15.0	+2.7
SUSD	Miller	33.21	347	P	P	22 14 10.4	-1.7
SZCU	Shurtz Canyon	33.27	323	eP	P	22 14 14.5	+1.5
P17A	Butcher Ranch	33.32	328	eP	P	22 14 16.3	+3.0
F45A	CMU Biological	33.40	4	P	P	22 14 11.6	-2.1
SADO	Sacawa	33.41	13	P	P	22 14 12.3	-1.5
RWWY	Rawlins	33.42	335	eP	P	22 14 16.0	+1.8
F40A	Park Falls	33.54	358	P	P	22 14 12.8	-2.1
F39A	Loretta	33.56	357	P	P	22 14 12.9	-2.2
F44A	Big Bay de Noc	33.63	3	P	P	22 14 13.4	-2.4
F38A	Pierce - Schro	33.66	356	P	P	22 14 14.0	-2.0
COWI	Conover	33.70	360	eP	P	22 14 13.9	-2.4
K22A	Casper	33.94	336				

27d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SCHQ Schefferville, BDFB Brasilia, CPUP Villa Florida, etc.

MEX 27 22:39:04.0-0.6, 16.02N-98.30W, h1km, 6km, MD3.7, Near coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

MEX 27 22:52:45.0-0.8, 15.59N-98.35W, h5km, MD3.9, Off coast of Guerrero. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

ISCJB 27 22:56:05.3-0.4, 24.66N-102.122.44E, h89km, 4km. Error ellipse: s-maj=3.9km s-min=2.6km az=169.1. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TWC Suao, YOJ Yonaguni jima, YOJ Yonaguni jima, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like YULB, TWF1 Yuli, TWF1 Yuli, etc.

NIED 27 23:05:00.36:60N.142:70E, h5km, Mw4.6 Best double couple: Mb1.0000x1019, Mb1.199x10000, Mb1.00000, Mb1.000000, Mb1.000000. IDIC 27 23:05:23.0-0.6, 36:45N.142:96E, h0km, mb4.4/24, mb1.4/4/31, ms1mx3.8/75, Error ellipse: s-maj=14.2km s-min=12.8km az=86.0. JMA 27 23:05:27.2-0.2, 36:56N.142:70E, h78km, M3.9. NEIC 27 23:05:28.8-0.3, 36:47N.142:87E, h35km, mb4.6/21, Error ellipse: s-maj=6.2km s-min=5.6km az=122.0. ISCJB 27 23:05:28.1-0.3, 36:54N.142:72E, h35km, mb4.6/88, MS4.4/30, Error ellipse: s-maj=4.7km s-min=3.6km az=136.4. MOS 27 23:05:30.0-0.9, 36:99N.142:73E, h33km, mb5.0/39, h34.4/7, Error ellipse: s-maj=8.8km s-min=5.4km az=120.2. ISC 27 23:05:27.4-0.6, 36:49N.142:92E, h23km, 3km, n237, s-maj=8.8km, mb4.6/96, MS4.4/31, 19C-3D, Off coast of Honshu.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like G43A Wallace, G38A Ridgeland, etc.

ISJCJB 27 23:11:49.3±0.4, 42.27N, 104.143:07E, 0.04, h64km, 3km, mb3.7/10, Error ellipse: s-maj=6.7km s-min=4.1, km az=156.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like JTHR Tokachihiro, JTHR Urakawa-nobuka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like JTHR Tokachihiro, JTHR Urakawa-nobuka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like H11S3 WAKE ISLAND Hy 31.06 133 T T, ZALV Zalesovo Beam, etc.

IDC 27 23:15:18.7±1.4, 3.64N, 127.05E, h0km, mb3.5/5, mb1 3.6/5, mb1mx3.3/7.1, mbtmp3.5/5, Error ellipse: s-maj=146.4km s-min=19.6km az=69.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like WRA Warramunga Arr, ASAR Alice Springs, etc.

ECX 27 23:15:57.6±0.6, 30.60N, 113.98W, h8km, MD5.1, ML5.3 ISJCJB 27 23:15:59.0±0.2, 30.62N, 113.78W, 0.02, h10km, mb4.9/17.1, Error ellipse: s-maj=3.1km s-min=1.4km az=30.3

Bull 27 23:15:59.0, 30.60N, 113.90W, h10km, mb5.4/6, mb5.7/5, Mb5.3/6, Mb7.5/10 MOS 27 23:15:59.4±1.1, 30.68N, 113.88W, h13km, mb5.2/37, MS5.3/6, Error ellipse: s-maj=6.5km s-min=3.9km az=92.4

NEIC 27 23:16:00.0±0.3, 30.55N, 113.91W, h10km, mb5.1/182, MW5.2, MD5.2(MEX), ML5.4(CEX) Error ellipse: s-maj=4.3km s-min=2.5km az=215.0, Moment Tensor Solution. s90 Moment tensor: Scale 10^16Nm; Mr=0.87; Mw=6.52; Mw7.39; Mw=0.47; Mw1.10; Mw2.29; Best double couple: Mo:7.10000x10^16 NP1:0.140.00000, 0.88.00000, 0.85.00000, -1.2.00000. NP2:0.140.00000, 0.88.00000, 0.85.00000. Principal axes: T: 7.4800, P: 2.7400, N: -0.8300, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000, Azm164.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like ECXB EI Chinero, ECXB EI Chinero, etc.

ISJCJB 27 23:16:01.8±2.8, 30.68N, 113.79W, h21km, mb4.6/38, mb1 4.6/45, mb1mx4.5/7.6, mbtmp4.6/45, ML4.2/7, MS4.9/53, Ms1 4.9/53, ms1mx4.8/63 Error ellipse: s-maj=13.9km s-min=6.9km az=43.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like ECXB EI Chinero, ECXB EI Chinero, etc.

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station identifiers like SRIG Santa Rosalia, SRIG Santa Rosalia, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like TASL Snake Pit, SLBS Sierra La Lagu, R11A Troy Canyon, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like M04C Macdoel, MFID Camas Ranch, HLID Halley, etc.

Table with columns: ID, Name, Time, Date, Location, Status, etc. Includes entries like E07A Sunnyside, BGNE Belgrade, D08A Belgrade, etc.

N37A	Lee Faris, Mou	18.93	52	P	P	23 20 18.8	-2.1
P38A	Dawn	18.94	56	eP	Pn	23 20 21.3	-0.2
P38A	Dawn	18.94	56	P	P	23 20 19.4	-1.5
Y42A	Garnett, Star	19.00	74	P	P	23 20 20.3	-1.3
ECSD	EROS Data Cent	19.01	41	eP	P	23 20 21.6	0.0
ECSD	EROS Data Cent	19.01	41	P	Pn	23 20 22.2	-0.1
CCAR	Cane Creek	19.02	74	eP	Pn	23 20 24.1	+1.5
TLIG	Tipa	19.04	129	eP	Pn	23 20 25.2	+2.2
443A	Delano Plantat	19.04	84	P	Pn	23 20 22.8	0.0
543A	St. Martinville	19.05	86	P	P	23 20 22.7	-0.2
540A	Lebanon	19.05	63	P	P	23 20 21.6	-0.5
Q39A	Willow Grove F	19.14	58	P	P	23 20 22.7	-0.3
343A	Vidalia	19.14	82	P	P	23 20 23.1	-0.1
O38A	Gall	19.18	55	P	P	23 20 22.6	-0.9
X42A	Stuttgart	19.20	72	P	P	23 20 23.0	-0.7
U41A	Viola	19.22	67	P	P	23 20 23.4	-0.6
243A	Waterproof	19.23	80	P	P	23 20 23.0	-1.1
L36A	Harm Buss Farm	19.27	48	P	P	23 20 24.2	-0.3
143A	Socs Landing,	19.28	78	P	P	23 20 25.1	+0.5
M37A	Trindle Farm,	19.33	51	P	P	23 20 25.2	+0.1
A04D	Lummi Island	19.34	342	P	P	23 20 25.3	+0.2
W42A	Bald Knob	19.36	70	P	P	23 20 25.8	+0.2
DGMT	Dagmar	19.37	20	eP	Pn	23 20 26.2	-0.4
DGMT	Dagmar	19.37	20	P	P	23 20 25.9	+0.3
R40A	Maddies Statio	19.42	61	eP	Pn	23 20 27.2	-0.1
R40A	Maddies Statio	19.42	61	P	P	23 20 25.0	-1.2
Z43A	Armstrong Fami	19.43	76	P	P	23 20 25.3	-0.9
P39B	Salisbury	19.45	57	P	P	23 20 25.3	-1.1
PGC	Sidney	19.48	341	eP	Pn	23 20 27.3	-0.6
T41A	Mountain View	19.49	65	P	P	23 20 25.8	-1.2
V42A	Cord	19.55	69	P	P	23 20 27.2	-0.4
N38A	Joes South For	19.62	53	P	P	23 20 28.4	+0.1
S41A	Jilico Farms,	19.63	63	P	P	23 20 28.2	-0.2
544A	White Castle	19.64	86	P	P	23 20 28.2	-0.4
K36A	Gilmore City	19.68	47	P	P	23 20 28.1	-0.9
Y43A	Makayla and Ka	19.72	74	P	P	23 20 27.5	-1.9
Q40A	Laux Farm, Aux	19.78	59	P	P	23 20 29.6	-0.5
L37A	Marvell	19.80	72	P	P	23 20 28.8	-1.5
O39A	Phoenix Point,	19.87	49	P	P	23 20 31.0	-0.1
133A	Kirksville	19.88	55	P	P	23 20 30.5	-0.7
344A	Westbrook Farm	19.89	81	eP	Pn	23 20 33.8	+0.8
344A	Westbrook Farm	19.89	81	P	P	23 20 32.1	+0.8
244A	Avery, Jackson	19.90	80	P	P	23 20 31.5	+0.1
M38A	Pleasantville	19.91	51	P	Pn	23 20 32.3	-0.8
444A	Pine Grove	19.93	84	P	P	23 20 32.3	+0.5
P40A	Paris	19.98	57	eP	Pn	23 20 33.2	-0.8
P40A	Paris	19.98	57	P	P	23 20 31.1	-1.1
W42A	Forest City	20.01	71	P	P	23 20 31.0	-1.5
T43A	Van Buren	20.01	65	eP	P	23 20 33.0	+0.4
T42A	Van Buren	20.01	65	P	P	23 20 31.7	-0.9
VBMS	Vicksburg	20.04	79	eP	Pn	23 20 35.5	+0.8
VBMS	Vicksburg	20.04	79	P	P	23 20 31.8	-1.1
R41A	Roseland	20.10	61	P	P	23 20 33.4	-0.2
Z44A	Pea Ridge, Bel	20.11	76	P	P	23 20 33.5	-0.1
144A	Alexander Plac	20.11	78	P	P	23 20 32.6	-1.1
J36A	Seneca 1, Swea	20.12	45	eP	Pn	23 20 35.5	-0.1
J36A	Seneca 1, Swea	20.12	45	eS	Sn	23 24 23.3	+1.5
SCIA	State Center	20.12	50	eP	Pn	23 20 33.0	-0.7
SCIA	State Center	20.12	50	eP	Pn	23 20 35.1	-0.5
SCIA	State Center	20.12	50	P	P	23 20 33.7	-0.1
CCM	Cathedral Cave	20.14	62	eP	Pn	23 20 35.0	-0.8
CCM	Cathedral Cave	20.14	62	eP	Pn	23 20 35.0	-0.8
CCM	Cathedral Cave	20.14	62	P	P	23 20 33.8	-0.2
N39A	Derby Farms, D	20.16	53	eP	P	23 20 34.8	+0.6
N39A	Derby Farms, D	20.16	53	P	P	23 20 33.2	-1.0
645A	Chauvin	20.22	87	P	P	23 20 34.5	-0.4
545A	Edgard	20.23	85	P	P	23 20 34.6	-0.4
V43A	Jonesboro	20.23	69	P	P	23 20 32.8	-2.1
K37A	Belmond	20.26	47	P	P	23 20 35.0	-0.3
445A	Amite	20.28	83	P	P	23 20 34.3	-1.3
O40A	La Belle	20.31	56	P	P	23 20 35.8	0.0
Y44A	Strider, Charl	20.32	74	P	P	23 20 34.4	-1.5
Q41A	Truxton	20.39	60	P	P	23 20 37.2	+0.4
L38A	Oak Wood Farm,	20.40	50	P	P	23 20 36.8	0.0
X44A	Crenshaw	20.41	73	P	P	23 20 36.2	-0.8
S42A	Caledonia	20.41	63	P	P	23 20 37.0	+0.1
U43A	Rector	20.43	67	P	P	23 20 35.2	-1.9
MDND	Maddock	20.46	28	eP	P	23 20 37.5	+0.1
MDND	Maddock	20.46	28	P	P	23 20 36.4	-1.0
PBMO	Poplar Bluff	20.48	66	eP	Pn	23 20 38.9	-0.9
345A	Thompson Farm,	20.50	82	P	P	23 20 35.6	-2.3
145A	Houston Renfro	20.53	78	P	P	23 20 38.1	-0.1
R42A	Luebbering	20.54	62	P	P	23 20 37.9	-0.4
245A	Little AP, Sta	20.57	80	P	P	23 20 37.0	-1.7
J37A	Redenius Farm,	20.60	46	P	P	23 20 39.0	0.0

H35A	baz=238,SNR=29	20.61	41	P	P	23 20 38.4	-0.7
M39A	Sunnyside Ranch	20.63	52	P	Pn	23 20 40.9	-0.7
M39A	Webster	20.63	52	P	P	23 20 39.2	-0.8
I36A	Fitzsimmons Fa	20.70	44	P	P	23 20 43.0	+0.2
Z45A	Winona	20.73	76	eP	Pn	23 20 40.1	-0.4
Z45A	Winona	20.73	76	P	P	23 20 39.7	-0.8
W44A	Shelby Farms P	20.74	71	P	P	23 20 42.0	-0.9
FVM	French Village	20.74	63	eP	Pn	23 20 42.0	-0.9
FVM	French Village	20.74	63	eP	Pn	23 20 42.0	-0.9
FVM	French Village	20.74	63	eP	Pn	23 20 42.0	-0.9
F41A	Barry Barry	20.74	58	P	P	23 20 41.3	+0.7
V44A	Blytheville	20.75	69	P	P	23 20 40.5	-0.2
K38A	Parkersburg	20.76	49	eP	Pn	23 20 45.5	+2.4
K38A	Parkersburg	20.76	49	P	P	23 20 40.8	+0.1
N40A	Mertquake, Sal	20.80	54	P	P	23 20 41.6	+0.5
646A	Port Sulphur	20.86	87	P	P	23 20 42.2	+0.3
546A	Slidell	20.87	85	P	P	23 20 41.9	-0.1
Y45A	Yeager Farm, C	20.87	75	P	Pn	23 20 43.3	-1.1
LLBL	Lillooet	20.90	346	eP	P	23 20 42.4	+0.2
Q42A	Golden Eagle	20.90	60	P	P	23 20 42.4	+0.1
S43A	Fulton Ridge,	20.92	64	P	P	23 20 42.3	-0.2
346A	Big Creek Wild	20.97	81	P	P	23 20 42.4	-0.7
PARMO	Parma	21.00	67	eP	Pn	23 20 46.6	+0.7
OXF	Oxford	21.02	73	eP	P	23 20 43.0	-0.4
OXF	Oxford	21.02	73	eP	P	23 20 43.0	-0.4
OXF	Oxford	21.02	73	eP	P	23 20 42.4	-1.2
OXF	Oxford	21.02	73	P	P	23 20 43.8	+0.3
O41A	Passleys Farm,	21.02	57	P	P	23 20 43.0	-0.6
U44A	Portageville	21.02	67	P	P	23 20 42.6	-1.0
X45A	UM Field Stati	21.02	73	P	P	23 20 47.5	+3.6
SLM	Saint Louis	21.05	61	eP	P	23 20 47.5	+3.6
SLM	Saint Louis	21.05	61	eP	P	23 20 43.4	-0.5
M40A	Post Highland	21.05	53	P	P	23 20 43.1	-0.8
H36A	Jessenland, He	21.06	43	P	P	23 20 44.3	+0.3
I37A	Lemond, Waseca	21.07	45	eP	P	23 20 43.5	-0.5
I37A	Lemond, Waseca	21.07	45	P	P	23 20 43.5	-0.5
446A	Poplarville	21.11	83	P	P	23 20 43.5	-1.1
R43A	Red Bud	21.19	62	P	P	23 20 44.4	-1.0
T44A	Benton	21.20	66	P	P	23 20 44.4	-1.3
246A	Jackson Lee, B	21.22	80	P	P	23 20 46.6	+0.7
P42A	Winchester	21.24	59	eP	P	23 20 46.0	+0.1
P42A	Winchester	21.24	59	P	P	23 20 46.1	+0.2
N41A	Harden Midland	21.25	55	eP	P	23 20 46.9	+0.9
N41A	Harden Midland	21.25	55	P	P	23 20 45.9	-0.2
W45A	Hickory Valley	21.25	71	P	P	23 20 51.2	+5.1
146A	Union	21.26	78	eP	P	23 20 47.0	+0.8
146A	Union	21.26	78	P	P	23 20 45.8	-0.4
U44B	Burton Farm, H	21.27	68	P	P	23 20 46.6	+0.3
J38A	West Dairy, R	21.28	47	P	P	23 20 46.6	-0.6
Z46A	Louisville	21.36	76	P	P	23 20 48.8	+1.6
K39A	Olwein	21.44	75	P	P	23 20 47.5	-1.2
Y46A	Houston	21.44	75	P	P	23 20 49.1	+0.2
V45A	Humboldt	21.50	69	P	P	23 20 48.3	-0.6
L40A	Anamosa	21.52	52	eP	P	23 20 49.3	+0.2
L40A	Anamosa	21.52	52	P	P	23 20 49.5	-0.1
Q43A	New Douglas	21.54	61	P	P	23 20 50.6	+0.7
S44A	Carbondale	21.58	64	P	P	23 20 50.5	+0.4
SIUC	Southern Ilin	21.61	64	eP	P	23 20 50.0	-0.5
O42A	Bath	21.63	57	P	P	23 20 50.2	-0.2
247A	Quitman	21.66	79	P	P	23 20 49.7	-1.2
H37A	Dierke Farm, C	21.66	44	P	P	23 20 51.1	+0.1
X46A	Booneville	21.70	73	P	P	23 20 50.4	-0.8
M41A	Milan	21.71	54	P	P	23 20 50.8	-0.7
I38A	Scanlan Farm,	21.73	46	P	P	23 20 50.9	-0.8
U45A	Roop P Farm,	21.76	81	P	P	23 20 50.9	-0.8
347A	Saraland	21.76	81	P	P	23 20 52.4	+0.1
J39A	Decorah	21.78	48	P	P	23 20 52.5	0.0
R44A	Waltonville	21.84	63	P	P	23 20 52.2	-0.4
K40A	Colesburg	21.86	50	P	P	23 20 51.9	-0.7
P43A	Skaggs, Pawnee	21.86	59	P	P	23 20 53.7	+0.5
N42A	Yates City	21.87	56	P	P	23 20 54.8	+1.4
W46A	Michie	21.91	71	P	P	23 20 57.3	+4.0
CMIG	Matias Romero	21.92	123	P	LR	23 28 38.0	
CMIG	Matias Romero	21.93	78	eP	P	23 20 52.9	-0.4
147A	Livingston	21.93	78	P	P	23 20 51.2	-2.2
147A	Livingston	21.93	78	P	P	23 20 53.1	-1.1
T45A	Paducah	21.93	66	P	P	23 20 54.1	-0.2
L41A	Preston	22.02	52	P	P	23 20 55.6	+0.6
Q44A	Meyer Farm, Va	22.02	61	P	P	23 20 55.2	+0.3
Z47A	Carrollton	22.09	76	P	P	23 20 54.0	-1.1
SPMN	Marine on St.	22.09	43	eP	P	23 20 54.0	-1.1
SPMN	Marine on St.	22.09	43	P	P	23 20 55.2	+0.3
H38A	Matian Rock	22.10	44	P	P	23 20 54.3	-0.2
S45A	Carrier Mills	22.10	64	P	P	23 20 54.3	-0.9
C33A	Tral	22.11	34	P	P	23 20 54.3	-0.9

I39A	Houston	22.14	47
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27d 23h

G40A	Rib Lake	23.67	45	P	P	23 21 10.5	-0.9
H41A	Junction City	23.69	47	eP	P	23 21 17.2	+5.6
H41A	Junction City	23.69	47	P	P	23 21 10.5	-1.0
N45A	Kentland	23.69	57	P	P	23 21 10.9	-0.7
T48A	Bowling Green	23.73	67	P	P	23 21 12.0	0.0
K43A	Burlington	23.74	52	eP	P	23 21 13.1	+1.0
K43A	Burlington	23.74	52	P	P	23 21 11.8	-0.3
R47A	Woolly Knot Far	23.81	64	P	P	23 21 13.2	+0.3
150A	Eclectic	23.82	78	P	P	23 21 12.4	-0.6
I42A	Draeger Farm,	23.84	49	eP	P	23 21 13.9	+1.0
I42A	Draeger Farm,	23.84	49	P	P	23 21 12.0	-0.9
L44A	Lake County Fo	23.84	54	P	P	23 21 11.7	-1.4
SFIN	Lafayette	23.86	58	eP	P	23 21 18.2	+4.9
SFIN	Lafayette	23.86	58	P	P	23 21 13.3	+0.1
ULM	Lac du Bonnet	23.88	29	P	P	23 21 11.1	-2.2
ULM	Lac du Bonnet	23.88	29	eP	P	23 30 23.1	
ULM	Lac du Bonnet	23.88	29	P	P	23 21 11.7	-1.6
ULM	Lac du Bonnet	23.88	29	eP	P	23 21 11.7	-1.6
Z50A	Ashland	23.89	76	eP	P	23 21 14.3	+0.7
Z50A	Ashland	23.89	76	P	P	23 21 13.3	-0.3
SWET	Sewanee	23.91	71	eP	P	23 21 15.3	+1.4
W49A	McMinnville	23.98	70	P	P	23 21 14.5	+0.1
V81	Wyandotte Cave	23.98	64	eP	P	23 21 15.2	+0.8
WC1	Wyandotte Cave	23.98	64	eP	P	23 21 15.2	+0.8
BLO	Bloomington	23.99	62	eP	P	23 21 16.2	+1.7
BLO	Bloomington	23.99	62	eP	P	23 21 16.2	+1.7
BLO	Bloomington	23.99	62	eP	P	23 21 16.2	+1.7
BBB	Bella Bella	24.01	338	P	P	23 21 14.2	-0.3
BBB	Bella Bella	24.01	338	eP	P	23 30 31.1	
BBB	Bella Bella	24.01	338	eP	P	23 21 14.8	+0.3
Q47A	Bedord North L	24.02	62	P	P	23 21 14.8	+0.1
E39A	Mellen	24.02	42	P	P	23 21 13.5	-1.4
Y50A	Piedmont	24.04	75	P	P	23 21 15.1	+0.1
M45A	Boilermakers S	24.04	56	P	P	23 21 13.5	-1.5
F40A	Park Falls	24.05	44	P	P	23 21 14.2	-0.8
S48A	Wiedeman Farm,	24.07	65	P	P	23 21 15.1	-0.2
X50B	Fort Payne	24.12	73	P	P	23 21 16.2	+0.4
U49A	Red Boiling Sp	24.14	68	P	P	23 21 15.4	-0.6
P47A	Martinsville	24.25	61	P	P	23 21 17.0	0.0
N46A	Monticello	24.27	57	P	P	23 21 16.7	-0.3
I43A	Langenfeld Bro	24.34	50	P	P	23 21 18.2	+0.5
R48A	Northridge Ran	24.34	64	P	P	23 21 18.4	+0.6
H42A	Shiocton	24.35	48	eP	P	23 21 23.1	+5.3
H42A	Shiocton	24.35	48	P	P	23 21 18.7	+0.9
251A	Midway	24.37	79	P	P	23 21 18.4	+0.3
T49A	Edmonton	24.41	67	eP	P	23 21 19.2	+0.8
T49A	Edmonton	24.41	67	P	P	23 21 17.8	-0.6
151A	Opelika	24.41	78	P	P	23 21 18.7	+0.2
EYMN	Ely	24.41	38	eP	P	23 21 18.2	-0.1
W50A	Signal Mountain	24.42	71	P	P	23 21 19.9	+1.3
W50A	Signal Mountain	24.42	71	P	P	23 21 17.8	-0.8
CCIG	Comitan	24.45	121	eP	P	23 21 22.7	+3.5
E40A	Wakefield	24.46	43	P	P	23 21 18.9	+0.2
O47A	Sheridan	24.50	59	P	P	23 21 19.7	+0.4
Z51A	Franklin	24.51	76	P	P	23 21 19.8	+0.4
Q48A	North Vernon	24.55	62	P	P	23 21 19.2	-0.4
F41A	Three Lakes	24.57	45	eP	P	23 21 27.1	+7.3
F41A	Three Lakes	24.57	45	P	P	23 21 20.5	+0.7
Y51A	Rockmart	24.59	75	P	P	23 21 18.8	-1.4
552A	Lynn Haven	24.68	84	P	P	23 21 21.6	+0.7
M46A	Old House Fiel	24.69	56	eP	P	23 21 27.5	+6.6
M46A	Old House Fiel	24.69	56	P	P	23 21 21.4	+0.5
COWI	Conover	24.73	44	eP	P	23 21 20.5	-0.7
G42A	Mountain	24.75	47	eP	P	23 21 25.9	+4.5
G42A	Mountain	24.75	47	P	P	23 21 21.4	0.0
X51A	Calhoun	24.77	73	eP	P	23 21 22.4	+0.7
X51A	Calhoun	24.77	73	P	P	23 21 21.0	-0.7
H43A	Windswept, Lux	24.83	49	eP	P	23 21 23.4	+1.4
H43A	Windswept, Lux	24.83	49	P	P	23 21 23.2	+1.1
352A	Blakely	24.83	80	eP	P	23 21 23.2	+1.0
352A	Blakely	24.83	80	P	P	23 21 23.5	+1.3
R49A	Shelbyville	24.86	64	P	P	23 21 22.3	-0.2
W51A	Cleveland	24.87	72	P	P	23 21 22.4	-0.2
U48A	Milroy	24.89	61	P	P	23 21 22.2	-0.5
P50A	Jamestown	24.89	69	P	P	23 21 22.0	-0.7
152A	Waverly Hall	24.92	78	eP	P	23 21 23.9	+0.9
152A	Waverly Hall	24.92	78	P	P	23 21 22.5	-0.5
252A	Lumpkin	24.95	79	P	P	23 21 23.6	+0.3
T50A	Nancy	24.95	67	P	P	23 21 23.1	-0.2
CPCT	Cooper Cave	25.08	71	eP	P	23 21 26.5	+2.0
Z52A	Williamson	25.15	76	P	P	23 21 24.9	-0.2
F42A	Maple Grove Fa	25.17	46	P	P	23 21 25.0	-0.2
Q49A	Aurora	25.20	63	P	P	23 21 26.3	+0.8
G43A	Wallace	25.22	47	P	P	23 21 25.9	+0.2

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V51A	Loudon	25.24	70	eP	P	23 21 27.9	+2.0
V51A	Loudon	25.24	70	P	P	23 21 25.5	-0.3
O48A	Farmland	25.27	60	P	P	23 21 26.2	+0.1
S50A	Richmond	25.38	66	P	P	23 21 28.2	+1.0
Y52A	Liburn	25.43	75	eP	P	23 21 28.4	+0.7
Y52A	Liburn	25.43	75	P	P	23 21 26.7	-0.9
P49A	Miami Univ. Ec	25.44	61	P	P	23 21 29.1	+1.4
Z53A	Americus	25.46	79	eP	P	23 21 29.3	+1.4
R50A	Paris	25.52	64	P	P	23 21 27.9	-0.5
U51A	La Follette	25.55	69	P	P	23 21 29.5	+0.8
W52A	Murphy	25.55	72	eP	P	23 21 31.6	+2.8
W52A	Murphy	25.55	72	P	P	23 21 29.6	+0.8
D41A	Chassel	25.56	43	P	P	23 21 28.1	-0.5
X52A	Dahlonega	25.57	73	P	P	23 21 28.6	-0.4
FFC	Flin Flon	25.63	16	eP	P	23 21 28.1	-1.2
FFC	Flin Flon	25.63	16	eP	P	23 21 28.1	-1.2
E42A	Champion	25.63	44	P	P	23 21 29.0	-0.4
T51A	Granville	25.66	68	P	P	23 21 30.3	+0.6
153A	Fort Valley	25.67	77	P	P	23 21 30.5	+0.7
C40A	Isle Royale Na	25.68	41	P	P	23 21 30.1	+0.3
L47A	Sherwood	25.68	56	P	P	23 21 30.8	+0.9
TKL	Tuckaleechee C	25.70	71	eP	P	23 21 32.2	+2.1
TKL	Tuckaleechee C	25.70	71	eP	P	23 21 32.8	+2.7
TKL	Tuckaleechee C	25.70	71	eP	P	23 21 32.8	+2.7
F43A	Flat Rock, Esc	25.81	46	P	P	23 21 29.8	-1.2
Y53A	Monroe	25.83	75	P	P	23 21 31.9	+0.6
V52A	Sevierville	25.85	70	eP	P	23 21 33.9	+2.4
V52A	Sevierville	25.85	70	P	P	23 21 32.1	+0.6
Z53A	Monticello	25.85	76	P	P	23 21 31.6	+0.1
O49A	Ovington	25.86	60	P	P	23 21 31.4	-0.1
Q50A	Georgetown	25.88	63	P	P	23 21 31.3	-0.4
M48A	Edgerton	25.89	57	P	P	23 21 30.5	-1.3
TZTN	Tazewell	25.93	69	P	P	23 21 33.4	+1.2
GOGA	Godfrey	25.94	76	eP	P	23 21 33.1	+0.9
GOGA	Godfrey	25.94	76	eP	P	23 21 33.2	+0.9
GOGA	Godfrey	25.94	76	P	P	23 21 32.9	+0.6
S51A	Beattyville	26.01	66	P	P	23 21 31.7	-1.2
454A	Quilman	26.02	82	P	P	23 21 32.6	-0.5
X53A	Eustanolee	26.06	73	P	P	23 21 31.0	-2.3
U52A	Thorn Hill	26.07	69	P	P	23 21 32.3	-1.2
R51A	Hillsboro	26.10	65	P	P	23 21 31.4	-2.3
P50A	Jamestown	26.15	62	P	P	23 21 33.8	-0.4
E43A	Long Tree Farm	26.16	45	P	P	23 21 34.8	+0.6
Z54A	Abbeville	26.18	79	P	P	23 21 33.5	-0.9
W53A	Culwhree	26.18	72	P	P	23 21 34.5	-0.1
L48A	N Adams	26.22	56	P	P	23 21 34.7	-0.1
BG3	Lake Jocassee	26.36	72	eP	P	23 21 37.6	+1.5
O50A	Cable	26.39	60	P	P	23 21 35.9	-0.4
Q51A	Peebles	26.39	63	P	P	23 21 35.0	-1.4
M49A	Liberty Center	26.43	57	P	P	23 21 36.1	-0.5
T52A	Hallie	26.43	67	P	P	23 21 35.2	-1.6
Z54A	Sparks	26.47	76	P	P	23 21 36.5	-0.5
V53A	Saluda	26.48	71	eP	P	23 21 40.6	+3.4
V53A	Saluda	26.48	71	P	P	23 21 36.0	-1.2
APG	El Apazote	26.50	121	P	P	23 21 38.3	+0.5
APG	El Apazote	26.50	121	P	P	23 31 41.5	
455A	Stateville	26.53	82	P	P	23 21 36.8	-0.9
Y54A	Tignall	26.57	75	P	P	23 21 37.7	-0.4
P51A	Williamsport	26.69	62	P	P	23 21 37.1	-1.9
155A	Kite	26.82	77	P	P	23 21 39.9	-0.3
R52A	Catlettsburg	26.84	65	P	P	23 21 39.4	-1.0
N50A	Nevada	26.87	59	P	P	23 21 41.5	+0.9
AAM	Ann Arbor	26.88	56	P	P	23 21 42.1	+1.4
ACSO	Alum Creek Sta	26.88	60	eP	P	23 21 40.6	-0.1
ACSO	Alum Creek Sta	26.88	60	P	P	23 21 40.1	-0.7
Z55A	Blythe	27.06	76	P	P	23 21 41.7	-0.7
M50A	Fremont	27.09	58	P	P	23 21 42.9	+0.2
E45A	Wooded Hills,	27.28	47	P	P	23 21 43.5	-0.8
857A	Zephyrhills	27.65	87	P	P	23 21 47.1	-0.6
KM5C	King Mountain	27.68	72	P	P	23 21 47.6	-0.4
CRAG	Craig	28.40	337	eP	P	23 22 00.1	+6.0
N54A	Moraine State	29.26	60	eP	P	23 22 07.7	+5.7
N54A	Moraine State	29.26	60	P	P	23 22 01.0	-1.0
ERPA	Erie	29.48	58	eP	P	23 22 08.9	+5.0
TGHU	Teeguicpalu	29.50	118	eP	P	23 22 06.6	+2.3
M54A	Oil Creek Stat	29.60	59	eP	P	23 22 11.2	+6.2
DLBC	Dease Lake	29.99	343	P	P	23 22 09.3	+0.9
DLBC	Dease Lake	29.99	343	P	P	23 35 34.4	
DLBC	Dease Lake	29.99	343	eP	P	23 22 09.0	+0.7
O56A	Blue Knob Stat	30.22	62	P	P	23 22 11.7	+1.1
SSPA	Standing Stone	30.79	61	eP	P	23 22 18.0	+2.5

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SSPA	Standing Stone	30.79	61	P	P	23 22 14.7	-0.8
YKA	Yellowknife Ar	31.95	359	P	P	23 22 24.6	-0.9
YKA	Yellowknife Ar	31.95	359	P	P	23 35 57.3	
PLVO	Plevna	32.20	53	eP	P	23 22 33.6	+5.7
N59A	State Game Lan	32.42	61	eP	P	23 22 35.2	+5.3
N59A	State Game Lan	32.42	61	P	P	23 22 30.3	+0.4
BINY	Binghamton	32.42					

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TBI, BORG, PETK, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like PRA, PRU, RETA, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like NJ2, MKAR, CDY, etc.

28d Oh

Table with columns: JTS, S, Sn, 23 33 54.2 +0.2, etc. Lists various astronomical objects and their coordinates.

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Table with columns: IOD2, S, P, 23 39 57.5 -2.0, etc. Lists astronomical objects with detailed parameters like station names and phases.

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Table with columns: SMG, DGB, S, Sg, 00 14 52.1 +0.1, etc. Lists astronomical objects with station names and phases.

28d 1h

Table with columns: Station ID, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like Winona, Lillooet, DLBC, ILI, ILAR, ILB, FRB, CBYP, AFI, PLCA, KSR5, HHC, HHC, KOWA.

IDC 2801:11:25.5:1.1, 12.54N:88.45W, h0km, mb4.2/8, mb1 4.5/9, mb1mx4.0/5.7, mbrtp4.2/9, ML3.3/2, MS3.6/9, Ms1 3.6/9, ms1mx3.3/4.9, Error ellipse: s-maj=40.0km s-min=22.0km az=73.0

ISCJB 2801:11:29.6:0.5, 12.26N:0.04:88.92W:0.03, h54km, 3km, mb4.6/56, MS3.7/9, Error ellipse: s-maj=7.7km s-min=3.3km az=36.3

CASC 2801:11:29.5:2.3, 12.27N:88.97W, h28km, 22km, ML3.4, mb4.6(NEIC)

NEIC 2801:11:31.3:0.4, 12.39N:88.86W, h35km, mb4.6/59, Error ellipse: s-maj=8.0km s-min=5.4km az=215.0

BJJ 2801:11:32.0, 12.40N:88.80W, h35km, mB5.3/1, Ms5.0/1, ISC 2801:11:32.4:1.2, 12.37N:0.06:88.85W:0.05, h05km, 11km, n343, r18/345, mb4.6/55, MS3.8/9, Off coast of central America

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Power, Phase ID, Time, Res, and other parameters. Lists numerous stations across the Americas.

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Main station list table with columns: Station ID, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like Union, Livingston, Greensboro, Jones, Eclectic, Opelika, Waverly Hall, Junction City, Louisville, Carrollton, Columbiana, Winona, Ashland, Kishland, Ahtale, Richland Creek, Franklin, Long Farm, Mag, Monticello, Houston, UCPA, Winitie, Jasper, Blount Mountain, Blount Mountain, Godfrey, Godfrey, Piedmont, Cane Creek, Eaglette Beard, Rockport, Lajitas, Lajitas Ar. Si, Lajitas Array, Lilburn, Okolona, Monroe, Atahualpa, Hartselle, Hartselle, Oxford, Crenshaw, Russellville, Booneville, New Hope, Tignall, Woodville, Lot Payne, Kaden, Bauxite, Basin Creek Fa, Basin Creek Fa, Mount Ida, Mount Ida, University of, Fountain Ranch, Estanolee, Pulaski, Belvidere, Jenkinsville, Gary Mavity, Gary Mavity, Bald Knob, Cleveland, Woolly Hollow, Ferguson Farm, Magazine, Monte Pirata, Holladay, Smith Brothers, Nunnally, Cord, McMinnville, Pikeville, Mountainview, Witts Springs, Witts Springs, Tuckaleechee C, Tuckaleechee C, Kings Mountain, Waverly, Waverly, Pettigrew, Saint Thomas, Saint Thomas.

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Main station list table with columns: Station ID, Name, Azimuth, Elevation, Power, and other parameters. Includes stations like Saluda, Saluda, Sevierville, Springville, Rectort, Revenden, Clarksville, Viola, Yellville, Groiling Sp, Jamestown, Hobbs, Leonard, Leonard, Green Forest, La Follette, Poplar Bluff, Tazewell, Fall Branch, Sharon Grove, Sharon Grove, Princeton, Van Buren, Van Buren, Greenville, Mountain View, Nancy, Edmonton, Clever, Clever, Mansfield, Muleshoe, Muleshoe, Diamond, Fulton Ridge, Hartford, Carbondale, Southern Ilin, Jills Farms, Lebanon, Caledonia, Caledonia, Bolivar, Stockton, Cathedral Cave, Cathedral Cave, Red Bud, Wyandotte Cave, Wyandotte Cave, Luebbering, Rosebud, Maddies Statio, Maddies Statio, Fenwick Farm, Chumby, Stover, Paris, Hillboro, Warren Harvey, Meyer Farm, Va, Golden Eagle, Bedord North L, Truxton, Laux Farm, Aux, Willow Grove F, Cooks Store, C, Peebles, Bidwell, Paris, Paris, Salisbury, Mineral, Dawn, Dawn, Williamsport, Kansas State U, Kansas State U, Lathrop, Albuquerque, La Belle, Potomac, Whipple, Sheridan, Covington.

Table with columns: ID, Name, Az, El, Az', El', Res, and other parameters. Rows include stations like 050A Cable, CBKS Cedar Bluff, 037A Wolves Farm, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Rows include stations like ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Rows include stations like HFS Hagfors, AS31 Alice Springs, ASAR Alice Springs, etc.

BESP Borongan 2.12 3 eP Pb 02 14 35.4 -1.0
BESP eS Sn 02 15 01.1 +1.2

ISCJB 28 02:28:22.7:0.2, 59:80N:0:02:152:50W:0:04,
h100km,2km,mb4.0/9, Error ellipse: s-maj=4.0km
s-min=3.0km az=141.2
IDC 28 02:28:22.9:1.3, 59:80N:152:54W, h82km, 18km, 3.7/9,
mb1.3/14, mb1mx3.4/25, mbtmp3.4/14, Error ellipse:
s-maj=9.6km s-min=6.2km az=115.0
NEIC 28 02:28:25.1:0.0, 59:82N:152:57W, h84km, ML3.9(AEIC),
After AEIC.
NEIC Felt at Homer.
ISC 28 02:28:23.8:0.7, 59:79N:0:04:152:53W:0:04, h91km, 6km,
n112, 0:06/6/125, mb4.0/9, Southern Alaska

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

BOSA Boshof 148.79 4 PKPbc PKPbc 02 47 59.6 -0.6
1.1nm,0.7s,baz=0.0,slow=0.0,SNR=3.3

IDC 28 02:28:23.4:1.5, 0:52N:124:59E, h0km, mb3.5/4,
mb1.3/7.4, mb1mx3.3/60, mbtmp3.5/4, Error ellipse:
s-maj=197.5km s-min=21.5km az=64.0, Minnahassa
Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Sulawesi.

MEX 28 02:35:40.6:0.3, 15:17N:93:30W, h63km, 20km, MD3.5,
Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Chiapas.

MEX 28 02:38:39.9:0.5, 29:79N:114:27W, h10km, MD4.2
NEIC 28 02:38:40.0:1.0, 30:42N:114:03W, h10km, mb4.1/3,
MD4.2(MEX), Error ellipse: s-maj=15.2km s-min=7.7km

ECX 28 02:38:43.0:0.6, 30:68N:114:06W, h12km, MD3.7, ML3.9
ISC 28 02:38:40.1:1.4, 30:25N:108:11:14W:0:03,
h27km, 16km, n41, 0:18/8/55, 1.0, Gulf of California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in the Gulf of California region.

ISCJB 28 02:56:32.9:0.3, 37:83N:0:02:21:41E:0:02, h19km, 3km,
mb3.3/7, Error ellipse: s-maj=2.9km s-min=2.4km
az=136.2

THE 28 02:56:32.7:37:84N:21:45E, h21km, ML2.9/16, Error
ellipse: s-maj=0.8km s-min=0.3km az=53.0
ATH 28 02:56:32.3:37:83N:21:43E, h19km, 1km, ML2.9/13, Error
ellipse: s-maj=1.1km s-min=0.6km az=32.0
IDC 28 02:56:38.1:3.2, 37:84N:21:52E, h77km, 39km, mb3.1/7,
mb1.3/2.9, mb1mx3.0/69, mbtmp3.4/9, ML2.4/252.7/1,
Ms1.2/7.1, mb1mx2.0/29, Error ellipse: s-maj=2.56km
s-min=2.1km az=93.0

ISC 28 02:56:32.8:0.7, 37:85N:0:02:21:43E:0:02, h21km, 1km,
n89, 0:09/9/130, mb3.5/7, Southern Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists seismic stations in Southern Greece.

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous seismic stations and their coordinates.

28d 3h

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Error ellipse: s-maj=6.8km s-min=4.9km az=45.0 69 km
WNW of Wrocław Suspected Mining induced.

WAR 28 03:01:58.1, 51.01N, 15.83E, h1km, MW2.4

ISC 28 03:01:51.9, 0.9, 51.949N, 0.03, 16.16E, 0.03, h0km, m26,
s104/57, 5D, Poland

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

ISCJB 28 03:37:51.7, 0.5, 30.67N, 0.04, 113.89W, 0.02, h10km,
mb4.7/6, MS3.5/28, Error ellipse: s-maj=5.3km

MEX 28 03:37:52.6, 0.8, 30.26N, 114.15W, h10km, MD4.1
NEIC 28 03:37:52.6, 0.7, 30.51N, 114.02W, h10km, mb4.2/11,
MD4.2(MEX), Error ellipse: s-maj=10.4km s-min=5.2km

ISC 28 03:37:54.7, 1.5, 30.62N, 113.72W, h0km, mb4.2/3,
mb1.4, 0.9, mb1mx3.7/69, mbmp3.7/9, ML3.4/6, MS3.5/33,
Ms1.3, 5/33, ms1mx3.4/66, Error ellipse: s-maj=24.6km
s-min=10.3km az=32.0

ISC 28 03:37:53.0, 2.4, 30.62N, 0.06, 114.00W, 0.04,
h16km, 16km, n119, s191/96, mb4.7/6, MS3.6/28, Gulf of
California

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like 121A, 121A, W18A, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FSK, MGNA, PVL, PYL, etc.

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

NIED 28 04:20:00, 37.50N, 143.50E, h5km, Mw3.7 Best double couple: M=4.48000, 1014 NP1=3.4, 0.00000, 327.00000, ...

IDC 28 04:20:11.6, 1.0, 37.30N, 143.86E, h0km, mb3.8/9, mb1.4/0.14, mb1mx3.776, mbtmp3.914, ML3.9/4, MS3.0/4, ...

ISCJB 28 04:20:13.3, 0.4, 37.45N, 143.67E, 0.0, 4, h33km, mb4.3/17, MS3.5/2, Error ellipse: s-maj=4.4km s-min=4.1km az=24.8

JMA 28 04:20:14.8, 0.2, 37.48N, 143.53E, h50km, M4.0 NEIC 28 04:20:16.0, 0.5, 37.31N, 143.82E, h35km, mb4.6/8, Error ellipse: s-maj=12.4km s-min=10.2km az=36.0

ISC 28 04:20:14.9, 0.7, 37.44N, 143.05E, 143.74E, 0.0, 4, h35km, n61, s=24.71, mb4.2/17, Off east coast of Honshu

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1N13, H1S1, H1S2, etc.

DJA 28 05:10:55.0, 1.0, 3.7N, 4.96E, h16km, 4km, M3.6/7, ML3.6/7, Off west coast of northern Sumatera

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

IDC 28 05:23:35.9, 1.9, 13.26N, 88.03W, h0km, mb3.4/3, mb1.3/8.4, mb1mx3.4/6, mbtmp3.4/4, ML2.7/2, Error ellipse: s-maj=90.2km s-min=20.1km az=39.0, EI Salvador

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

CNRM 28 05:26:44.5, 37.30N, 4.17W, h25km, ML3.1 MDD 28 05:26:48.1, 0.3, 37.60N, 4.29W, h21km, 2km, mbLg2.3/13, Error ellipse: s-maj=3.5km s-min=2.7km az=36.0, PRXIMO INMG 28 05:26:48.2, 1.0, 37.60N, 4.29W, h24km, 3km, ML2.1, Error ellipse: s-maj=2.5km s-min=1.3km az=23.0

IGL 28 05:26:48.0, 37.58N, 4.30W, h25km, ISC 28 05:26:45.9, 1.1, 37.84N, 0.03, 4.30W, 0.02, h16km, 10km, n50, c=996/64, 2D, Spain

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

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

MEX 28 05:33:59.7, 0.7, 29.97N, 114.28W, h16km, 1765km, MD4.2, Baja California

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

MAN 28 05:48:10.5, 10.22N, 124.98E, h54km, mb4.0, ML2.8, MS2.4, 2C, Leyte

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

28d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Miguel, Tecapa, San Vicente, Conchagua, Cosiguina Volc, El Faro, Serv Nac Est T, Colinas, La Fuente, Boqueron, San Blas, San Jose, El Retiro, Cerro Negro, Copaltepe, Tegucigalpa, Apoyeque, Las Pilas, Estel, Managua, Masaya, Matagalpa, BOACO BROADBAND, BOACO BROADBAND, El Apazote, Concepcion, MESS, CUI, JTS, JuntasAbangare, Matias Romero, Tegich, Mridia, Isla Barro Col, Univ. de Panam, West Bay, Frank Sound, Tlapa, UPEZ, The Bluff, Cay, Capurgana, Universidad Na, UNM, MTJD, PAYS, UREC, JRQG, MOIG, 062Z, PLMC, HELC, ZARC, YOTC, HORQ, GTEV, PUERTO BERRIO, 061Z, NORC, ANIL, TOLC, 059Z, POPC, OCAC, SOTA, PCON, MARP, OTAV, OTAV, 060Z, GCUF, CRUC, 058A, LNIG, 059A, ROSC, ROSC, ROSC, GIRC, GUEC, PRAC, 957A, BETC, BARC, 958A, 060A, 959A, CHIC, RUSC, ZAIG, DWPF, DWPF, VILC.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like Chauvin, Port Sulphur, Kempfer Cattle, San Juan de Ar, Kingsville, Oxford, YOPC, Edgard, Horshoe Beac, TAME, Arauca, Slidel, White Castle, Willston, Hunter Patters, Lake Helen, Lynn Haven, Morse, Lake Charles, Crawfordville, Santo Domingo, Santo Domingo, Perry, Interlachen, Bunnell, Amite, Lucedale, Poplarville, Paces, Pine Grove, McAlpin, McAlpin, Crestview, Bay Minette, Lake Butler, Delano Plantat, Mamou, Marianna, Orange Park, Hockley, Hockley, DeHidder, Brewton, Chaparral WMA, Chaparral WMA, Guitman, Thompson Farm, Repton, Big Creek Wild, Saraland, Jackson, Jackson, Stateville, Dozier, Westbrook Farm, Westbrook Farm, Flagon Creek P, Flagon Creek P, Hilliard, Kurthwood, Kurthwood, Yule, Blakely, Blakely, Camilla, Tifton, Tifton, Jackson Lee, Camden, Waterproof, Quitman, Little AP, Sta, Grady, Grady, Dixon Mills, Avery, Jackson, Blackshear, Vicksburg, Vicksburg, Grayson, Midway.

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Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like Lumpkin, Mo Tay, Golden, Mo Tay, Golden, Americus, Americus, Nacogdoches, Nacogdoches, Jarell, Jarell, Abbeville, Hunter Patters, Hunter Patters, Houston Renfro, Union, Union, Livingston, Livingston, Alexander Plac, Hazlehurst, Hazlehurst, Eclectic, Opelika, Montee, Socs Landing, Socs Landing, Glennville, Papa Simpson, Waverly Hill, Waverly Hill, Lakeview Retre, Lakeview Retre, Cam and Jess, Cam and Jess, Fort Valley, Louisville, Carrollton, Skidaway Island, Junction City, Junction City, Junction City, Junction City, Junction City, Junction City, Columbia, Pea Ridge, Bel, Armstrong Fami, Winona, Winona, Northport, Ashland, Ashland, Kite, Norel Spur, Williamson, Franklin, Richland Creek, Richland Creek, Lake Whitney, Long Farm, Mag, Sylvania, Monticello, Year Farm, Houston, UCPARC Winfie, Sparta, Godfrey, Godfrey, Godfrey, Godfrey, Godfrey, Jasper, Blount Mountain, Blount Mountain, Strider, Charl, Makaya and Ka, Garnett, Star, Piedmont, Blythe, Cabo Rojo, PR.

MPR	Mayaguez	comp=Z,159nm,1.5s	21.54	72	eP	P	06 13 03.3 +1.0
CCAR	Cane Creek	comp=Z,86nm,1.5s	21.54	353	eP	P	06 13 04.0 +1.9
Y51A	Rockmart	comp=Z,171nm,1.9s	21.59	8	P	P	06 13 02.7 -0.1
Y41A	Egglette Beard	baz=190,SNR=18	21.62	351	P	P	06 13 03.6 +0.6
Y52A	Liburn	baz=170,SNR=6.7	21.72	10	eP	P	06 13 05.0 +0.9
Y52A	Liburn	comp=Z,222nm,1.8s	21.72	10	P	P	06 13 04.4 +0.4
Y52A	Liburn	baz=192	21.79	20	eP	P	06 13 05.3 +0.6
RGRS	Roger Stewart	comp=Z,409nm,0.9s	21.80	11	P	P	06 13 05.0 +0.1
Y53A	Monroe	baz=193,SNR=14	21.82	323	eS	S	06 13 07.5 +0.5
LTX	Lajitas		21.82	323	eS	S	06 13 07.5 +0.3
LTX	Lajitas		21.82	323	eS	S	06 13 07.5 +0.3
LTX	Lajitas		21.82	323	eS	S	06 13 07.5 +0.3
LTX	Lajitas		21.82	323	eS	S	06 13 07.5 +0.3
TXAR	Lajitas Array	comp=Z,44nm,0.8s,baz=148,slow=11,SNR=105	21.82	323	S	P	06 13 07.5 +0.7
TXAR		comp=Z,3.8nm,1.0s,baz=126,slow=4.6,SNR=6.0			PcP	PcP	06 20 43.9 +3.6
TXAR		comp=Z,0.5nm,0.8s,baz=164,slow=4.4,SNR=3.6			ScP	ScP	06 23 32.8
TXAR		comp=Z,2.0um,19.7s,baz=0.0,slow=42			LR	LR	06 13 05.5 +0.3
TX31	Lajitas Ar. Si		21.82	323	eP	P	06 13 05.6 +0.1
Y40A	Okolona	21.86	350	P	P	06 13 05.6 -0.1	
X45A	UM Field Stati	baz=163,SNR=20	21.87	358	P	P	06 13 05.6 -0.1
AOPR	Arecibo Observ	baz=178	21.93	72	eP	P	06 13 06.8 +0.4
X48A	Hartselle	comp=Z,140nm,1.6s	21.94	4	eP	P	06 13 07.4 +1.0
X48A	Hartselle	comp=Z,110nm,1.8s	21.94	4	P	P	06 13 05.7 -0.7
X48A	Hartselle	baz=184	21.96	358	eP	P	06 13 07.8 +1.2
OXF	Oxford	comp=Z,104nm,1.1s	21.96	358	eP	P	06 13 07.8 +1.2
OXF	Oxford		21.96	358	eP	P	06 13 06.3 -0.4
OXF	Oxford	baz=178	21.97	2	P	P	06 13 05.9 -0.8
X47A	Russellville	baz=182,SNR=13	21.98	19	eP	P	06 13 08.2 +1.4
NHSC	New Hope	comp=Z,151nm,1.0s	21.98	19	eP	P	06 13 07.1 +0.3
NHSC	New Hope	comp=Z,3um,21.0s	21.98	19	P	P	06 13 06.2 -0.6
NHSC	New Hope	baz=203	21.98	19	P	P	06 13 08.8 +1.2
X44A	Crenshaw	baz=176	21.99	152	P	P	06 20 31.0
ATAH	Atahualpa	comp=Z,35nm,1.0s,baz=340,slow=9.0,SNR=22	21.99	152	P	P	06 13 06.8 -0.2
ATAH	Atahualpa	comp=Z,4um,21.4s,baz=339,slow=34	22.00	13	P	P	06 13 06.9 -0.1
Y54A	Tignal	baz=196	22.00	13	P	P	06 13 08.7 +1.5
X46A	Boonville	22.00	0	P	P	06 13 08.8 +1.2	
OBIP	Obispo Ponce	comp=Z,106nm,1.7s	22.05	355	eP	P	06 13 06.6 -0.9
X43A	Marvell	comp=Z,427nm,1.8s	22.05	355	P	P	06 13 04.9 -2.8
X43A	Marvell	baz=174	22.06	5	P	P	06 13 06.2 -1.7
X49A	Woodville	22.07	7	P	P	06 13 07.9 -0.8	
X50B	Fort Payne	baz=188	22.16	354	P	P	06 13 09.6 +0.3
X42A	Stuttgart	baz=172,SNR=5.7	22.21	352	P	P	06 13 10.5 +0.8
X41A	Kaden, Bauxite	baz=170,SNR=17	22.25	351	eP	P	06 13 11.2 +1.1
X40A	Basin Creek Fa	comp=Z,99nm,1.3s	22.25	351	eP	P	06 13 07.8 -2.3
X40A	Basin Creek Fa	baz=169,SNR=16	22.28	8	eP	P	06 13 11.0 -0.6
X51A	Calhoun	comp=Z,242nm,1.8s	22.28	8	P	P	06 13 11.8 +0.1
X51A	Calhoun	baz=190	22.43	349	eP	P	06 13 11.8 +0.1
PLAL	Pickwick Lake	comp=Z,152nm,2.0s	22.43	349	eP	P	06 13 11.0 -0.6
MIAR	Mount Ida	comp=Z,101nm,0.9s	22.43	349	eP	P	06 13 11.8 +0.1
MIAR	Mount Ida	comp=Z,3um,21.0s	22.43	349	eP	P	06 13 11.8 +0.1
MIAR	Mount Ida	comp=Z,101nm,0.9s	22.43	349	eP	P	06 13 11.0 -0.7
MIAR	Mount Ida	comp=Z,3um,21.0s	22.43	349	eP	P	06 13 11.0 -1.0
MIAR	Mount Ida	baz=167,SNR=65	22.44	73	P	P	06 13 12.5 +0.5
SJG	San Juan	comp=Z,9.1nm,0.7s,baz=319,slow=5.2,SNR=3.7	22.44	73	P	P	06 13 09.4 -2.6
SJG	San Juan	comp=Z,139nm,1.8s	22.44	73	P	P	06 13 10.7 -1.2
SJG	San Juan	comp=Z,6um,20.0s	22.44	73	eP	P	06 13 10.1 -1.8
ABTX	Ablene, Hawle	comp=Z,97nm,1.5s	22.45	335	P	P	06 13 12.1 +0.1
ABTX	Ablene, Hawle	baz=151,SNR=39	22.46	352	eP	P	06 13 10.2 -2.0
UALR	University of	comp=Z,6nm,1.8s	22.47	10	P	P	06 13 11.9 -0.6
X52A	Dahlonaga	baz=192	22.50	348	P	P	06 13 12.5 -0.7
X53A	Estanollee	22.58	1	P	P	06 13 12.9 -0.6	
X39A	Fountain Ranch	baz=166,SNR=27	22.60	359	P	P	06 13 12.2 -1.3
W46A	Michie	baz=181	22.60	356	P	P	06 13 11.9 -1.6
W45A	Hickory Valley	baz=173,SNR=6.7	22.60	356	P	P	06 13 13.1 -0.8
W43A	Forest City	baz=175	22.63	4	P	P	06 13 13.1 -1.1
W44A	Shelby Farms P	baz=177	22.66	5	P	P	06 13 13.8 -0.9
W48A	Pulaski	baz=184,SNR=10	22.71	2	P	P	06 13 14.5 -0.5
W49A	Belvidere	baz=186	22.72	7	eP	P	06 13 14.9 -0.4
W47A	Westpoint	baz=183,SNR=11	22.75	16	eP	P	06 13 16.7 +1.7
HUMP	Col San Antoni	comp=Z,101nm,1.5s	22.75	16	eP	P	06 13 16.7 +1.7
CBYP	Canoyvas	comp=Z,134nm,1.7s	22.75	72	eP	P	06 13 15.6 0.0
JSC	Jenkinsville	comp=Z,115nm,1.2s	22.79	6	eP	P	06 13 16.6 +0.6
JSC	Jenkinsville	comp=Z,151nm,1.2s	22.79	6	eP	P	06 13 14.8 -1.2
SWET	Sewanee	comp=Z,161nm,1.8s	22.84	352	eP	P	06 13 15.8 -0.3
W41B	Gary Mavity, V	comp=Z,427nm,1.0s	22.84	7	P	P	06 13 14.1 -2.0
W41B	Gary Mavity, V	baz=171,SNR=21	22.84	7	P	P	06 13 15.7 -0.5
W50A	Signal Mountai	comp=Z,110nm,1.8s	22.84	7	P	P	06 13 15.0 -1.4
W42A	Bald Knob	baz=188	22.86	354	P	P	06 13 18.0 +0.9
W51A	Cleveland	baz=173,SNR=12	22.88	8	P	P	06 13 16.6 -0.5
W52A	Murphy	baz=190	22.94	10	eP	P	06 13 17.7 +0.4
W52A	Murphy	comp=Z,72nm,1.4s	22.94	10	eP	P	06 13 17.7 +0.4
WHAR	Woolly Hollow	baz=192	22.98	351	eP	P	06 13 16.1 -1.3
W40A	Ferguson Farm,	comp=Z,141nm,1.4s	22.98	351	eP	P	06 13 17.5 +0.1
W40A	Ferguson Farm,	comp=Z,187nm,1.1s	22.98	351	eP	P	06 13 17.9 +0.1
MTP	Monte Pirata	baz=169,SNR=5.8	23.00	73	eP	P	

BG3	Lake Joassee	comp=Z,35nm,0.8s	23.03	12	eP	P	06 13 18.4 +0.4
SLBS	Sierra La Lagu	comp=Z,208nm,1.7s	23.05	302	eP	P	06 13 20.1 +1.6
HBAR	Harrisburg	comp=Z,121nm,1.9s	23.06	356	eP	P	06 13 19.2 +1.0
W39A	Magazine	comp=Z,363nm,1.2s	23.10	349	eP	P	06 13 18.3 -0.4
W39A	Magazine	comp=Z,198nm,1.5s	23.10	349	P	P	06 13 18.7 0.0
PAULI	Pauline	baz=167,SNR=29	23.12	15	eP	P	06 13 20.6 +1.7
W53A	Culpeper	comp=Z,37nm,1.3s	23.16	12	P	P	06 13 18.5 -0.9
W45A	Humboldt	baz=194	23.18	359	P	P	06 13 18.0 -1.5
CPCT	Cove Cave	baz=179	23.20	9	eP	P	06 13 20.1 +0.5
W48A	Smith Brothers	comp=Z,53nm,1.3s	23.24	4	eP	P	06 13 19.8 -0.3
W48A	Smith Brothers	comp=Z,76nm,1.5s	23.24	4	P	P	06 13 18.3 -1.8
W46A	Holladay	baz=184	23.24	1	P	P	06 13 18.7 -1.4
W43A	Jonesboro	baz=181	23.28	356	P	P	06 13 19.7 -0.8
V47A	Nunnely	comp=Z,182nm,1.6s	23.29	2	P	P	06 13 18.8 -1.8
V44A	Blytheville	baz=183,SNR=8.7	23.29	358	P	P	06 13 19.5 -1.1
V50A	Pikeville	23.34	7	P	P	06 13 20.5 -0.6	
V49A	McMinnville	baz=189	23.34	6	P	P	06 13 20.2 -0.9
HALT	Halls	baz=187	23.36	359	eP	P	06 13 20.2 -1.0
V42A	Cord	comp=Z,173,SNR=26	23.37	354	P	P	06 13 21.9 -0.1
GNAR	Gosnell	comp=Z,294nm,1.7s	23.43	357	eP	P	06 13 21.3 -0.7
V41A	Mountainview	baz=171,SNR=38	23.52	10	P	P	06 13 22.1 -0.8
TKL	Tuckaleechee C	comp=Z,25nm,0.8s,baz=186,slow=12,SNR=19	23.52	10	eP	P	06 23 41.0
TKL	Tuckaleechee C	comp=Z,65nm,0.9s	23.52	10	eP	P	06 13 22.6 -0.2
TKL	Tuckaleechee C	comp=Z,65nm,0.9s	23.52	10	eP	P	06 13 22.6 -0.2
TKL	Tuckaleechee C	comp=Z,65nm,0.9s	23.52	10	eP	P	06 13 22.6 -0.2
LPIG	La Paz	comp=Z,3um,18.5s,baz=123,slow=39	23.53	302	P	P	06 13 22.9 -0.2
LPIG	La Paz	comp=Z,6.3nm,0.2s,baz=30,slow=4.4,SNR=6.9	23.53	302	P	P	06 23 20.4
V40A	Witts Springs	comp=Z,3um,18.5s,baz=123,slow=39	23.54	352	eP	P	06 13 22.8 -0.3
V40A	Witts Springs	comp=Z,60nm,0.9s	23.54	352	P	P	06 13 22.2 -0.9
KMCS	Kings Mountain	baz=170,SNR=37	23.54	15	eP	P	06 13 23.5 +0.4
KMCS	Kings Mountain	comp=Z,205nm,1.9s	23.54	15	P	P	06 13 22.9 -0.2
V51A	Loudon	comp=Z,138nm,1.8s	23.57	9	P	P	06 13 23.9 +0.6
V51A	Loudon	baz=190	23.57	9	P	P	06 13 22.0 -1.3
WVT	Waverly	comp=Z,99nm,1.8s	23.58	2	eP	P	06 13 23.6 +0.2
WVT	Waverly	baz=182	23.58	2	eP	P	06 13 23.6 +0.2
WVT	Waverly	comp=Z,99nm,1.8s	23.58	2	eP	P	06 13 20.4 -3.0
STVI	Saint Thomas	baz=182	23.60	73	eP	P	06 13 22.5 -1.3
PCRV	Puerto La Cruz	comp=Z,194nm,1.3s	23.69	93	P	P	06 13 24.9 +0.1
V39A	Pettigrew	comp=Z,10nm,0.6s,baz=230,slow=4.8,SNR=9.8	23.70	350	P	P	06 13 23.6 -1.0
V53A	Saluda	baz=188,SNR=26	23.71	12	eP	P	06 13 25.5 +0.8
V53A	Saluda	comp=Z,70nm,1.3s	23.71	12	P	P	06 13 24.4 -0.3
GLAT	Glass	baz=194	23.71	359	eP	P	06 13 23.5 -1.2
V52A	Sevierville	comp=Z,130nm,1.1s	23.73	10	eP	P	06 13 25.7 +0.8
V52A	Sevierville	comp=Z,97nm,1.5s	23.73	10	P	P	06 13 24.6 -0.2
UTMT	University of	comp=Z,103nm,1.1s	23.78	360	eP	P	06 13 25.8 +0.5
U44B	Burton Farm, H	baz=178	23.78	359	P	P	06 13 23.2 -2.2
U45A	Rockin P Farm,	baz=180	23.79	360	P	P	06 13 23.8 -

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Table with columns: Call Sign, Name, Time, Power, Polarity, Azimuth, Elevation, and other parameters. Includes stations like Q49A Aurora, BLO Bloomington, Q39A Willow Grove, etc.

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Table with columns: Call Sign, Name, Time, Power, Polarity, Azimuth, Elevation, and other parameters. Includes stations like O52A Adamsville, N41A Harden Midland, N41A Harden Midland, etc.

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Table with columns: Call Sign, Name, Time, Power, Polarity, Azimuth, Elevation, and other parameters. Includes stations like Q24A Divide, Q24A Divide, K40A Colesburg, etc.

ECSD	comp=Z,3um,21.0s EROS Data Cent baz=165,SNR=11	31.90 349	P	P	06 14 36.1 -2.0	SHPR	baz=123 Sheep Range comp=Z,20nm,1.8s	33.75 320	eP	P	06 14 55.1 +0.6
H43A	Windswep, Lux baz=181	31.91 1	eP	P	06 14 36.2 -1.9	K22A	Casper comp=Z,38nm,1.7s	33.83 336	eP	P	06 14 56.0 +0.9
H42A	Shiocton comp=Z,24nm,1.2s	31.94 0	P	P	06 14 36.1 -2.2	K22A	Casper baz=148,SNR=6.8	33.83 336	P	P	06 14 54.1 -1.1
H42A	Shiocton baz=180	31.94 0	P	P	06 14 36.4 -1.9	E43A	Lone Tree Farm comp=Z,39nm,1.8s	33.83 2	eP	P	06 14 53.4 -1.5
U15A	North Rim comp=Z,21nm,1.9s	31.94 322	eP	P	06 14 40.3 +1.4	E43A	Lone Tree Farm baz=183	33.83 2	P	P	06 14 52.4 -2.5
H41A	Junction City comp=Z,27nm,1.2s	32.05 359	eP	P	06 14 38.1 -1.3	E39A	Mellen baz=177,SNR=29	33.84 358	P	P	06 14 52.8 -2.1
H41A	Junction City baz=178	32.05 359	P	P	06 14 36.9 -2.5	E42A	Champion baz=181	33.86 1	P	P	06 14 52.4 -2.8
H40A	Chili baz=179	32.08 358	P	P	06 14 37.5 -2.1	E40A	Wakefield comp=Z,35nm,1.8s	33.89 358	P	P	06 14 53.4 -2.0
SWSC	Sam W. Stewart baz=123	32.10 314	P	P	06 14 39.7 -0.3	E41A	Kenyon baz=178,SNR=27	33.89 360	P	P	06 14 53.2 -2.2
N23A	Red Feather La comp=Z,52nm,1.9s	32.12 335	eP	P	06 14 40.7 +0.3	E45A	Wooded Hills, baz=186	33.91 4	P	P	06 14 53.1 -2.5
N23A	Red Feather La baz=184	32.12 335	P	P	06 14 38.3 -2.0	RRX	Edison Barstow baz=124	34.00 316	P	P	06 14 56.5 -0.1
IKP	In-Ko-Pah, Jac baz=122	32.16 313	P	P	06 14 39.6 -1.0	FLSC	Flash Two Peak San Clemente I	34.08 316	eP	P	06 14 57.3 +0.7
H39A	Augusta baz=173,SNR=7.0	32.18 357	P	P	06 14 38.1 -2.4	SCI2	San Clemente I baz=120	34.09 312	eP	P	06 14 56.9 -0.4
H37A	Dierke Farm, C baz=172,SNR=29	32.21 354	P	P	06 14 38.8 -2.0	MPU	Maple Canyon comp=Z,17nm,1.1s	34.10 328	eP	P	06 14 57.8 +0.2
H38A	Maiden Rock baz=173,SNR=24	32.25 355	P	P	06 14 39.4 -1.7	SHOC	Shoshone, Tec baz=126	34.10 318	P	P	06 14 57.1 -0.3
BC3	Big Chualar baz=124,SNR=13	32.26 315	P	P	06 14 41.7 +0.2	BFSC	Mount Baldy Ra baz=122,SNR=7.4	34.11 314	P	P	06 14 56.1 -1.5
PHWY	Pilot Hill comp=Z,16nm,0.9s	32.27 336	eP	P	06 14 41.8 +0.2	GSC	Goldstone, Bar comp=Z,9.8nm,1.1s	34.11 317	eP	P	06 14 57.4 -0.2
H36A	Jesseeland, He baz=170,SNR=95	32.32 353	P	P	06 14 40.3 -1.4	GSC	Goldstone, Bar comp=Z,10.0nm,1.1s	34.11 317	eP	P	06 14 57.4 -0.2
IRM	Iron Mountain baz=126	32.34 316	P	P	06 14 41.1 -0.9	GSC	Goldstone, Bar baz=125	34.11 317	P	P	06 14 58.0 +0.4
NEE2	Needles Airpor comp=Z,34nm,0.9s	32.34 318	P	P	06 14 41.5 -0.5	E38A	The Farm, Brul baz=127	34.12 356	eP	P	06 14 56.5 -0.9
GLMI	Graying comp=Z,34nm,0.9s	32.44 5	eP	LR	06 14 43.0 +0.2	E38A	The Farm, Brul baz=175,SNR=5.5	34.12 356	P	P	06 14 55.4 -2.0
GLMI	Graying baz=187	32.44 5	P	P	06 14 40.2 -2.5	E44A	Grand Marais A baz=181	34.13 3	P	P	06 14 57.0 -0.5
O20A	White River Ci comp=Z,45nm,1.0s	32.51 331	eP	P	06 14 44.5 +0.8	RSSD	Black Hills comp=Z,16nm,0.7s	34.20 340	eP	P	06 14 58.9 +0.5
O20A	White River Ci baz=143,SNR=31	32.51 331	P	P	06 14 43.7 0.0	RSSD	Black Hills baz=153	34.20 340	eP	P	06 14 58.9 +0.5
MONP2	Monument Peak baz=122	32.52 313	P	P	06 14 43.0 -0.9	RSSD	Black Hills comp=Z,16nm,0.7s	34.20 340	P	P	06 14 57.9 -0.5
H35A	Sunnyside Ranc baz=169,SNR=19	32.55 352	P	P	06 14 41.6 -2.1	CIS	Catalina Islan baz=120	34.21 312	P	P	06 14 57.4 -1.0
G41A	Antigo baz=179	32.64 359	P	P	06 14 41.4 -3.1	LONY	Lake Ozonia comp=Z,56nm,1.5s	34.25 18	eP	LR	06 14 57.6 -0.9
G42A	Mountain comp=Z,22nm,1.0s	32.67 0	eP	P	06 14 42.0 -2.7	LONY	Lake Ozonia comp=Z,3um,19.0s	34.25 18	P	P	06 14 56.7 -1.9
G42A	Mountain baz=180	32.67 0	P	P	06 14 42.3 -2.5	PSUT	Pine Spring comp=Z,7.6nm,0.8s	34.28 324	eP	P	06 14 59.7 +0.5
G43A	Wallace comp=Z,14nm,1.9s	32.70 1	eP	P	06 14 42.7 -2.3	PSUT	Fort Macarthur baz=121	34.28 313	eP	P	06 17 36.2 +1.0
G43A	Wallace baz=182	32.70 1	P	P	06 14 43.1 -1.9	FMP	Fort Macarthur baz=121	34.28 313	P	P	06 14 58.9 -0.1
G38A	Ridgeland baz=174,SNR=16	32.71 356	P	P	06 14 42.9 -2.3	NLU	North Lily Min comp=Z,25nm,1.7s	34.29 327	eP	P	06 15 01.4 +2.2
G40A	Rib Lake comp=Z,33nm,1.0s	32.72 358	eP	P	06 14 44.0 -1.3	MWC	Mount Wilson comp=Z,33nm,1.1s	34.38 314	eP	P	06 15 01.4 +1.4
G40A	Rib Lake baz=177,SNR=12	32.72 358	P	P	06 14 43.5 -1.7	MWC	Mount Wilson comp=Z,33nm,1.1s	34.38 314	eP	P	06 15 01.4 +1.4
G39A	Holcombe baz=176,SNR=21	32.78 357	P	P	06 14 42.4 -3.4	MWC	Mount Wilson comp=Z,23nm,1.1s	34.38 314	eP	P	06 15 01.8 +1.3
BELC	Belle Mtn. Jos baz=124	32.83 315	P	P	06 14 45.4 -1.1	JLU	Jordanelle comp=Z,20nm,1.5s	34.44 329	P	P	06 15 01.8 +1.3
SPMN	Marine on St. comp=Z,104nm,0.8s	32.84 355	eP	P	06 14 44.2 -2.1	D41A	Chassel baz=180	34.49 0	P	P	06 15 00.4 -0.2
SPMN	Marine on St. baz=172,SNR=51	32.84 355	P	P	06 14 43.9 -2.4	DECC	Green Verdugo baz=122	34.59 314	P	P	06 15 01.0 -0.7
SRU	San Rafael Swe comp=Z,30nm,1.9s	32.85 328	eP	P	06 14 48.0 +1.3	CTU	Camp Tracy comp=Z,12nm,1.0s	34.66 328	eP	P	06 15 03.1 +0.8
SRU	San Rafael Swe comp=Z,30nm,1.9s	32.85 328	eP	P	06 14 48.0 +1.3	EDW2	Edwards Air Fo comp=Z,21nm,1.1s	34.69 315	P	P	06 15 02.8 +0.2
LCMT	Little Creek M comp=Z,5nm,0.9s	32.90 322	eP	P	06 14 48.0 +0.9	TPNV	Topopah Spring comp=Z,6.0nm,0.9s	34.72 319	eP	P	06 15 04.0 +1.1
XPFO	Piazon Flat comp=Z,17nm,1.2s	32.93 314	eP	P	06 14 48.5 +1.1	TPNV	Topopah Spring comp=Z,6.0nm,0.9s	34.72 319	eP	P	06 15 04.0 +1.1
PFO	Pinyon Flats O comp=Z,15nm,1.1s	32.93 314	eP	LR	06 14 49.0 +1.6	TPNV	Topopah Spring comp=Z,6.0nm,0.9s	34.72 319	eP	P	06 15 02.4 -0.5
PFO	Pinyon Flats O comp=Z,3um,19.0s	32.93 314	P	P	06 14 48.1 +0.7	FRNY	Flat Rock comp=Z,7.6nm,1.8s	34.75 19	eP	P	06 15 02.0 -0.9
FRD	Ford Ranch, An baz=123	32.97 314	P	P	06 14 48.7 +1.0	LBNH	Lisbon baz=210	34.79 21	P	P	06 15 01.2 -1.9
MTPU	Mount Pierson comp=Z,64nm,2.0s	32.98 325	eP	P	06 14 48.3 +0.3	TCUT	Toone Canyon comp=Z,106nm,1.9s	34.80 329	eP	P	06 15 04.4 +0.8
M65A	Busby, Falmout baz=214	33.00 25	P	P	06 14 46.3 -1.4	LRMC	Lauri Mtn Rad baz=124	34.80 316	P	P	06 15 04.3 +0.7
109C	Camp Elliot, M baz=121	33.00 313	P	P	06 14 47.8 -0.1	FURC	Furnace Creek, baz=126	34.82 318	P	P	06 15 03.6 0.0
GMRC	Granite Mounta baz=126,SNR=6.6	33.05 317	P	P	06 14 48.2 -0.2	DUG	Dugway, Tooele comp=Z,7.4nm,1.0s	34.85 327	eP	LR	06 15 04.9 +0.9
SUSD	Miller baz=161,SNR=7.3	33.07 346	P	P	06 14 45.4 -2.9	DUG	Dugway, Tooele comp=Z,2um,19.0s	34.85 327	eP	P	06 15 04.9 +0.9
SAML	Samuel comp=Z,81nm,1.4s	33.09 129	eP	LR	06 14 48.0 -0.7	DUG	Dugway, Tooele comp=Z,7.0nm,1.0s	34.85 327	eP	P	06 15 04.9 +0.9
SAML	Samuel comp=Z,2um,22.0s	33.09 129	eP	P	06 14 48.0 -0.7	DUG	Dugway, Tooele comp=Z,2um,19.0s	34.85 327	eP	P	06 15 03.7 -0.3
SAML	Samuel comp=Z,81nm,1.4s	33.09 129	eP	P	06 14 48.0 -0.7	SNCC	San Nicolas Is baz=119	34.94 311	P	P	06 15 03.3 -1.3
SAML	Samuel comp=Z,2um,22.0s	33.09 129	eP	P	06 14 48.0 -0.7	MPMC	Manual Prospec baz=125,SNR=4.8	35.00 317	P	P	06 15 05.5 +0.1
P18A	Preston Nutter comp=Z,12nm,0.7s	33.10 329	eP	P	06 14 49.0 0.0	BLG	Laguna Peak, P baz=121	35.03 313	P	P	06 15 05.9 +0.4
F41A	Three Lakes comp=Z,9.7nm,0.9s	33.17 359	eP	P	06 14 47.0 -2.1	OSI	Osito Audit: C baz=122	35.05 314	P	P	06 15 05.2 -0.5
F41A	Three Lakes baz=179	33.17 359	P	P	06 14 46.6 -2.5	LPAZ	La Paz comp=Z,3.3nm,1.1s,baz=314,slow=5.2,SNR=10	35.06 144	P	P	06 15 06.2 -0.3
F42A	Maple Grove Fa baz=181	33.19 1	P	P	06 14 48.0 -1.3	LPAZ	La Paz comp=Z,2um,19.5s,baz=323,slow=37	35.06 144	eP	P	06 15 06.2 -0.3
SZCU	Shurtz Canyon comp=Z,5.7nm,0.8s	33.20 323	eP	P	06 14 50.4 +0.7	LPAZ	La Paz comp=Z,2um,19.5s,baz=323,slow=37	35.06 144	eP	P	06 15 06.4 -0.1
SADO	Sadowa comp=Z,8nm,0.3s,baz=216,slow=9.1,SNR=7.4	33.22 12	eP	P	06 14 47.2 -2.4	LPAZ	La Paz comp=Z,2um,19.5s,baz=323,slow=37	35.06 144	eP	P	06 15 06.2 -0.3
SADO	Sadowa baz=183	33.22 12	eP	P	06 14 48.5 -1.1	LPAZ	La Paz comp=Z,2um,19.5s,baz=323,slow=37	35.06 144	eP	P	06 15 06.4 -0.1
F45A	CMU Biological baz=186	33.22 4	P	P	06 14 46.5 -3.1	R11A	Troy Canyon, C comp=Z,13nm,1.9s	35.18 322	eP	P	06 15 07.6 +0.7
P17A	Butcher Ranch, comp=Z,17nm,1.1s	33.23 328	eP	P	06 14 50.9 +0.9	R11A	Troy Canyon, C comp=Z,13nm,1.9s	35.18 322	eP	P	06 15 07.6 +0.7
F43A	Flat Rock, Esc baz=183	33.28 2	P	P	06 14 46.4 -3.7	BW06	Boulder Array comp=Z,36nm,1.9s	35.20 333	eP	P	06 15 06.8 -0.3
RWWY	Rawlins comp=Z,239nm,2.0s	33.31 334	eP	P	06 14 51.4 +0.7	BW06	Boulder Array comp=Z,2um,21.0s	35.20 333	P	P	06 15 06.5 -1.5
MSU	Marysville comp=Z,12nm,0.7s	33.31 325	eP	P	06 14 51.2 +0.4	BW06	Boulder Array baz=143	35.20 333	P	P	06 15 07.2 +0.2
MSU	Marysville comp=Z,9.7nm,0.9s	33.31 325	eP	P	06 14 51.2 +0.4	PDAR	Pinedale Array comp=Z,2.4nm,0.8s,baz=124,slow=10.0,SNR=18	35.20 333	P	P	06 15 06.5 -0.6
F37A	Hirrichs Farm, baz=173,SNR=11	33.32 355	P	P	06 14 46.2 -4.2	PDAR	Pinedale Array comp=Z,3.3nm,0.9s,baz=142,slow=3.4,SNR=6.9	35.20 333	P	P	06 17 37.8 -0.1
CCUT	Cedar City comp=Z,16nm,1.6s	33.33 323	eP	P	06 14 52.2 +1.3	PDAR	Pinedale Array comp=Z,0.2nm,0.6s,baz=146,slow=5.2,SNR=2.0	35.20 333	P	P	06 21 23.1 +1.4
TMUT	Trail Mountain comp=Z,8nm,1.0s	33.35 327	eP	P	06 14 51.7 +0.5	PDAR	Pinedale Array comp=Z,2um,20.5s,baz=142,slow=41	35.20 333	P	P	06 32 17.7
F40A	Park Falls baz=177,SNR=23	33.37 358	P	P	06 14 47.0 -3.8	PDAR	Pinedale Array comp=Z,2um,20.5s,baz=142,slow=41	35.20 333	P	P	06 15 06.0 -1.1
F46A	Macinaw City C baz=187	33.37 5	P	P	06 14 48.9 -1.9	PDAR	Pinedale Array comp=Z,2um,20.5s,baz=142,slow=41	35.20 333	P	P	06 17 38.3 +0.5
F39A	Loretta baz=176,SNR=8.0	33.40 357	P	P	06 14 48.8 -2.3	HWUT	Hardware Ranch comp=Z,91nm,1.9s	35.25 330	eP	P	06 15 08.4 +0.9
HRV	Adam Dzewonsk baz=211	33.43 23	P	P	06 14 48.9 -2.5	HWUT	Hardware Ranch comp=Z,91nm,1.9s	35.25 330	eP	LR	06 15 08.4 +0.9
MURC	Murrieta baz=122	33.44 314	P	P	06 14 51.9 +0.2	C40A	isle Royale Na baz=179	35.35 359	P	P	06 15 05.7 -2.2
F44A	Big Bay de Noc baz=184,SNR=8.2	33.46 3	P	P	06						

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CN2, ARU, KLR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KIV, ARCES, PETK, etc.

28d 7h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSP, DPC, RAYN, etc.

28d 8h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Mesa Verde, Soldiers Grove, Belmont, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Manual Prospec, Furnace Creek, Topopah Spring, etc.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Lummi Island, Yellowknife Ar, Toolik Lake Re, etc.

ADC 28 08:14:52.8-0.9,35.87N;141.11E,h0km,mb3.77, mb1.3&10,mb1mx3.6/74,mbtm3.7/10,ML3.7/3,Error ellipse: s-maj=24.1km s-min=16.6km az=88.0 JMA 28 08:14:56.9-0.1,35.87N;141.10E,h37km,1km,M3.5 Broadband fault plane solution: P waves. NP1: #48.00000; 870.00000; -1.87.00000; NP2:220.00000; 820.00000; -9.98.00000; Principal axes: T Pkg25.00000; Azm136.00000; N Pkg3.00000; Azm227.00000; P Pkg65.00000; Azm333.00000; ISC 28 08:14:55.7-1.6,35.89N,0.044,141.08E,0.07,h20km,6gkm, n27,-0.9428,mb3.8/8,1C-1D,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Choji, Itakohinouch, Hitachinakayam, etc.

NEIC 28 08:16:54.7,0.0,37.50N;118.83W,h5km,MD3.0(NCEDC), After NCEDC.

ISC 28 08:16:54.7-0.9,37.49N;0.02-118.84W;0.02,h7km,6km,n83,e0573/97,California-Nevada border region

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

Table with columns: LCO, ROCI, PEL, RTLS, AUSP, AUSSP, CLCH, CLCH, FSR, ANTU, AMOG, RTLL, RTVC, ASEL, ARCO, LAMEL, LMELE, AGUA, AAGR, VCA, ACAN, ACLC, APFL, RFLA, MRA, CCHI, CYA, CVA, CVA, CVA, TCA. Lists seismic stations and their data points.

ISC 28 08:27:43.5,0.6,14.71S;167.99E,h0km,mb4.3/17, mb1.4/4/19,mb1mx3.2/59,mbtmp4.3/19,ML4.8/2,MS3.5/6,Ms1.3/5.6,ms1mx3.0/52,Error ellipse: s-maj=19.4km s-min=15.9km az=126.0

ISC 28 08:27:47.4,0.3,14.77S;167.82E;0.05,h30km, mb4.4/34,MS3.5/4,Error ellipse: s-maj=9.1km s-min=6.1km az=158.8

NEIC 28 08:27:51.5,1.4,14.70S;167.84E,h54km,13km,mb4.4/23, Error ellipse: s-maj=9.1km s-min=7.9km az=54.0

ISC 28 08:27:48.6,0.5,14.72S;167.99E;0.07,h30km,n59, r1545/65,mb4.5/35,MS3.5/4,Vanuatu Islands

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

ISC 28 08:34:25.9,0.7,52.13N;171.17W,h0km,mb4.0/17, mb1.4/2/18,mb1mx3.9/92,mbtmp4.0/18,ML3.2/1,Error ellipse: s-maj=22.6km s-min=14.0km az=175.0

NEIC 28 08:34:28.1,0.0,51.87N;170.78W,h7km,mb4.4/14, ML3.7(AEIC),Alter AEIC.

ISCJB 28 08:34:30.9,0.3,52.10N;0.07;170.92W;0.04,h42km, mb4.2/28,Error ellipse: s-maj=10.3km s-min=2.8km az=193.6

ISC 28 08:34:32.5,0.6,52.22N;0.1;170.95W;0.05,h42km,n94, r1874/93,mb4.3/28,Fox Islands

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

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

ISC 28 08:31:22.3,0.4,28.79N;105.81;81.95E;0.06,h10km, mb4.1/20,Error ellipse: s-maj=7.8km s-min=6.5km az=138.8

ISC 28 08:31:22.0,1.2,28.76N;81.87E,h0km,mb3.8/10, mb1.3/9/12,mb1mx3.6/79,mbtmp3.8/12,ML4.2/2,Error ellipse: s-maj=42.5km s-min=16.7km az=58.0

NEIC 28 08:31:24.5,0.5,28.85N;82.02E,h10km,mb4.6/12,Error ellipse: s-maj=14.0km s-min=7.8km az=60.0

ISC 28 08:31:24.6,0.7,28.80N;0.08;82.00E;0.07,h10km,n38, r1547/39,mb4.0/20,Nepal

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

ISC 28 08:34:25.9,0.7,52.13N;171.17W,h0km,mb4.0/17, mb1.4/2/18,mb1mx3.9/92,mbtmp4.0/18,ML3.2/1,Error ellipse: s-maj=22.6km s-min=14.0km az=175.0

NEIC 28 08:34:28.1,0.0,51.87N;170.78W,h7km,mb4.4/14, ML3.7(AEIC),Alter AEIC.

ISCJB 28 08:34:30.9,0.3,52.10N;0.07;170.92W;0.04,h42km, mb4.2/28,Error ellipse: s-maj=10.3km s-min=2.8km az=193.6

ISC 28 08:34:32.5,0.6,52.22N;0.1;170.95W;0.05,h42km,n94, r1874/93,mb4.3/28,Fox Islands

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

28d 8h

Table with columns: Call ID, Name, Frequency, Power, Modulation, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like WMOK Wichita Mounta, U41A Viola, U48A Cassie Pea, etc.

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Table with columns: Call ID, Name, Frequency, Power, Modulation, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like R40A Maddies Statio, R49A Shellyville, R48A Northridge Ran, etc.

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Table with columns: Call ID, Name, Frequency, Power, Modulation, SNR, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes entries like O50A Cable, CBKS Cedar Bluff, HDIL Hopedale, etc.

Table with columns: ID, Name, Address, Phone, Email, Website, and other details for various properties.

Table with columns: ID, Name, Address, Phone, Email, Website, and other details for various properties.

Table with columns: ID, Name, Address, Phone, Email, Website, and other details for various properties.

Table with columns: CUPR, Culebra, Puert, 1.69 2151, eP, Pn, 09 14 55.8, -2.2

IDC 28 09:18:32.742.6, 23.035x179.34E, h518km, 29km, mb3.3/12, mb1 3.5/14, mb1mx3.3/57, mbtmp4.2/14, Error ellipse: s-maj=17.4km s-min=16.0km az=6.0

ISCJB 28 09:18:34.70.6.23.16S:0.09:179.2E:0.1, h553km, mb3.8/12, Error ellipse: s-maj=15.6km s-min=11.4km az=14.0

ISC 28 09:18:34.6.0.6.23.1S:0.1x179.3E:0.1, h553km, n20, c2511/21, mb3.8/12, South of Fiji Islands

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

DJA 28 09:33:47.9:1.7, 4 S:3.3, 141E:1, h15km, 17km, M4.1/5, mB5.4/2, mb4.5/1, MLV4.0/4, Mw(mb)4.8/2, Irian Jaya

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

NEIC 28 09:36:18.0:0.0, 36.02N:118.40W, h1km, ML3.3(PAS), After PAS

NEIC Felt in eastern Tulare County, ISC 28 09:36:18.0:1.0, 35.99N:0.02:118.38W:0.02, h5km, 9km, n128, s19:05/160, Central California

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

Table with columns: PIRM, Iverson Ranch, 1.56 254, ePn, Pn, 09 36 46.8, +0.3

ISCJB 28 09:40:21.8:0.6, 39.66N:0.03:29.48E:0.05, h0km, Error ellipse: s-maj=5.7km s-min=3.8km az=20.7

DDA 28 09:40:21.8, 39.68N:29.48E, h7km, ML2.5, Suspected Mining explosion

ISC 28 09:40:21.8, 39.61N:29.52E, h13km, ML2.2/10

ISC 28 09:40:21.2:0.9, 39.52N:0.03:29.48E:0.04, h0km, n16, c05B/23, Turkey

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

ISCJB 28 09:40:21.8:0.6, 39.66N:0.03:29.48E:0.05, h0km, Error ellipse: s-maj=5.7km s-min=3.8km az=20.7

DDA 28 09:40:21.8, 39.68N:29.48E, h7km, ML2.5, Suspected Mining explosion

ISC 28 09:40:21.8, 39.61N:29.52E, h13km, ML2.2/10

ISC 28 09:40:21.2:0.9, 39.52N:0.03:29.48E:0.04, h0km, n16, c05B/23, Turkey

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

Table with columns: DEMI, Gemlik, 0.84 345, PG, S, 09 40 53.9, +0.7

ISCJB 28 09:44:52.2:0.9, 11.81N:0.07:88.36W:0.05, h10km, mb3.7/3, Error ellipse: s-maj=10.8km s-min=4.5km az=32.9

CASC 28 09:44:52.5:1.4, 11.86N:88.34W, h4km, 9km, ML3.1

IDC 28 09:44:55.2:3, 12.76N:87.68W, h0km, mb3.8/3, mb1 4.0/4, mb1mx3.5/51, mbtmp3.7/4, ML3.0/1, Error ellipse: s-maj=100.2km s-min=18.1km az=49.0

ISC 28 09:44:54.0:1.1, 11.95N:0.07:88.26W:0.05, h10km, n25, c2512/29, mb3.7/3, Off coast of central America

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

DDA 28 09:46:25.9, 38.89N:38.63E, h7km, ML2.8

ISC 28 09:46:25.9, 38.87N:38.67E, h4km, ML 1.8/5

ISCJB 28 09:46:26.1:0.5, 38.88N:0.03:38.63E:0.03, h7km, 6km, Error ellipse: s-maj=5.4km s-min=4.2km az=4.3

ISC 28 09:46:26.0:1.2, 38.89N:0.04:38.63E:0.03, h11km, 12km, n10, c067/18, Turkey

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

LDG 28 10:32:34.9:0.1, 47.24N:10.78E, h10km, ML2.4/9, Error ellipse: s-maj=4.2km s-min=2.0km az=22.0

ISCJB 28 10:32:34.9:0.3, 47.26N:0.02:10.82E:0.02, h12km, 2km, Error ellipse: s-maj=2.8km s-min=2.1km az=0.9

VE 28 10:32:35.2:0.2, 47.20N:10.84E, h12km, 3km, mb1.6/11, ml2.6/15, Error ellipse: s-maj=1.6km s-min=1.2km az=162.0 9 km SE of Imst felt 3-4 ems98 at Oetz / Tyrol

ROM 28 10:32:35.8:0.2, 47.19N:0.01:10.83E:0.01, h10km, ML2.1/11

PRU 28 10:32:36.9:0.0, 47.23N:10.85E, h0km

BGR 28 10:32:37.0:0.3, 47.25N:10.81E, h10km, ML2.4/14, Error ellipse: s-maj=4.4km s-min=2.2km az=167.0

BGR Felt between Imst and Urnhausen (weak shaking)

ISC 28 10:32:34.8:0.9, 47.20N:0.02:10.80E:0.01, h18km, 3km, n118, s1946/92, Austria

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KHC Kasperske Hory, ROTZ Rotzenmuhle, HINTERHINTERFELD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HEL 28 11:01:34.3, HEMU Hemsoen, UMAU Umeaa, etc.

Table with columns: SPN, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SPN Mys Shipunski, NLC Nalytchevo, KIL Karymskiy, etc.

Table with columns: ASAJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like ASAJ, ERM Erimo, KLR Kul'dur, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like VSU Vasula, VJF Virojoki, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SPN Mys Shipunski, NLC Nalytchevo, KIL Karymskiy, etc.

SRKR Sorokina 3.40 4 eP Pn 11 37 40.7
BKI Bering 3.64 56 eS Sn 11 27 45.5 -2.0
BKI Bering 3.64 56 eS Sn 11 28 15.3 +0.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like TNTI Ternate, SANGI Sangihe, LBMI Labuha, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like WRA Warramunga Arr, WBS2, AS31, etc.

ISCBZ 28 11:36:37.9, 0.3, 2.17N, 0.03, 126.86E, 0.04, h100km, mb4.2/17, Error ellipse: s-maj=6.6km s-min=4.1km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like SPIG San Pedro Mart, SPIG San Pedro Mart, etc.

NIED 28 11:44:00.36, 90N, 141.50E, h11km, Mw3.9 Best double couple: Mb=7.5000e1014 NP1=21.00000, 831.00000, lambda=0.0000. NP2=206.00000, 859.00000.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like XPFO Pionon Flat, PFO Pinyon Flats O, IRM Iron Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LOHW Long Hollow, WMOK Wichita Mounta, MOOOP Moose Ponds, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIED 28 13:55:00,36:40N,141:90E, h20km, Mw4.8, etc.

28d 15h

California
Code Station Name Az Phase ID Op ISC Time Res
SPIG San Pedro Mart 1.41 312 eP Pn 14 11 23.1 -3.2

IDC 28 14:40:31.4-1.9, 11.85N:88.88W, h0km, mb3.4/3, mb1 3.8/6, mb1mx3.6/5.6, mbtmp3.6/6, ML3.6/3, Error ellipse: s-maj=80.5km s-min=21.2km az=39.0

CASC 28 14:40:37.1-1.4, 12.00N:01.6881W:0.07, h37km, n29, ISCJB 28 14:40:34.1-1.7, 11.90N:0.06:88.66W:0.05, h33km, 16km, mb3.4/3, Error ellipse: s-maj=12.0km s-min=5.0km

off Coast of Central America
Code Station Name Az Phase ID Op ISC Time Res
LCY Lacayo 1.47 20 eP Pn 14 41 00.9 -0.3

LFRR El Faro 1.60 351 eP Pn 14 41 02.1 -0.9
LFRR Las Pavas 1.68 356 eP Pn 14 41 23.8 -0.3

COLS Colinas 1.69 344 eP Pn 14 41 03.2 -1.2
COLS Serv Nac Est T 1.70 346 eP Pn 14 41 24.8 -0.1

LBRS Las Brisas 1.71 352 eP Pn 14 41 03.4 -1.2
LFU La Fuente 1.73 350 eP Pn 14 41 04.5 -0.4

BOQS Boqueron 1.75 345 eP Pn 14 41 04.8 -0.5
SBSL San Blas 1.96 336 eP Pn 14 41 07.7 -0.5

SNJE San Jose 1.98 337 eP Pn 14 41 07.7 -0.7
RTR El Retiro 2.03 336 eP Pn 14 41 07.5 -1.5

APG comp=N, 4.7nm, 0.3s, baz=145, slow=11, SNR=8.9
JTS comp=N, 4.0nm, 0.3s, baz=191, slow=19, SNR=4.5

CMIG Matias Romero 7.74 311 Pn Pn 14 42 26.4 -0.9
CMIG comp=N, 0.5nm, 0.3s, baz=112, slow=12, SNR=5.7

TXAR Lajitas Array 22.08 323 P P 14 45 29.4 +0.1
NVAR Mina Array Bea 37.16 320 P P 14 47 45.4 +0.5

ILAR Eielson Array 65.87 337 P P 14 51 18.8 0.0
WARR Warramunga Arr 132.88 254 PKP P 14 59 58.2 -0.6

CMAR Chiang Mai Arr 148.75 346 PKPbc P 15 00 21.9 +0.3
IDC 28 14:41:04.0-1.7, 6.96S: 128.55E, h0km, mb3.7/2, mb1 3.7/6, mb1mx3.5/6, mbtmp3.6/6, ML3.4/4, Error ellipse: s-maj=43.3km s-min=25.2km az=88.0

ISCJB 28 14:41:06.8-1.1, 7.06S:0.10:128.55E:0.09, h33km, mb3.6/2, Error ellipse: s-maj=14.6km s-min=12.8km az=149.6

ISC 28 14:41:09.1-1.5, 7.1S:0.1:128.6E:0.1, h35km, n6, e0573/7, Banda Sea
Code Station Name Az Phase ID Op ISC Time Res

BATI Baumata 5.79 237 Pn Pn 14 43 38.0 +0.4
FITZ Fitzroy Crossi 11.35 194 Pn Pn 14 43 48.1 -0.7

WRA Warramunga 0.3nm, 0.3s, baz=336, slow=20, SNR=8.0
ASAR Allica Springs 17.29 163 Pn Pn 14 45 08.1 +0.2

MKAR Makanchi Array 67.52 327 P P 14 52 01.7 -0.1
KURBB Kurchatov Arra 71.83 329 P P 14 52 27.7 -0.5

NNC 28 14:54:48.2-2.3, 36.97N:70.63E, h0km, mb4.0, mpv3.7, 4C-4D, Error ellipse: s-maj=18.2km s-min=16.0km
Code Station Name Az Phase ID Op ISC Time Res

SFK Sufi-Kurgan 3.78 36 Pn Pn 14 55 48.0 0.0
SFK 12nm, 0.3s
MNAS Manas 5.69 14 Pn Pn 14 56 14.4 +0.2

KK31 Karatay Array 6.12 359 Pn Pn 14 56 20.9 +0.9
AAK Ala-Archa 6.39 27 Pn Pn 14 56 22.8 -1.0

ATH 28 15:08:15.4, 37.87N:26.80E, h27km, ML2.3/8, Error ellipse: s-maj=2.2km s-min=0.9km az=87.0
ISCJB 28 15:08:16.9-0.4, 37.88N:0.01:26.66E:0.02, h1km, 3km, Error ellipse: s-maj=3.0km s-min=2.4km az=168.3

DDA 28 15:08:16.8, 37.88N:26.69E, h3km, ML3.5/3
THE 28 15:08:17.0, 37.87N:26.69E, h4km, 1km, ML3.3/6, Error ellipse: s-maj=1.9km s-min=0.5km az=179.0
ISC 28 15:08:17.0-0.9, 37.88N:0.01:26.68E:0.02, h9km, 8km, n2, e1916/18, Dodecanese Islands
Code Station Name Az Phase ID Op ISC Time Res

SMG Samos 0.21 143 P P 15 08 21.3 -0.1
SMG GMLD Gumludur 0.28 43 PG P 15 08 25.0 +0.8

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URLA Izmir 0.49 352 P P 15 08 26.4 -0.1
CESE Teeme 0.54 327 PG P 15 08 28.0 +0.4

BLCB Balçova 0.58 29 PG P 15 08 28.6 +0.9
CHOS Chios island 0.71 316 PG P 15 08 30.7 -0.1

AYBD Zeytinokoy-Aydi 0.96 85 PG P 15 08 31.6 -0.3
AYDN Yasouli 0.96 102 P P 15 08 32.2 -0.6

AYDN Yasouli 0.96 102 P P 15 08 32.2 -0.6
BDRM Kayabasi 1.01 143 P P 15 08 36.7 -0.2

MLSB Milas 1.05 123 PG Pn 15 08 38.1 0.0
PSND Candarli 1.08 5 PG Pn 15 08 39.5 0.0

AMGA Amorgos Island 1.22 211 P P 15 08 39.3 -1.1
AMGA comp=E, 2820um, 0.5s 1.08 5 Pn 15 08 37.0 -1.2

AMGA comp=N, 2625um, 0.5s 1.22 211 P P 15 08 39.6 -0.8
AMGA comp=E, 2219um, 0.2s 1.21 8 Pn Pn 15 08 40.4 +0.2

AMGA comp=N, 689um, 0.3s 1.33 162 Pn P 15 08 42.6 -0.2
AKS Nisyros Isl. 1.34 41 Pn Pn 15 08 42.6 -0.2

AKHS Akhisar 1.34 41 P P 15 08 42.2 -0.6
AKHS Akhisar 1.34 41 P P 15 08 42.2 -0.6

PRK Parasekvi 1.35 148 P P 15 08 43.5 +0.5
PRK Parasekvi 1.35 148 P P 15 08 43.5 +0.5

PRK comp=N, 2016um, 0.5s 1.48 334 P P 15 08 43.1 -0.8
SIFR SIFR 1.48 334 P P 15 08 43.1 -0.8

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SIFR SIFR 1.48 334 P P 15 08 43.1 -0.8

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AYBD Bodrum 0.94 149 SG Sb 15 11 04.9 +0.6
BODT Bodrum 0.95 149 PG P 15 10 51.6 0.0

AYDN Yasouli 0.95 103 P P 15 10 51.0 -0.3
BDRM Kayabasi 1.00 144 P P 15 11 03.1 -0.6

MLSB Milas 1.03 124 PG Pn 15 10 52.3 +0.4
DKL Dikili 1.20 7 Pn Pn 15 10 44.1 -0.7

APPE Apeiranthos 1.23 230 Pn P 15 10 57.1 +0.5
AKHS Akhisar 1.33 41 P P 15 10 58.2 -0.2

AKHS Akhisar 1.33 41 P P 15 10 58.2 -0.2
DAT Data 1.34 148 Pn Pn 15 11 05.8 -0.3

SIGR SIFR 1.49 334 Pn P 15 11 00.5 -0.4
MANT Manisa 1.58 67 P P 15 11 02.5 -0.1

KULA Kula-Manisa 1.67 67 Pn Pn 15 11 23.0 -0.4
IDC 28 15:19:15.5-8.7, 35.84N:71.31E, h0km, mb3.9/2, mb1 3.7/6, mb1mx3.4/7, mbtmp3.7/6, ML2.9/4, Error ellipse: s-maj=128.0km s-min=42.1km az=164.0

NNC 28 15:19:34.3-3.6, 36.95N:70.75E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=29.4km s-min=25.5km az=135.0
ISC 28 15:19:37.1-2.9, 36.9N:0.2:71.3E:0.1, h200km, n10, e1955/14, 4C-4D, Afghanistan-Tajikistan border region
Code Station Name Az Phase ID Op ISC Time Res

SFK Sufi-Kurgan 3.61 28 Pn Pn 15 20 33.8 -0.4
SFK 1.3nm, 0.3s
MNAS Manas 5.71 9 Pn Pn 15 21 00.3 -0.3

MNAS 5.2nm, 0.4s 5.71 9 Pn Pn 15 21 00.3 -0.3
MNAS 1.6nm, 0.5s
MK31 Karatay Array 6.27 355 Pn Pn 15 21 07.1 -0.6

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

AAK Ala-Archa 6.29 22 Pn Pn 15 21 05.9 -2.1
AAK 2.1nm, 0.4s 6.29 22 Pn Pn 15 21 05.9 -2.1

28d 15h

Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like Q41A Truxton, R40A Maddies Statio, R40A Maddies Statio, R45A Kentland, S39A Bolivar, M46A Old House Fiel, MNTX Cornudas Mount, WMOK Wichita Mount, WMOK Wichita Mount, Q42A Golden Eagle, N46A Monticello, R41A Rosebud, O45A Potomac, TUL1 Leonard, S40A Lebaron, NR1K Noril'sk, L48A N Adams, SF1N Lafayette, Q43A New Douglas, CCM Cathedral Cave, R42A Luebbering, R49A Milan, S41A Jilco Farms, T40A Mansfield, Q44A Meyer Farm, Va, P45A Graceland, Par, R43A Red Bud, S42A Caledonia, M49A Liberty Center, O47A Sheridan, P46A Rosedale, T41A Mountain View, Q45A Warren Harvey, U40A Yellville, O48A Farmland, S43A Fulton Ridge, T42A Van Buren, T42A Van Buren, P47A Martinsville, R45A Skylar, Fairir, U41A Viola, S44A Carbonate, V40A Witts Springs, T43A Greenville, W39A Magazine, O49A Covington, N50A Nevada, Q47A Bedord North L, U42A Revenden, P48A Milroy, V41A Mountainview, R46A Gibon Southern, W40A Ferguson Farm, O50A Cable, KLR Kl'dur, ERPA Erie, X39A Fountain Ranch, Q48A North Vernon, V42A Cord, S46A Don Dixon Farm, R47A Wooly Knot Far, ACSO Alum Creek Sta, ACSO Alum Creek Sta, MIAR Mount Ida, MIAR Mount Ida, ALLY Alegheny Colle, P50A Jameson, WCI Wyandotte Cave, O51A Pataskala, TX31 Lajitas Ar. Si, TXAR Lajitas Array, TXAR Lajitas Array, TXAR Lajitas Array, T46A Princeton, M54A Oil Creek Stat, ERM Erimo, P51A Williamsport, O52A Adamsville, S48A Wiedeman Farm, N54A Moraine State, Q51A Peebles, T47A Sharon Grove, P52A Corning, JCT Junction City, JCT Junction City, S49A Springfield

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Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like R50A Paris, T48A Bowling Green, WVT Waverly, R51A Hillsboro, P53A Whipple, Q52A Bidwell, T49A Ednton, S50A Richmond, U48A Cassie Pea, Po, T50A Nancy, U49A Red Bolling Sp, S51A Beattyville, S51A Beattyville, MCWV Mont Chateau, MCWV Mont Chateau, O56A Blue Knob Stat, W48A Smith Brothers, V48A Smith Brothers, PKME Peaks-Kenny Pk, X46A Booneville, T51A Gray, U50A Jamestown, V49A McMinnville, W48A Pulaski, T52A Hall, Y46A Houston, TZTN Tazewell, TZTN Tazewell, V50A Pikeville, SWET Sewanee, U52A Thorn Hill, V51A Loudon, Y47A UCPARC, Winfie, X49A Wolfville, ARCES ARCESS Array 5, ARCES ARCESS Array 5, V52A Sevierville, U53A Fall Branch, Y48A Jasper, W51A Cleveland, TKL Tuckaleechee C, TKL Tuckaleechee C, TKL Tuckaleechee C, 244A Avery, Jackson, X50B Fortayne, 146A Union, 146A Union, BLA Blacksburg, Z48A Northport, Y49A Blount Mountai, W52A Murphy, V53A Saluda, V53A Saluda, X51A Calum, W50A Piedmont, Y53A Cullowhee, R58B Mineral, X52A Dahlonga, Z49A Columbiana, 148A Greensboro, Y51A Rodmart, Z50A Ashland, Z50A Ashland, 149A Jones, Z51A Franklin, Y52A Lilburn, Y52A Lilburn, 347A Saraland, KMSC Kings Mountain, 150A Eclectic, PAUL Pauline, Y53A Monroe, Z52A Williamson, 151A Opelika, Y54A Tignall, Z53A Monticello, 152A Waverly Hall, JSC Jenkinsville, Z51A Midway, BRAL Brewton, Z54A Sparta, LNIJ Linares, Z52A Lumpkin, Z55A Blythe

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Table with columns: ID, Name, Time, Date, Status, and other details. Includes entries like MAT Matsushiro, MJAR Matsushiro Arr, SONM Songino Array, P06M NORSAR Subarra, NOA NORSAR Array B, KRSR Korea Array, KSAR Wonju Array Be, FINES FINES Array B, HFS Hagfors, ZAAO Zalesovo Array, ZALV Zalesovo Beam, EKA Eskdalemuir Ar, ARU Arti, BRVK Borovoye, BVAR Borovoye Array, BVAR Borovoye Array, KURK Kurchatov, KURBS Kurchatov Arra, MKAR Bekingshi Arra, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, GTA Gaotai, GTA Gaotai, GTA Gaotai, CLL Collm, CLL Collm, AKTO Aktyubinsk, BRG Bergschi Arra, ABKAR Abkulaq array, NKC Novy Kostel, DPC Dobruska-Polom, DPC Dobruska-Polom, KRLC Kraliky, KRLC Kraliky, AKASG Malin Array B, AKKB Malin Array Si, AK11 Malin Array Si, MORC Moravsky Berou, MORC Moravsky Berou, MORC Moravsky Berou, KHC Kasperske Hory, KHC Kasperske Hory, VRAC Vranov, VRAC Vranov, ECH Echery, BFO Black Forest, GEC2 GERESS Array 2, GERES GERESS Array B, GERES GERESS Array B, GEAO GERESS Array S, KRUC Moravsky, LANS Lipitovska Anna, JAVC Velka Javorina, CRVS Crvys, MODS Modra-Piesok, VYHS Vyhra, RETA Reutte, MOA Molokan, CONA Conrad Observa, WATA Walderalm, TRPA Tarpa, TRPA Tarpa, SOP Sopron, PSZ Piszkesteto, PSZ Piszkesteto, PSZ Piszkesteto, FETA Feichten, DAVOX Davos/Dischmat, SORM Soroca, SENIN Lac Senin/Sane, KBA Koelnbeinsp, ARSA Arzberg, ABTA Abtaltersbach, BUR08 Bucovina Ar. S, BUR04 Bucovina Ar. S, BURAR Bucovina Array, MYKA Terra Mystica, SOKA Soboth, PERS Pernice, OBKA Obir, DRGR Drava, BIZ Bicz, JAVS Javornik, VISS Visnje, B01US Buzias, DOPR Dopca, VRI Vriocinaia, BZS Buzias, PLOH Plostina, MLR Muntele Rosu, MLR Muntele Rosu, VOIR Voiron, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, CFR Carcaliu, TLCR Tarcu, MDVR Moldovita, FLB Topal, DIVS Divbare, KBZ Khabaz

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Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like ILAR, HDA, BRLL, KDOK, SML, DLMT, RIDG, SCRK, KLU, EGAK, FID, INK, RAGM, DAWY, ANGG, BALM, DHAK, WHY, SKAG, BESE, JIS, SIT, DLBC, WRMH, SDHH, BYL, YKA, TBI, PPT2, LLLB, B05A, D03D, B08A, LON, LTY, G03D, C09A, NEW, NEW, NEW, H04D, HAWA, WALA, G05D, E08A, I03D, J01D, I05D, K02D, J02D, J04D, F10A, J05D, L04D, MSO, YBH, YBH, YBH, M02C, EGMT, EGMT, M04C.

2012 AUG

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like N02D, J08A, O02D, ULM, DGMT, O03D, DLMT, BOZ, BOZ, GDMX, HLID, HLID, BEKR, LAO, LAO, A33A, YMR, MDND, MDND, RLMT, RLMT, LKWW, H17A, H17A, TAOE, VCNR, VCNR, FLYW, IMW, GGN, MOOV, YERR, YERR, TPWW, EYMN, EYMN, REDW, WAKR, WAKR, C40A, C40A, PKME, KVN, AHID, HUVU, NVAR, D41A, D41A, B06E, B06E, PDAR, PDAR, E38A, E38A, E40A, E41A, RSSD, RSSD, E39A, E42A, E43A, E43A, E43A, E43A, CTUT, CTUT, F38A, COWI, COWI, DUG, CTU, CTU, F39A.

28D 15h

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like F40A, R11A, K22A, VES, F43A, GRAC, F41A, F41A, CWC, F45A, RKT, NLU, NLU, PKM, SPMN, SPMN, G39A, ISA, G38A, G40A, G40A, G43A, G43A, G42A, RWWY, PSUT, PSUT, H35A, TPNV, TPNV, TPNV, MPMC, FURC, ACCN, SCZ2, H39A, LRMC, H40A, H41A, P17A, P17A, P18A, EDW2, ECSD, H43A, SHOC, SRU, SRU, O20A, GSC, SZCU, N23A, I39A, I42A, TUQ, J36A, J36A, J37A, J38A, J39A, J41A, GMRC, I36A, ISCO, OGNE, PV19, BELC, PV05, PFO, FRD, K43A, K43A, CPE, PAL, PAL, IRM, BC3, L40A, MONP, Q24A, Q24A, ALLY.

28d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like L42A Oliver, Polo, PDMOC Parker Dam, LAK, IKP In-Ko-Pah, etc.

2012 AUG

Table with columns: WHTX, LR, LR, comp=Z, 2.400nm, 22.0s, etc. Includes stations like TX31 Lajitas, TXAR Lajitas Array, JCT Junction City, etc.

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Table with columns: SIGR, SIGRI, 1.54 333 P, Pn, 16 19 16.5 -0.4, etc. Includes stations like GII 28 16:30:39, ISCBJ 28 16:30:40, GRAL 28 16:30:40, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BORA, GONE, YLV, AYDB, GULT, BAYC.

KOLA 28 17:01:24.6, 67.92N:20.29E, h0km

ISCJB 28 17:01:27.0, 67.03N:0.02-21.02E, h0km, Error ellipse: s-maj=3.3km s-min=2.6km az=174.2

LVSN 28 17:01:27.2, 0.8, 67.25N:18.98E, h0km, ML2.9

UPP 28 17:01:28.0, 1.6, 67.07N:20.97E, h0km, ML2.9

IDC 28 17:01:28.0, 0.9, 67.11N:20.77E, h0km, mlb1, 3.0/4, mb1mx2.9/80, mbtmp3.0/4, ML2.3/4, Error ellipse: s-maj=17.7km s-min=8.7km az=112.0

HEL 28 17:01:28.8, 0.0, 67.08N:20.96E, h0km, ML2.5, ML2.9(UPP), Explosion

NAO 28 17:01:28.9, 0.9, 67.07N:21.09E, ML3.1

BER 28 17:01:30.4, 0.9, 66.91N:21.21E, h0km, ML2.1, Suspected explosion

ISC 28 17:01:28.0, 0.7, 67.07N:0.02-20.99E, h0km, n63, a1912/85, Sweden

Main table of station data for the left column, including codes like DUNU, ERTU, PAJU, HARU, KUA, RATU, SALU, LANU, NIKU, SJUU, TOF, HEF, KIF, RNF, KTK1, SGF, STEI, TRO, OUL, ARAO, ARA, ARCES, AREO, AREO, OUF, KONS, VRF, MSF, KEV, KU6, HAMF, APAA, APA, ARA, FIAO, FIAO, FIAO, FINEF, FINEF, MEF, MEF, NB2, NB2, NOA, NROA, NROA, NROA, HFS, HFS, HFS, MTSE, VSU.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUMO, GUMO, GUMO, ANA2, SARN, PATS, CBJ, FAKI, JUNU, KSRS, KSRS, KSRS.

KSAR comp=Z,42m,20.3s,baz=250,slow=36

WRI Warrunganga Arr 35.08 20.3 P

WRA Warrunganga Arr 35.08 20.3 P

ASAR Alice Springs 36.69 19.9 P

PETK Petropavlovsk-40 77.10 LR

PBKT Sadao Pond 44.11 280.0 P

CM01 Chiang Mai Arr 45.99 283.0 P

CM13 Chiang Mai Arr 46.00 283.0 P

CM31 Chiang Mai Arr 46.00 283.0 P

SONA Songino Array 47.99 324.0 P

SONM Songino Array 47.99 324.0 P

SONA Songino Array 47.99 324.0 P

LNSA Lhasa 53.63 297.0 P

ZALV Zalesovo Beam 62.88 324.0 P

ZALV Zalesovo Beam 62.88 324.0 P

ZAA1 Zalesovo Array 62.88 324.0 P

MK32 Makanchi Array 62.90 316.0 P

MKAR Makanchi Array 62.90 316.0 P

KURK Kurchatov 65.92 320.0 P

KURB Kurchatov Arra 65.97 320.0 P

BVAR Borovoye Array 71.23 322.0 P

ISCJB 28 17:12:15.8, 0.0, 18.72S:0.03-69.29W, h132km, 4km, mb4.0/7, Error ellipse: s-maj=8.7km s-min=5.3km az=162.6

GUC 28 17:12:17.8, 0.7, 18.64S:69.33W, h109km, 4km, ML3.8

NEIC 28 17:12:17.2, 0.6, 18.83S:68.98W, h122km, 6km, mb4.5/5, Error ellipse: s-maj=15.4km s-min=8.7km az=109.0

IDC 28 17:12:19.0, 2.4, 18.62S:68.97W, h135km, 9km, mb3.8/6, mb1 3.9/9, mb1mx3.6/48, mbtmp4.2/9, Error ellipse: s-maj=22.3km s-min=11.0 az=111.0

ISC 28 17:12:16.6, 0.7, 18.71S:0.04-69.22W, h119km, 6km, n52, a174/59, mb4.0/7, 3C-3D, Northern Chile

Main table of station data for the middle column, including codes like PB16, PB16, PB16, MNMC, MNMC, MNMC, ARCH, ARCH, PB12, PB12, PB12, PB11, PB11, PB11, PSCG, PSCG, PSCG, PB08, PB08, PB08, PB01, PB01, PB01, LPAZ, LPAZ, LPAZ, PB02, PB02, PB02, PB04, PB04, YJA, YJA, YJA, PB10, PB10, AZAP, AZAP, ASTB, ASTB, ALOL, ALOL, ALOL, SIV, GO03, GO03, NNA, LCO, LCO, GPO4, GPO4, PTGA, PTGA, TRQA, TRQA, PLCA, PLCA, P40A, P40A, DBIC, DBIC, ULM, ULM, TOA1, TOA1, TORO, TORO, ESDD, ESDD, YKA, YKA, YKB5, YKB5, H1S2, H1S2, H1N3, H1N3.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1S1, H1S3, H1N2, H1N1, ASAR, WRI, WRA, ZAA1, ZALV, KLR.

MEX 28 17:33:03.4, 0.8, 16.30N:98.50W, h10km, MD3.7, Near coast of Guerrero

PNIG Pinotepa 1.37 75.0 P

TLIG Tlapa 1.26 357.0 P

VHO Vista Hermosa 1.86 65.0 P

HUG Huatulco 2.36 103.0 P

AZER 28 17:46:28.3, 0.2, 38.45N:46.74E, h10km, 6km, ml3.4/15, Error ellipse: s-maj=14.1km s-min=1.7km az=13.0

TEH 28 17:46:31.1, 38.43N:46.74E, h10km, ML3.3

DDA 28 17:46:35.7, 38.54N:46.44E, h10km, ML3.3

ISC 28 17:46:31.3, 0.9, 38.46N:0.03-46.73E, h13km, 9km, n37, a1932/58, 13C-15D, Iran-Armenia-Azerbaijan border region

Main table of station data for the right column, including codes like IHRH, IHRH, ITBZ, ITBZ, ITBZ, ORD, ORD, IBST, IBST, IMRD, IMRD, ISHB, ISHB, ISRB, ISRB, GRMI, GRMI, IAZR, IAZR, NAX, NAX, LRK, LRK, LRK, SBZ, SBZ, SBZ, GLBA, GLBA, GLBA, ASTR, ASTR, ASTR, LKRN, LKRN, LKRN, MAKU, MAKU, BRDA, BRDA, SAAT, SAAT, HYAT, HYAT, ZRD, ZRD, YOYA, YOYA, GANJ, GANJ, GANJ, CLDR, CLDR, CLDR, ZJNK, ZJNK, GDB, GDB, GDB, IGD, IGD, IGD, VMUR, VMUR, HAKT, HAKT, GBS, GBS, GBS, PQL, PQL, PQL, DDFL, DDFL, DDFL, DGRG, DGRG, DGRG, EAK, EAK, EAK, ILIN, ILIN, ILIN, TBLG, TBLG, TBLG, TRIG, TRIG, IRAZ, IRAZ, IRAZ.

NIED 28 17:50:00.39, 0.0N:140.90E, h5km, Mw3.8 Best double couple: M5.55000+104 NP1: a=270.00000; b=840.00000; c=268.00000; NP2: a=121.00000; b=855.00000; c=111.00000; ISCJB 28 17:50:55.0, 0.8, 38.98N:0.03-140.93E, h42km, 3km, mb4.1/21, Error ellipse: s-maj=5.0km s-min=4.5km az=13.0

JMA 28 17:50:55.7, 38.97N:140.90E, h7km, 1km, M4.0 Broadband fault plane solution: P waves. NP1: a=118.00000; b=45.00000; c=197.00000; NP2: a=288.00000; b=45.00000; c=183.00000; Principal axes: T Azm:0.000; Azm:13.000; N Azm:0.000; N Azm:293.000; P Azm:0.000; Azm:203.000; JMA Fellt II

NEIC 28 17:51:00.8, 0.0, 6.39, 0.0N:140.80E, h50km, 5km, mb4.4/6 Error ellipse: s-maj=7.0km s-min=5.0km az=113.0

NEIC Recorded [2 JMA] in Iwate and Miyagi.

IDC 28 17:51:00.6, 2.3, 38.95N:140.74E, h45km, 21km, mb3.8/17, mb1 3.9/20, mb1mx3.7/86, mbtmp4.0/20, ML3.1/3, MS2.5/2, Ms1 2.5/2, ms1mx2.3/74, Error ellipse: s-maj=18.4km s-min=14.2km az=90.0

ISC 28 17:50:55.9, 0.1, 38.96N:0.03-140.91E, h12km, 6km, n65, a1930/65, mb4.2/21, 8D, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMK, JMK, JMK, JYK, JYK, JRG, JRG.

28d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s ISC. Includes stations like Ohasama, Ouri, Okura, Shirataka, etc.

AZER 28 17:58:51.0, 4.0, 38.40N, 46.54E, h25km, 46km, ml3/8/17, Error ellipse: s-maj=29.6km s-min=az=30.0

TEH 28 17:58:51.9, 38.41N, 46.65E, h4km, ML3.6, IDC 28 17:58:52.2, 1.8, 38.43N, 46.66E, h0km, mb4.0/3,

ms1 2.7/4, ms1mx2/3.75, mbtmpt3.9/7, ML2.9/4, MS2.7/4, Ms1 2.7/4, ms1mx2/3.75, Error ellipse: s-maj=33.8km s-min=13.4km az=26.0

DDA 28 17:59:00.1, 38.57N, 46.01E, h6km, ML3.2, IDC 28 17:58:52.3, 1.1, 38.46N, 46.66E, h0km, 2h2km, 9gkm, n62, c1965/89, mb3/9/3, 19C-14D,

Iran-Armenia-Azerbaijan border region

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

2012 AUG

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

CASC 28 18:12:20.7, 1.1, 12.24N, 88.76W, h36km, 999km, ML3.0, IDC 28 18:12:21.7, 1.9, 13.38N, 87.67W, h0km, mb3.4/2,

ms1 3.8/3, mb1mx3/5.65, mbtmpt3.4/3, ML2.8/2, MS3.1/2, Ms1 3.1/2, ms1mx2/4.75, Error ellipse: s-maj=84.4km s-min=28.2km az=47.0

ISC 28 18:12:48.8, 2.3, 12.31N, 0.09, 88.78W, 0.06, h11km, 14km, n21, c217/30, Off coast of central America,

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s ISC. Includes stations like mb3.8/1, Error ellipse: s-maj=14.7km s-min=4.5km, etc.

NNC 28 19:06:36.6, 5.3, 37.51N, 71.38E, h0km, 3km, mpv3.2, 5C-1D, Error ellipse: s-maj=40.3km s-min=33.6km az=170.0, Afghanistan-Tajikistan border region

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

SFK Sufi-Kurgan 3.00 33 Op Pn 19 07 25.5 -1.7

MNAS Manas 5.04 9 Op Pn 19 07 53.0 -0.6

KK31 Karatay Array 5.62 353 Op Pn 19 08 52.0 +0.5

ISCJB 28 19:25:49.1, 0.4, 8.85S, 0.1, 114.70E, 0.05, h150km, mb3.5/7, Error ellipse: s-maj=15.5km s-min=5.1km az=20.1

DJA 28 19:25:50.2, 0.4, 9.9S, 10.1, 114.70E, 0.05, h142km, 4km, M4, 0/2/1, mb4.8/2, mb4.2/5, MLv3.9/21, Mw(Mb)4.1/2

IDC 28 19:25:53.0, 3.1, 7.98S, 11.5, 29E, h188km, 26km, mb3.2/7, mb1 3.4/7, mb1mx3/1.63, mbtmpt3.9/9, Error ellipse: s-maj=47.5km s-min=13.2km az=47.0

ISC 28 19:25:48.3, 0.7, 8.75S, 0.1, 114.76E, 0.07, h150km, n26, c209/30, mb3.4/7, Bali region

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

Table with columns: FITZ, WRA, WRA, ASAR, ASAR, CMAR, MKAR, ZALV, GEYT, BVAR. Includes station names, frequencies, and coordinates.

MEX 28 19:31:58.5-0.6,30.04N x 114.31W, h16km. Includes station names like San Pedro Mart, Cerro Bola and their details.

ROM 28 19:39:05.7-0.1,40.704N x 15.415E. Includes station names like Muro Lucano, Calabrutti, CDRU, SNAL, VULT, PZUN.

Main table for ROM stations, listing station names, frequencies, and coordinates for various locations like Muro Lucano, Calabrutti, CDRU, SNAL, VULT, PZUN, CAFE, etc.

Main table for 2012 AUG stations, listing station names, frequencies, and coordinates for various locations like CAFE, SLCN, CMPR, ACER, SGTA, PALZ, MCCL, MTSN, MRB1.

Main table for 28d 19h stations, listing station names, frequencies, and coordinates for various locations like MGR, BULG, SIRI, MRVN, MIGL, AMUR, PTRJ, MATE, MELA, MSAG.

28d 21h

Table with columns: MSAG, Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Monte S. Angel, San Giovanni R, Cetraro, etc.

MEX 28 20:05:59.6-0.2, 25.18N-109.66W, h5km, MD4.5, Gulf of California. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

MEX 28 20:11:49.0-1.0, 30.010N-114.21W, h16km, 800km, MD3.9, Gulf of California. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

BEO 28 21:03:26.0-0.4, 44.19N-17.83E, h10km, 2km, ML2.4/8. PDG 28 21:03:26.1-0.3, 44.27N-17.97E, h10km, ML2.5/11. Error ellipse: s-maj=0.7km s-min=1.0km az=0.0

ISC 28 21:03:26.0-1.0, 44.23N-0.02-17.90E, h0km, 9km, m69, r194/17.21-3D, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Doboj, Banja Luka, Han Pijesak, etc.

2012 AUG

Table with columns: BEHE, Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Becehely, Ulcinj, Selva, etc.

NDI 28 21:14:38.5-2.0, 25.02N-96.64E, h30km, ML3.1, Myanmar

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KOHIMA, JORHAT, ZIRO, etc.

TIF 28 21:15:41.5, 42.05N-46.04E, h14km, 2km. DRS 28 21:15:42.8-0.0, 42.07N-46.10E, h12km. MOS 28 21:15:43.1-0.0, 42.01N-46.09E, h18km, MPVA3.4. ISCJTB 28 21:15:44.0-0.3, 42.00N-0.02-46.08E, h18km, 5km, Error ellipse: s-maj=4.2km s-min=2.9km az=149.8

DDA 28 21:15:46.1, 41.76N-45.86E, h31km, M3.0. ISC 28 21:15:42.6-1.1, 41.98N-0.02-46.06E, h0km, 9km, n35, c98372, Eastern Caucasus

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Dedoflistskaro, Botlikh, Khunzakh, etc.

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Table with columns: ONI, Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Oni, Lesken, Akyaka, etc.

IOC 28 21:28:29.4-1.4, 12.70N-88.76W, h0km, mb3.8/4, mb1 4.0/7, mb1mx3.7/55, mbtmp3.8/7, ML3.2/3, MS3.5/15, Ms1 3.5/15, ms1mx3.2/49, Error ellipse: s-maj=51.1km s-min=17.9km az=48.0

CASC 28 21:28:30.1-1.7, 12.37N-89.01W, h14km, 6km, ML3.4, mb4.3(NEIC)

NEIC 28 21:28:34.0-0.8, 12.62N-88.91W, h35km, mb4.3/6, Error ellipse: s-maj=18.6km s-min=6.4km az=33.0

ISC 28 21:28:30.6-2.2, 12.46N-89.008-89.01W, h15km, 12km, n86, r131/81, mb4.0/7, MS3.5/14, Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TECA, LCY, PACA, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ULM, YHV, NEW, RPN, YK2, PPT, BOGS, SPITS, WRA, CMAR.

SJA 28 21:41:16.8-0.8,3175S:69.53W,h107km,2gkm,ML2.3,MW3.6,San Juan Province

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like RTL, RTLS, RTLS, RTLS, RTVC, RTVC, RTLL, RTLL, ASAL, ARCO, AMOG, AAGR, GO04, ACAN, AGUA, APLL, MRA, MRA.

IDC 28 21:54:12.1±1.7,1.56N-127.34E,h0km,mb3.4/4,mb1 3.5/5,mb1mx3.5/7,mbtmp3.4/5,ML3.2/1,Error ellipse: s-maj=115.6km s-min=20.0km az=70.0, Halmahera

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

MEX 28 21:59:05.0-0.4,16.51N:98.51W,h16km,6km,MD3.6,Near coast of Guerrero

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PNIG, TLIG, CAIG, VHO.

IDC 28 22:02:42.1±1.1, 12.87N:88.43W,h0km,mb4.1/10,mb1 4.3/13,mb1mx4.0/54,mbtmp4.1/13,ML3.6/3,MS3.6/20,Ms1 3.6/20,ms1mx3.4/51,Error ellipse: s-maj=61.7km s-min=20.3km az=40.0

CASC 28 22:02:45.4±2.4, 12.39N:88.93W,h35km,999km,MD4.5,ML3.9,mb4.6(NEIC)

ISCJB 28 22:02:46.6±0.5, 12.50N:0.04-88.72W:0.0/4,h63km,3km,mb4.5/76,Error ellipse: s-maj=8.8km s-min=3.0km az=135.0

NEIC 28 22:02:48.5±0.7, 12.77N:88.61W,h35km,mb4.6/72,Error ellipse: s-maj=9.5km s-min=2-207.0

ISC 28 22:02:47.5±1.3, 12.51N:0.06-88.77W:0.0/6,h47km,11km,mb3.5,rs23/35S,mb4.5/76,MS3.7/19,1C,Off coast of central America

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TECA, LCV, YSM, PACA, SNVI, LFRS, LOND, CNCH, PAVA, LBRS, SNET, COLS, OFAM, LFLU, CUSC, UUES, BOQS, CNGN, COPN, MOMM, ESTN, ESTN, MATN, APG, APG, BOAB, BOAB, MESS, CUI.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like JTS, JTS, JTS, JTS, ARE1, ARE1, CCR2, LCR2, QCR1, QCR1, CVTR, BUS, BUS, CMIG, LNIG, ZAIG, 344A, 342A, 352A, 353A, 248A, TIGA, 247A, 248A, 244A, 251A, 252A, 241A, 435B, 435B, 146A, 148A, 147A, 149A, 150A, 151A, 141A, LRAL, 140A, 246A, JCT, JCT, 247A, Z49A, Z48A, Z50A, WHTX, WHTX, Z53A, Y46A, Y47A, GOGA, GOGA, HPIG, Y51A, Y41A, TX31, TXAR, TXAR, Y40A, X47A, ATAH, X40A, X40A, ABTX, ABTX, MIAR, MIAR, UALR, X52A, X53A, W48A, W47A, W41B, W41B, W51A, WHAR, W40A, W40A, W39A, W39A, W48A, W48A, V47A, V50A, V49A, V42A, V41A.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LPIG, V40A, V40A, TKL, TKL, WVT, V39A, V53A, V53A, U46A, U42A, U47A, U47A, U41A, WMOK, U48A, U40A, U49A, U50A, HHAR, TUL1, TUL1, U51A, PBMO, TZTN, T47A, T47A, T46A, MNMX, T42A, T42A, T42A, T43A, T41A, T49A, T49A, T51A, T39A, T39A, MSTX, T38A, S43A, S44A, S41A, S48A, AMTX, AMTX, S40A, S42A, S49A, S39A, S39A, S38A, CCM, CCM, R46A, R44A, R45A, R43A, WCI, WCI, R42A, R47A, R41A, R40A, R40A, R49A, R48A, R38A, R39A, R51A, Q45A, Q44A, Q43A, Q42A, Q47A, Q41A, Q48A, Q40A, Q49A, Q39A, Q38A, Q51A, P47A, P42A, P48A.

28d 22h

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other technical details. Includes stations like NNA, P40A, P39B, etc.

2012 AUG

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other technical details. Includes stations like H38A, H36A, O20A, etc.

1380

Table with columns: Station ID, Name, Azimuth, Elevation, SNR, and other technical details. Includes stations like WRA, ASAR, CMAR, etc.

Table of astronomical observations for 28d 23h, listing station names, coordinates, and observation details.

Table of astronomical observations for 27/18 AUG, listing station names, coordinates, and observation details.

Table for IDC 28:22:14:58.5:14.0, 17:26S-178:75W, h529km, m3.6/4, Error ellipse: s-maj=126.8km s-min=50.7km az=162.0, Fiji Islands region.

Table for IDC 28:22:29:34.0:1.4, 12:07N:88:40W, h0km, mb3.7/6, m1.4 0/9, mb1mx3.7/57, mbtmp3.7/9, ML3.4/3, MS3.0/4, M1.3 0/4, ms1mx2.6/51, Error ellipse: s-maj=70.2km s-min=17.5km az=48.0.

Table for IDC 28:22:29:36.2:1.0, 11:9N:0:2:88:6W:0.2, h33km, mb3.6/6, MS3.4/4, Error ellipse: s-maj=39.1km s-min=8.8km az=136.7.

Table for IDC 28:22:37:05.7: 1.1, 34:84N:26:04E, h0km, mb3.8/10, m1.3 8/15, mb1mx3.6/72, mbtmp3.7/15, ML3.6/5, MS3.1/4, M1.3 0/4, ms1mx2.5/73, Error ellipse: s-maj=22.1km s-min=9.6km az=8.0.

Table for IDC 28:22:37:06.1, 34:94N:26:10E, h11km, 1km, ML3.6/7, Error ellipse: s-maj=1.6km s-min=0.6km az=349.0.

Table of astronomical observations for 27/18 AUG, listing station names, coordinates, and observation details.

Table for IDC 28:22:29:34.0:1.4, 12:07N:88:40W, h0km, mb3.7/6, m1.4 0/9, mb1mx3.7/57, mbtmp3.7/9, ML3.4/3, MS3.0/4, M1.3 0/4, ms1mx2.6/51, Error ellipse: s-maj=70.2km s-min=17.5km az=48.0.

Table for IDC 28:22:29:36.2:1.0, 11:9N:0:2:88:6W:0.2, h33km, mb3.6/6, MS3.4/4, Error ellipse: s-maj=39.1km s-min=8.8km az=136.7.

Table for IDC 28:22:37:05.7: 1.1, 34:84N:26:04E, h0km, mb3.8/10, m1.3 8/15, mb1mx3.6/72, mbtmp3.7/15, ML3.6/5, MS3.1/4, M1.3 0/4, ms1mx2.5/73, Error ellipse: s-maj=22.1km s-min=9.6km az=8.0.

Table for IDC 28:22:37:06.1, 34:94N:26:10E, h11km, 1km, ML3.6/7, Error ellipse: s-maj=1.6km s-min=0.6km az=349.0.

Table for IDC 28:22:37:06.1, 34:94N:26:10E, h11km, 1km, ML3.6/7, Error ellipse: s-maj=1.6km s-min=0.6km az=349.0.

Table for ROM 28:23:11:25.6:0.1, 39:89N:0:00S:16:117E:0:007, h10km, ML1.0/4, Southern Italy.

Table with columns: Code, Station Name, Az, El, AML, AML, Az, El, AML, AML. Includes entries for SIRI Monte Sirino, CET2 Cetraro, etc.

ISCJB 28-23:12:14.7-0.1, 38:27N-01:15:92E:0:01, h53km, 1km, mb4.5/66, MS3.6/23, Error ellipse: s-maj=1.8km s-min=1.7km az=14.1

LDG 28-23:12:14.8-0.1, 38:18N-15:79E, h45km, M3.9/3, Error ellipse: s-maj=3.9km s-min=2.9km az=111.0

MOS 28-23:12:15.0-0.3, 38:29N-15:86E, h45km, mb4.8/33, Error ellipse: s-maj=5.1km s-min=3.0km az=70.2

PDG 28-23:12:15.0-0.3, 38:28N-15:96E, h37km, 4km, MD4.8/4, ML4.7/10, Error ellipse: s-maj=2.5km s-min=1.6km az=90.0

ROM 28-23:12:15.5-0.1, 38:205N:0:007:15:728E:0:009, h49km, 1km, ML4.6/102

NEIC 28-23:12:15.0-0.3, 38:25N-15:71E, h45km, mb4.5/24, MW4.6, ML4.6(ROM), Moment Tensor Solution, s23

Moment tensor: Scale 10^15Nm; Mw:6.99; Mw:7.25; Mw:0.26; Mw:1.97; Mw:0.90; Mw:4.34; Best double couple: Ms:8.60000:10^15 NP2:104.00000:860.00000, lambda:117.00000, NP2:104.00000:860.00000, lambda:52.00000. Principal axes: T 7.8300, P11.0000, Azm348.0000; N 1.4000, P123.0000, Azm253.0000; P -9.2300, P164.0000, Azm101.0000; After ROM.

NEIC Fell [IV] at Baginara Calabria, Cittanova, Messina, Palmi, Reggio di Calabria, Taurianova and Villa San Giovanni; [III] at Cosenza and Vibo Valentia; [II] at Catania. Fell widely in Calabria and northeast Sicily.

IDC 28-23:12:16.0-0.6, 38:32N-15:70E, h54km, 5km, mb4.1/33, mb1.4/243, mb1mx4.0/88, mbtmp4.3/43, MS3.5/26, Ms1.3/26, ms1mx3.7/71 Error ellipse: s-maj=10.8km s-min=8.3km az=104.0

BEO 28-23:12:17.6-0.6, 38:58N:16:13E, h0km, ML4.7/12, GII 28-23:12:27.6-0.0, 37:89N:17:77E, h1km, mb4.7/1, MD4.7/1

ISC 28-23:12:16.0-0.4, 38:28N:0:03:15:83E:0:03, h49km, 4km, n1365, r183/854, mb4.6/66, MS3.5/23, 53C-22D, Sicily

Main table with columns: Code, Station Name, Az, El, AML, AML, Az, El, AML, AML. Lists various stations like MSLC Scilla, CEL Celeste, GMB Gambarie, MSRU Castanea, etc.

Main table with columns: Code, Station Name, Az, El, AML, AML, Az, El, AML, AML. Lists various stations like MPNC Port Mandanici, PLAC Placania, NOV Novara, VPL Vulcano Piano, etc.

Main table with columns: Code, Station Name, Az, El, AML, AML, Az, El, AML, AML. Lists various stations like TIP Timpangrande, HCRCL Carlentini, IACL Alicudi, etc.

Table with columns: Name, Time, Date, Location, and other details. Includes entries like SOH Sokhos, AOS Alonnissos, SELS Selova, etc.

Table with columns: Name, Time, Date, Location, and other details. Includes entries like VOIR Reutte, RETA, ORIF, DAVA, etc.

Table with columns: Name, Time, Date, Location, and other details. Includes entries like PSZ Piskzesteto, MODS Modra-Piesok, etc.

Table with columns: Name, Time, Date, Location, and other details. Includes entries like BRG, RJF, TCF, L'vov, etc.

Table with columns: Name, Time, Date, Location, and other details. Includes entries like BRG, RJF, TCF, L'vov, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other parameters. Includes stations like KIV Kislovodsk, KVAR Kislovodsk, MTSE Matsu, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other parameters. Includes stations like BANOM Banah, UOSS Minazif, UOSS Minazif, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other parameters. Includes stations like LZH LZH, HHC HHC, YKA Yellowknife Ar, etc.

LJU 28 23:14:03.1, 4639N-15:07E, h0km Rockburst, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other parameters. Includes stations like ISCJB 28 23:17:26.0, IDC 28 23:17:25.0, NEIC 28 23:17:27.3, etc.

NIED 28 23:17:00.38;90N;141.90E;h53km,Mw3.9 Best double couple: M9.27000x1014 NP1.39x193.00000x821.00000x1.85.00000... NP2.9x18.00000x869.00000x1.92.00000...

JMA 28 23:17:45.0;0.7;38.88N;141.91E;h77kmx5km,Mb3.2/3 NEIC 28 23:17:45.0;0.7;38.87N;141.83E;h82kmx19m,Mb3.8/14...

ISC 28 23:17:42.3;0.7;38.90N;141.92E;0.08;h60kmx4km,mb4.1/17, Error ellipse: s-maj=10.4km s-min=5.7km az=22.1

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

JMA 28 23:17:43.0;0.1;38.92N;141.93E;h51kmx1km,Mb3.8 JMA Felt in U.S.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Port Moresby, Warramunga Arr, ASAR, FITZ, VANDA, ILAR, TORO, SIV.

ISC 28 23:27:52.3;0.8;13.24N;60.90W;h0km,mb3.7/11, mb1.3/9,12,mb1mx3.6/54,mbtmp3.7/12,ML4.3/2,MS3.1/3, Ms1.3/13,ms1mx2.6/58, Error ellipse: s-maj=22.7km s-min=15.5km az=80.0

NEIC 28 23:27:54.0;0.0;13.18N;60.74W;h13km,mb4.0/2, MD4.3(TRN), Alter TRN.

NEIC Felt on Saint Vincent. TRN 28 23:27:54.1;13.19N;60.74W;h12km,MD4.2 TRN Felt in St. Lucia, St. Vincent, Grenada, NMI II, III.

ISC 28 23:27:55.0;5.0;15.123N;62.60W;0.03;h20kmx3km, n108,1361/148,mb3.6/14,2D, Windward Islands

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Lists numerous stations including St. Vincent, C, Belmont, Delcer, Patience, etc.

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Saint Thomas, Culebra, Puerto, etc.

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

ISC 28 23:38:47.0;0.8;6.81N;110.04;73.11W;0.04;h150kmx6km, n26,e088/42,2D,Northern Colombia

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Rata Peaks, Stephens Creek, etc.

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

ISCJCB 29 00:17:40.3±0.8, 9.97N; 126.21E±0.07, h17km, 8km, mb3.9/14, Error ellipse: s-maj=12.0km s-min=5.5km az=165.7

MAN 29 00:17:40.5, 9.94N; 126.11E, h14km, mb4.7, ML3.6, MS3.5, IDC 29 00:17:52.8±2.5, 9.87N; 125.90E, h175km, 24km, mb3.5/14, mb1.3, 7/15, mb1mx3.4/6.7, mbtmp4.0/15, MS3.2/2, Ms1.3, 1/2, ms1mx2.4/6.7, Error ellipse: s-maj=30.0km s-min=11.2km az=165.7

ISC 29 00:17:41.0±1.3, 10.00N; 126.15E±0.08, h56km, 12km, n37, c=201/39, mb3.9/14, 3C-2D, Mindanao region

IDC 29 00:23:32.3±0.7, 10.21N; 126.51E, h0km, mb3.8/10, mb1.4, 0/11, mb1mx3.7/6.4, mbtmp3.9/11, ML4.5/1, Error ellipse: s-maj=30.4km s-min=14.6km az=73.0

NEIC 29 00:23:37.5±0.4, 10.16N; 126.42E, h35km, mb4.2/2, Error ellipse: s-maj=16.5km s-min=8.3km az=70.0

NEIC 29 00:23:40.1±0.3, 10.16N; 126.13E, h20km, mb3.8/10, mb1.3, 7/15, mb1mx3.4/6.7, mbtmp4.0/15, MS3.2/2, Ms1.3, 1/2, ms1mx2.4/6.7, Error ellipse: s-maj=30.0km s-min=11.2km az=165.7

ISC 29 00:23:47.5±1.5, 10.05N; 126.34E±0.07, h31km, 11km, n30, c=182/38, mb3.8/13, 3C-ID, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Surigao, Butuan, Maasin, Palo, Borongan, Ormoc, Cagayan de Oro, Lapu-Lapu, Tagbilaran, Musuan, Davao City (W), etc.

IDC 29 00:40:03.6±1.9, 7.98S; 122.93E, h206km, 18km, mb2.9/1, mb1.3, 1/6, mb1mx2.9/5.6, mbtmp3.6/6, Error ellipse: s-maj=41.8km s-min=23.8km az=79.0

ISC 29 00:40:04.4±1.4, 8.10S; 123.00E±0.2, h21km, n6, c=175/9, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Baumata, Fitzroy Crossi, Warramunga Arr, etc.

ATH 29 00:41:22.9, 37.89N; 26.80E, h25km, 1km, ML2.7/4, Error ellipse: s-maj=4.7km s-min=1.0km az=235.0

ISCJCB 29 00:41:24.0±0.6, 37.86N; 102.26E±0.03, h3km, 4km, Error ellipse: s-maj=4.7km s-min=3.2km az=153.6

THE 29 00:41:24.2, 37.83N; 26.62E, h0km, 1km, ML2.6/4, Error ellipse: s-maj=4.6km s-min=0.8km az=232.0

DDA 29 00:41:24.1, 37.88N; 26.67E, h10km, ML2.8, ISK 29 00:41:24.8, 37.92N; 26.76E, h22km, ML3.1/4, Error ellipse: s-maj=4.6km s-min=0.8km az=232.0

ISC 29 00:41:24.6±0.9, 37.88N; 102.26E±0.03, h16km, 6km, n28, c=983/51, Dodecanese Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Surigao, Butuan, Maasin, Palo, Borongan, Ormoc, Cagayan de Oro, Lapu-Lapu, Tagbilaran, Musuan, Davao City (W), etc.

ISCJCB 29 00:25:09.3±1.0, 36.28N; 106.141E±0.09, h26km, mb3.5/3, Error ellipse: s-maj=10.2km s-min=8.1km az=170.2

JMA 29 00:25:11.6±0.2, 36.39N; 141.73E, h40km, M3.2, IDC 29 00:25:16.1±5.8, 36.19N; 141.51E, h62km, 45km, mb3.2/3, mb1.3, 4/5, mb1mx3.1/7.3, mbtmp3.5/5, ML3.4/2, MS3.0/1, Ms1.3, 0/1, ms1mx2.3/2.7, Error ellipse: s-maj=51.5km s-min=12.7km az=66.0

ISC 29 00:25:11.2±1.3, 36.36N; 107.141E±0.09, h26km, n15, c=1919/13, mb3.5/3, Near east coast of eastern Honshu

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

CHOS 29 00:41:24.6±0.9, 37.88N; 102.26E±0.03, h16km, 6km, n28, c=983/51, Dodecanese Islands

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

ISCJCB 29 00:19:36.6±0.6, 14.85S; 167.36E±0.1, h129km, mb3.9/13, Error ellipse: s-maj=18.7km s-min=9.8km az=2

IDC 29 00:19:39.9±3.4, 14.87S; 167.30E, h143km, 30km, mb3.8/12, mb1.3, 9/13, mb1mx3.6/5.3, mbtmp4.2/13, Error ellipse: s-maj=20.8km s-min=16.9km az=88.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Surigao, Butuan, Maasin, Palo, Borongan, Ormoc, Cagayan de Oro, Lapu-Lapu, Tagbilaran, Musuan, Davao City (W), etc.

GUC 29 00:36:26.0±0.7, 24.28S; 68.31W, h194km, 16km, ML3.6, 4C-4D, Chile-Argentina border region

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

SOME 29 01:05:49.0, 42.12N; 84.28E, h5km, BUJ 29 01:05:52.2, 41.19N; 83.62E, h7km, mb4.0/3, ML4.0/11, NNC 29 01:05:56.2±3.3, 41.46N; 83.51E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=27.6km s-min=15.3km az=131.0

ISC 29 01:05:53.2±1.3, 41.30N; 108.83E±0.4, h10km, n30, c=303/53, 7C-5D, Southern Xinjiang

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

mb1 4.3/6, mb1mx3.7/57, mbtmp4.1/6, ML2.4/1, Error ellipse: s-maj=58.0km s-min=23.8km az=117.0

ISCJB 29 03:16:23.4:1.5, 6.9S:0.2:150.2E:0.2, h34km, mb3.8/4, Error ellipse: s-maj=41.1km s-min=15.5km az=41.8

ISC 29 03:16:25.3:1.6, 6.9S:0.2:150.2E:0.3, h34km, n8, c0f75/9, mb3.8/4, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Port Moresby, Warramunga Arr, Asar Springs, etc.

KRSC 29 03:39:41.2:1.0, 54.79N:160.74E, h124km, 14km, ML3.9, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Tumrok, Mys Kozlova, Kamenistaya, etc.

SJA 29 03:40:45.8:1.0, 28.63S:65.82W, h29km, 2km, ML3.0, MW3.5, Santiago del Estero Province

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Choya, CERRO LA CRUZ, PUNTA DE LOS L, etc.

ISK 29 03:49:21.9:3.4, 77N:33.01E, h10km, ML3.2/8, Error ellipse: s-maj=6.9km s-min=4.9km az=174.9

ISCJB 29 03:49:22.8:0.7, 34.78N:0.04:33.05E:0.04, h11km, 3km, Error ellipse: s-maj=6.9km s-min=4.9km az=174.9

NIC 29 03:49:23.0:0.2, 34.81N:33.05E, h10km, ML3.3 Felt I=II MM at Lemnos.

NIC Felt I=II MM at Lemnos. ISC 29 03:49:23.3:1.0, 34.82N:0.05:33.04E:0.03, h13km, 8km, n22, c0f67/33, Cyprus region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Souni, Mathiatis, Lefka, etc.

Table with columns: SILLI, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Silifke-Mersin, Keben-Mersin, Mersin, etc.

ISCJB 29 04:07:56.2:0.5, 50.26N:0.04:18.73E:0.03, h0km, Error ellipse: s-maj=5, lkm s-min=2.5km az=7.5

PRU 29 04:07:57.8:0.0, 50.27N:18.75E, h0km, Error ellipse: s-maj=5, lkm s-min=2.5km az=7.5

WAR 29 04:07:57.9:0.0, 50.32N:18.75E, h1km, Mw2.5, Error ellipse: s-maj=5, lkm s-min=2.5km az=7.5

ISC 29 04:07:57.2:0.8, 50.20N:0.04:18.77E:0.02, h0km, n21, c0f74/37, Poland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Chorzow, Ostrava-Krasne, Ojcow, etc.

TRN 29 04:18:49.2:18.76N:61.64W, h55km, NEIC 29 04:19:26.2:0.0, 18.85N:63.61W, h54km, MD2.5(RSPR), After RSPR

RSPR 29 04:19:26.2:18.85N:63.61W, h54km, 4km, MD2.5, n14, ISC 29 04:18:50.6:2.8, 18.78N:0.1:61.7W:0.1, h10km, n18, c1f03/22, 8C-3D, Leeward Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Willy Bob, Boggy Peak, Hard Times, etc.

SOME 29 04:22:02.2:43.53N:82.30E, h5km, NNC 29 04:22:05.3:2.1, 43.84N:82.08E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=24.0km s-min=5.1km az=131.0

ISC 29 04:22:03.2:1.7, 43.67N:0.06:82.21E:0.06, h14km, 11km, n28, c2f08/56, 15C-5D, Northern Xinjiang

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Ketmen, Jarkent, Podgorne, etc.

Table with columns: MK31, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Makanchi Array, MK31, etc.

ISCJB 29 05:07:02.9:0.3, 8.71N:0.03:71.21W:0.04, h8km, mb3.9/12, MS3.1/4, Error ellipse: s-maj=6.4km

s-min=3.2km az=37.7, IDC 29 05:07:03.7:0.6, 8.59N:71.43W, h0km, mb3.8/11, mb1 4.2/13, mb1mx3.9/52, mbtmp3.9/13, ML.4, 1.12, MS3.1/6, Ms1 3.1/6, ms1mx2.7/52, Error ellipse: s-maj=15.5km

s-min=9.1km az=165.0, NEIC 29 05:07:03.7:1.6, 8.67N:71.22W, h25km, 12km, mb4.0/2, Mw3.8(CAR), MW3.8(CAR), Error ellipse: s-maj=10.6km

s-min=6.7km az=94.0, NEIC Felt at Merida. ISC 29 05:07:05.0:0.5, 8.70N:0.05:71.36W:0.04, h8km, n70, c1f34/71, mb3.9/12, MS3.1/4, 3D, Venezuela

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Zapla, Cafayete, Santa Barbara, etc.

SJA 29 04:22:32.4:0.7, 24.22S:67.02W, h196km, 13km, ML2.3, MW2.5, ISCJB 29 04:22:33.4:0.4, 24.19S:0.06:67.05W:0.05, h181km, Error ellipse: s-maj=9.0km s-min=3.6km az=33.2

GUC 29 04:22:35.5:0.4, 23.92S:67.53W, h239km, 13km, ML3.8, ISC 29 04:22:33.6:1.2, 24.19S:0.06:67.03W:0.05, h181km, n14, c1f02/27, 3C-3D, Chile-Argentina border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Zapla, Cafayete, Santa Barbara, etc.

ISCJB 29 05:07:02.9:0.3, 8.71N:0.03:71.21W:0.04, h8km, mb3.9/12, MS3.1/4, Error ellipse: s-maj=6.4km

s-min=3.2km az=37.7, IDC 29 05:07:03.7:0.6, 8.59N:71.43W, h0km, mb3.8/11, mb1 4.2/13, mb1mx3.9/52, mbtmp3.9/13, ML.4, 1.12, MS3.1/6, Ms1 3.1/6, ms1mx2.7/52, Error ellipse: s-maj=15.5km

s-min=9.1km az=165.0, NEIC 29 05:07:03.7:1.6, 8.67N:71.22W, h25km, 12km, mb4.0/2, Mw3.8(CAR), MW3.8(CAR), Error ellipse: s-maj=10.6km

s-min=6.7km az=94.0, NEIC Felt at Merida. ISC 29 05:07:05.0:0.5, 8.70N:0.05:71.36W:0.04, h8km, n70, c1f34/71, mb3.9/12, MS3.1/4, 3D, Venezuela

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like Santo Domingo, Santa Barbara, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URIC, RUSC, YOPAL, ZARCO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STVI, ABV, MTP, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COPN, CRUN, XAVN, etc.

ISC/JB 29 05:55:26.5:0.4, 12.20N:0.04:88.61W:0.04, h35km, mb4.2/35, MS3.4/15, Error ellipse: s-maj=7.3km, s-min=2.4km az=39.0

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VSM, CSGN, PCND, TECA, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like X49A, X40A, X41A, etc.

Table with columns: ID, Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table titled 'Northeast of Taiwan' with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

SJA 29 06:27:24.9:0.0, 23:10S:66:73W, h242km, 7km, ML3.9, MW3.5

ISCJB 29 06:27:27.3:0.4, 23:15S:0:04:66:72W, h222km, mb3.4/8, Error ellipse: s-maj=8.5km s-min=5.6km az=163.8

ISC 29 06:27:28.1:2.0, 23:09S:66:40W, h212km, 19km, mb3.3/8, m1 3.5/12, m1mx3.3/45, mbtmp3.8/12, Error ellipse: s-maj=21.8km s-min=12.9km az=69.0

ISC 29 06:27:28.4:0.6, 23:04S:0:06:66:55W, h222km, n29, e232/34, mb3.5/8, Jujuj Province

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

ISCJB 29 06:34:19.2:0.7, 37:86N:0:03:26:71E, h4km, 6km, Error ellipse: s-maj=4.2km s-min=159.3

DDA 29 06:34:19.7:37:89N:26:75E, h7km, ML2.8

ISK 29 06:34:19.7:37:89N:26:71E, h7km, ML2.4/8

ISC 29 06:34:19.6:1.1, 37:89N:0:04:26:71E, h12km, 9km, n15, e046/25, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

ISC 29 06:37:15.4:1.5, 19:33N:64:33W, h0km, mb3.6/3, m1 3.8/4, m1mx3.5/58, mbtmp3.5/4, ML3.3/1, MS3.3/2, Ms1 3.2/2, m1mx2.6/44, Error ellipse: s-maj=42.2km s-min=24.3km az=158.0

ISCJB 29 06:37:17.8:1.2, 19:57N:0:05:64:40W, h0km, h31km, 8km, mb3.5/3, MS3.5/1, Error ellipse: s-maj=8.6km s-min=5.0km az=108.5

NEIC 29 06:37:19.0:0.0, 19:63N:64:40W, h17km, MD3.7(RSPR), After RSPR

RSPR 29 06:37:19.0:19:63N:64:40W, h17km, 17km, MD3.7/11

ISC 29 06:37:17.1:1.9, 19:52N:0:06:64:43W, h0km, h41km, 11km, n59, e071/76, mb3.5/3, 17C-20D, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

ISC 29 07:02:10.2:1.2, 18:01N:147:66E, h0km, mb3.8/8, m1 3.9/8, m1mx3.6/66, mbtmp3.8/8, Error ellipse: s-maj=45.8km s-min=20.5km az=87.0, Mariana Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

ISC 29 07:11:16.2:3.0, 3:70S:151:42E, h0km, mb3.7/3, m1 3.9/3, m1mx3.5/50, mbtmp3.7/3, Error ellipse: s-maj=112.5km s-min=43.0km az=171.0, New Ireland region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

ISC 29 07:21:32.4:3.8, 3:58S:144:51E, h0km, mb3.4/3, m1 3.5/4, m1mx3.4/47, mbtmp3.4/4, ML3.4/1, MS3.1/1, Ms1 3.1/1, m1mx2.4/48, Error ellipse: s-maj=98.0km s-min=30.2km az=95.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

DJA 29 07:23:11.9:0.2, 1:52S:122:2E, h10km, M4.2/11, mb4.4/2, ML4.0/11, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details.

IDC 29 08:29:34.5-0.9,33.63N:141.74E,h0km,mb3.9/10, mb1 3.9/11,mb1mx3.7/76,mbtmp3.8/11,ML3.2/1,MS2.7/3, Ms1 2.7/3,ms1mx2.4/70,Error ellipse: s-maj=25.0km s-min=18.3km az=73.0

ISCJB 29 08:29:38.7-1.2,33.63N:0.04:141.63E:0.09,h41km,9km, mb3.9/11,MS2.7/1,Error ellipse: s-maj=12.3km s-min=6.7km az=8.3

JMA 29 08:29:38.9-0.3,33.76N:141.62E,h65km,M3.2 NEIC 29 08:29:40.1-0.3,33.59N:141.65E,h36km,M3.0,mb4.4/1, Error ellipse: s-maj=16.3km s-min=8.7km az=82.0

ISC 29 08:29:40.3-1.0,33.67N:0.06:141.6E:0.2,h36km,4km, n35,c089/40,mb4.0/11,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like BSO1, BSO3, JHJ2, etc.

TRN 29 08:38:46.6,10.55N:62.13W,h6km,MD3.5,Near coast of Venezuela

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TPP, TRN, GRGR, etc.

IDC 29 08:39:34.7-1.7,12.87N:88.68W,h0km,mb4.1/7, mb1 4.2/10,mb1mx3.9/54,mbtmp4.0/10,ML3.3/3,MS3.4/14, Ms1 3.5/14,ms1mx3.2/49,Error ellipse: s-maj=47.3km s-min=16.0km az=40.0

CASC 29 08:39:35.8-1.1,12.51N:89.03W,h14km,6km,ML3.7, mb4.4(NEIC)

ISCJB 29 08:39:37.5-0.5,12.53N:0.04:88.95W:0.03,h51km,3km, mb4.3/63,MS3.4/13,Error ellipse: s-maj=7.8km s-min=3.6km az=37.0

NEIC 29 08:39:39.3-0.4,12.71N:88.90W,h35km,mb4.4/67,Error ellipse: s-maj=8.5km s-min=3.9km az=34.0

ISC 29 08:39:38.9-0.6,12.61N:0.07:88.95W:0.05,h39km,5km, n33,c105/330,mb4.4/63,MS3.5/13,Off coast of central America

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TECA, LFRS, PAVA, etc.

Main table with columns: ESTN, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Estel, Apoyeeq, Estel, etc.

Table with columns: X53A, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Estanollee, Westpoint, San Juan, etc.

Table with columns: ID, Name, Az, El, Dist, Type, etc. Includes stations like P38A Dawn, NNA Nana, KSU1 Kansas State U, etc.

Table with columns: ID, Name, Az, El, Dist, Type, etc. Includes stations like G40A Rib Lake, G39A Holcombe, SPMN Marine on St., etc.

Table with columns: ID, Name, Az, El, Dist, Type, etc. Includes stations like KMSI General Santos, GSPH General Santos, SKMP Bagumbayan, Su, etc.

BUJ 29 09:49:06.9, 2.94N; 123.02E, h538km, mb5.1/52, mB4.9/34
MOS 29 09:49:11.8, 0.8, 3.51N; 122.71E, h550km, mb4.9/46, Error ellipse: s-maj=8.7km s-min=4.8km az=119.8
DJA 29 09:49:12.5, 0.2, 3.1N; 122.3E, h538km, mb4.8/66, mb5.1/66, mb5.3/47, MLV5.5/18, MW(mb)4.8/47
NEIC 29 09:49:12.3, 0.1, 3.45N; 122.69E, mb4.9/11.6, Error ellipse: s-maj=7.7km s-min=5.7km az=60.0
IDC 29 09:49:12.7, 0.4, 3.45N; 122.68E, h547km, mb4.3/52, mb1.4/3.6, mb1.4x2.6/66, mb1.4x2.6/66, Error ellipse: s-maj=7.1km s-min=5.2km az=63.0
ISCBJ 29 09:49:12.0, 0.1, 3.43N; 122.68E; 0.02, h553km, mb2km, mb4.8/21.4, Error ellipse: s-maj=2.9km s-min=2.3km az=157.8
GCMT 29 09:49:13.4, 0.5, 3.52N; 122.93E; 0.05, h557km, 4km, MW5.3/48, Moment Tensor Solution. s48, c67; Duration: 1st Moment tensor, Scale 10^17Nm; Mr0.50; 0.5; Mw0.25; 0.7; Mb0.0.74; 0.8; Mb0.0.32; 0.9; Mw0.24; 0.7; Mr0.94; 0.7; Best double couple; M1.211 Mw0.2117 NP1=195.00000; 876.00000; 1.112.00000; NP2=315.00000; 826.00000; 1.33.00000; Principal axes: T 1.1690, Plg54.0000, Azm132.0000; N 0.0830, Plg22.0000; Azm9.0000; P -1.2530, Plg28.0000; Azm267.0000; nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function
KLM 29 09:49:14.0, 0.3, 3.38N; 122.62E, h544km
ISC 29 09:49:12.8, 0.3, 3.44N; 122.70E; 0.04, h551km, 3km, h553km; p-P, n836, e1921/986, mb4.9/215, 14C-17D, Celebes Sea

MK01	Makanchi Array	55.54 327 eP	P	P	09 57 55.9 -0.3
MK31	Makanchi Array	55.56 327 eP	P	P	09 57 56.8 +0.4
MK31	Makanchi Array	55.56 327 eP	P	P	09 57 56.8 +0.4
MKAR	Makanchi Array	55.56 327 eP	P	P	09 57 56.7 +0.4
MKAR	comp=Z,300nm,1.6s		PcP	PcP	09 58 48.2 +0.3
MKAR	comp=Z,6.5nm,0.5s,baz=166,slow=4.1,SNR=5.5		pP	pP	09 59 42.0 -0.6
MKAR	comp=Z,2.3nm,0.6s,baz=118,slow=9.9,SNR=17		ScP	ScP	10 01 54.2 0.0
MKAR	comp=Z,7.2nm,0.6s,baz=134,slow=5.0,SNR=9.4		S	S	10 05 01.6 +1.2
MKAR	comp=Z,0.5nm,0.7s,baz=142,slow=15.5,SNR=3.3		ScS	ScS	10 06 45.4 -3.2
MKAR	comp=Z,0.9nm,0.8s,baz=156,slow=9.3,SNR=3.9		P	P	09 57 56.8 +0.4
MKAR	Makanchi Array	55.56 327 eP	P	P	09 57 56.8 +0.4
MKAR	comp=Z,386nm,0.4s		pP	pP	09 58 48.2 +0.3
MKAR			pP	pP	09 59 42.0 -0.6
MKAR			ScP	ScP	10 01 54.2 0.0
MKAR			ScS	ScS	10 05 01.6 +1.2
MKAR			ScS	ScS	10 06 45.4 -3.2
MKAR	Makanchi Array	55.56 327 eP	P	P	09 57 56.8 +0.4
MKAR			*PP	*PP	09 59 42.0 -0.6
MKAR			S	S	10 05 01.6 +1.2
MKAR					10 06 45.4
MKAR			pmax	pmax	
MAKZ	Makanchi	55.74 327 eP	P	P	09 57 58.0 +0.4
MAKZ	Makanchi	55.74 327 eP	P	P	09 57 58.0 +0.4
ULHL	Ulahol	56.60 320 eP	P	P	09 58 05.4 +1.5
KZA	Kyzart	57.16 319 P	P	P	09 58 09.4 +1.5
PEA0B	Petrovskovsk-	57.28 24 eP	P	P	09 58 09.5 +1.5
PETK	Petrovskovsk-	57.28 24 P	P	P	09 58 09.1 +1.1
PETK	comp=Z,139nm,0.8s,baz=198,slow=4.8,SNR=15		PcP	PcP	09 58 54.9 +0.3
TKM2	Tokmak 2	57.34 320 P	P	P	09 58 09.9 +0.9
TKM2	comp=Z,7.1nm,0.6s,baz=208,slow=5.1,SNR=2.1		P	P	09 58 09.9 +0.9
TKM2	Tokmak 2	57.34 320 P	P	P	09 58 09.3 +0.4
SFK	Sufi-Kurgan	57.37 316 P	P	P	09 58 09.9 +0.7
PET	Petrovskovsk	57.61 25f eP	P	P	09 58 09.9 -0.3
UCH	Uchtor	57.71 319 P	P	P	09 58 13.8 +2.0
AAK	Ala-Archa	57.92 320 P	P	P	09 58 14.1 +1.3
AAK	comp=Z,139nm,0.5s,baz=109,slow=5.4,SNR=24		pP	pP	10 00 00.2 -0.1
AAK	Ala-Archa	57.92 320 eP	P	P	09 58 13.8 +1.1
AAK	Ala-Archa	57.92 320 eP	P	P	09 58 14.4 +1.6
AAK	Ala-Archa	57.92 320 P	P	P	10 00 00.2 -0.1
AAK	Ala-Archa	57.92 320 P	P	P	10 05 32.4 +1.3
AAK	Ala-Archa	57.92 320 P	P	P	09 58 14.4 +1.6
AAK	Ala-Archa	57.92 320 iP	P	P	09 58 14.0 +1.2
AAK	Ala-Archa	57.92 320 eP	P	P	09 58 14.4 +1.6
AAK	Ala-Archa	57.92 320 P	P	P	10 00 00.3 -0.1
AAK	Ala-Archa	57.92 320 P	P	P	10 05 32.4 +1.3
AAK	Ala-Archa	57.92 320 P	P	P	09 58 13.2 +0.5
FRU	Bishkek	57.93 320 eP	P	P	09 58 12.0 -0.7
FRU	comp=Z,40nm,2.0s		pmax	pmax	
AML	Almayashu	58.20 319 P	P	P	09 58 16.6 +1.6
USP	Ospenovka	58.22 320 P	P	P	09 58 15.3 +0.6
EKS2	Erkin-Say	58.39 319 P	P	P	09 58 17.1 +1.2
KBL	Kabul	58.53 309 eP	P	P	09 58 17.6 +0.4
KBL	Kabul	58.53 309 eP	P	P	09 58 17.6 +0.4
YAK	Yakutsk	58.69 4 eP	P	P	09 58 17.5 +0.2
YAK	comp=Z,39nm,0.6s,baz=106,slow=8.1,SNR=9.2		ePP	ePP	10 00 01.9 -3.4
YAK	Yakutsk	58.69 4 eP	P	P	10 03 42.1
YAK	Yakutsk	58.69 4 eP	P	P	10 05 41.6 +1.9
YAK	Yakutsk	58.69 4 eP	P	P	10 07 09.5
YAK	Yakutsk	58.69 4 eP	P	P	10 09 49.7 +4.5
YAK	comp=Z,42nm,0.9s		pmax	pmax	
YAK	comp=N,7.0nm,0.9s		pmax	pmax	
YAK	comp=E,2.0nm,0.6s		pmax	pmax	
YAK	comp=Z,83nm,2.5s		pmax	pmax	
YAK	comp=N,102nm,3.0s		pmax	pmax	
YAK	comp=E,130nm,2.9s		pmax	pmax	
YAK	comp=N,70nm,2.2s		pmax	pmax	
ZAA0	Zalesovo Arra	59.08 335 eP	P	P	09 58 20.1 -0.1
ZALV	Zalesovo Beam	59.08 335 P	P	P	09 58 19.4 -0.7
ZALV	comp=E,12nm,0.4s,baz=129,slow=5.0,SNR=37		P	P	10 00 00.8 -0.2
ZALV	comp=E,2.1nm,0.7s,baz=144,slow=5.2,SNR=1.2		S	S	10 05 42.6 -2.4
ZALV	comp=E,2.3nm,0.6s,baz=134,slow=8.3,SNR=10.0		ScS	ScS	10 07 06.8 -7.4
ZALV	comp=E,1.0nm,0.3s,baz=141,slow=7.1,SNR=3.1		PKP2bc	PKP2bc	10 27 54.4
MNAS	Mnas	59.15 319 P	P	P	09 58 21.1 0.0
MNAS	comp=Z,43nm,0.8s		pmax	pmax	
KURBB	Kurchatov Arra	59.87 329 P	P	P	09 58 25.8 +0.4
KURBB	comp=Z,49nm,0.8s,baz=133,slow=6.2,SNR=11.5		PcP	PcP	09 59 05.0 0.0
KURBB	comp=Z,2.0nm,0.5s,baz=130,slow=6.2,SNR=1.9		pP	pP	10 00 13.4 -0.6
KURBB	comp=Z,4.9nm,0.9s,baz=131,slow=6.3,SNR=2.4		ScP	ScP	10 02 12.9 -0.2
KURBB	comp=Z,1.2nm,0.6s,baz=129,slow=5.2,SNR=3.4		S	S	10 05 54.0 -0.9
KURBB	comp=Z,3.8nm,1.1s,baz=133,slow=11.1,SNR=12		P	P	09 58 25.9 +0.4
KURK	Kurchatov	59.87 329 eP	P	P	09 58 25.9 +0.4
KURK	comp=Z,802nm,0.5s		PcP	PcP	09 59 05.0 0.0
KURK	Kurchatov	59.87 329 eP	P	P	10 00 13.8 -0.3
KURK	Kurchatov	59.87 329 eP	P	P	10 02 12.9 -0.3
KURK	Kurchatov	59.87 329 eP	P	P	10 05 54.0 -1.0
KURK	Kurchatov	59.87 329 eP	P	P	09 58 26.0 +0.4
KURK	Kurchatov	59.87 329 eP	P	P	09 58 25.9 +0.4
KURK	Kurchatov	59.87 329 eP	P	P	09 59 05.0
KURK	Kurchatov	59.87 329 eP	P	P	10 00 13.8 -0.3
KURK	Kurchatov	59.87 329 eP	P	P	10 05 54.1 -1.0
NVS	Novosibirsk	60.37 335 i/P	P	P	09 58 28.5 -0.2
NVS	comp=Z,802nm,0.5s		i/S	i/S	10 09 09.0
NVS	Novosibirsk	60.37 335 i/P	P	P	10 05 00.2 -0.9
NVS	comp=Z,38nm,0.7s		pmax	pmax	
NVS	comp=N,22nm,0.5s		pmax	pmax	
NVS	comp=E,23nm,0.5s		pmax	pmax	
NVS	comp=N,19nm,1.6s		pmax	pmax	
NVS	comp=N,19nm,1.6s		pmax	pmax	

KK31	Karatay Array	60.74 318 eP	P	P	09 58 31.5 +0.1
KK31	Karatay Array	60.74 318 eP	P	P	09 58 31.5 +0.1
KKAR	Karatay Array	60.74 318 eP	P	P	09 58 31.5 +0.1
KKAR	Karatay Array	60.74 318 eP	P	P	09 58 31.5 +0.1
OTUK	Ortuy	61.97 324 P	P	P	09 58 39.1 -0.2
OTUK	comp=Z,31nm,0.7s		pmax	pmax	
DLZ	Deep Cove	62.67 146 eP	P	P	09 58 45.2 +1.4
DLZ	comp=Z,43nm,0.9s		P	P	09 58 48.0 +0.9
MCV	Mavora Lakes	63.15 146 eP	P	P	09 58 48.3 +0.9
SEY	Seymchan	63.27 15 iP	P	P	09 58 48.9 +0.7
WKZ	Wanaka	63.34 145 eP	P	P	09 58 49.1 +0.7
WHZ	White Hill Ro	63.37 146 eP	P	P	09 58 49.1 +0.7
LBZ	Lake Benmore	63.76 144 eP	P	P	09 58 52.0 +1.1
RPZ	Rata Peaks	63.90 143 eP	P	P	09 58 52.7 +0.9
THZ	Tophouse	64.00 140 eP	P	P	09 58 53.2 +0.7
LTZ	Lake Taylor	64.14 141 eP	P	P	09 58 54.2 +0.8
OXZ	Oxford	64.28 142 eP	P	P	09 58 54.7 +0.4
ODZ	Otahu Downs	64.41 144 eP	P	P	09 58 56.2 +1.3
KHZ	Kahutara	64.74 141 eP	P	P	09 58 57.4 +0.3
CR LZ	Canterbury Las	64.78 142 eP	P	P	09 58 59.0 +1.6
WSAR	Wadi Sarin	64.86 294 P	P	P	09 58 57.4 -0.9
MOZ	McQueen's Vall	64.87 142 eP	P	P	09 58 59.0 +1.1
SNZO	comp=Z,52nm,1.0s		P	P	09 58 57.7 -0.6
BKZ	Black Stump Fm	65.11 136 eP	P	P	09 58 59.9 +0.3
URZ	Urevera	65.13 135 eP	P	P	09 59 00.0 +0.4
BIDDO	Biddibid	65.32 294 P	P	P	09 59 00.5 -0.9
BVA0	Borovoye Array	65.41 328 P	P	P	09 59 00.9 -0.3
BVA0	comp=Z,53nm,1.3s		pmax	pmax	
BVAR	Borovoye Array	65.41 328 P	P	P	09 59 01.1 0.0
BVAR	comp=Z,9.4nm,0.3s,baz=138,slow=9.3,SNR=40		pP	pP	10 00 51.7 -0.8
BVAR	comp=Z,1.5nm,0.5s,baz=111,slow=7.9,SNR=18.6		P	P	10 07 01.2 -1.3
BRVK	Borovoye	65.48 328 eP	P	P	09 59 01.5 -0.1
BRVK	comp=Z,0.6nm,0.5s,baz=98,slow=11.1,SNR=3.2		ePP	ePP	10 00 52.8 -1.3
BRVK	Borovoye	65.48 328 P	P	P	09 59 01.6 -0.1
BRVK	Borovoye	65.48 328 eP	P	P	09 59 01.5 -0.1
BRVK	Borovoye	65.48 328 eP	P	P	10 00 52.0 -1.0
BRVK	Borovoye	65.48 328 eP	P	P	09 59 03.6 +0.7
BFZ	Birch Farm	65.65 138 eP	P	P	09 59 03.6 +0.7
MDH	Madha	67.23 296 P	P	P	09 59 11.4 -1.6
UOSS	Minazif	67.27 296 P	P	P	09 59 12.5 -0.8
BANOM	Banah	67.31 297 P	P	P	09 59 12.8 -0.7
HATD	Hatta, Dubai	67.32 295 P	P	P	09 59 13.5 -0.1
ASHO	Ashtiyah	67.37 295 P	P	P	09 59 13.4 -0.5
SHME	Shamm	67.47 297 P	P	P	09 59 13.8 -0.7
ALNE	Al Ain	67.58 294 P	P	P	09 59 15.1 -0.1
NAZ	Nazwa, Dubai	67.76 295 P	P	P	09 59 16.4 +0.1
GEYT	Alibeh Hill	67.96 310 P	P	P	09 59 17.0 -0.3
GYA0B	ALIBECK ARRAY	67.96 310 eP	P	P	09 59 18.3 +1.0
ASUD	Al Ashush, Dub	68.02 295 P	P	P	09 59 18.0 +0.2
ASUD	Al Ashush, Dub	68.02 295 P	P	P	09 59 18.5 +0.6
TIXI	Tiksi	68.23 2 P	P	P	09 59 17.4 -0.8
NRK	Norik	69.79 347 P	P	P	09 59 27.4 -0.1
AB31	Akbulak array	69.85 322 eP	P	P	09 59 27.9 -0.5
AB31	comp=Z,28nm,0.7s,baz=331,slow=24,SNR=20		pmax	pmax	
AB31	Akbulak array	69.85 322 eP	P	P	09 59 28.2 -0.1
CASY	Casey	70.11 185 eP	P	P	09 59 29.4 0.0
AKTO	Aktubinsk	71.41 322 P	P	P	09 59 37.6 +0.1
AKTO	comp=Z,39nm,0.6s,baz=106,slow=8.1,SNR=9.2		pP	pP	10 01 30.4 -1.2
AKTO	comp=Z,2.6nm,0.7s,baz=119,slow=10.1,SNR=1.4		S	S	10 08 09.8 -2.1
SVE	Sverdlovsk	72.13 329 eP	P	P	09 59 41.6 +0.1
SVE	comp=Z,65nm,0.8s		pmax	pmax	
ARU	Arti	73.05 328 P	P	P	09 59 46.4 -0.5
ARU	comp=Z,22nm,0.7s,baz=100,slow=2.8,SNR=34.1		P	P	10 08 26.0 -4.0
ARU	Arti	73.05 328 eP	P	P	09 59 46.1 -0.7
ARU	comp=Z,33nm,0.8s		S	S	10 08 26.0 -4.0
ARU	Arti	73.05 328d i/P	P	P	10 01 42.2 +0.6
ARU	Arti	73.05 328d i/P	P	P	10 02 35.9
ARU	Arti	73.05 328d i/P	P	P	10 08 27.3 -2.7
RAYN	Ar Rayn	76.90 293 eP	P	P	10 00 08.6 -0.6
RAYN	comp=Z,47nm,1.0s		P	P	10 00 09.0 -0.2
RAYN	Ar Rayn	76.90 293 i/P	P	P	10 00 08.6 -0.6
RAYN	Ar Rayn	76.90 293 eP	P	P	10 00 08.6 -0.6
RAYN	Ar Rayn	76.90 293 eP	P	P	10 00 08.6 -0.6
OPO	Ambolditratopo	77.41 250 P	P	P	10 00 11.5 -0.6
ABPO	Ambohimpom	77.44 250 eP	P	P	10 00 12.6 +0.3
ABPO	Ambohimpom	77.44 250 eP	P	P	10 00 12.6 +0.3
DAMY	Dhamar	77.83 284 eP	P	P	10 00 16.0 +1.3
GNI	Garni	78.59 310 eP	P	P	10 00 20.5 +2.5
GNI	comp=Z,20nm,0.8s		P	P	10 00 18.4 +0.3
GNI	Garni	78.59 310eP	P	P	10 00 20.1 +1.5
GNI	Garni	78.59 310eP	P	P	10 00 20.1 +1.5
TBLG	Delisi	78.73 312 eP	P	P	10 00 20.1 +1.5
TBLG	comp=Z,31nm,0.7s		pmax	pmax	
ATD	Arta Tunnel	79.39 281 P	P	P	10 00 23.7 +1.0
ZEI	Tsey	79.58 313 eP	P	P	10 00 20.2 -2.4
ZEI	comp=Z,33nm,0.8s		pmax	pmax	
AKH	Akhalkalaki	79.64 311 eP	P	P	10 00 25.3 +1.7
AKH	Akhalkalaki	79.64 311 eP	P	P	10 00 25.3 +1.7
AKH	Akhalkalaki	79.64 311 eP	P	P	10 00 25.3 +1.7
SDPT	Sand Point	79.69 34 eP	P	P	10 00 23.7 +0.4
NCK	Naichik	79.7			

29d 9h

Table with columns for station name, frequency, power, and other technical details. Includes stations like AK11 Malin Array Si, SPITS Spitsbergen Ar, FINES FINESS Array B, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like ISCO Idaho Springs, S22A 4UR Ranch, TORO Torodi Ar, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like K41A Shullsburg, I43A Langefeld Bro, M40A Post Highland, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like 4Q7A Bedord North L, 240A Long Farm, Mag, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like 252A Williamson, KM5C Kings Mountain, 152A Waverly Hall, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Residual, and other parameters. Includes stations like UGLR Ugllovaya, AVH Avacha, SDLR Sedlovina, etc.

29d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAMN Ramite, AKTO Aktyubinsk, ZALV Zalesovo Beam, TORB Torodi Arr, etc.

ISCJB 29 11:45:39.6, 0.8, 21.195, 0.04, 68.6W, 0.2, h135km, 10km, mb3.6/2, Error ellipse: s-maj=23.6km s-min=5.9km az=11.4

GUC 29 11:45:39.9, 0.6, 21.165, 0.68, 62W, h128km, 4km, ML3.5, IDC 29 11:45:41.6, 5.3, 21.085, 68.00W, h132km, 6.1km, mb3.6/2, mb1 3.5/3, mb1mx3.1/46, mbtmp3.9/3, Error ellipse: s-maj=93.0km s-min=31.1km az=113.0

ISC 29 11:45:40.1, 1.1, 21.195, 0.05, 68.6W, 0.2, h128km, 12km, n14, c0573/25, 7C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AZER 29 11:46:25.0, 0.7, 38.50N, 46.65E, h3km, 37km, m4, 1/12, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VANB Van, CUKT Cukurca, GEVA Gevas, DDFL Defolistskaro, etc.

IDC 29 11:50:05.6, 18.0, 18.04S, 169.78E, h181km, 107km, mb3.7/5, mb1 3.8/6, mb1mx3.3/52, mbtmp4.1/6, Error ellipse: s-maj=217.4km s-min=33.7km az=30.0, Vanuatu

IDC 29 11:58:53.2, 1.6, 5.79S, 147.39E, h81km, 19km, mb4.1/7, Mb1 2.9/4, ms1mx2.7/46, Error ellipse: s-maj=31.3km s-min=21.1km az=107.0

ISCJB 29 11:58:53.0, 0.4, 6.25S, 0.04, 147.16E, 0.06, h77km, mb4.7/20, Error ellipse: s-maj=9.3km s-min=4.6km az=15.0

NEIC 29 11:58:58.9, 0.8, 6.19S, 147.19E, h102km, 9km, mb4.3/5, Error ellipse: s-maj=10.5km s-min=7.4km az=119.0

ISC 29 11:58:54.0, 6.1, 6.12S, 0.06, 147.21E, 0.08, h77km, n37, c2541/40, mb4.9/20, Eastern New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Charters Tower, WRA Warramunga Arr, etc.

1400

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, TARA Tarawa, BBOO Buckleboo, etc.

NIED 29 12:13:00.27, 70N, 143.10E, h11km, Mw3.6, Best double couple: M2.93000x1014, NP1.2e211.00000, s878.00000, lambda-172.00000, NP2.2e210.00000, s882.00000, lambda-172.00000

IDC 29 12:13:02.2, 0.7, 27.90N, 142.88E, h0km, mb4.0/16, mb1 4.1/18, mb1mx3.9/78, mbtmp3.9/18, ML3.6/2, MS2.9/2, Mb1 2.9/2, mb1mx2.4/74, Error ellipse: s-maj=22.1km s-min=12.0km az=92.0

ISCJB 29 12:13:03.0, 5.0, 27.90N, 142.86E, 0.09, h22km, mb4.1/22, Error ellipse: s-maj=11.7km s-min=5.1km az=179.8

NEIC 29 12:13:03.4, 0.5, 27.85N, 142.86E, h10km, mb4.4/4, Error ellipse: s-maj=13.9km s-min=6.1km az=81.0

ISC 29 12:13:05.6, 0.7, 27.90N, 142.86E, 0.1, h22km, n43, c1971/47, mb4.2/22, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBJH Chichijima, INU Inuyama, MJAR Matsushiro Arr, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KURK Kurchatov, KSH Kashi, BVAR Borovoye Array, AKTO Aktyubinsk, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SNAA Sanae, ANMO Albuquerque, QNSO South Pole Qui, NVAR Mina Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AKASG Malin Array, KURBS Kurchatov Arra, MKAR Makanchi Array, FINES FINES Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB08 IPOC Station P, PB11 IPOC Station P, PB16 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IDOB Doab, SHGR Shooshtar-Oavs, IKOM Komasi, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MTVR Mutnovka, GRL Gorelyy, BZGR Bezymyanni-Gr, etc.

29d 13h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ULM, K22A, TPNV, etc.

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Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SUMG, L40A, K41A, etc.

1404

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PKLM Kerr Lake, BCH Branch Mountain, MCMV Convict Lake, PKM Mchpherson Peak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TURN Turunc, DALY Dalyan (Mu'la), DAILY Dalyan (Mu'la), etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MLZ Mavora Lakes, DCZ Deep Cove, STKA Stephens Creek, etc.

DDA 29 13:06:59.7, 37.02N, 28.43E, h7km, M12.6, Suspected Mining explosion.
ISK 29 13:06:59.7, 37.01N, 28.43E, h8km, M12.1/9
ISCJB 29 13:07:00.2, 37.01N, 0.04, 28.38E, 0.05, h0km, Error ellipse: s-maj=6.8km, s-min=3.7km, az=140.5

ISCJB 29 13:34:29.5, 1.1, 17.65S, 0.03, 168.31E, 0.03, h106km, 9km, mb4.9/93, Error ellipse: s-maj=6.0km, s-min=5.2km, az=31.0
BUI 29 13:34:29.6, 17.83S, 168.29E, h105km, mb4.6/29, mB5.1/17
MOS 29 13:34:30.0, 1.1, 17.64S, 168.33E, h112km, mb4.9/12, Error ellipse: s-maj=10.8km, s-min=9.1km, az=134.0

ISC 29 13:34:30.2, 0.1, 17.61S, 168.33E, mb5.1/56, Error ellipse: s-maj=4.7km, s-min=3.8km, az=108.0
NEIC 29 13:34:30.0, 0.5, 17.63S, 168.34E, h100km, 4km, mb4.5/28, mb1.4/30, mb1mx4.4/52, mbmp4.8/30, MS4.1/40, Ms1.4/140, ms1mx4.0/49, Error ellipse: s-maj=10.9km, s-min=8.9km, az=82.0
GCMT 29 13:34:30.2, 0.1, 17.69S, 0.01, 168.19E, 0.01, h109km, MW5.5/126, Moment Tensor Solution. s107.0/c1; s126.c256; Duration: 1s3 Moment tensor: Scale 1017 Nm; Mn:0.28e-02; Mw:1.06e-02; Ms:1.34e-02; mIo:0.85e-02; mN:1.42e-02; mP:0.46e-02; Best double couple: M2: 10200x1017 N2: 293x220x200x870 0.00000, 1.18.00000, 1.18.00000, Principal axes: P=2.2040, Plg2.0000, Azm155.0000; N=0.2080, Plg3.0000, Azm339.0000; P=2.0010, Plg2.0000, Azm246.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 29 13:34:30.2, 0.4, 17.65S, 0.04, 168.37E, 0.05, h104km, 2km, h104km, pP-P, n278, c1s53/300, mb5.0/92, 5C-3D, Vanuatu Islands

29d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND Hy 42.33 87 T, H11S1 WAKE ISLAND Hy 42.34 87 T, H11S2 WAKE ISLAND Hy 42.35 87 T, etc.

SJA 29 14:30:02.4:0.7, 28.14S:69.05W, h117km, gkm, ML3.3, MW3.6, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VCA Vinchina, VCA comp=Z.492nm,0.2s, VCA GUANDACOL, etc.

IDC 29 14:56:57.6:1.6, 35.47N:141.70E, h0km, mb3.4/4, mb1 3.5/7, mb1mx3.3/71, mbtrmp3.4/7, ML3.0/3, Error ellipse: s-maj=39.8km s-min=20.4km az=71.0

JMA 29 14:57:01.3:0.1, 35.46N:141.39E, h19km, hkm, M3.3, ISC 29 14:56:59.1:2.2, 35.48N:0.05:141.53E:0.10, h9km, 11km, n23, c1f342/22, mb3.5/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHJOJ Chosi, BSO1 Boso 1, JIHU Itahourinouch, KTR Katsura, BSO3 Boso 3, etc.

MAN 29 15:39:18.0, 8.03N:125.11E, h11km, mb4.3, ML3.1, MS2.9, 1C-10, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUKP Musuan, CQP Cagayan de Oro, CTBH Cotabato-PC H, etc.

IDC 29 16:03:22.6:0.9, 43.69N:85.32E, h0km, mb3.8/9, mb1 3.8/13, mb1mx3.5/85, mbtrmp3.7/13, ML3.2/4, MS2.5/1, Ms1 2.5/1, ms1mx2.1/75, Error ellipse: s-maj=30.9km s-min=11.5km az=52.0

ISCJB 29 16:03:23.3:0.5, 43.90N:0.06:85.31E:0.05, h10km, mb3.8/10, Error ellipse: s-maj=8.8km s-min=4.9km az=18.1

NNC 29 16:03:25.1:5.3, 43.82N:85.36E, h0km, mb3.9, mpv3.6, Error ellipse: s-maj=48.3km s-min=21.8km az=129.0

BUI 29 16:03:26.0, 43.63N:85.27E, h10km, mb3.9/1, ML3.5/9, NEIC 29 16:03:28.2:1.6, 43.80N:85.41E, h38km, 13km, mb4.3/2, Error ellipse: s-maj=16.6km s-min=12.7km az=196.0

ISC 29 16:03:25.2:0.7, 43.80N:0.07:85.33E:0.05, h10km, n33, c2509/45, mb3.7/10, 9C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMQ Urumqi, WMQ comp=N,3um,0.5s, WMQ comp=E,3um,0.5s, MK01 Makanchi Array, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MKAR 18nm,0.3s,baz=152,slow=24,SNR=7.0, MKAR 52nm,0.3s,baz=137,slow=29,SNR=16.1, etc.

BVAR Borovoye Array 13.53 318 Pn Pn 16 06 36.7 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BVAR comp=Z,0.2nm,0.3s,baz=119,slow=13,SNR=3.0, BVAR comp=Z,0.3nm,0.3s,baz=114,slow=21,SNR=2.5, etc.

IDC 29 16:08:53.8:2.1, 3.53N:126.62E, h0km, mb3.3/4, mb1 3.5/4, mb1mx3.2/65, mbtrmp3.3/4, Error ellipse: s-maj=125.2km s-min=27.9km az=69.0, Talaud Islands

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

NIED 29 16:11:00.38:20.141.70E, h56km, Mw3.5 Best double couple: M2 31000:1014 NP1s:186.00000:1.020.00000, 1.67.00000. NP2s:31.00000:0.866.00000:0.810.00000. ISCJB 29 16:11:20.2:0.8, 38.17N:0.04:141.77E:0.08, h56km, 6km, mb3.6/4, Error ellipse: s-maj=10.9km s-min=5.0km az=22.7

JMA 29 16:11:21.3:0.1, 38.17N:141.71E, h51km, 1km, M3.7, IDC 29 16:11:22.1:3.0, 38.21N:141.74E, h58km, 26km, mb3.4/4, mb1 3.4/7, mb1mx3.1/77, mbtrmp3.6/7, ML3.1/3, Error ellipse: s-maj=20.4km s-min=10.3km az=114.0

ISC 29 16:11:20.5:1.4, 38.16N:0.04:141.83E:0.09, h44km, 13km, n27, c1f15/35, mb3.7/4, Near east coast of eastern Honshu

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

MAN 29 16:11:22.1:3.0, 38.21N:141.74E, h58km, 26km, mb3.4/4, mb1 3.4/7, mb1mx3.1/77, mbtrmp3.6/7, ML3.1/3, Error ellipse: s-maj=20.4km s-min=10.3km az=114.0

ISC 29 16:11:20.5:1.4, 38.16N:0.04:141.83E:0.09, h44km, 13km, n27, c1f15/35, mb3.7/4, Near east coast of eastern Honshu

JMA 29 16:11:21.3:0.1, 38.17N:141.71E, h51km, 1km, M3.7, IDC 29 16:11:22.1:3.0, 38.21N:141.74E, h58km, 26km, mb3.4/4, mb1 3.4/7, mb1mx3.1/77, mbtrmp3.6/7, ML3.1/3, Error ellipse: s-maj=20.4km s-min=10.3km az=114.0

ISC 29 16:11:20.5:1.4, 38.16N:0.04:141.83E:0.09, h44km, 13km, n27, c1f15/35, mb3.7/4, Near east coast of eastern Honshu

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

1408

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, MKAR Makanchi Array, KURBB Kurchatov Arra, WRA Warramunga Arr, etc.

BUI 29 16:14:00.4, 40.69N:114.81E, h21km, ML3.8/9, 1C, Northeastern China

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BJI Beijing, BJI comp=N,2um,0.6s, BJI comp=E,2um,0.7s, BTO Baotou, TIA Tai'an, etc.

DJA 29 16:14:09.2:0.3, 3.3S:12.9E, h10km, M3.5/7, MLv3.5/7, Seram

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSAI Masohi, AAI Ambon, NLAJ Namlea, LBMI Labuha, LBLM Labuha, VRI Sorong, SWI Sorong, FAKI Fak Fak, etc.

BUC 29 16:23:51.6:0.5, 45.72N:26.57E, h144km, 4km, MD3.8/5, 34C-28D, Error ellipse: s-maj=4.7km s-min=3.5km az=315.0, Romania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLOAR Plostinia, PLOAR Plostinia, VRI Vrincoiaia, VRI Vrincoiaia, ODBI Odobesti, ODBI Odobesti, GREER Greer, GREER Greer, PETRI Petresti, PETRI Petresti, MLR Muntele Rosu, MLR Muntele Rosu, ISR Istrita, ISR Istrita, SEC SEC, SEC SEC, TESR Tescani, TESR Tescani, DOPR Dopca, DOPR Dopca, PLAR PLOIESTI, PLAR PLOIESTI, SULR Sulina, SULR Sulina, VOIR VOIR, VOIR VOIR, GIUM Giurgulesti, GIUM Giurgulesti, MTUR Matau, MTUR Matau, CFR Caracul, CFR Caracul, AMRR Amara, AMRR Amara, CIOR Ciorgarla, CIOR Ciorgarla, LEOM Leova, LEOM Leova, AARR Arges, AARR Arges, HARR Harsova, HARR Harsova, BUC1 Bucharest, BUC1 Bucharest, TLB Topalu, TLB Topalu, SGRR Singureni, SGRR Singureni, HUMR Humele, HUMR Humele, TCCR TCCR, TCCR TCCR, CVDA Cernavoda, CVDA Cernavoda, TIRR Tirgusor, TIRR Tirgusor, IOR Ion Corvin, IOR Ion Corvin, MILM Milestii Mici, MILM Milestii Mici, MANR Mangalia, MANR Mangalia, MDVR Moldovita, MDVR Moldovita, MDVR Moldovita, etc.

ISK 29 16:25:55.8, 38.85N:25.97E, h9km, ML3.2/19, ISCJB 29 16:25:56.2:0.4, 38.87N:0.02:25.97E:0.03, h5km, 3km, Error ellipse: s-maj=3.9km s-min=2.8km az=162.4

ATH 29 16:25:56.4, 38.88N:25.98E, h21km, 5km, ML2.8/4, Error ellipse: s-maj=5.7km s-min=1.2km az=331.0

DDA 29 16:25:56.1, 38.87N:25.95E, h9km, ML3.3, THE 29 16:25:57.6, 38.91N:26.00E, h11km, ML2.4/5, Error ellipse: s-maj=0.9km s-min=0.5km az=64.0

ISC 29 16:25:56.6:0.9, 38.88N:0.02:25.98E:0.02, h14km, 8km, n47, c0f67/75, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUC1 Bucharest, TLB Topalu, SGRR Singureni, HUMR Humele, TCCR TCCR, CVDA Cernavoda, TIRR Tirgusor, IOR Ion Corvin, MILM Milestii Mici, MANR Mangalia, MDVR Moldovita, etc.

29d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GUMO Guam, SONMI Songoing Array, H1121 WAKE ISLAND Hy 28.59 126, etc.

ISCJB 29 18:12.42±0.4, 18.1S:0.1x178.63W:0.09, h579km, mb3.0/17, Error ellipse: s-maj=15.4km s-min=9.3km

ISC 29 18:12:46.7±2.1, 18.10S:178.62W, h621km, 24km, mb3.3/17, mb1 3.5/18, mb1mx3.3/5.1, mbtmp3.4/18, Error ellipse: s-maj=15.2km s-min=10.2km az=147.0

ISC 29 18:12:42.8±0.5, 18.0S:0.1x178.57W:0.10, h579km, n62, c=0.95/65, mb3.9/17, 1.C, Fiji Islands region

Main table of station data for 29d 19h, listing station names, coordinates, and operational status.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ABTA Abfalterbach, DAVA Damuels, FETA Feichten, etc.

ISC 29 18:52:03.5±2.7, 12.2S:128.88E, h0km, mb3.8/4, mb1 4.2/4, mb1mx3.6/52, mbtmp3.9/4, ML2.1/1, MS3.5/9, Ms1 3.5/9, ms1mx3.2/53, Error ellipse: s-maj=57.4km s-min=45.2km az=33.0

ISC 29 18:52:03.0±3.7, 12.02N:0.07E, h88.60W:0.04, h35km, mb4.0/11, MS3.3/8, Error ellipse: s-maj=10.3km s-min=3.9km az=24.6

CASC 29 18:52:05.3±1.3, 12.12N:118.88E, h22km, 20km, ML3.6, NEIC 29 18:52:10.2±1.3, 12.47N:88.33W, h41km, 12km, mb4.3/9, Error ellipse: s-maj=20.5km s-min=8.8km az=215.0

ISC 29 18:52:08.0±0.8, 12.23N:0.08E, h88.48W:0.06, h35km, n54, c=1.59/52, mb4.2/10, MS3.4/8, Off coast of central America

Main table of station data for 2012 AUG, listing station names, coordinates, and operational status.

1410

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like LMEL Cerro Calan, CLCH Peldehue, PEL Peldehue, etc.

NIED 29 19:05:00.38±40N.141.190E, h59km, Mw5.5 Best double couple: Mb1.76000x1017, N1=204.00000, S47.00000, 1.65.00000, NP2=59.00000, S49.00000, 1.14.00000

MOS 29 19:05:07.5±0.8, 38.40N:141.81E, h32km, mb3.1/5.5, MS5.0/35, Error ellipse: s-maj=5.5km s-min=3.2km az=95.0

BUJ 29 19:05:08.5, 38.43N:141.92E, h55km, mb5.4/73, MB5.4/40, Ms4.9/79, Ms7.4/877

NEIC 29 19:05:11.1±0.1, 38.43N:141.81E, mb5.8/19, MS5.1/9, MW5.5, Error ellipse: s-maj=2.3km s-min=1.7km az=147.0, Moment Tensor Solution: s46 Moment tensor: Scale 1077Nm; Mr:1.99; Mw:0.62; Ms:1.38; Mb:0.61; Mw:0.93; Mw:0.65; Best double couple: M2.20000x1017 NP1: 0.53.00000, S46.00000, 1.19.00000, NP2: 0.94.00000, S51.00000, 1.64.00000, Principal axes: T 2.3200, Plg69.0000, Azm211.0000, N -0.3100, Plg20.0000, Azm211.0000, P -0.2020, Plg3.0000, Azm303.0000

NEIC Felt [V] at Sendai, [IV] at Fukushima and Furukawa and [II] at Tokyo. Felt in part of north and east-central Honshu. Recorded [5U JMA] in Fukushima and Miyagi. Also recorded [1 JMA] in southwestern and eastern Hokkaido.

ISCJB 29 19:05:11.9±0.2, 38.43N:0.01x141.83E:0.01, h67km, 1km, mb5.4/188 Error ellipse: s-maj=2.5km s-min=1.7km az=154.8

JMA 29 19:05:12.2±0.1, 38.41N:141.91E, h60km, 1km, Ms5.6 Broadband fault plane solution: P waves: NP1: 0.61.00000, S70.00000, S98.00000, NP2: 218.00000, S21.00000, S68.00000, Principal axes: T Plg64.0000, Azm345.0000, N Plg8.0000, Azm239.0000, P Plg25.0000, Azm145.0000

GCMT 29 19:05:12.0±0.1, 38.45N:0.01x141.86E:0.01, h56km, M35.4/132, Moment Tensor Solution: s107.c202; s123.c280; Duration: 1s3 Moment tensor: Scale 1017 Nm; Mr:1.62z.03; Mw:0.67z.02; Ms:0.95z.02; Mw:0.56z.02; Ms:0.92z.01; Mr:0.41z.02; Best double couple: Mb1.81000x1017, N1=61.00000, S50.00000, 1.119.00000, NP2=201.00000, S48.00000, 1.61.00000, Principal axes: T 1.8920, Plg69.0000, Azm239.0000, P -1.7450, Plg1.0000, Azm131.0000; nsta1 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 29 19:05:13.2±1.1, 38.39N:141.84E, h68km, 9km, mb5.2/65, mb1 5.3/73, mb1mx5.2/82, mbtmp5.5/73, MS4.6/55, Ms1 4.6/55, ms1mx4.5/73 Error ellipse: s-maj=7.2km s-min=6.6km az=87.0

ISC 29 19:05:11.5±0.3, 38.45N:0.03x141.92E:0.03, h56km, 2km, N1=195.5, NP2=195.5, NP3=195.5, NP4=195.5, NP5=195.5, NP6=195.5, NP7=195.5, NP8=195.5, NP9=195.5, NP10=195.5, NP11=195.5, NP12=195.5, NP13=195.5, NP14=195.5, NP15=195.5, NP16=195.5, NP17=195.5, NP18=195.5, NP19=195.5, NP20=195.5, NP21=195.5, NP22=195.5, NP23=195.5, NP24=195.5, NP25=195.5, NP26=195.5, NP27=195.5, NP28=195.5, NP29=195.5, NP30=195.5, NP31=195.5, NP32=195.5, NP33=195.5, NP34=195.5, NP35=195.5, NP36=195.5, NP37=195.5, NP38=195.5, NP39=195.5, NP40=195.5, NP41=195.5, NP42=195.5, NP43=195.5, NP44=195.5, NP45=195.5, NP46=195.5, NP47=195.5, NP48=195.5, NP49=195.5, NP50=195.5, NP51=195.5, NP52=195.5, NP53=195.5, NP54=195.5, NP55=195.5, NP56=195.5, NP57=195.5, NP58=195.5, NP59=195.5, NP60=195.5, NP61=195.5, NP62=195.5, NP63=195.5, NP64=195.5, NP65=195.5, NP66=195.5, NP67=195.5, NP68=195.5, NP69=195.5, NP70=195.5, NP71=195.5, NP72=195.5, NP73=195.5, NP74=195.5, NP75=195.5, NP76=195.5, NP77=195.5, NP78=195.5, NP79=195.5, NP80=195.5, NP81=195.5, NP82=195.5, NP83=195.5, NP84=195.5, NP85=195.5, NP86=195.5, NP87=195.5, NP88=195.5, NP89=195.5, NP90=195.5, NP91=195.5, NP92=195.5, NP93=195.5, NP94=195.5, NP95=195.5, NP96=195.5, NP97=195.5, NP98=195.5, NP99=195.5, NP100=195.5

Main table of station data for 1410, listing station names, coordinates, and operational status.

BS03	Boso 3	3.81 198	P	Pn	19 06 07.1 -0.4
JOD2	Odawara 2	3.91 216	P	Pn	19 06 09.3 +0.3
JTHR	Tokachihiroo	3.98 15	P	Pn	19 06 10.2 +0.2
JHG	Hegura jima	3.98 263	P	Pn	19 06 11.3 +1.3
JYN	Shimob	4.00 224	P	Pn	19 06 11.9 +1.6
JTT	Tatey	4.08 245	P	Pn	19 06 14.3 +2.9
AJI	Ajiro2	4.09 215	P	Pn	19 06 11.5 0.0
JGN	Niukaw	4.29 240	P	Pn	19 06 17.1 +2.8
JCH	Churui	4.30 14	P	Pn	19 06 14.5 +0.1
JJZS	Izushimoda	4.46 214	P	Pn	19 06 16.5 0.0
JNY	Yasuok	4.48 228	P	Pn	19 06 19.0 +2.0
SHZ3	Shizukoka 3	4.50 222	P	Pn	19 06 18.5 +1.4
JGF	Kuroka	4.62 233	P	Pn	19 06 21.1 +2.2
JOB	Onbets	4.68 18	P	Pn	19 06 19.4 -0.2
JYZW	Yoshizawa	4.81 226	P	Pn	19 06 22.5 +1.1
JKG	Kaga	4.95 246	P	Pn	19 06 26.1 +2.8
INUJ	Inuyama	5.00 233	ePn	Pn	19 06 25.7 +1.7
JAR	Ashorobuto	5.04 16	P	Pn	19 06 23.3 -0.7
JNK	Nakush	5.55 22	P	Pn	19 06 30.0 -1.5
JHJ2	Mitsune	5.59 198	ePn	Pn	19 06 30.3 -1.8
JHJ	Hachijo jima 2	5.59 199	P	Pn	19 06 30.9 -1.3
JHU	comp=Z,141nm,0.3s,baz=335,slow=13,SNR=126		S	Sn	19 07 28.9 -6.3
ASAJ	Asahikawa	5.68 5	P	Pn	19 06 34.0 +0.6
ASAJ	comp=Z,538nm,0.3s,baz=54,slow=22,SNR=23		S	Sn	
ASAJ	Asahikawa	5.68 5	ePn	Pn	19 07 35.1 -2.1
ASAJ	comp=Z,114nm,0.3s,baz=82,slow=32,SNR=87.9		S	Sn	
ASAJ	Asahikawa	5.68 5	ePn	Pn	19 06 33.5 +0.2
ASAJ	comp=Z,114nm,0.3s,baz=82,slow=32,SNR=87.9		S	Sn	
JTKR	Abashiri-Toko	5.72 15	P	Pn	19 06 33.1 -2.1
GLVR	Goiomino	5.94 26	iP	Sn	19 06 36.2 -0.6
GLVR	comp=Z,11um,0.6s			pmax	pmax
GLVR	comp=N,219nm,0.5s			pmax	pmax
GLVR	comp=E,143nm,0.6s			smax	smax
GLVR	comp=N,8um,0.5s			smax	smax
GLVR	comp=E,13um,0.5s			smax	smax
JWT	Wachi	6.10 241	P	Pn	19 06 41.5 +2.4
JKY	Yasaka	6.13 245	P	Pn	19 06 42.3 +2.8
GRPR	Tuman	6.25 26	iP	Sn	19 06 39.9 -1.2
GRPR	comp=N,265nm,0.3s			pmax	pmax
GRPR	comp=E,245nm,0.3s			pmax	pmax
GRPR	comp=Z,910nm,0.3s			smax	smax
GRPR	comp=E,12um,0.4s			smax	smax
JHE	Heguri	6.29 235	P	Pn	19 06 42.7 +1.1
LAGR	Lagunnoye	6.31 26	iP	Sn	19 06 41.1 -0.8
LAGR	comp=E,1um,0.4s			pmax	pmax
LAGR	comp=Z,2um,0.4s			pmax	pmax
LAGR	comp=N,1um,0.5s			smax	smax
LAGR	comp=E,12um,0.9s			smax	smax
YUK	comp=N,20um,0.5s			smax	smax
YUK	Yuzh-Kuril'sk	6.32 27	iP	Pn	19 06 40.7 -1.3
YUK	comp=Z,1um,0.3s			pmax	pmax
YUK	comp=N,487nm,0.4s			pmax	pmax
YUK	comp=E,520nm,0.3s			pmax	pmax
YUK	comp=Z,2um,1.5s			smax	smax
YUK	comp=N,9um,0.5s			smax	smax
YUK	comp=E,7um,0.5s			MLR	MLR
YUK	comp=Z,4um,16.0s			MLR	MLR
YUK	comp=N,5um,13.0s			MLR	MLR
JKSM	Kasumi	6.47 246	P	Pn	19 06 46.7 +2.6
SHO	Shikotan	6.56 33	iP	Sn	19 06 44.2 -1.1
SHO	comp=E,113nm,0.3s			pmax	pmax
SHO	comp=Z,216nm,0.3s			pmax	pmax
SHO	comp=N,121nm,0.2s			smax	smax
SHO	comp=N,5um,0.3s			smax	smax
SHO	comp=E,734nm,0.2s			MLR	MLR
SHO	comp=Z,2um,10.0s			MLR	MLR
SHO	comp=E,2um,11.0s			MLR	MLR
SHO	comp=N,545nm,9.0s			MLR	MLR
JMKI	Miki	6.61 239	P	Pn	19 06 48.0 +2.0
JOI	OKI	7.23 255	P	Pn	19 06 56.8 +2.3
JJS	Sakaide	7.61 240	P	Pn	19 07 01.0 +1.2
TEY	Ternei	7.68 331	eP	Sn	19 07 02.7 +2.0
TEY	comp=E,1um,1.9s			pmax	pmax
TEY	comp=N,2um,1.8s			pmax	pmax
TEY	comp=Z,1um,1.9s			pmax	pmax
TEY	comp=N,370nm,1.4s			pmax	pmax
TEY	comp=Z,410nm,1.4s			MLR	MLR
JNM	Ikuma	7.70 250	P	Pn	19 07 04.0 +3.0
KUR	Kuril'sk	8.10 31	iP	Sn	19 07 05.5 -0.9
KUR	comp=Z,347nm,0.6s			pmax	pmax
KUR	comp=N,76nm,0.3s			pmax	pmax
KUR	comp=E,142nm,0.3s			smax	smax
KUR	comp=N,3um,2.0s			smax	smax
KUR	comp=E,3um,1.3s			MLR	MLR
KUR	comp=Z,2um,16.0s			MLR	MLR
JGT2	ShimaneMisato	8.27 249	P	Pn	19 07 11.2 +2.4
YSS	Yuzh-Sakhalins	8.52 4	ePn	Pn	19 07 12.2 +0.1
YSS	comp=Z,430nm,0.8s			pmax	pmax
YSS	comp=N,420nm,0.7s			pmax	pmax
YSS	comp=Z,500nm,2.6s			pmax	pmax
YSS	comp=N,500nm,2.5s			smax	smax
YSS	comp=N,720nm,1.2s			smax	smax
YSS	comp=E,680nm,1.2s			MLR	MLR
YSS	comp=E,1um,14.0s			MLR	MLR
MSHR	Mys Shulitsa	9.17 300	eP	Pn	19 07 21.8 +0.7
USA08	Ussuriysk Arra	9.42 311	ePn	Pn	19 07 26.3 +1.9
USRK	Ussuriysk Ar	9.42 311	P	Pn	19 07 26.3 +1.9
USRK	comp=Z,12nm,0.3s,baz=113,slow=15,SNR=134				

USRK	comp=Z,8um,19.9s,baz=94,slow=36		LR	LR	19 10 50.8
JNU	Nakatsue	10.42 243	P	Pn	19 07 39.4 +1.1
JNU	comp=Z,2.6nm,0.3s,baz=2.4,slow=1.8,SNR=51		LR	LR	19 11 55.3
JNU	Nakatsue	10.42 243	ePn	Pn	19 07 40.0 +1.7
UGL	Uglegorsk	10.62 1	eP	Sn	19 07 38.8 -2.1
UGL	comp=Z,149nm,1.0s			pmax	19 09 34.9 -3.3
UGL	comp=N,227nm,1.6s			smax	smax
UGL	comp=Z,2um,20.0s			MLR	MLR
UGL	comp=N,3um,13.0s			MLR	MLR
UGL	comp=E,3um,16.0s			MLR	MLR
KSRS	Korea Array	11.10 269	P	Pn	19 07 50.1 +2.7
KSRS	comp=E,17nm,0.3s,baz=82,slow=14,SNR=137		LR	LR	19 12 02.2
KSRS	comp=E,2um,19.4s,baz=74,slow=37				
MDJ	Mudanjiang	11.10 308	P	Pn	19 07 45.5 -1.9
MDJ	comp=E,0.4nm,0.3s,baz=90,slow=0.5,SNR=8.6				
MDJ	comp=E,500nm,1.8s			LR	LR
MDJ	comp=E,4um,11.6s			LR	LR
MDJ	comp=E,4um,14.7s			LR	LR
MDJ	comp=E,8um,18.7s			LR	LR
MDJ	Wudanjiang	11.10 308	ePn	Pn	19 07 49.2 +1.8
MDJ	comp=Z,1um,1.3s				
KS01	Wonju Array Si	11.12 269	ePn	Pn	19 07 49.4 +1.8
KS15	Wonju Array Si	11.13 269	ePn	Pn	19 07 50.8 +3.0
KSAR	Wonju Array Be	11.13 269	P	Pn	19 07 50.1 +2.3
KSAR	Wonju Array Be	11.13 269	P	Pn	19 13 41.2 +0.5
KSAR	Chichi jima	11.33 179	ePn	Pn	19 07 50.1 +2.3
CBJJ	Chichi jima	11.33 179	P	Sn	19 09 41.2 -1.4
CBJJ	Chichi jima	11.33 179	P	Sn	19 07 46.0 -4.6
JCJ	comp=E,62nm,0.3s,baz=346,slow=8.3,SNR=25		S	Sn	19 09 41.2 -1.4
TJN	Taejon	11.76 264	iP	Pn	19 07 58.1 +1.7
INCN	Inchon	12.10 270	ePn	Pn	19 08 04.7 +3.5
INCN	Inchon	12.10 270	eP	Pn	19 08 04.7 +3.5
TYV	Tymovskoe	12.42 2	eP	pmax	19 08 03.7 -1.7
TYV	comp=Z,103nm,1.1s			pmax	pmax
TYV	comp=Z,300nm,1.5s			MLR	MLR
TYV	comp=Z,3um,15.0s			MLR	MLR
GRNR	Gornyy	12.92 344	eP	Pn	19 08 12.0 -0.2
GRNR	comp=N,84nm,1.0s			pmax	pmax
GRNR	comp=E,50nm,1.0s			pmax	pmax
GRNR	comp=Z,78nm,1.0s			pmax	pmax
KLR	Kul'dur	13.02 329	P	Pn	19 08 13.7 +0.1
KLR	comp=Z,0.1nm,0.3s,baz=133,slow=12,SNR=39		LR	LR	19 13 19.7
KLR	comp=Z,583nm,19.2s,baz=140,slow=37				
KLR	comp=Z,0.0nm,0.3s,baz=50,slow=1.3,SNR=5.2				
KLR	Kul'dur	13.02 329	iP	Pn	19 08 13.0 -0.6
CN2	Changchun	13.51 299	iP	pmax	19 08 20.5 +0.2
CN2	comp=Z,20nm,1.0s			pmax	pmax
CN2	comp=Z,200nm,4.0s			LR	LR
CN2	comp=Z,3um,18.0s			LR	LR
CN2	comp=Z,3um,18.0s			LR	LR
CN2	comp=Z,4um,19.1s			LR	LR
CN2	comp=Z,6um,20.6s			LR	LR
CN2	comp=Z,8um,24.7s			LR	LR
KNL	Nikolayevsk	14.73 357	eP	Pn	19 08 34.0 -2.3
KNL	comp=N,500nm,2.0s			pmax	pmax
KNL	comp=Z,800nm,2.0s			pmax	pmax
KNL	comp=N,240nm,1.6s			pmax	pmax
KNL	comp=Z,620nm,1.6s			smax	smax
KNL	comp=N,550nm,4.0s			smax	smax
KNL	comp=E,1um,4.0s			MLR	MLR
KNL	comp=N,2um,14.0s			MLR	MLR
KNL	comp=Z,3um,14.0s			MLR	MLR
OKH	Okha	15.12 2	eP	pmax	19 08 41.5 +0.1
OKH	comp=Z,200nm,13.0s			MLR	MLR
OKH	comp=Z,2um,18.5s			MLR	MLR
SKR	Severo-Kuril's	15.84 35	eP	Pn	19 08 51.9 +1.2
SKR	comp=Z,2um,2.8s			pmax	pmax
SKR	comp=Z,2um,2.8s			pmax	pmax
SKR	comp=Z,600nm,3.1s			pmax	pmax
SKR	comp=Z,745nm,1.0s			MLR	MLR
SKR	comp=Z,1um,17.0s			MLR	MLR
DL2	Dalian	15.85 278	P	Pn	19 08 51.0 0.0
DL2	comp=Z,1.1nm,0.3s,baz=21,slow=11,SNR=3.8			pP	19 09 01.8 -4.2
DL2	comp=Z,1.1nm,0.3s,baz=21,slow=11,SNR=3.8			S	19 11 47.5 +1.9
DL2	comp=Z,1.1nm,0.3s,baz=21,slow=11,SNR=3.8			S	19 11 57.5 +0.2
DL2	comp=Z,1.1nm,0.3s,baz=21,slow=11,SNR=3.8			P	19 17 21.0 -1.1
DL2	comp=Z,380nm,0.8s			pmax	pmax
DL2	comp=Z,400nm,3.9s			LR	LR
DL2	comp=Z,2um,19.0s			LR	LR
DL2	comp=Z,1um,22.7s			LR	LR
JOW	Kunigami	16.29 229	P	Pn	19 08 57.0 +0.4
JOW	comp=Z,1.1nm,0.3s,baz=21,slow=11,SNR=3.8			P	19 08 59.3 +0.5
PEA0B	Petrovavlovsk	18.27 32	ePn	Pn	19 09 20.6 +0.2
PETK	Petrovavlovsk	18.27 32	P	Pn	19 09 21.7 +0.9
PETK	comp=Z,1.7nm,0.3s,baz=205,slow=8.1,SNR=60				19 16 39.5
PETK	comp=Z,1um,18.0s,baz=213,slow=37				
PETK	Petrovavlovsk	18.27 32	eP	Pn	19 09 18.6 -1.7
ZEA	Zeya	18.30 331	eP	Pn	19 09 18.5 -2.1
ZEA	comp=N,600nm,1.5s			pmax	pmax

ZEA	comp=E,200nm,1.5s			pmax	pmax
ZEA	comp=N,280nm,0.8s			pmax	pmax
ZEA	comp=Z,17um,0.0s			pmax	pmax
ZEA	comp=Z,470nm,0.8s			pmax	pmax
ZEA	comp=Z,5um,16.0s			MLR	MLR
ZEA	comp=E,2um,14.0s			MLR	MLR
ZEA	comp=N,3um,16.0s			MLR	MLR
PET	Petrovavlovsk	18.61 33	eP	Pn	19 09 24.5 -0.4
PET	Petrovavlovsk	18.61 33	eP	Pn	19 09 25.9 +1.0
PET	comp=Z,378nm,1.0s			pmax	pmax
HIA	Hailar	19.23 311	eP	P	19 09 28.9 -2.0
HIA	Hailar	19.23 311	eP	P	19 09 28.9 -2.0
HIA	comp=Z,60nm,0.8s			pmax	pmax
TIA	Tai'an	19.83 271	P	P	19 09 36.5 -1.1
TIA	comp=Z,84nm,1.2s			S	19 13 14.8 -3.0
TIA	comp=Z,84nm,1.2s			LR	LR
TIA	comp=Z,2um,11.7s			LR	LR
TIA	comp=Z,2um,20.4s			LR	LR
TIA	comp=Z,3um,22.6s			LR	LR
NJ2	Nanjing	19.86 258	eP	pmax	19 09 37.3 -0.6
NJ2	comp=Z,120nm,1.0s			pmax	pmax
NJ2	comp=Z,780nm,4.6s			LR	LR
NJ2	comp=Z,3um,17.1s			LR	LR
NJ2	comp=Z,3um,16.8s			LR	LR
NJ2</					

29d 19h

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like CRES Cresnevje, LADY Ladron, BLZ Banja Luka, etc.

2012 AUG

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like ULC Ulicinj, HCY Herceg Novi, HCY Herceg Novi, etc.

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Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes entries like MNXX Cornudas Mount, MNXX Cornudas Mount, MSTX Muleshoe, etc.

1417		2012 AUG										29d 19h											
L47A	Sherwood	89.18	33	P	P	19 18 01.4	+0.3	V42A	Cord	91.18	41	P	P	19 18 10.6	+0.1	Q52A	Bidwell	92.93	33	P	P	19 18 18.7	+0.2
Q42A	Golden Eagle	89.19	38	P	P	19 18 01.5	+0.4	R46A	Gibson Southern	91.19	37	P	P	19 18 10.8	+0.4	FFD	Franklin Falls	92.97	24	eP	P	19 18 20.1	+1.5
Q44A	Mansfield	89.20	36	P	P	19 18 01.5	+0.3	ERPA	Erie	91.20	30	eP	P	19 18 11.4	+0.9	TRY	Troy	92.97	25	eP	P	19 18 19.7	+1.1
T39A	Clever	89.23	41	P	P	19 18 01.3	-0.1	ERPA	Erie	91.20	30	eP	P	19 18 11.2	+0.7	T49A	Edmonton	93.01	36	eP	P	19 18 19.5	+0.5
S40A	Lebanon	89.23	40	P	P	19 18 01.3	-0.1	W41B	Gary Mavity, V	91.23	42	eP	P	19 18 11.0	+0.3	T49A	Edmonton	93.01	36	eP	P	19 18 19.2	+0.3
R41A	Rosebud	89.26	39	P	P	19 18 02.1	+0.6	W41B	Gary Mavity, V	91.23	42	eP	P	19 18 11.1	+0.3	U48A	Cassie Pea, Po	93.02	37	P	P	19 18 19.3	+0.3
HP1G	Monticello	89.33	56	eP	P	19 18 03.1	+0.9	U43A	Rector	91.25	40	P	P	19 18 11.2	+0.5	S50A	Richmond	93.06	35	P	P	19 18 19.5	+0.4
N46A	Monticello	89.39	35	P	P	19 18 02.4	+0.4	USIN	University of	91.32	37	P	P	19 18 12.2	+1.1	EMMW	East Machias	93.08	21	eP	P	19 18 20.1	+1.1
Q45A	Potomac	89.46	36	P	P	19 18 03.2	+0.8	O50A	Cable	91.37	33	P	P	19 18 11.9	+0.7	V47A	Nunnally	93.10	38	P	P	19 18 19.6	+0.3
HHAR	Hobbs	89.50	42	eP	P	19 18 02.8	+0.2	P49A	Miami Univ. Ec	91.39	34	P	P	19 18 11.7	+0.3	OXF	Oxford	93.20	40	eP	P	19 18 20.2	+0.4
CCM	Cathedral Cave	89.51	39	eP	P	19 18 03.7	+1.0	Q48A	North Vernon	91.44	35	P	P	19 18 12.1	+0.5	OXF	Oxford	93.20	40	eP	P	19 18 20.2	+0.4
CCM	Cathedral Cave	89.51	39	eP	P	19 18 03.6	+1.0	X40A	Basin Creek Fa	91.45	42	eP	P	19 18 12.5	+0.8	OXF	Oxford	93.20	40	eP	P	19 18 20.0	+0.2
L48A	N Adams	89.54	33	P	P	19 18 03.5	+0.8	X40A	Basin Creek Fa	91.45	42	eP	P	19 18 12.2	+0.5	HKT	Hockley	93.21	47	eP	P	19 18 21.2	+1.4
SLM	Saint Louis	89.55	38	eP	P	19 18 03.6	+0.8	MMNV	Morris Dam	91.47	28	eP	P	19 18 12.3	+0.6	HKT	Hockley	93.21	47	eP	P	19 18 21.2	+1.4
SLM	Saint Louis	89.55	38	eP	P	19 18 03.6	+0.8	UALR	University of	91.49	42	eP	P	19 18 12.5	+0.6	HKT	Hockley	93.21	47	eP	P	19 18 21.2	+1.4
R42A	Luebbering	89.56	39	P	P	19 18 03.4	+0.5	U44A	Portageville	91.50	39	P	P	19 18 12.4	+0.5	HKT	Hockley	93.21	47	eP	P	19 18 21.2	+1.4
AAM	Ann Arbor	89.57	32	eP	P	19 18 04.2	+1.4	S46A	Don Dixon Farm	91.52	37	P	P	19 18 12.2	+0.3	Y44A	Strider, Chari	93.23	41	P	P	19 18 20.6	+0.6
AAM	Ann Arbor	89.57	32	eP	P	19 18 04.2	+1.4	W42A	Bald Knob	91.53	41	P	P	19 18 12.4	+0.3	W46A	Michie	93.23	39	P	P	19 18 20.0	+0.1
AAM	Ann Arbor	89.57	32	eP	P	19 18 04.2	+1.4	ALLY	Alegheny Colle	91.54	30	eP	P	19 18 13.2	+1.1	KSPA	Keystone Colle	93.27	27	eP	P	19 18 20.9	+0.9
T40A	Mansfield	89.57	41	P	P	19 18 03.1	+0.2	ACSO	Alum Creek Sta	91.57	33	eP	P	19 18 12.8	+0.6	Z43A	Armstrong Fami	93.27	42	P	P	19 18 20.9	+0.8
Q43A	New Douglas	89.57	38	P	P	19 18 03.3	+0.4	ACSO	Alum Creek Sta	91.57	33	eP	P	19 18 12.8	+0.6	X45A	UM Field Stati	93.28	40	P	P	19 18 20.4	+0.2
TRQ	Mont Tremblant	89.58	24	eP	P	19 18 03.0	+0.1	ACSO	Alum Creek Sta	91.57	33	P	P	19 18 12.6	+0.4	SSPA	Standing Stone	93.28	29	eP	P	19 18 21.0	+0.9
S41A	Jillico Farms,	89.62	40	P	P	19 18 03.4	+0.2	Y40A	Okolona	91.57	43	P	P	19 18 12.8	+0.5	SSPA	Standing Stone	93.28	29	eP	P	19 18 20.5	+0.4
SFIN	Lafayette	89.64	35	eP	P	19 18 04.0	+0.7	435B	Jarrell	91.58	48	eP	P	19 18 13.5	+1.1	241A	Mo Tay, Goldon	93.29	44	P	P	19 18 21.0	+0.7
SFIN	Lafayette	89.64	35	eP	P	19 18 03.9	+0.7	435B	Jarrell	91.58	48	eP	P	19 18 12.5	+0.1	R52A	Catlettsburg	93.29	34	P	P	19 18 20.1	-0.1
U39A	Green Forest	89.66	42	P	P	19 18 03.5	+0.1	R47A	Wooly Knot Far	91.58	36	P	P	19 18 12.8	+0.5	O56A	Blue Knob Stat	93.34	30	eP	P	19 18 20.9	+0.5
P44A	Sand Creek, Wi	89.67	37	P	P	19 18 04.0	+0.6	T45A	Paducah	91.60	38	P	P	19 18 12.6	+0.2	O56A	Blue Knob Stat	93.34	30	eP	P	19 18 20.9	+0.5
L49A	Milan	89.68	32	P	P	19 18 04.2	+0.8	X41A	Kaden, Bauxite	91.61	42	P	P	19 18 13.0	+0.5	MCWV	Mont Chateau	93.35	31	eP	P	19 18 21.8	+1.4
PLVO	Plevna	89.77	26	eP	P	19 18 04.0	+0.3	V43A	Jonesboro	91.63	40	P	P	19 18 13.2	+0.6	MCWV	Mont Chateau	93.35	31	eP	P	19 18 21.2	+0.8
M48A	Edgerton	89.79	33	P	P	19 18 04.3	+0.4	NCB	Newcomb	91.68	25	eP	P	19 18 13.2	+0.5	U49A	Red Boiling Sp	93.38	37	P	P	19 18 21.0	+0.4
ATD	Arta Tunnel	89.90	285	P	P	19 18 06.1	+1.1	P50A	Jamestown	91.73	34	P	P	19 18 13.5	+0.6	T50A	Near	93.40	36	P	P	19 18 21.1	+0.4
ATD	Arta Tunnel	89.90	285	P	P	20 04 35.8		WCI	Wyandotte Cave	91.75	36	P	P	19 18 13.6	+0.5	S51A	Beattyville	93.45	35	eP	P	19 18 21.3	+0.3
ATD	Arta Tunnel	89.90	285	P	P	19 18 06.0	+1.1	Q49A	Aurora	91.75	35	P	P	19 18 13.6	+0.5	S51A	Beattyville	93.45	35	eP	P	19 18 21.1	+0.2
Q44A	Meyer Farm, Va	89.93	37	P	P	19 18 05.1	+0.5	HBAR	Harrisburg	91.75	40	eP	P	19 18 14.7	+1.6	PLAL	Parkwick Lake	93.50	39	eP	P	19 18 21.1	-0.1
S42A	Caledonia	89.96	39	P	P	19 18 05.3	+0.6	U44B	Burton Farm, H	91.79	39	P	P	19 18 14.0	+0.7	V48A	Smith Brothers	93.50	38	eP	P	19 18 21.6	+0.4
FVM	French Village	89.97	39	eP	P	19 18 06.2	+1.4	O51A	Taskaska	91.80	33	P	P	19 18 13.8	+0.5	V48A	Smith Brothers	93.50	38	eP	P	19 18 21.4	+0.1
FVM	French Village	89.97	39	eP	P	19 18 06.2	+1.4	R48A	Northridge Ran	91.80	36	P	P	19 18 13.9	+0.6	W47A	Westpoint	93.52	39	P	P	19 18 21.5	+0.1
R43A	Red Bud	89.98	38	P	P	19 18 05.3	+0.4	VT1	Waterbury	91.84	24	eP	P	19 18 14.3	+0.9	143A	Socs Landing,	93.58	43	P	P	19 18 22.2	+0.6
V39A	Pettigrew	89.99	42	P	P	19 18 05.1	0.0	M54A	Oil Creek Stat	91.85	30	eP	P	19 18 14.1	+0.6	X46A	Booneville	93.58	40	P	P	19 18 21.7	+0.1
U40A	Yellville	90.01	41	P	P	19 18 05.2	+0.2	M54A	Oil Creek Stat	91.85	30	eP	P	19 18 14.0	+0.5	Y45A	Yeager Farm, C	93.64	41	P	P	19 18 22.6	+0.7
P45A	Graceland, Par	90.03	36	eP	P	19 18 05.7	+0.7	GLAT	Glasgow	91.88	39	eP	P	19 18 15.5	+1.8	Z44A	Pea Ridge, Bel	93.65	42	P	P	19 18 22.6	+0.7
P45A	Graceland, Par	90.03	36	eP	P	19 18 05.5	+0.5	V44A	Blytheville	91.92	40	P	P	19 18 14.6	+0.7	S52A	Salversville	93.65	34	P	P	19 18 22.1	+0.3
T41A	Mountain View	90.04	40	P	P	19 18 05.2	+0.1	T46A	Princeton	91.95	38	P	P	19 18 14.9	+0.9	242A	Grayson	93.67	44	P	P	19 18 22.4	+0.3
M49A	Liberty Center	90.12	33	P	P	19 18 06.2	+0.8	S47A	Hartford	91.99	37	P	P	19 18 14.5	+0.3	341A	Kurthwood	93.68	45	P	P	19 18 22.6	+0.6
O47A	Sheridan	90.17	35	P	P	19 18 05.9	+0.2	UTMT	University of	92.03	39	eP	P	19 18 16.1	+1.8	N59A	State Game Lan	93.83	28	eP	P	19 18 23.6	+1.0
V46A	Rosedale	90.21	36	P	P	19 18 06.6	+0.7	Y41A	Egglett Beard	92.03	43	P	P	19 18 15.0	+0.6	N59A	State Game Lan	93.83	28	eP	P	19 18 23.3	+0.6
P4E	Valguarnera	90.29	321	P	P	19 18 07.9	+1.5	X42A	Stuttgart	92.03	42	P	P	19 18 14.8	+0.4	T51A	Kesra	93.85	35	P	P	19 18 23.1	+0.3
VAE	Arta Tunnel	89.90	285	P	P	20 04 01.1		PKME	Peaks-Kenny Pk	92.05	21	eP	P	19 18 15.3	+1.0	HRV	Adam Dziewonsk	93.86	24	eP	P	19 18 24.0	+1.3
Q45A	Warner Harvey,	90.34	37	P	P	19 18 07.3	+0.7	PKME	Peaks-Kenny Pk	92.05	21	eP	P	19 18 15.0	+0.7	HRV	Adam Dziewonsk	93.86	24	eP	P	19 18 24.0	+1.3
T42A	Van Buren	90.39	40	eP	P	19 18 07.1	+0.4	U45A	Rockin P Farm,	92.08	39	P	P	19 18 15.1	+0.5	U50A	Jamestown	93.89	36	P	P	19 18 22.9	-0.1
T42A	Van Buren	90.39	40	eP	P	19 18 07.2	+0.4	Z40A	Long Farm, Mag	92.08	44	P	P	19 18 15.7	+1.0	V49A	McMinnville	93.92	37	P	P	19 18 23.1	-0.1
W39A	Magazine	90.40	43	eP	P	19 18 07.2	+0.4	W43A	Forest City	92.09	41	P	P	19 18 14.7	+0.1	W48A	Pulaski	93.94	38	P	P	19 18 23.5	+0.3
W39A	Magazine	90.40	43	eP	P	19 18 07.2	+0.4	O52A	Adamsville	92.15	32	P	P	19 18 15.3	+0.4	Z45A	Winona	93.96	41	P	P	19 18 23.9	+0.6
R44A	Waltonville	90.42	38	P	P	19 18 07.4	+0.5	P51A	Williamsport	92.16	33	P	P	19 18 15.0	0.0								

29d 19h

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Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like X50B Fort Payne, PBRC Braganca, BLA Blacksburg, etc.

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like 455A Stateville, PVAQ Vaqueros, 554A Perry, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes sections for GUC 29-19:08:16.9, ROM 29-19:14:50.7, and JMA 29-19:17:15.8.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JRY, JKT, KATASHINA, etc.

BUI 29:19:20.54,4,40.05N:103.30E,h6km,ML3.5/8,Western Nei Mongol

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GTA, GAT, LZH, etc.

ICC 29:19:26:57.0,0.8,12.78N:88.33W,h0km,mb3.9/9, mb1.4/2.11,mb1mx3.9/56,mb1mp4.0/11,ML3.3/3,Error ellipse: s-maj=36.1km s-min=12.1km az=50.0

CASC 29:19:26:57.2,8,12.17N:88.97W,h36km,99gkm,ML3.9, mb4.4(NEIC)

NEIC 29:19:27:02.1,1.0,12.73N:88.43W,h35km,10km,mb4.4/4, Error ellipse: s-maj=24.2km s-min=7.6km az=22.0

ISC 29:19:27:01.7,0.7,12.66N:87.70W,0.05,h35km,n40, s=192438,mb4.1/3,Off coast of central America

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCY, VSM, SNVI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SBLS, SNE, RTR, etc.

ISC/BZ 29:19:35:50.3,0.8,19.55N:0.01:64.40W:0.02,h4km,5km, mb4.8/219,MS4.3/30,Error ellipse: s-maj=3.0km s-min=2.3km az=154.2

ICD 29:19:35:51.0,0.3,19.43N:64.38W,h0km,mb4.5/40, mb1.4/0.43,mb1mx4.6/5,mb1mp4.5/43,ML1/13,MS4.3/33, Ms1.4/3.33,ms1mx4.2/5.8,Error ellipse: s-maj=10.0km s-min=9.0km az=116.0

NEIC 29:19:35:54.2,0.0,19.65N:64.32W,h31km,mb5.0/194, MD4.7(RSPR),After RSPR

RSPR 29:19:35:54.2,19.65N:64.32W,h31km,22km,MD4.7/15

GMCT 29:19:35:56.2,0.2,19.63N:0.01:64.43W:0.01,h12km, MV5.0/106,Moment Tensor Solution. s42,c55; s106,c166; Duration: 0 Moment tensor: Scia 10^16Nm; Mn1.72e-11; Mnp1.72e-11; Mns2.08e-12; Mo-1.17e-31; Mw3.72e-09; Mw0.17e-31; Best double couple: Mw4.47800e+1016 Np1.3e+2000000; s99.000000; 1.14400000; NP2:3.1690000; 300.00000; 79.000000; Principal axes: T: 3.5630, P: 1.0000, Azim:115.0000; N: 1.8410, P: 0.2200, Azim:254.0000; P: -5.3940, Plg9.0000, Azim:23.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s.

ISC 29:19:35:53.9,0.7,19.46N:0.03:64.39W:0.03,h17km,4km, n869, s1958/871,mb4.9/219,MS4.4/30,44C-17D,Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABV, ANE, AVB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LSP, LSV, LVB, etc.

29d 19h

MARP	Paez Belalcaza	20.01 216	eP	Pn	19 40 27.8	-0.2
256A	Glennville	20.07 312	P	P	19 40 24.0	-2.4
156A	Sylvania	20.19 314	P	P	19 40 25.2	-2.4
455A	Stateville	20.25 307	P	P	19 40 29.1	+0.8
355A	Pearson	20.42 309	P	P	19 40 30.4	+0.2
554A	Perry	20.44 305	P	P	19 40 30.4	-0.1
255A	Hazlehurst	20.46 311	P	Pn	19 40 32.0	-0.8
PTGA	Pitinga	20.53 167	P	P	19 40 29.7	-1.7
PTGA	Pitinga	20.53 167	eP	LR	19 48 44.6	
454A	Quitman	20.69 307	P	P	19 40 33.6	+0.5
155A	Kite	20.84 313	P	P	19 40 34.6	-0.1
Z55A	Blythe	20.96 314	P	P	19 40 33.8	-2.2
SOTA	Riolancho	20.96 216	eP	P	19 40 38.0	+1.2
TIGA	Tifton	21.01 308	eP	P	19 40 42.5	+5.9
TIGA	Tifton	21.01 308	P	P	19 40 37.7	+1.1
JSC	Jenkinsville	21.04 318	eP	P	19 40 37.8	+0.9
254A	Abbeville	21.05 310	P	P	19 40 36.9	-0.1
GRGC	Isa de Gorgon	21.19 221	eP	P	19 40 36.6	-2.0
154A	Montrose	21.28 312	P	P	19 40 39.4	-0.1
453A	Whigham	21.28 306	P	P	19 40 40.6	+1.1
353A	Camilla	21.43 307	P	P	19 40 41.7	+0.5
Z54A	Sparta	21.44 313	P	P	19 40 41.2	-0.1
CRUC	La Cruz	21.62 216	eP	P	19 40 43.7	0.0
KMSC	Kings Mountain	21.65 320	eP	P	19 40 44.2	+0.7
KMSC	Kings Mountain	21.65 320	P	P	19 40 42.8	-0.7
Y54A	Tignall	21.71 315	P	P	19 40 43.1	-1.0
253A	Americus	21.72 309	eP	P	19 40 45.3	+1.1
253A	Americus	21.72 309	P	P	19 40 42.7	-1.6
PAULI	Pauline	21.74 318	eP	P	19 40 55.6	+1.1
153A	Fort Valley	21.81 311	P	P	19 40 45.2	0.0
CBN	Corbin Frederi	21.83 332	P	P	19 40 44.1	-1.2
JTS	JuntasAbangare	21.85 248	P	P	19 40 46.1	+0.4
R58B	Mineral	21.86 330	P	P	19 40 45.1	-0.6
CVRD	Centerville Ro	21.92 331	eP	P	19 40 48.0	+1.7
Z53A	Monticello	21.97 313	P	P	19 40 47.1	+0.2
GOGA	Godfrey	21.97 313	eP	P	19 40 47.3	+0.4
GOGA	Godfrey	21.97 313	P	P	19 40 45.4	-1.6
252A	Lumpkin	22.14 308	P	P	19 40 48.6	-0.1
451A	Vernon	22.28 304	P	P	19 40 49.2	-1.0
Y53A	Monroe	22.31 314	P	P	19 40 50.1	-0.4
351A	Pinckard	22.45 306	P	P	19 40 53.0	-0.1
152A	Waverly Hall	22.46 310	eP	P	19 40 52.8	+1.6
152A	Waverly Hall	22.46 310	P	eS	19 45 00.1	+2.0
TEIG	Tepech	22.48 276	eP	P	19 40 51.4	-0.7
X53A	Estanollee	22.50 316	P	P	19 40 54.6	+2.1
PSUB	Penn St - Bra	22.52 337	eP	P	19 40 51.8	-0.7
Z52A	Williamson	22.52 311	P	P	19 40 55.4	+2.7
BG3	Lake Jocassee	22.56 317	eP	P	19 40 50.3	-2.5
BLA	Blacksburg	22.57 325	eP	P	19 40 54.4	+1.2
BLA	Blacksburg	22.57 325	P	P	19 40 54.0	+0.6
SDMD	Soldier's Dell	22.61 334	eP	P	19 40 52.9	-0.5
CMBC	Cumbal	22.63 217	eP	P	19 40 56.4	+2.7
Y52A	Liburn	22.64 313	eP	P	19 40 54.3	-0.2
251A	Midway	22.68 308	P	P	19 40 55.5	+1.4
W53A	Cullowhee	22.81 317	P	P	19 40 51.8	-2.8
151A	Opelika	22.83 309	P	P	19 40 56.1	0.0
BRNJ	Basking Ridge	22.88 340	eP	P	19 40 55.1	-1.0
V53A	Saluda	22.91 319	eP	P	19 40 59.9	+3.4
V53A	Saluda	22.91 319	P	P	19 40 58.4	+1.4
MVLA	Millersville	22.91 336	eP	P	19 40 56.5	-0.5
X52A	Dahlonega	22.95 315	P	P	19 40 59.1	+2.2
PAL	Palisades	22.97 341	eP	P	19 40 56.0	-0.7
PAL	Palisades	22.97 341	P	P	19 41 00.2	+2.8
350A	Dozier	23.08 305	P	P	19 41 00.2	+2.8
251A	Franklin	23.12 311	P	P	19 40 55.7	-1.8
CSGN	Cosquima Volc	23.15 257	eP	P	19 40 55.4	-3.3
U53A	Fall Branch	23.22 320	P	P	19 40 55.8	-3.3
PAGS	Pennsylvania G	23.26 336	eP	P	19 41 02.7	+3.0
PAGES	Odensburg	23.26 340	eP	P	19 41 00.3	+0.2
552A	Murphy	23.26 316	P	P	19 41 04.0	+3.6
W50A	Grady	23.27 307	P	P	19 45 13.3	+1.4
Y51A	Rockmart	23.35 312	P	P	19 41 03.2	+2.8
150A	Eclectic	23.38 308	P	P	19 41 00.2	-0.3
449A	Pace	23.49 303	P	P	19 41 58.9	-1.8
N59A	State Game Lan	23.50 338	P	P	19 41 00.2	-0.3
TKL	Tuckaleechee C	23.51 317	P	P	19 41 00.6	-0.9
TKL	Tuckaleechee C	23.51 317	P	S	19 41 00.6	-0.9
TKL	Tuckaleechee C	23.51 317	eP	LR	19 41 02.3	-0.7
TKL	Tuckaleechee C	23.51 317	eP	LR	19 45 18.7	+2.6
TKL	Tuckaleechee C	23.51 317	eP	LR	19 50 29.6	
TKL	Tuckaleechee C	23.51 317	eP	S	19 41 05.2	+2.2
Y52A	Sevierville	23.51 318	eP	P	19 41 05.2	+2.2
Y52A	Sevierville	23.51 318	P	S	19 45 18.7	+2.6
BRAL	Brewton	23.52 304	P	P	19 41 05.6	+2.6
OTAV	Otavallo	23.56 217	eP	P	19 41 02.2	-0.8
OTAV	Otavallo	23.56 217	eP	P	19 41 01.0	-2.2
OTAV	Otavallo	23.56 217	eP	P	19 41 04.5	+0.4

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X51A	Calhoun	23.58 314	P	P	19 41 03.8	+0.2
Z50A	Ashland	23.63 310	eP	P	19 41 05.8	+1.6
Z50A	Ashland	23.63 310	P	P	19 41 03.6	-0.6
349A	Repton	23.71 304	P	P	19 41 04.2	-0.8
US2A	Thorn Hill	23.72 319	P	P	19 41 03.3	-1.7
HRV	Adam Dzewonski	23.77 347	P	P	19 41 02.6	-2.7
Y50A	Piedmont	23.82 311	P	P	19 41 05.7	-0.3
W51A	Cleveland	23.85 315	P	P	19 41 06.6	+0.3
CPCT	Cooper Cave	23.87 316	eP	P	19 41 07.8	+1.4
Z49A	Candle	23.92 306	P	P	19 41 05.8	-1.2
TZTN	Tazewell	23.93 319	eP	P	19 41 11.0	+4.0
TZTN	Tazewell	23.93 319	P	P	19 41 07.9	+0.9
149A	Jones	23.95 308	P	P	19 41 04.9	-2.3
V51A	Loudon	23.97 317	P	P	19 41 08.3	+1.0
V51A	Loudon	23.97 317	P	P	19 41 05.3	-2.1
Z49A	Columbiana	24.04 309	P	P	19 41 07.8	-0.3
O56A	Blue Knob Stat	24.05 333	eP	P	19 41 12.2	+4.1
O56A	Blue Knob Stat	24.05 333	P	P	19 41 08.5	+0.3
X50B	Fort Payne	24.07 313	P	P	19 41 06.8	-1.5
448A	Bay Minette	24.07 303	P	P	19 41 07.7	-0.6
SSPA	Standing Stone	24.07 334	eP	P	19 41 09.6	+1.3
SSPA	Standing Stone	24.07 334	P	P	19 41 08.9	+0.6
U51A	La Follette	24.11 318	P	P	19 41 06.0	-2.7
MCWV	Mont Chateau	24.14 330	P	P	19 41 09.6	+0.6
W50A	Signal Mountai	24.25 315	eP	P	19 41 11.7	+1.6
W50A	Signal Mountai	24.25 315	P	P	19 41 09.3	-0.7
Y49A	Blount Mountai	24.29 311	P	P	19 41 07.1	-3.3
LRAL	Lakeview Retre	24.31 308	eP	P	19 41 12.8	+2.3
LRAL	Lakeview Retre	24.31 308	P	P	19 41 11.2	+0.6
V50A	Pikeville	24.38 316	P	P	19 41 12.1	+0.9
S52A	Salsyville	24.40 322	P	P	19 41 11.9	+0.5
T51A	Gray	24.44 320	P	P	19 41 12.0	+0.2
148A	Greensboro	24.56 307	P	P	19 41 11.0	-1.8
X49A	Woodville	24.56 312	P	P	19 41 12.3	-0.6
R52A	Catlettsburg	24.60 324	P	P	19 41 12.9	-0.3
447A	Lucedale	24.65 302	P	P	19 41 13.3	-0.3
U50A	Jamestown	24.66 317	P	P	19 41 14.0	+0.2
S51A	Beattyville	24.67 321	P	P	19 41 14.1	+0.3
BINY	Bingantown	24.71 339	P	P	19 41 13.9	-0.3
P53A	Whipple	24.77 327	P	P	19 41 14.4	-0.3
Q52A	Bidwell	24.84 325	P	P	19 41 15.4	0.0
W49A	Belvidere	24.85 313	P	P	19 41 14.5	-0.9
Y48A	Jasper	24.86 310	P	P	19 41 14.3	-1.2
Z48A	Northport	24.88 309	P	P	19 41 15.1	-0.6
V49A	McMinnville	24.96 315	P	P	19 41 15.9	-0.6
T50A	Nancy	25.03 319	P	P	19 41 17.0	0.0
X48A	Hartselle	25.04 311	eP	P	19 41 19.7	+2.5
X48A	Hartselle	25.04 311	P	P	19 41 16.9	-0.2
147A	Livingston	25.10 306	P	P	19 41 16.3	-1.5
247A	Quitman	25.10 305	P	P	19 41 15.7	-2.1
R51A	Hillsboro	25.11 322	P	P	19 41 16.0	-1.7
S50A	Richmond	25.18 320	P	P	19 41 16.9	-1.5
N54A	Moraine State	25.25 331	eP	P	19 41 21.1	+2.1
N54A	Moraine State	25.25 331	P	P	19 41 15.8	-3.2
P52A	Corning	25.28 327	P	P	19 41 15.1	-4.1
APG	El Apazote	25.29 264	P	P	19 41 21.3	+1.4
546A	Silet	25.31 300	P	P	19 41 15.6	-4.1
U49A	Red Boiling Sp	25.32 317	P	P	19 41 18.2	-1.5
W48A	Pulaski	25.32 313	P	P	19 41 15.0	-4.7
O52A	Adamsville	25.47 328	P	P	19 41 21.1	+0.1
Q51A	Peebles	25.48 324	P	P	19 41 22.0	+0.9
246A	Jackson Lee, B	25.49 304	P	P	19 41 17.7	-3.5
346A	Big Creek Wild	25.51 303	P	P	19 41 18.5	-2.9
T49A	Edmonton	25.52 318	eP	P	19 41 24.3	+2.8
T49A	Edmonton	25.52 318	P	P	19 41 21.8	+0.3
R50A	Paris	25.53 321	P	P	19 41 21.3	-0.3
M54A	Oil Creek Stat	25.54 333	eP	P	19 41 23.5	+1.8
M54A	Oil Creek Stat	25.54 333	P	P	19 41 21.7	+0.1
V48A	Smith Brothers	25.57 314	eP	P	19 41 25.4	+3.4
V48A	Smith Brothers	25.57 314	P	P	19 41 20.2	-1.8
P51A	Williamsport	25.64 325	P	P	19 41 22.1	-0.5
X47A	Russellville	25.65 311	P	P	19 41 20.4	-2.4
146A	Union	25.68 306	P	P	19 41 23.3	+0.3
Q50A	Georgetown	25.71 323	P	P	19 41 24.7	+1.5
S49A	Sprinfied	25.79 319	P	P	19 41 23.3	-0.6
645A	Chauvin	25.80 298	P	P	19 41 25.6	+1.5
U48A	Castle Pea, Po	25.81 316	P	P	19 41 23.6	-0.6
Z46A	Louisville	25.83 307	P	P	19 41 22.9	-1.5
W47A	Westpoint	25.84 312	P	P	19 41 24.4	0.0
MMNY	Mt. Morris Dam	25.86 337	eP	P	19 41 28.2	+3.7
ALLY	Allegany Colle	25.87 332	eP	P	19 41 25.9	+1.3
O51A	Patskalaka	25.89 327	P	P	19 41 24.9	+0.1
445A	Amite	25.98 301	P	P	19 41 25.7	0.0
PLAL	Pickwick Lake	26.04 311	eP	P	19 41 27.6	+1.3

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R49A	Shelbyville	26.04 320	P	P	19 41 25.0	-1.2
T48A	Bowling Green	26.07 317	P	P	19 41 26.6	+0.1
Y46A	Houston	26.08 308	P	P	19 41 26.3	-0.3
Z45A	Little AP, Sta	26.09 304	P	P	19 41 26.4	-0.3
P50A	Jamestown	26.14 324	P	P	19 41 26.5	-0.6
ACSO	Alum Creek Sta	26.14 326	eP	P	19 41 28.8	+1.6
ACSO	Alum Creek Sta	26.14 326	P	P	19 41 28.2	+1.1
ERPA	Erie	26.18 333	P	P	19 41	

W40A	Ferguson Farm, baz=130	29.78 308	P	P	19 42 00.1 +0.4	G42A	Mountain	32.53 328	eP	P	19 42 24.2 +0.4	MSTX	Muleshoe	36.98 301	eP	P	19 43 02.9 +0.2
Q22A	Golden Eagle, baz=114	29.78 316	P	P	19 41 57.6 -2.1	G42A	Mountain	32.53 328	P	P	19 42 22.6 -1.2	MSTX	Muleshoe	36.98 301	P	P	19 43 01.1 -1.5
CCM	Cathedral Cave, baz=123	29.80 314	eP	P	19 42 01.0 +1.1	J40A	Soldiers Grove	32.54 323	P	P	19 42 23.6 -0.4	BDFB	Brasilia	38.42 154	P	P	19 43 15.3 +0.5
CCM	Cathedral Cave, baz=121	29.80 314	P	P	19 42 00.2 +0.3	N38A	Joos South For	32.54 317	P	P	19 42 21.3 -2.7	BDFB	comp=Z,1um,19.7s,baz=324,slow=38		LR		19 59 57.6
ATAH	Atahualpa, baz=121	29.81 209	P	P	19 42 07.8 +7.3	E43A	Lone Tree Farm	32.65 330	eP	P	19 42 25.9 +1.1	BDFB	Brasilia	38.42 154	eP	P	19 43 15.2 +0.5
ATAH	comp=Z,652nm,19.3s,baz=24,slow=41		LR	LR	19 56 04.1	E43A	Lone Tree Farm	32.65 330	P	P	19 42 24.3 -0.6	A33A	Warroad	38.53 327	P	P	19 43 14.3 -1.0
NATX	Nacogdoches, baz=107	29.82 300	P	P	19 41 59.4 -0.7	P37A	Lathrop	32.66 314	P	P	19 42 23.5 -1.6	HPIG	16nm,1.0s	38.53 289	eP	P	19 43 17.0 +1.1
V40A	Witts Springs, baz=119	29.85 309	eP	P	19 42 03.1 +2.7	H41A	Junction City	32.73 326	eP	P	19 42 26.0 +0.4	MMNC	Minye Minye	38.69 188	eP	P	19 43 14.1 -3.1
V40A	Witts Springs, baz=119	29.85 309	P	P	19 42 00.2 -0.2	H41A	Junction City	32.73 326	P	P	19 42 25.9 +0.2	MNTX	Cornudas Mount	38.72 297	eP	P	19 43 17.7 +0.5
S41A	Jillico Farms, baz=120	29.91 313	P	P	19 42 00.3 -0.5	F42A	Maple Grove Fa	32.74 329	P	P	19 42 25.1 -3.2	MNTX	Cornudas Mount	38.72 297	P	P	19 43 17.2 0.0
HDIL	Hopedale, baz=121	29.94 320	P	P	19 42 00.5 -0.6	I40A	Norwalk	32.79 324	P	P	19 42 26.1 0.0	T25A	Trinidad	39.06 305	eP	P	19 43 21.0 +0.8
R41A	Rosebud, baz=121	30.01 314	P	P	19 42 00.5 -1.2	K39A	Oldwein	32.79 321	P	P	19 42 25.6 -0.6	T25A	11nm,0.9s	39.06 305	P	P	19 43 19.6 -0.7
P42A	Winchester, baz=124	30.03 317	eP	P	19 42 02.8 +0.9	LNIG	Linares	32.87 286	eP	P	19 42 27.0 -0.1	PB11	IPOC Station P	39.32 188	eP	P	19 43 19.4 -2.9
P42A	Winchester, baz=124	30.03 317	P	P	19 42 00.7 -1.2	J39A	Decoran	33.06 322	P	P	19 42 26.7 -1.8	ULM	Lac du Bonnet	39.61 328	P	P	19 43 23.8 -0.5
N43A	Stutzman Famil, baz=128	30.11 321	P	P	19 42 01.0 -1.5	833A	Chaparral WMA, baz=98	33.11 292	P	P	19 42 27.5 -1.6	ULM	Lac du Bonnet	39.61 328	P	P	19 43 23.4 -1.0
U40A	Yellville, baz=116	30.11 310	P	P	19 42 02.9 +0.2	E42A	Champion	33.12 330	P	P	19 42 28.1 -0.9	SDCO	Great Sand Dun	40.06 306	eP	P	19 43 29.2 +0.6
LVIG	Laguna Verde, baz=116	30.16 276	eP	P	19 42 04.1 +0.9	H40A	Chili	33.13 325	P	P	19 42 29.0 -0.1	SDCO	Great Sand Dun	40.06 306	P	P	19 43 28.6 -0.1
L44A	Lake County Fo, baz=132	30.17 324	P	P	19 42 01.3 -1.7	N37A	Lee Faris, Mou	33.16 316	P	P	19 42 27.8 -1.6	BNM	Barren Site	40.15 300	eP	P	19 43 30.7 +1.3
O42A	Bath, baz=126	30.21 319	P	P	19 42 01.7 -1.8	F41A	Three Lakes	33.21 328	eP	P	19 42 29.8 -0.1	TASL	Snake Pit, Alb	40.16 301	P	P	19 43 26.5 -2.9
T40A	Manfield, baz=118	30.24 312	P	P	19 42 03.1 -0.7	F41A	Three Lakes	33.21 328	P	P	19 42 29.9 0.0	ANMO	Albuquerque	40.16 301	P	P	19 43 29.9 +0.5
Q41A	Truxton, baz=122	30.26 316	P	P	19 42 03.9 0.0	I39A	Hotspur	33.27 323	eP	P	19 42 30.6 +0.2	ANMO	comp=Z,476nm,18.1s,baz=107,slow=42	LR	LR	20 03 53.8	
M43A	Waltham Townsh, baz=129	30.29 322	P	P	19 42 03.5 -0.6	K38A	Parkersburg	33.28 320	eP	P	19 42 31.3 +0.8	ANMO	Albuquerque	40.16 301	eP	P	19 43 30.5 +1.1
W39A	Magazine, baz=118	30.31 307	eP	P	19 42 06.0 +1.6	K38A	Parkersburg	33.28 320	eS	S	19 47 52.3 +2.3	ANMO	Albuquerque	40.16 301	P	P	19 43 27.1 -2.3
W39A	Magazine, baz=118	30.31 307	P	P	19 42 03.5 -0.9	K38A	Parkersburg	33.28 320	P	P	19 42 29.2 -1.3	TASM	Al Rad, Albuq	40.17 301	P	P	19 43 26.8 -2.6
GLMI	Grayling, baz=140	30.38 331	P	P	19 42 04.1 -0.8	G40A	Rib Lake	33.46 326	eP	P	19 42 32.4 +0.4	MDND	Maddock	41.8 323	P	P	19 43 29.0 -0.2
S40A	Lebanon, baz=119	30.44 312	P	P	19 42 05.4 -0.1	C40A	Los Rinos Moun	33.46 326	P	P	19 42 30.2 -1.8	LPM	Los Rinos Moun	40.19 300	eP	P	19 43 29.9 +1.3
V39A	Pettigrew, baz=115	30.47 308	P	P	19 42 05.8 -0.2	GOWI	Conover	33.48 328	eP	P	19 42 32.9 +0.7	Y22D	IRIS PASSCAL I	40.38 300	P	P	19 43 29.5 -1.7
P41A	Barry, Barry, baz=124	30.54 317	P	P	19 42 06.1 -0.3	J38A	Wedel Dairy, R	33.50 321	P	P	19 42 30.2 -2.1	LENM	Lemitar	40.44 300	eP	P	19 43 32.8 +1.1
N42A	Yates City, baz=127	30.56 320	P	P	19 42 05.3 -1.2	NNA	Nana	33.57 202	P	P	19 42 31.0 -2.3	PB01	IPOC Station P	40.56 187	eP	P	19 43 30.0 -2.6
U39A	Green Forest, baz=116	30.58 310	P	P	19 42 05.2 -1.6	NNA	comp=Z,506nm,18.6s,baz=356,slow=40	LR	LR	19 58 00.9	LAZ	Ladron	40.61 300	eP	P	19 43 34.4 +1.2	
R40A	Maddies Statio, baz=123	30.61 314	P	P	19 42 05.2 -1.8	E41A	Kenton	33.65 329	P	P	19 42 31.8 -1.8	ISCO	Idaho Springs	40.73 309	P	P	19 43 35.2 +1.1
L43A	Garden Prairie, baz=130	30.64 323	P	P	19 42 05.7 -1.5	H39A	Augusta	33.66 324	P	P	19 42 30.4 -3.3	ISCO	Idaho Springs	40.73 309	P	P	19 43 34.4 +0.2
O41A	Passleys Farm, baz=124	30.67 318	P	P	19 42 02.5 -5.0	N36A	Muff Farm, Cla	33.68 316	P	P	19 42 31.4 -2.5	121A	Cookes Peak, D	40.86 297	P	P	19 43 35.6 +0.4
T39A	Clever, baz=117	30.79 311	P	P	19 42 05.0 -3.6	JCT	Junction City	33.80 296	eP	P	19 42 36.1 +0.9	S22A	4UR Ranch, Cre	41.08 305	eP	P	19 43 38.1 +1.1
Q40A	Laux Farm, Aux, baz=121	30.84 315	P	P	19 42 08.7 -0.3	JCT	Junction City	33.80 296	P	P	19 42 34.7 -0.5	S22A	4UR Ranch, Cre	41.08 305	P	P	19 43 37.0 -0.1
HHAR	Hobbs, baz=121	30.87 309	eP	P	19 42 11.2 +1.9	I38A	Scanlan Farm, baz=128	33.85 323	P	P	19 42 34.7 -0.7	PHWY	Pilot Hill	41.09 311	eP	P	19 43 38.3 +1.1
N41A	Harden Midland, baz=125	30.99 319	eP	P	19 42 10.8 +0.4	F40A	Park Falls	33.86 327	P	P	19 42 34.8 -0.7	SMCO	Snowmass	41.56 308	eP	P	19 43 41.4 +0.3
N41A	Harden Midland, baz=125	30.99 319	P	P	19 42 10.1 -0.2	K37A	Belmond	33.88 320	P	P	19 42 34.8 -0.7	MVCO	Mesa Verde	42.25 304	P	P	19 43 43.9 -2.7
S39A	Bolivar, baz=120	31.05 312	eP	P	19 42 11.2 +0.2	D41A	Chassel	33.89 330	eP	P	19 42 34.0 -1.6	K22A	Casper	42.29 313	eP	P	19 43 47.4 +0.6
S39A	Bolivar, baz=118	31.05 312	P	P	19 42 10.3 -0.6	D41A	Chassel	33.89 330	P	P	19 42 36.5 +0.9	K22A	Casper	42.29 313	P	P	19 43 46.6 -0.2
L42A	Oliver, Polo, baz=129	31.05 322	eP	P	19 42 12.1 +1.2	M36A	Felix, Anita	33.90 317	P	P	19 42 34.2 -1.5	SLBS	Sierra La Lagu	42.44 284	eP	P	19 43 51.1 +3.0
L42A	Oliver, Polo, baz=129	31.05 322	P	P	19 42 11.5 +0.6	G39A	Felix, Anita	33.99 325	P	P	19 42 32.8 -3.1	RWWY	Rawlins	42.46 311	eP	P	19 43 49.3 +1.0
P40A	Paris, baz=122	31.10 316	P	P	19 42 11.6 +0.2	KSU1	Kansas State U	33.99 312	P	P	19 42 36.3 -0.2	PV01	Paradox Valley	42.51 306	eP	P	19 43 50.5 +1.8
R39A	Chumby, Stover, baz=119	31.15 313	P	P	19 42 11.0 -0.8	WMOK	Wichita Mounta	34.00 304	eP	P	19 42 35.4 -1.3	PV02	Paradox Valley	42.51 306	eP	P	19 43 51.5 +1.6
M41A	Milan, baz=127	31.19 320	P	P	19 42 09.7 -2.4	WMOK	Wichita Mounta	34.00 304	P	P	19 42 36.9 0.0	PV13	Radium Mtn., P	42.70 306	eP	P	19 43 51.4 +1.1
J43A	Natural Harves, baz=132	31.25 325	P	P	19 42 09.9 -2.6	E40A	Wakefield	34.10 328	P	P	19 42 35.4 -1.4	PV12	Saucer Basin,	42.73 306	eP	P	19 43 52.0 +1.5
O40A	La Belle, baz=123	31.31 317	P	P	19 42 11.0 -2.1	ABTX	Abilene, Hawle	34.12 300	eP	P	19 42 37.5 -0.1	PV03	Paradox Valley	42.75 306	eP	P	19 43 51.7 +1.5
K42A	Prairie Point, baz=130	31.36 323	P	P	19 42 13.0 -0.6	J7X	Abilene, Hawle	34.12 300	P	P	19 42 37.0 -0.9	LPIG	La Paz	42.75 285	LR	LR	20 07 18.2
S38A	Stockton, baz=117	31.44 311	P	P	19 42 12.8 -1.6	ABTX	Abilene, Hawle	34.12 300	P	P	19 42 38.2 +0.3	O20A	White River Ci	42.76 309	P	P	19 43 49.1 -1.5
I43A	Langenfeld Bro, baz=133	31.44 326	P	P	19 42 13.6 -0.6	L36A	Harm Buss Farm	34.15 318	P	P	19 42 37.1 -0.7	PV22	Blue Mesa, Par	42.77 306	eP	P	19 43 52.1 +1.4
F45A	CMU Biological, baz=139	31.45 331	P	P	19 42 12.6 -1.7	H38A	Maiden Rock	34.21 324	P	P	19 42 37.0 -0.9	PV11	David Mesa, Pa	42.78 306	eP	P	19 43 52.2 +1.4
T38A	Diamond, baz=116	31.45 310	P	P	19 42 12.6 -1.9	F39A	Loretta	34.27 326	P	P	19 42 35.0 -3.1	PV18	Skein Mesa, Pa	42.79 306	eP	P	19 43 52.1 +1.1
Q39A	Willow Grove F, baz=120	31.47 314	P	P	19 42 11.9 -2.7	G38A	Ridgland	34.28 325	P	P	19 42 35.0 -3.1	PV16	Nyswonger Mesa	42.81 306	eP	P	19 43 52.5 +1.4
N40A	Mertquake, Sal, baz=125	31.55 319	P	P	19 42 13.7 -1.5	K36A	Gilmore City	34.30 319	P	P	19 42 36.9 -1.5	PV17	East Wray Mesa	42.84 306	eP	P	19 43 52.6 +1.3
P39B	Salisbury, baz=121	31.55 315	P	P	19 42 13.7 -1.5	E39A	Mellen	34.39 327	P	P	19 42 38.4 -0.7	W18A	Petrified Fore	42.84 301	eP	P	19 43 52.8 +1.4
L41A	Preston, baz=128	31.59 321	P	P	19 42 15.3 -0.3	I37A	Lemond, Waseca	34.45 322	eP	P	19 42 38.3 -3.1	PV19	Morning Glory	42.86 306	eP	P	19 43 52.7 +1.3
H43A	Windswept, Lux, baz=135	31.65 327	eP	P	19 42 16.8 +0.7	I37A	Lemond, Waseca	34.45 322	P	P	19 42 41.0 +1.0	PV05	Paradox Valley	42.90 305	eP	P	19 43 53.0 +1.5
H43A	Windswept, Lux, baz=135	31.65 327	P	P	19 42 15.8 -0.3	H37A	Dierke Farm, C	34.51 323	P	P	19 42 41.5 +1.0	PV14	Lion Creek, Pa	42.91 306	eP	P	19 43 52.6 +0.7
R38A	Fenwick Farm, baz=118	31.69 312	P	P	19 42 12.4 -4.2	J36A	Seneca 1, Swea	34.62 32									

Table with columns: Code, Name, RA, Dec, Mag, Type, and other details. Includes entries like SNOW Snow King Moun, REDW Red Top Meadow, AHID Auburn Hatcher, etc.

Table with columns: Code, Name, RA, Dec, Mag, Type, and other details. Includes entries like 002D Mt. Diablo Mer, N02D Trinity Center, YBH Yreka Blue Hor, etc.

Table with columns: Code, Name, RA, Dec, Mag, Type, and other details. Includes entries like BURAR Bucovina Array, DOPRA Dopca, BIZ Bicaz, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 29 19:54:15.2, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 29 19:56:33.1, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 29 20:01:30.8, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like IDC 29 20:23:13.3, etc.

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

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

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

NEIC 29 21:26:52.3, 0.0, 19.71N-64.23W, h25km, MD3.7(RSPR), After RSPR.

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

ICD 29 21:39:50.5, 1.0, 7.30N-127.20E, h0km, mb3.8/7, mb1 3.9/7, mb1mx3.5/62, mbtmp3.8/7, Error ellipse: s-maj=24.7km s-min=20.8km az=66.0.

ISCJB 29 21:39:55.8, 1.1, 7.12N:0.05:1.17E:0.07, h50km, 13km, mb3.7/7, Error ellipse: s-maj=11.9km s-min=7.9km az=101.0.

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

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

Table with columns: LAST, LAST, SIVA, ANOYA, etc. and rows listing various astronomical objects and their properties.

Table with columns: MTP, MTP, MTP, etc. and rows listing various astronomical objects and their properties.

Table with columns: ROSC, ROSC, ROSC, etc. and rows listing various astronomical objects and their properties.

MEX 29 22:04:52.4-0.7, 14:10N:92:36W, h10km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az, Phase ID, Time Res, etc. and rows listing station data.

ISCJB 29 22:26:25.9-0.8, 19:64N:01:64:35W:0:02, h5km, 5km, mb4.5/115, MS4.1/48, Error ellipse: s-maj=3.1km s-min=2.3km az=3.5

IDC 29 22:26:27.1-0.4, 19:52N:64:34W, h0km, mb4.3/32, mb1.4/435, mb1mx4.3/63, mbtmp4.3/35, ML3.8/3, MS4.0/52, Ms1.4/052, ms1mx4.0/57, Error ellipse: s-maj=11.9km s-min=11.0km az=172

NEIC 29 22:26:28.6-1.2, 19:77N:64:24W, h29km, mb4.5/91, MD4.3(RSPR), After RSPR

RSPR 29 22:26:28.6, 19:77N:64:24W, h29km, 19km, MD4.3/20 GCMT 29 22:26:31.6-0.2, 19:72N:01:64:34W:0:01, h12km, MW4.9/97, Moment Tensor Solution. s20,c21; s97,c140; Duration: 0 Moment tensor: Scale 10^19Nm; Mr0.24±.07; Mw±.15±.06; Ms±.12±.06; Ml±.12±.19; Mb±.18±.05; Mo±.40±.18; Best double couple: Mo2.614000/-0.1016 NP1.99700000/-0.88000000/-1.21000000; NP2: 0±164.000000/-0.66900000/-1.16900000; Principal axes: T 2.2470, P1g7.0000, Azm119.0000; N 0.7430; P1g67.0000; Azm226.0000; P -2.9910, P1g22.0000; Azm26.0000; nsta1 refers to body waves, cutoff=40s; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 29 22:26:27.4-0.9, 19:55N:03:64:45W:0:03, h5km, 6km, n523, ±1970/539, mb4.5/115, MS4.1/48, 43C-20D, Virgin Islands

Table with columns: Code, Station Name, Az, Az, Phase ID, Time Res, etc. and rows listing station data for the Virgin Islands event.

Table with columns: H05N1, MGG, DR12, etc. and rows listing various astronomical objects and their properties.

Table with columns: ROSC, ROSC, ROSC, etc. and rows listing various astronomical objects and their properties.

29d 22h

2012 AUG

1428

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like X50B Fort Payne, SSPA Standing Stone, 448A Bay Minette, etc.

Table of astronomical observations for 1429, listing stations like SHOC, TPNV, SFJD, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 1429, listing stations like SEYM, AKTO, BVAR, etc., with columns for station name, coordinates, and observation details.

ATH 29 22:28.8, 36.74N, 122.10E, h22km, 4km, ML1.3/3, Error ellipse: s-maj=4.8km s-min=1.4km az=174.0, Southern Greece

Table of astronomical observations for 1429, listing stations like DYR, MESZ, PYL, etc., with columns for station name, coordinates, and observation details.

NIED 29 22:35.00, 39.20N, 142.40E, h32km, Mw3.9 Best double couple: M6.g20000.1014 NP1.3, 314.00000, 824.00000, lambda=138.00000, NP2.3, 184.00000, 874.00000, lambda=71.00000

JMA 29 22:35.39, 39.0, 1.39, 18N, 142.39E, h31km, 1km, M4.1 JMA Fellt J1

IDC 29 22:35.42, 8.1, 8.39, 04N, 142.33E, h52km, 16km, mb3.5/12, mb1.3, 7/17, mb1mx3.5/4, mbmp3.8/17, ML3.6/4, MS3.0/4, Ms1.3, 0/4, ms1mx2.6/64, Error ellipse: s-maj=19.3km s-min=10.6km az=97.0

ISC 29 22:35.37, 9.1, 9.39, 08N, 0.0, 142.40E, 0.07, h12km, 10km, mb3.9, 23/30/36, mb3.9/12, Near east coast of eastern Honshu

Table of astronomical observations for 1429, listing stations like OFUJ, OFLU, MIYK, etc., with columns for station name, coordinates, and observation details.

MEX 29 22:50.21, 6.0, 3, 16, 42N, 98.47W, h5km, 5km, MD3.8, Near coast of Guerrero

Table of astronomical observations for 1429, listing stations like PNIG, PNIG, TLIG, etc., with columns for station name, coordinates, and observation details.

RSPR 29 22:54:28.4, 19.64N, 64.15W, h16km, 10km, MD3.6/5, 10C-2D, Virgin Islands

Table of astronomical observations for 1429, listing stations like ABV, ANEG, ANEG, etc., with columns for station name, coordinates, and observation details.

ISCJB 29 22:57:56.8, 0.5, 33.35N, 0.03, 35.44E, 0.05, h8km, 8km, Error ellipse: s-maj=7.1km s-min=3.3km az=26.0

GIL 29 22:57:56.2, 0.0, 33.31N, 35.46E, h1km, MD1.7/4 GRAL 29 22:57:57.0, 0.3, 33.31N, 35.44E, h4km, 3km, MD2.7

ISC 29 22:57:56.7, 1.0, 33.34N, 0.03, 35.46E, 0.05, h16km, 9km, mb1.6, 40/53/25, Jordan-Syria region

Table of astronomical observations for 1429, listing stations like KSDI, KSDI, NATI, etc., with columns for station name, coordinates, and observation details.

RSPR 29 23:05.1, 19.66N, 64.33W, h16km, 10km, MD3.6/5, 14C-6D, Virgin Islands

Table of astronomical observations for 1429, listing stations like ABV, ANEG, ANEG, etc., with columns for station name, coordinates, and observation details.

DDA 29 23:14:49.5, 36.06N, 28.85E, h13km, M13.2 IDC 29 23:14:52.7, 1.4, 36.13N, 28.80E, h9km, mb3.2/2, mb1.3, 2/6, mb1mx3.1/39, mbmp3.2/6, ML3.1/4, Error ellipse: s-maj=29.4km s-min=17.0km az=162.0

ATH 29 23:14:53.4, 36.34N, 28.71E, h16km, 2km, ML2.8/5, Error ellipse: s-maj=3.7km s-min=1.3km az=172.0

ISCJB 29 23:14:53.1, 1.2, 36.25N, 0.02, 28.76E, 0.02, h1km, 4km, mb3.2/2, Error ellipse: s-maj=4.3km s-min=3.0km az=167.4

ISK 29 23:14:53.5, 36.36N, 28.70E, h5km, ML3.1/8 THE 29 23:14:54.2, 36.36N, 28.79E, h0km, 1km, ML2.7/2, Error ellipse: s-maj=1.3km s-min=0.9km az=168.0

ISC 29 23:14:53.1, 1.2, 36.28N, 0.02, 28.76E, 0.02, h5km, 9km, mb4.8, 19/67/77, Dodecanese Islands

Table of astronomical observations for 1429, listing stations like FETY, FETY, ARG, etc., with columns for station name, coordinates, and observation details.

Table with columns: FINES, FINES Array B, 64.88 332, P, Pmax, 23 44 00.0 -0.6. Includes stations like HFS Hagfors, HFS Quepos, HFS Urusca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cerro Adams, Buena Vista, Quepos, etc.

ATH 30 00:08:49.6, 35.46N, 27.25E, h22km, ML3.2/11, Error ellipse: s-maj=1.9km s-min=1.0km az=147.0

ISCJB 30 00:08:50.3, 0.6, 35.44N, 0.03, 27.27E, 0.02, h14km, 3km, Error ellipse: s-maj=5.8km s-min=2.7km az=158.1

THE 30 00:08:50.0, 35.39N, 27.30E, h0km, 1km, ML3.1/6, Error ellipse: s-maj=2.4km s-min=1.2km az=150.0

ISK 30 00:08:50.3, 35.47N, 27.29E, h12km, ML3.1/13

DDA 30 00:08:55.1, 34.77N, 26.63E, h21km, ML3.9

ISC 30 00:08:51.1, 1.0, 35.44N, 0.04, 27.24E, 0.03, h15km, 5km, n70, c1908/105, Dodecanese Islands

Main table listing station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KARP Karpathos, ZKR Zakros, STIA Sitia Lasithi, ARG Arkhangelos, etc.

Table with columns: KSL, comp=N, 151um, 0.6s, AML, AML, 00 09 55.0. Includes stations like KSL Kastellorizon, APE Apeiranthos, AYDN Tasoluk, etc.

ISCJB 30 00:16:55.5, 1.6, 11.95N, 0.05, 88.81W, 0.04, h24km, 15km, mb4.2/6, Error ellipse: s-maj=9.4km s-min=4.7km az=32.7

CASC 30 00:16:56.3, 1.6, 11.93N, 88.88W, h36km, 999km, ML3.6, mb4.2/6, NEIC

NEIC 30 00:16:58.7, 1.1, 12.02N, 88.75W, h35km, mb4.2/7, Error ellipse: s-maj=19.4km s-min=8.4km az=206.0

ISC 30 00:16:56.6, 2.0, 12.03N, 0.07, 88.83W, 0.06, h20km, 16km, n35, c1946/44, mb4.3/5, 2C, Off coast of central America

Main table listing station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PACA Pacayal, CSGN Cosiguina Volc, CSGN Cosiguina Volc, etc.

CASC 30 00:26:58.7, 2.8, 12.02N, 88.24W, h81km, 52km, MD4.3, ML3.9, mb4.4(NEIC)

ISCJB 30 00:26:59.2, 0.5, 12.10N, 0.04, 88.18W, 0.04, h54km, 3km, mb4.4/51, MS3.2/6, Error ellipse: s-maj=8.5km s-min=3.5km az=35.8

NEIC 30 00:27:00.8, 0.6, 12.23N, 88.12W, h35km, mb4.4/45, Error ellipse: s-maj=12.3km s-min=6.4km az=32.0

ISC 30 00:27:01.2, 1.1, 12.11N, 0.06, 88.15W, 0.05, h48km, 11km, n209, c1958/215, mb4.4/51, MS3.2/6, 4C, Off coast of central America

Main table listing station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CSGN Cosiguina Volc, CSGN Cosiguina Volc, LA Ca'-ada, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like ABTX Abilene, Hawle, W474 Westport, W50A Signal Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like I41A Arkdale, PV14 Lion Creek, I36A Fitzsimmons, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include stations like BS01 CO. Balc'n, MNMC Minye Minye, PSGC Pisagua, etc.

GERES GERES Array B 25.03 123 P P 00 59 29.4 +1.0
ZALV Zalevo Beam 46.13 93 P P 01 02 28.6 +0.2

NEIC 30 01:14:12.2,0.8,5:15S:151:10E,h132km,8km,mb4.5/20,
Error ellipse: s-maj=9.3km s-min=6.4km az=116.0
IDC 30 01:14:12.5,2.1,5:19S:151:11E,h135km,18km,mb3.8/11,

ISC 30 01:14:13.4,0.4,0.5:21S:0.05:151:04E,0.06,h155km,
mb4.2/26,Error ellipse: s-maj=9.4km s-min=6.2km

az=27.2
ISC 30 01:14:14.6,0.5,5:24S:0.07:151:01E,0.09,h155km,n46,

+r35/49,mb4.2/26,New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like RABL, PMG, COEN, PATS, etc.

IDC 30 01:21:15.2,1.6,6:778N:19:02W,h0km,mb3.3/2,
mb1.3/6.4,mb1mx3.2/73,mbtmp3.4/4,ML2.9/2,MS3.1/12,

Ms1.3/12,ms1mx2.8/44,Error ellipse: s-maj=32.7km

s-min=26.7km az=79.0,Iceland region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like BORG, SFJD, SPITS, etc.

IDC 30 01:26:06.2,3.0,6:34S:129:56E,h108km,40km,mb3.1/1,
mb1.3/2.5,mb1mx3.0/53,mbtmp3.5/5,Error ellipse:

s-maj=67.1km s-min=21.8km az=90.0,Banda Sea

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

WRA 0.2nm,0.3s,baz=337,slow=13,SNR=15 S Sn 01 31 47.4 -14
ASAR Alice Springs 17.73 167 P P 01 30 04.6 -1.1

MKAR Malakani Array 67.44 327 P P 01 30 56.0 +0.1

ISCJB 30 01:33:33.6,1.1,19:69N:0:05:64:27W,0:03,h21km,8km,
Error ellipse: s-maj=8.4km s-min=5.2km az=172.7

NEIC 30 01:33:35.4,0.0,19:70N:64:19W,h14km,MDS.8(RSPR),

After RSPR

RSR 30 01:33:35.4,19:70N:64:19W,h14km,7km,MD3.8/17

ISC 30 01:33:35.2,2.3,19:61N:0:07:64:29W,0:04,h19km,5km,

n71,+e070/102,42C-17D,Virgin Islands

Large table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists numerous stations including ABV, TBVI, STVI, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like SFK, UCH, BTK, IUG, AAK, etc.

GUC 30 02:09:42.9,0.5,23:78S:67:40W,h254km,13km,ML3.5,

1C-1D,Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like PB06, PB07, etc.

ATH 30 02:12:35.7,35:75N:29:06E,h10km,31km,ML2.1/2,Error

ellipse: s-maj=31.6km s-min=1.3km az=0.0

DDA 30 02:12:36.2,36:02N:29:05E,h22km,ML2.7

ISK 30 02:12:37.4,36:09N:29:06E,h8km,ML2.3/10

ISC 30 02:12:36.2,1.4,36:02N:0:05:29:05E,0:03,h6km,11km,

n22,+e104/37,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like KSL, FET, ARG, etc.

Table with columns: BRDR, SUTC, AYDB, KHAL, KHAL, iS, Sg, Op, Pn, Time, Res, ISC. Rows include SUTC Zulfine-Ispart, AYDB Yetinkoy-Aydi, KHAL Karahalli, KHAL Karahalli.

After RSPR, RSPR 30 02:00:08.1, 19:70N-64:22W, h29km, 17km, MD3.7/11, 43C-5D, Virgin Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like Aneгада, Anegada Island, Tortola, Saint Thomas, Culebra, Puerto, Monte Pirata, Canovanas, etc.

ISC 30 02:31:06.9, 23.0, 30:44S-176:28W, h0km, mb4.0/4, mb1 4.2/4, mb1mx3.7/4, mbtmp4.0/4, Error ellipse: s-maj=458.8km s-min=163.8km az=104.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, FITZ Fitzroy Crossi.

ISCJB 30 03:01:23.6, 0.5, 8:56S:0:03:74:89W:0:03, h138km, 4km, mb4.7/52, Error ellipse: s-maj=5.9km s-min=4.0km az=146.6

GCMT 30 03:01:24.3, 0.3, 8:58S:0:02:74:98W:0:02, h150km, 3km, MW5.0/82, Moment Tensor Solution, s24,c26; s28,c115; Duration: 0. Moment tensor: Scale 10^16Nm; M1-1.94; 13; Mw0.46; 14; Mw1.47; 18; Mw0.31; 09; Mw1.51; 12; Mw1.25; 12; Best double couple: M3.42300x10^16 Np1.3x346.000000; 671.000000; -70.000000. NP2: e1=19.000000; e2=20.000000; e3=-134.000000. Principal axes: T 3.5210, P1g23.0000, Azm160.0000; P -3.3240, P1g60.0000, Azm284.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular inverter-rate function

BJJ 30 03:01:24.3, 0.3, 8:58S:75:30W, h141km, mB5.1/4, IDC 30 03:01:24.0, 1.4, 6:55S:75:01W, h130km, 3km, mb4.2/35, mb1 4.4/42, mb1mx4.3/62, mbtmp4.7/42, MS3.5/11, Ms1 3.5/11, ms1mx3.1/45, Error ellipse: s-maj=8.6km s-min=6.8km az=61.0

NEIC 30 03:01:25.2, 0.1, 8:63S:74:87W, mb4.8/230, ML4.8(A)RE, Error ellipse: s-maj=4.4km s-min=3.0km az=49.0

NEIC Felt [I] at Aguaytza, Pucallpa and Tingo Maria. Also felt at Cruzeiro do Sul, Brazil.

ISC 30 03:01:24.3, 0.3, 8:67S:0:04:74:89W:0:05, h129km, 2km, h130km, p-P, n735, e1194/782, mb4.8/264, 1, C, Peru-Brazil border region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ATAH Athatuapa, NNA Nana, NNA Nana, OTAV Otavalo, CRUC Cruc, SOTA Sotoblanco, PCON Concho Dias, POPC Popayan, GUVS San Jose del Gu, MARF Paez Belalcázar, SAML Samuel, MINMC Minye Minye, PB11 POC Station P, HORQ Saladito, PRAC Prado, VILC Villavicencio, ANIL Santa Ana, TOLC Tolima.

Main station list table with columns: CHIC, ROSC, NORC, PB04, RUSC, HELC, PTBC, BARC, SIV, DBBC, BBRCC, CIRC, PAMC, ZARC, PTGA, PTGA, OCAC, SDV, SDV, SDV, JTS, CPUP, CPUP, CPUP, CPUP, GRGR, SVB, FDF, BDFB, BDFB, OBIP, SJG, GDHS, AOPR, CDVI, HUMP, APG, APG, MTP, CBYP, SMRT, ANWB, PLCA, PLCA, PLCA, CMIG, TLIG, 060Z, 060A, RPN, 656A, 657A, 554A, 457A, 455A, 453A, LNIG, 254A, 39AL, 39AL, 252A, 152A, 254A, 150A, 153A, 149A, 252A, 451A, 250A, LRAL, 249A, 453A, Y52A, VBMS, Y51A, 341A, 247A, X53A, 833A, X52A, X52A, KMSC, KMSC, X51A, X50B.

NEIC 30 02:20:08.1, 0.0, 19:70N-64:22W, h28km, MD3.7(RSPR),

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like LILLOET, KOWA, VNA3, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NOA, MOA, ARZA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like SONAO, SONM, MK32, etc.

MEX 03:16:31.8-0.8, 14°20'N-93°19'W, h20km±110km, MD3.9. Near coast of Chiapas. Table with columns: Code, Station Name, Frequency, Power, and other technical details.

DJA 03:03:22.10±1.2, 7°2'N-5°12'7"E, h28km±26km, M3.6/6, ML3.6/6, Northern Molucca Sea. Table with columns: Code, Station Name, Frequency, Power, and other technical details.

ICD 03:27:18.9±0.9, 32°05'N-69°74'E, h0km, mb3.9/12, mb1.4/0.15, mb1mx3.7/81, mbtmp3.9/15, ML3.6/3, MS3.3/3, Ms1.3/3.3, ms1mx2.6/68, Error ellipse: s-maj=2.22km s-min=18.2km az=146.0. ISC/JB 03:27:31.3±0.4, 32°01'N-0°03:69'91E±0.4, h33km, mb4.0/15, MS3.2/3, Error ellipse: s-maj=6.0km s-min=3.2km az=40.3. NNC 03:03:27.4±9.5, 32°37'N-69°43'E, h0km, mb4.2, Error ellipse: s-maj=75.0km s-min=29.1km az=132.0. NEIC 03:03:25.9±1.5, 32°11'N-69°77'E, h51km, 12km, mb4.3/9, Error ellipse: s-maj=12.9km s-min=8.3km az=187.0. ISC 03:03:23.3±0.6, 31.94N±0.05:69.79E±0.05, h35km, n71, s185/83, mb4.0/15, MS3.2/3, 3C-7D, Okistan.

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like KBL, KNL, NIL, etc.

ICD 03:01:55.0±0.9, 12°27'N-143°85'E, h0km, mb4.0/11, mb1.4/2.11, mb1mx3.7/81, mbtmp4.0/11, MS3.2/6, Ms1.3/2.6, ms1mx2.7/64, Error ellipse: s-maj=27.4km s-min=16.9km az=110.0. NEIC 03:03:02:01.7±1.3, 12°16'N-144°07'E, h54km±12km, mb4.5/8, Error ellipse: s-maj=15.8km s-min=8.5km az=93.0. ISC 03:03:01:58.4±0.7, 12°17'N-144°14'E±0.1, h26km, n45, s1906/34, mb4.3/18, MS3.2/4, South of Mariana Islands.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Makanchi Array, Abkulan array, Kurchatov Arr, etc.

MEX 30 03:57:09.1-0.9, 14:39N-93:04W, h13km, 161km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Comitan, Elision Array, etc.

ISC 30 03:59:00.0-1.2, 19:45N-64:35W, h0km, mb3.4/5, mb1 3.8/6, mb1mx3.5/6.2, mbtmpp.3/6, ML3.6/1, MS3.5/3, Ms1 3.3/3, ms1mx3.1/15, Error ellipse: s-maj=3.6, s-min=23.4km az=169.0

ISC/CB 30 03:59:02.3-1.6, 19:50N-0:05:64:32W-0:03:h25km, 14km, mb3.5/5, MS3.5/3, Error ellipse: s-maj=7.6km s-min=4.7km az=9.8

NEIC 30 03:59:02.1-0.0, 19:70N:64:19W, h24km, ML4.0, After RSPR

ISC 30 03:59:04.7-1.9, 19:48N-0:07:64:34W-0:04,h26km, 14km, n48, r167/52, mb3.5/5, MS3.4/3, Virgin Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including Anegada Island, Saint Thomas, Culebra, etc.

TRN 30 03:59:26.0, 18:01N:63:31W, h11km, IDC 30 03:59:31.2-0.4, 19:43N-64:35W, h0km, mb4.1/23, mb1 4.2/26, mb1mx4.1/63, mbtmpp.4/126, ML3.5/3, MS3.4/11, Ms1 3.3/11, ms1mx3.1/33, Error ellipse: s-maj=12.4km, s-min=11.9km az=123.0

ISC/CB 30 03:59:36.2-0.5, 19:49N-0:03:64:34W-0:02,h45km, 6km, mb4.2/57, MS3.5/10, Error ellipse: s-maj=5.4km, s-min=3.1km az=15.9

NEIC 30 03:59:37.1-0.0, 19:61N:64:34W, h29km, mb4.3/37, After RSPR

RSPR 30 03:59:37.1, 19:61N:64:34W, h29km, 11km, MD3.4/11, ISC 30 03:59:36.1-0.5, 19:46N-0:03:64:36W-0:02,h33km, 3km, n205, r176/242, mb4.2/57, MS3.5/10, 23C-9D, Virgin Islands

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including Anegada, Anegada Island, Tortola, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including Chingaza, El Rosal, Isla Barro Colorado, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H1052 ASCENSION HYDF656, DBIC Dimbokro, PLCA Pano Flores, etc.

IDC 00 04:34:45.6:2.2,36.30N:70.44E, h183km, 19km, mb3.6/19, mb1 3.6/25, mb1mx3.4/76, mbtmp4.1/25, Error ellipse: s-maj=13.3km s-min=11.4km az=176.0, ISCJB 00 04:34:47.4:0.3,36.47N:0.03:70.38E:0.04, h204km, mb3.7/18, Error ellipse: s-maj=5.2km s-min=3.5km az=161.3

NNC 00 04:34:50.6:5.3,37.06N:69.98E, h0km, mb4.3, Error ellipse: s-maj=53.1km s-min=32.9km az=151.0, ISC 00 04:34:47.7:0.3,36.47N:0.05:70.41E:0.05, h204km, n61, s=171.71, mb3.8/18, 5CZ-7D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CEP Cherat, CHCP Chirah Chowk, THW Thamme Wai, Sufi-Kurgan, AML Almayusha, MNAS Manas, DHRM DHARAMSHALA, UCHT Uchtor, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FINES FINES Array B, ARCES ARCES Array B, HFS Hagfors, NB2 NORPAR Subarra, etc.

NEIC 30 05:16:45.1:0.0, 19:68N:64.22W, h51km, MD2.8(RSPR), After RSPR, RSPR 30 05:16:45.1, 19:68N:64.22W, h51km, 7km, MD2.8/3, 25C-3D, Virgin Islands

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

KRSC 30 05:21:13.6:0.5,50.02N:156.96E, h25km, 16km, ML3.5, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, PAU Pazudhetka, etc.

NEIC 30 05:34:47.9:0.0, 19:71N:64.15W, h49km, MD3.6(RSPR), After RSPR, RSPR 30 05:34:47.9, 19:71N:64.15W, h49km, 9km, MD3.6/10, 43C, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABV Anegada, ABV Anegada, ABV Anegada Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CELP Cerrillos, CELP Cerrillos, OBIP Obispado Ponce, etc.

NEIC 30 05:39:33.1:0.0, 19:56N:64.19W, h86km, MD3.7(RSPR), After RSPR, RSPR 30 05:39:33.1, 19:56N:64.19W, h86km, 3km, MD3.7/6, ISC 30 05:39:30.6:2.7, 19:60N:0.1:64.39W:0.06, h2km, 14km, n23, s=0593.23, 10C-4D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABV Anegada, ABV Anegada, ABVI Anegada Island, etc.

IDC 30 06:03:59.5:0.9, 22:60S:69.36E, h0km, mb4.0/8, mb1 4.1/8, mb1mx3.6/72, mbtmp4.0/8, MS3.4/4, Ms1 3.4/4, ms1mx2.8/44, Error ellipse: s-maj=33.0km s-min=22.5km az=66.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

RSPR 30 06:08:17.7, 19:50N:64.17W, h80km, 3km, MD3.5/6, 28C-3D, Virgin Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ABV Anegada, ABV Anegada, ABVI Anegada Island, etc.

IDC 30 06:18:07.1:6.4, 23:57S:131.43E, h0km, mb1 4.0/1, mb1mx3.4/44, mbtmp4.0/1, ML1.52, Error ellipse: s-maj=88.8km s-min=28.6km az=88.0, Northern Tropic

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

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

NNC 30 07:49:19.2, 2.5, 55.11N, 87.30E, h0km, mb3.5, Error ellipse: s-maj=23.5km s-min=17.0km az=137.0, Suspected Mining explosion.

IDC 30 07:49:27.7, 2.7, 55.44N, 86.33E, h0km, mb1.3, 0.3, mb1mx2.9/1, mbtmp3.0/3, ML2.7/3, 3C-3D, Error ellipse: s-maj=25.7km s-min=18.3km az=65.0, Southwestern Siberia

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

ISCJB 30 07:59:45.0, 0.3, 5.00N, 0.05, 96.24E, 0.06, h150km, mb3.8/19, Error ellipse: s-maj=10.2km s-min=4.9km az=144.1

DJA 30 07:59:45.9, 1.4, 5.2N, 8.96E, 1.5, h171km, 11km, M4.2/6, ML4.2/6

IDC 30 07:59:45.8, 2.6, 4.87N, 96.25E, h148km, 24km, mb3.7/17, mb1.3/18, mb1mx3.5/68, mbtmp4.1/18, MS2/8.1, Mb1.2.8/1, ms1mx2.4/68, Error ellipse: s-maj=22.2km s-min=11.6km az=53.0

ISC 30 07:59:46.2, 0.5, 4.83N, 0.06, 96.22E, 0.07, h150km, n43, a173/48, mb3.8/19, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TPTI, KCSI, SSSI, etc.

DDA 30 08:00:54.5, 37.90N, 26.69E, h7km, ML2.8, ISK 30 08:00:54.6, 37.93N, 26.75E, h9km, ML2.0, 0.6, ISC 30 08:00:54.9, 1.1, 37.91N, 0.05, 26.74E, 0.04, h11km, 11km, n10, a033/15, Dodecanese Islands

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

DDA 30 08:01:10.3, 39.56N, 26.36E, h7km, ML2.1, Turkey

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

IDC 30 08:04:35.6, 0.4, 37.25S, 73.58W, h0km, mb4.8/24, mb1.4, 5/26, mb1mx4.8/40, mbtmp4.8/26, ML4.4/2, MS4.5/29, Mb1.4, 5/29, ms1mx4.4/2, Error ellipse: s-maj=18.3km s-min=10.4km az=77.0

GUC 30 08:04:38.4, 0.4, 37.24S, 73.86W, h40km, 2km, ML5.2, MW5.0

NEIC 30 08:04:40.1, 1.5, 37.20S, 73.40W, h23km, 10km, mb5.0/98, MW5.1(GUC), Error ellipse: s-maj=7.4km s-min=3.6km az=75.0

NEIC Felt [V] at Chiguayante, Coronel, La Laja, Penco, San Pedro de la Paz, Talcahuano and Tome; [IV] at Arauco, Carretera, Cobquecura, Concepcion, Los Alamos, Quirihue and San Rosendo; [III] at Lebu and Los Angeles; [II] at Rancagua. Also felt at Chillan

GCMT 30 08:04:40.0, 0.3, 37.34S, 0.02, 74.04W, 0.03, h26km, 1km, MW5.2/71, Moment Tensor Solution. s42, c49; s71, c92; Duration: 0 Moment tensor: Scale 10^19Nm; M3.64, 22; Mw0.46, 13; Mw-4.10, 17; Mw-0.39, 24; Mw0.14, 10; M1.3, 5.64, 45; Best double couple: Mo6.85400x10^16 Np1.3, 873.00000, 873.00000, 0.93.00000. NP2: 0.352.00000, 817.00000, 179.00000. Principal axes: T: 6.6380, P1g62.0000, Azm98.0000; N: 0.4360, P1g3.0000, Azm2.0000; P: -7.0700, P1g28.0000, Azm270.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJB 30 08:04:40.8, 0.8, 37.13S, 0.03, 73.40W, 0.07, h45km, 6km, mb4.8/111, MS4 6/29, Error ellipse: s-maj=9.5km s-min=4.4km az=171.4

MOS 30 08:04:40.4, 1.2, 37.13S, 73.38W, h33km, mb5.2/29, Error ellipse: s-maj=12.7km s-min=6.6km az=92.0

ISC 30 08:04:40.2, 1.0, 37.25S, 0.03, 73.67W, 0.06, h31km, 6km, n610, a1921/619, mb4.9/110, MS4.6/30, 12C-11D, Near coast of central Chile

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TMU, CAVA, CANA, etc.

ISC 30 08:04:40.8, 0.8, 37.13S, 0.03, 73.40W, 0.07, h45km, 6km, mb4.8/111, MS4 6/29, Error ellipse: s-maj=9.5km s-min=4.4km az=171.4

MOS 30 08:04:40.4, 1.2, 37.13S, 73.38W, h33km, mb5.2/29, Error ellipse: s-maj=12.7km s-min=6.6km az=92.0

ISC 30 08:04:40.2, 1.0, 37.25S, 0.03, 73.67W, 0.06, h31km, 6km, n610, a1921/619, mb4.9/110, MS4.6/30, 12C-11D, Near coast of central Chile

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

050A	Cable	77.56 352	P	P	08 16 32.2 -0.6
P44A	Sand Creek, Wi	77.57 348	P	P	08 16 31.9 -0.9
ACSO	Alum Creek Sta	77.58 353	eP	P	08 16 33.2 +0.3
ACSO	Alum Creek Sta	77.58 353	P	P	08 16 32.3 -0.6
049A	Covington	77.68 352	P	P	08 16 32.6 -0.9
040A	Laux Farm, Aux	77.74 345	P	P	08 16 34.0 +0.2
LAZ	Ladron	77.79 332	eP	P	08 16 37.2 +2.7
046A	Farmland	77.85 351	P	P	08 16 33.5 -0.9
P43A	Skaggs, Pawnee	77.89 348	P	P	08 16 34.3 -0.4
047A	Sheridan	77.96 350	P	P	08 16 34.1 -0.9
P42A	Winchester	77.98 347	eP	P	08 16 35.4 +0.2
P42A	Winchester	77.98 347	P	P	08 16 35.1 0.0
ANMO	Albuquerque	78.03 333	P	P	08 16 37.1 +1.3
ANMO	Albuquerque	78.03 333	LR	LR	08 04 24.9
ANMO	Albuquerque	78.03 333	eP	P	08 16 37.2 +1.5
ANMO	Albuquerque	78.03 333	eP	P	08 16 36.3 +0.5
ANMO	Albuquerque	78.03 333	P	P	08 16 36.7 +0.9
TASL	Snake Pit, Alb	78.03 333	P	P	08 16 36.5 +0.7
TASM	ASL Pad, Albuq	78.03 333	P	P	08 16 36.2 +0.4
Q38A	Cooks Store, C	78.03 344	P	P	08 16 35.4 -0.1
N54A	Moraine State	78.05 355	P	P	08 16 35.3 -0.2
N50A	Nevada	78.13 353	P	P	08 16 35.7 -0.2
Q37A	Longview Farm,	78.14 344	P	P	08 16 35.4 -0.6
045A	Potomac	78.19 349	P	P	08 16 35.8 -0.5
044A	Mansfield	78.22 348	P	P	08 16 35.7 -0.7
SFIN	Lafayette	78.23 350	P	P	08 16 35.3 -1.2
P40A	Paris	78.25 346	eP	P	08 16 37.0 +0.3
P40A	Paris	78.25 346	P	P	08 16 36.9 +0.3
P39B	Salisbury	78.36 345	P	P	08 16 36.7 -0.6
043A	Sugar Creek Fa	78.48 348	P	P	08 16 37.7 -0.2
042A	Bath	78.53 347	P	P	08 16 37.8 -0.4
M54A	Oil Creek Stat	78.57 355	P	P	08 16 37.6 -0.8
041A	Paspalleys Farm,	78.60 347	P	P	08 16 38.0 -0.5
P38A	Dawn	78.65 344	eP	P	08 16 39.2 +0.4
P38A	Dawn	78.65 344	P	P	08 16 38.3 -0.6
N46A	Monticello	78.68 350	P	P	08 16 38.1 -0.9
HDIL	Hopedale	78.74 348	eP	P	08 16 39.7 +0.4
HDIL	Hopedale	78.74 348	P	P	08 16 39.1 -0.2
M50A	Fremont	78.74 353	P	P	08 16 38.6 -0.7
040A	La Belle	78.79 346	P	P	08 16 39.5 0.0
P37A	Lathrop	78.79 344	P	P	08 16 39.0 -0.7
M49A	Liberty Center	78.91 352	P	P	08 16 39.9 -0.4
Q39A	Kirksville	79.05 345	P	P	08 16 40.8 -0.2
BINY	Binghamton	79.10 358	P	P	08 16 42.0 +0.7
Q38A	Galt	79.11 345	P	P	08 16 41.1 -0.2
N41A	Harden Midland	79.17 347	eP	P	08 16 41.8 +0.1
N41A	Harden Midland	79.17 347	P	P	08 16 41.4 -0.2
T25A	Trinidad	79.30 335	eP	P	08 16 44.8 +2.1
T25A	Trinidad	79.30 335	P	P	08 16 44.1 +1.4
N40A	Mertquake, Sal	79.47 346	P	P	08 16 43.0 -0.3
X16A	Lo Mia Camp, P	79.49 329	eP	P	08 16 46.0 +2.2
L49A	Milan	79.52 352	P	P	08 16 43.1 -0.4
L47A	Sherwood	79.55 351	P	P	08 16 43.0 -0.7
M43A	Waltham Townsh	79.55 348	P	P	08 16 43.1 -0.5
TSUM	Tsumeb	79.60 106	P	P	08 16 44.9 +0.1
TSUM	Tsumeb	79.60 106	LR	LR	08 04 19.7
TSUM	Tsumeb	79.60 106	eP	P	08 16 45.0 +0.1
N39A	Derby Farms, D	79.64 346	eP	P	08 16 44.4 +0.1
N39A	Derby Farms, D	79.64 346	P	P	08 16 44.2 0.0
N38A	Derby Farms, D	79.71 345	P	P	08 16 44.4 -0.2
BOSA	Boshof	79.73 118	P	P	08 16 45.5 0.0
BOSA	Boshof	79.73 118	LR	LR	08 05 36.1
BOSA	Boshof	79.73 118	eP	P	08 16 45.1 -0.4
BOSA	Boshof	79.73 118	eP	P	08 16 45.1 -0.4
M41A	Milan	79.76 347	P	P	08 16 44.3 -0.5
M39A	Webster	80.16 346	P	P	08 16 46.5 -0.6
SDCO	Great Sand Dun	80.21 335	eP	P	08 16 49.3 +1.6
SDCO	Great Sand Dun	80.21 335	P	P	08 16 48.2 +0.5
L42A	Oliver, Polo	80.22 348	P	P	08 16 46.8 -0.5
Y12C	Blythe	80.23 326	eP	P	08 16 50.7 +3.1
L43A	Garden Prairie	80.24 349	P	P	08 16 47.6 +0.1
WUAZ	Wupatki	80.24 330	P	P	08 16 50.8 +2.1
L41A	Preston	80.43 347	P	P	08 16 48.1 -0.4
L40A	Anamosa	80.55 347	P	P	08 16 48.4 -0.6
S22A	4UR Ranch, Cre	80.67 334	eP	P	08 16 52.2 +0.6
S22A	4UR Ranch, Cre	80.67 334	P	P	08 16 51.8 +1.0
MVCO	Mesa Verde	80.79 332	eP	P	08 16 52.7 +1.8
MVCO	Mesa Verde	80.79 332	P	P	08 16 52.0 +1.2
IRM	Iron Mountain	80.85 326	P	P	08 16 52.6 +1.6
K41A	Shullsburg	80.91 348	P	P	08 16 50.8 -0.2
K42A	Patrick Point,	80.92 348	P	P	08 16 50.9 -0.2
FRD	Ford Ranch, An	80.96 325	P	P	08 16 53.3 +1.7
PFO	Pinyon Flats O	80.99 325	eP	P	08 16 53.3 +1.4
PFO	Pinyon Flats O	80.99 325	eP	P	08 16 53.3 +1.4
PFO	Pinyon Flats O	80.99 325	P	P	08 16 53.6 +1.8

Q24A	Divide	81.19 336	eP	P	08 16 54.8 +1.8
Q24A	Divide	81.19 336	P	P	08 16 54.0 +0.9
J42A	Columbus	81.41 349	P	P	08 16 53.5 -0.2
LONY	Lake Ozonia	81.49 359	eP	P	08 16 55.0 +0.9
LONY	Lake Ozonia	81.49 359	P	P	08 16 54.3 +0.2
J41A	Loganville	81.60 348	P	P	08 16 54.8 +0.1
GMRC	Granite Mounta	81.61 326	P	P	08 16 56.9 +1.8
PV01	Paradox Valley	81.64 333	eP	P	08 16 57.2 +1.9
PV13	Radium Mtn., P	81.75 333	eP	P	08 16 57.6 +1.7
J40A	Soldiers Grove	81.75 348	P	P	08 16 55.1 -0.4
PV02	Paradox Valley	81.76 333	eP	P	08 16 57.6 +1.7
PV05	Paradox Valley	81.78 332	eP	P	08 16 57.8 +1.7
PV18	Skein Mesa, Pa	81.86 333	eP	P	08 16 58.0 +1.6
J39A	Decorah	81.87 347	P	P	08 16 55.5 -0.6
PV12	Saucer Basin,	81.88 333	eP	P	08 16 58.4 +1.8
PV17	East Wray Mesa	81.91 333	eP	P	08 16 58.4 +1.7
PV16	Nyswonger Mesa	81.92 333	eP	P	08 16 58.9 +2.1
HEC	Hector,Ludlow	81.95 326	P	P	08 16 57.8 +1.0
SMCO	Snowmass	82.00 334	eP	P	08 16 59.0 +1.6
PV14	Lion Creek, Pa	82.01 333	eP	P	08 16 59.0 +1.8
PV10	Paradox Valley	82.02 333	eP	P	08 16 58.6 +1.3
OGNE	Ogallala	82.04 339	P	P	08 16 58.2 +1.0
BFSC	Mount Baldy Ra	82.06 324	P	P	08 16 58.2 +0.7
PV23	Carpenter Ridge	82.08 333	eP	P	08 16 59.5 +1.8
ISCO	Idaho Springs	82.10 336	eP	P	08 16 59.1 +1.3
ISCO	Idaho Springs	82.10 336	eP	P	08 16 59.1 +1.3
ISCO	Idaho Springs	82.10 336	P	P	08 16 58.7 +0.9
LBTB	Lobatse	82.13 115	eP	P	08 16 58.2 -0.1
LBTB	Lobatse	82.13 115	eP	P	08 16 58.2 -0.1
PV21	Cone Mtn., Par	82.16 333	eP	P	08 17 00.2 +2.1
PV09	Paradox Valley	82.16 333	eP	P	08 17 00.1 +1.9
TUQ	Turquoise Moun	82.27 326	P	P	08 16 59.7 +1.1
I39A	Houston	82.33 347	P	P	08 16 58.4 -0.1
J36A	Seneca 1, Swea	82.37 345	eP	P	08 16 59.4 +0.6
J36A	Seneca 1, Swea	82.37 345	P	P	08 16 59.3 +0.6
LCMT	Little Creek M	82.47 329	eP	P	08 17 02.1 +2.5
BLG	Laguna Peak, P	82.62 323	P	P	08 16 59.8 -0.8
I38A	Scanlan Farm,	82.66 347	P	P	08 16 59.8 -0.4
I37A	Lemond, Waseca	82.84 346	P	P	08 17 00.5 -0.7
SHPR	Sheep Range	82.84 327	eP	P	08 17 04.1 +2.5
SZCU	Shurtz Canyon	82.90 329	eP	P	08 17 04.4 +2.5
MTPU	Mount Pierson	82.93 330	eP	P	08 17 04.1 +1.9
CCUT	Cedar City	82.98 329	eP	P	08 17 05.1 +2.7
KOWA	Kowa	83.18 66	P	P	08 17 09.3 +5.8
KOWA	Kowa	83.18 66	LR	LR	08 05 12.3
N23A	Red Feather La	83.20 336	eP	P	08 17 05.2 +1.8
N23A	Red Feather La	83.20 336	P	P	08 17 03.8 +0.4
SRU	San Rafael Swe	83.22 332	eP	P	08 17 05.0 +1.5
SRU	San Rafael Swe	83.22 332	eP	P	08 17 05.0 +1.5
ECSD	EROS Data Cent	83.25 343	eP	P	08 17 03.9 +0.6
ECSD	EROS Data Cent	83.25 343	P	P	08 17 03.7 +0.4
O20A	White River Ci	83.29 334	P	P	08 17 05.5 +1.7
O20A	White River Ci	83.29 334	P	P	08 17 04.8 +0.9
MSU	Marysville	83.33 331	eP	P	08 17 06.3 +2.2
MSU	Marysville	83.33 331	P	P	08 17 06.3 +2.2
PHWY	Pilot Hill	83.41 336	eP	P	08 17 05.9 +1.4
P18A	Preston Nutter	83.57 332	eP	P	08 17 07.3 +1.9
ISA	Isabella, Lake	83.61 325	eP	P	08 17 08.0 +2.5
ISA	Isabella, Lake	83.61 325	eP	P	08 17 08.0 +2.5
ISA	Isabella, Lake	83.61 325	P	P	08 17 07.6 +2.2
P17A	Butcher Ranch,	83.61 332	eP	P	08 17 07.0 +1.6
TMUT	Trail Mountain	83.64 332	eP	P	08 17 07.6 +1.8
G39A	Holcombe	83.66 348	P	P	08 17 06.5 +1.1
TPNV	Topopah Spring	83.69 327	eP	P	08 17 08.4 +2.5
DAC	Darwin (Calif)	83.72 326	eP	P	08 17 08.3 +2.2
DAC	Darwin (Calif)	83.72 326	eP	P	08 17 08.4 +2.2
F41A	Three Lakes	83.77 349	P	P	08 17 06.0 +0.1
H35A	Sunnyside Ranc	83.79 345	P	P	08 17 06.1 +0.1
PSUT	Pine Spring	84.02 329	eP	P	08 17 09.8 +2.2
GRAC	Grapevine Rang	84.22 326	P	P	08 17 09.7 +1.2
F39A	Loretta	84.23 348	P	P	08 17 08.3 +0.1
RWWY	Rawlins	84.33 335	eP	P	08 17 10.6 +1.4
MPU	Maple Canyon	84.42 332	eP	P	08 17 11.2 +1.6
F38A	Pierce - Schro	84.44 347	P	P	08 17 09.5 +0.3
NLU	North Lily Min	84.54 331	eP	P	08 17 12.2 +2.0
R11A	Troy Canyon, C	84.58 328	P	P	08 17 12.3 +1.5
R11A	Troy Canyon, C	84.58 328	P	P	08 17 11.7 +1.3
E40A	Wakefield	84.58 349	P	P	08 17 10.2 +0.2
E39A	Melton	84.62 348	P	P	08 17 10.3 +0.1
JLU	Jordanelle	84.66 332	eP	P	08 17 13.6 +1.7
K22A	Casper	84.97 336	eP	P	08 17 13.3 +1.1
K22A	Casper	84.97 336	P	P	08 17 13.4 +1.1
DUG	Dugway, Tooele	85.03 331	eP	P	08 17 14.5 +1.9
DUG	Dugway, Tooele	85.03 331	eP	P	08 17 14.5 +1.9
DUG	Dugway, Tooele	85.03 331	P	P	08 17 14.0 +1.4
VLMO	Val d'Or	85.05 357	eP	P	08 17 13.2 +0.9
VLMO	Val d'Or	85.05 357	eP	P	08 17 16.2 +2.1
OMDD	Old Mammoth Mi	85.49 325	eP	P	08 17 17.5 +2.5
RSSD	Black Hills	85.54 339	eP	P	08 17 15.5 +0.4
RSSD	Black Hills	85.54 339	eP	P	08 17 15.5 +0.4
RSSD	Black Hills	85.54 339	P	P	08 17 15.5 +0.4
NV11	Mina Array St	85.75 327	eP	P	08 17 18.7 +2.4
HWUT	Hardware Ranch	85.78 332	eP	P	08 17 17.7 +1.3
NV01	Mina Array St	85.82 326	eP	P	08 17 18.3 +1.6
NVAR	Mina Array Bea	85.82 326	P	P	08 17 18.1 +1.4

comp=Z,2.3nm,0.8s,baz=156,slow=6.0,SNR=20	LR	LR	08 04 22.9		
NVAR	comp=Z,1.14nm,18.8s,baz=208,slow=31	LR	08 04 22.9		
RYN	Ryan	86.08 326	eP	P	08 17 20.5 +2.6
BW06	Boulder Array	86.08 334	eP	P	08 17 24.2 +0.0
BW06	Boulder Array	86.08 334	P	P	08 17 18.2 +0.3
PD31	Pinedale Array	86.08 334	eP	P	08 17 19.1 +1.2
PDAR	Pinedale Array	86.08 334	eP	P	08 17 18.4 +0.5
PDAR	Pinedale Array	86.08 334	eP	P	08 17 18.2 +0.3
KVN	Kaiserville	86.24 327	eP	P	08 17 20.5 +1.8
KVN	Kaiserville	86.24 327	eP	P	08 17 20.5 +1.8
EYMN	Walker	8			

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like U15A, O20A, W15A, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like SSSLB, R40A, T39A, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other technical details. Includes stations like VVDA, FITZ, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station I46RU.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station H01W2.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes station FETY, ARG, etc.

30d 9h

Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NIS1 Nisyros Isl, BDRM Kayabasi, BODT Bodrum, etc.

IDC 30 08:52:28.7,26.0,22.98S-173.15W,h0km,mb4.4/4, mb1 4.6/4,mb1mx3.7/53,mbtmp4.4/4,Error ellipse: s-maj=489.3km s-min=143.1km az=78.0,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.

IDC 30 09:02:57.7-1.3,12.58N-88.19W,h0km,mb3.8/6, mb1 4.1/9,mb1mx3.8/52,mbtmp3.8/9,ML3.3,MS3.5/9, Ms1 3.5/9,ms1mx3.0/47,Error ellipse: s-maj=46.9km s-min=18.7km az=41.0

ISCJB 30 09:03:00.4-0.4,12.22N-0.03-88.49W,0.0/3,h48km,3km, mb4.3/43,MS3.4/9,Error ellipse: s-maj=6.7km s-min=2.7km az=37.7

CASC 30 09:03:00.9-1.9,12.26N-88.51W,h40km,999km,MD4.4, ML3.7,mb4.4(NEIC)

NEIC 30 09:03:02.0-0.5,12.36N-88.45W,h35km,mb4.4/44,Error ellipse: s-maj=92km s-min=6.8km az=207.0

ISC 30 09:03:01.3-1.7,12.28N-0.06-88.47W,0.0/5,h31km,12km, n255,c09/98/260,mb4.3/43,MS3.4/9,Off coast of central America

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CSGN Cosiguina Volc, UFB Cosiguina Volc, YSM San Miguel, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PACA Pacajay, LFRS El Faro, PAVA Las Pavas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LBRS Las Brisas, SNET Serv Nac Est T, LFU La Fuente, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like COLS Colinas, OPAM San Salvador, UUES San Salvador, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BOQS Boqueron, CNCH Cerro Negro, COPN Copaltepe, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MOMM Momotombo, SBLs San Blas, SNJE San Jose, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RTR El Retiro, APYN Apoyeque, XAVN Gruta Xavier, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TGUH Tegucigalpa,Un, BRAN Las Pilas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MGAN Managua, ESTN Estel, ESTN Estel, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTO3 Montecristo, MATO Matagalpa, BOAB BOACO BROADBA, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like APG El Apazote, MESS Mesas, MESS Mesas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CUI Cuipilapa, JTS JuntasAbangare, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JTS JuntasAbangare, ESPN Las Esperanzas, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JCR Jicaral, CGA2 Cerro Gallo 2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HDC Heredia, QCR1 Quepos, URSC Urasca, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like COIG Comitán, BUS Buena Vista, CMIG Matias Romero, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TLIG Tiapa, LNIG Linares, DWPF Disney Wildern, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 833A Chaparral WMA, 833A Chaparral WMA, 352A Blakely, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 251A Midway, 252A Lumpkin, 253A Americus, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 254A Abbeville, 435B Jarrell, 435B Jarrell, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 148A Greensboro, 144A Alexander Plac, 150A Eclectic, etc.

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Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 143A Soes Landing, 256A Glennville, 152A Waverly Hall, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LRLAL Lakeview Retre, 146A Cam and Jess, 240A Louisville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like 154A Montrose, JCT Junction City, JCT Junction City, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Z50A Ashland, Z48A Northport, Z45A Winona, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Z42A Norrel Spur, H, Z41A Richland Creek, WHTX Lake Whitney, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Z53A Monticello, Z54A Sparta, Y46A Houston, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Y47A UCPARC, Winfie, Y47A JCPARC, Y50A Piedmont, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Y51A Rockmart, HPIG, Y53A, Y40A Okolona, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NHSC New Hope, LTX Lajitas, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TX31 Lajitas Array, Y54A Tignall, X47A Russelville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like X49A Woodville, X50B Fort Payne, X40A Basin Creek Fa, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like X52A Dahlonega, X53A Estanolee, MIAR Mount Ida, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MIAR Mount Ida, ABTX Abilene, Hawle, ABTX Abilene, Hawle, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like X39A Fountain Ranch, W46A Michie, W45A Hickory Valley, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W48A Pulaski, JSC Jenkinsville, W47A Westpoint, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W50A Signal Mountai, W51A Cleveland, W41B Gary Mavity, V, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W41B Gary Mavity, V, WHAR Woolly Hoolow, W40A Ferguson Farm, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W40A Ferguson Farm, W53A Cullowhee, W39A Magazine, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like W39A Magazine, V48A Smith Brothers, V47A Nunnelly, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PCRVR Puerto La Cruz, V49A McMinnville, V42A Mountainview, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like V41A Mountainview, TKL Tuckaleeches C, TKL Tuckaleeches C, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like V40A Witts Springs, V40A Witts Springs, LPIG La Paz, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like V53A Saluda, V53A Saluda, V39A Pettigrew, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U46A Springville, U43A Rector, U47A Clarksville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U42A Revenden, WMOK Wichita Mounta, WMOK Wichita Mounta, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U49A Red Boiling Sp, U50A Jamestown, U40A Yellowville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U51A La Follette, HHAR Hobbs, U39A Green Forest, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TUL1 Leonard, TUL1 Leonard, TUL1 Leonard, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U52A Thorn Hill, U53A Fall Branch, T47A Sharon Grove, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T47A Sharon Grove, T46A Princeton, T43A Greenville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T42A Van Buren, MNTX Cornudas Mount, MNTX Cornudas Mount, etc.

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Table with columns: ID, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like U52A Thorn Hill, U53A Fall Branch, T47A Sharon Grove, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T47A Sharon Grove, T46A Princeton, T43A Greenville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T42A Van Buren, MNTX Cornudas Mount, MNTX Cornudas Mount, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T41A Mountain View, T49A Edmont, T39A Elyton, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like T40A Mansfield, T38A Diamond, T52A Hallie, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MSTX Muleshoe, S43A Fullbridge, S41A Jillico Farms, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like S40A Lebanon, AMTX Amarillo, AMTX Amarillo, S39A Bolivar, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like S39A Bolivar, S38A Bolivar, S38A Bolivar, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CCM Cathedral Cave, CCM Cathedral Cave, WCI Wyandotte Cave, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like R47A Woolly Knot Far, R41A Rosebud, R40A Maddies Statio, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like R39A Chumby, Stover, R38A Fenwick Farm, Q40A Fair Farm, Aux, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Q39A Willow Grove F, Q38A Cooks Store, Q51A Peebles, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like P40A Paris, P39B Salisbury, P38A Dawn, K5U1 Kansas State U, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like K5U1 Kansas State U, O40A La Belle, O50A Cable, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like O39A Kirksville, T25A Trinidad, N39A Derby Farms, D, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like N39A Derby Farms, D, N38A Joes South For, N37A Lee Faris, Mou, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like N37A Lee Faris, Mou, K5CO Kaye Shedlock, K5CO Kaye Shedlock, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SDCO Great Sand Dun, SDCO Great Sand Dun, S22A 4UR Ranch, Cre, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like S22A 4UR Ranch, Cre, K39A Oelwein, K37A Belmont, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like J40A Soldiers Grove, J39A Cotnam, PTGA Pitinga, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like J38A Wadsworth Dairy, R, J37A Redenius Farm, J36A Seneca I, Swea, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like J36A Seneca I, Swea, S3MCO Snowmass, I39A Houston, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I39A Houston, I41A Arkdale, I38A Pleasant Farm, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I37A Lemond, Waseca, ECSD Great Data Cent, H40A Chili, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H37A Dierke Farm, C, H38A Maiden Rock, H36A Jesseiland, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H35A Sunnyside Ranc, O20A White River Ci, O20A White River Ci, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SAML Samuel, G38A Rideland, G40A Rib Lake, G39A Holcombe, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SPMN Marine on St, I41A Arkdale, I38A Pleasant Farm, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like I37A Lemond, Waseca, ECSD Great Data Cent, H40A Chili, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H37A Dierke Farm, C, H38A Maiden Rock, H36A Jesseiland, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H35A Sunnyside Ranc, O20A White River Ci, O20A White River Ci, etc.

30d 10h

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like TBI Tubuai, GYA Guiyang, JOW Kunigami, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like AAK Ala-Archa, KURBK Kurchatov, H10S2 ASCENSION HYDR06, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like MSTX Muleshoe, DLMT Dillon, FXPW Fox Creek, etc.

10C 30 10:58:44.72.19.27.9:885x176.56W, h0km, mb3.6/4, mb1 4.0/4, mb1mx3.6/5.0, mbtmp3.6/4, Error ellipse: s-maj=219.3km s-min=24.6km az=157.0, Fiji Islands region

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

ISCJB 30 10:58:52.5.0.3, 50.25S:0.06:114.3E:0.1, h10km, mb4.5/22, Error ellipse: s-maj=14.6km s-min=6.9km az=2.6

10C 30 10:58:52.0.5.0.27S:114.16E, h0km, mb4.6/16, mb1 4.6/17, mb1mx4.4/5.0, mbtmp4.6/17, ML2.1/1, Error ellipse: s-maj=12.6km s-min=12.6km az=119.0

NEIC 30 10:58:54.1.0.2, 50.26S:114.25E, h10km, mb4.6/12, Error ellipse: s-maj=10.0km s-min=5.3km az=111.0

GCMT 30 10:58:57.2.0.2, 50.17S:0.01:113.98E:0.02, h13km, 1km, MW5.1/93, Moment Tensor Solution, s26.c32; s93.c141; Duration: 0 Moment tensor solution: 1016Nm; Mr0.88z.21; Ms0.35z.19; Mw0.44z.27; Mm1.60z.49; Mw0.38z.13; Mw0.38z.77; Best double couple: Mb0.46600x10^16 Nm; Mw0.2900000; A=1.2000000; N=1.2000000; P=2.6000000; S=2.0000000; A=1.22.000000; Principal axes: T 5.0700, Plg1.0000; Azm338.0000; N 2.8340, Plg65.0000; Azm71.0000; P -7.9020, Plg25.0000; Azm248.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 30 10:58:54.2.0.4, 50.26S:0.08:114.3E:0.1, h10km, m110, a071/99, mb4.5/22, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, URZ Urewera, SNAAS Snaae, etc.

Table with columns: LLI, Lipari, Milazzo, etc. Includes stations like LLI Lipari, MILZ Milazzo, IFIL Filicudi, etc.

Table with columns: MTTG, Motta San Giov, MSCSL Scilla, etc. Includes stations like MTTG Motta San Giov, MSCSL Scilla, GIB Gibilmanna, etc.

IDC 30 11:06:18.4.2.5, 22.525x170.92E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.6/56, mbtmp3.9/5, ML4.0/1, Error ellipse: s-maj=111.5km s-min=37.8km az=170.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, CTA Charters Tower, ASAR Alice Springs, etc.

Table with columns: MSRU Castanea, ES LN Serrra La Nave, etc. Includes stations like MSRU Castanea, ES LN Serrra La Nave, ES LN Serrra La Nave, etc.

Table with columns: ALJA Alia, HAGA Augusta, etc. Includes stations like ALJA Alia, HAGA Augusta, HAGA Augusta, etc.

ROM 30 11:09:57.4.0.1, 38.309N, 0004.14:866E, 0.005, h24km, ML3.5/44, Sicily

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VPL Vulcano Piano, LLI Lipari, etc.

Table with columns: GALT Gagliano Caste, PALL Pollina, etc. Includes stations like GALT Gagliano Caste, PALL Pollina, MTTG Motta San Giov, etc.

Table with columns: SOLUN Solunto, AGST Augusta-Monte, etc. Includes stations like SOLUN Solunto, AGST Augusta-Monte, AGST Augusta-Monte, etc.

Table with columns: AGST, HVZN, HZVN, SSS, SSS, SSS, MCT, MEU, PLAC, PLAC, PLAC, CORL, CORL, CORL, GRI, GRI, GRI, GRI, HMDC, HMDC, HMDC, HAVL, USI, USI, USI, USI, CET2, CET2, CET2, CRJA, SERS, SERS, SERS, MFNL, MMGO, MTGR, TIP, TIP, TIP, BULG, BULG, BULG, BULG, CUC, CUC, CUC, MGR, MGR, MGR, MGR, SALB, SIRI, SIRI, CMPR, CMPR, CMPR, MTSN, MTSN, MTSN, MTSN. Includes station names, coordinates, and various codes.

Table with columns: MCEL, MCEL, MCEL, CDRU, CDRU, CDRU, CDRU, IDC 30, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, H01W2, H01W1, H01W3, ASAR, WRA, SNA, JAY, H08S2, H08S1, H08S3, OPO, TXAR, NEIC 30, RSPR, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, ABV, ABV, ABV, ABV, ABV, TBVI, TBVI, TBVI, STVI, STVI, STVI, CUPR, CUPR, MTP, MTP, MTP, CBYP, CBYP, CBYP, CBYP, HUMP, HUMP, HUMP, EMPR, EMPR, CELP, CELP, AOPR, AOPR, IS/CJB 30, NEIC 30, IDC 30, IS/C 30, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, UNV, UNV, MTBL, MSW, AKMO, AKRB, AHB, MCIR, AKLV, AKUT, AKSA, AKGF, AKGF, OKTU, OKTU, OKNE, WESP, WESE, WEBT, SSSL, NIKO, NIKO, FALS, FALS, KOPF, ATKA, CHGN, GSCK, ADK, KIMD. Includes station names, coordinates, and various codes.

Table with columns: OHAK, KDAD, KDAD, KDAD, CERA, RSO, CNPM, CCB, SKT, RC01, PMR, CAST, SML, CLL, CCH, FID, TRF, SCM, EYAK, EPW, DIV, RND, KLU, RAGM, DHV, SMR, IM3, WRH, PAX, CRQM, TGL, BALM, ILAR, ILAR, ILB, RIDG, PCA, COLD, DAW, SKAG, WHY, JIS, DLBC, INK, INK, NEW, YBH, YBH, PNTR, YERR, BPO, EGMT, NV01, NVAR, NVAR, NVAR, YHH, RLMT, PDAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, PV11, PV18, PV03, PV13, PV01, WUAZ, WUAZ, WMAZ, WMOK, WMOK, TX31, TX31, TXAR, TXAR, TXAR, HHC, HHC, HHC, WMO, HFS, MALIN, WRA, FITZ, ASAR, GSPA, MATP, MAN 30, Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, BESP, BESP, CNP, CNP, OCLP, MSLP, IS/CJB 30, GUC 30, IDC 30, IS/C 30. Includes station names, coordinates, and various codes.

30d 12h

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

ISCJB 30 11:59:02.5±0.2, 64.00N±0.02, 21.56W±0.03, h10km, mb4.0/38, MS3.8/5, Error ellipse: s-maj=2.9km

REY 30 11:59:02.3, 64.00N±0.1, 59W, h6km, mb1 3.9/17, mb1mx3.7/7.6, mbtmp3.8/17, ML4.1/1, MS3.8/8, Ms1 3.8/8, ms1mx3.3/7.9, Error ellipse: s-maj=15.0km

NEIC 30 11:59:05.1±0.2, 63.94N±2.1, 65W, h10km, mb4.2/10, Error ellipse: s-maj=7.9km s-min=4.2km az=199.0

ISC 30 11:59:04.1±0.4, 64.01N±0.02, 21.54W±0.02, h10km, m100, c2502/121, mb4.1/39, MS3.8/5, Iceland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ISAN, ISAN, IBJA, IBJA, IKAS, IKAS, IKRO, IKRO, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IVAT, IALF, IALF, IHVE, IHVE, JFJC, JFJC, etc.

ISC 30 12:16:58.3±1.9, 195S, 128.66E, h0km, mb1 1/2, mb1 3.5/4, mb1mx3.3/5, mbtmp3.3/4, ML3.2/2, Error ellipse: s-maj=91.0km s-min=24.7km az=71.0, Halmahera

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

ISCJB 30 12:18:40.2±2.3, 50.18S±0.03, 114.11E±0.06, h3km, mb5.6/20, MS5.3/17, Error ellipse: s-maj=6.2km s-min=5.5km az=176.5

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MOS 30 12:18:42.4±1.3, 50.15S±1.14, 114.19E, h13km, mb5.6/20, MS5.2/21, Error ellipse: s-maj=18.9km s-min=8.7km az=84.0

NEIC 30 12:18:43.1±0.1, 50.14S±1.14, 114.08E, h10km, mb5.4/67, MS5.3/89, Error ellipse: s-maj=5.7km s-min=4.9km az=83.0

GCMT 30 12:18:46.1±0.1, 50.12S±0.01, 114.11E±0.01, h16km, MW5.6/136, Moment Tensor Solution, s104, c183, s136, c312; Duration: 1s6 Moment tensor: Scale 1017 Nm; Mn:0.59; 0.4; Mw:2.16; 0.4; Ms:2.75; 0.4; Mh:0.02; 1.1; Mh:1.98; 0.3; Mr:1.76; 1.4; Best double couple: M3.5400x1017 NP:1.3±0.0000; 3.88.00000; 1-153.00000; NP2:2.294.00000; 8.63.00000; 1-2.00000; Principal axes: T 3.060, Pt17.0000, Azm156.0000; N 0.9760, Pt63.0000, Azm28.0000; P -4.0380, Pt20.0000; Azm252.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

ISC 30 12:18:42.1±0.8, 50.30S±0.04, 114.17E±0.06, h6km, m4km, n877, c1516/814, mb5.4/107, MS5.3/147, 15C-5D, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H01W2, H01W1, H01W3, H01W3, CASY, CASY, etc.

ISC 30 12:18:41.0±0.5, 20S±0.1, 114.22E, h0km, mb5.2/31, mb1 5.2/22, mb1mx3.1/46, mbtmp5.2/32, ML2.6/1, MS5.1/41, Ms1 5.1/41, ms1mx3.1/44, Error ellipse: s-maj=13.9km s-min=9.9km az=120.0

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like QIS Mount Isa, KNRA Kununurra, WKZ Wanaka, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like HNR Honiara, MANU Manus Island, IPM Ipo, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GYA Gyang, POO Poona, POO Poona, etc.

30d 12h

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Lanzhou, Tiejun, SMLA, INCN, WSAR, KSAR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDJ, KSH, SHEL, WMQ, ULN, SONA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like AKAS, AKBB, AK11, BUR0, etc.

30d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like 46A, Y51A, W48A, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like 044A, P45A, U52A, etc.

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Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like LONY, AVB, ABV, etc.

12C 12:29:17.9:1.5, 19:34N:64:55W, h0km, mb3.3/2, m1 3.8/2, mb1mx3.4/58, mbtm3.3/2, MS3.6/1, M1 3.7/1, m1mx2.8/33, Error ellipse: s-maj=32.0km s-min=23.7km az=43.0

NEIC 30 12:29:20.0:0.0, 19:62N:64:38W, h11km, MD3.8/(RSPR), After RSPR

RSPR 30 12:29:20.0, 19:62N:64:38W, h11km, 4km, MD3.8/13

ISC 30 12:29:17.1:2.0, 19:51N:0:06.64:39W, 0.03, h5km, 12km, n73, c1904/108.51C, Virgin Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like AVB, ABV, AVI, etc.

SJG comp=Z, 129nm, 20.6s, baz=75, slow=57, SNR=5.6

SJG 28nm, 0.3s, baz=282, slow=20, SNR=13

SJG San Juan 2.17 230 Pn

SJG Saba 2.18 150 eP

EMPR Esperanza - Ma 2.27 243f eP

EMPR Esperanza - Ma 2.27 243f eP

EMPR St. Eustatius 2.42 146 eP

CELP Cerrillos 2.52 236f eS

CELP Cerrillos 2.52 236f eS

CELP Cerrillos 2.52 236f eS

AOPR Arcicibo Observ 2.52 243f eP

AOPR Arcicibo Observ 2.52 243f eP

AOPR Arcicibo Observ 2.52 243f eP

OBIP Obispado Ponce 2.56 235f eS

OBIP Obispado Ponce 2.56 235f eS

OBIP Obispado Ponce 2.56 235f eS

ICMP Isla Caja de M 2.59 232f eP

ICMP Isla Caja de M 2.59 232f eP

ICMP Isla Caja de M 2.59 232f eP

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LZG Guadeloupe-1, NEV Hard Times, SSG Sans Toucher, etc.

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 18.71 170 P 12 57 29.1 +0.1

Code Station Name Az Az' Phase ID Time Res ISC
ASAR Alice Springs 45.80 255 P 13 08 22.4 +0.6

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
PNIG Pinotepa 0.70 46 Op 12 52 21.5 -2.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 45.70 260 P 13 08 20.7 -0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KNK Rabbit Creek A, RC01 Sufi-Kurgan, FIB Fire Island, etc.

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Code Station Name Az Az' Phase ID Time Res ISC
KAKM Katmai Knife C 4.42 222 P 13 04 09.4 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFAK 3.1nm,0.4s, SFK Sufi-Kurgan, SFK baz=25, etc.

IDC 30 13:47:36.3, 3.5, 21S, 151.64E, h78km, 26km, mb3.6/8, mb1 3.9/9, mb1mx3.5/5.3, mbtmp4.0/9, Error ellipse: s-maj=31.2km s-min=19.6km azz=102.0, New Britain region

Code Station Name Az Az' Phase ID Time Res ISC
PMG Port Moresby 6.09 227 Op 13 17 06.8 +1.7

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 22.31 227 P 13 19 28.3 -0.7

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 22.31 227 P 13 19 28.3 -0.7

Code Station Name Az Az' Phase ID Time Res ISC
ASAR Alice Springs 25.08 221 P 13 19 55.1 0.0

Code Station Name Az Az' Phase ID Time Res ISC
FITZ Fitzroy Crossi 28.45 241 P 13 20 25.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
SONM Songoing Array 66.06 328 P 13 25 17.3 +1.0

Code Station Name Az Az' Phase ID Time Res ISC
VNDV Vande 72.47 178 P 13 25 55.3 0.0

Code Station Name Az Az' Phase ID Time Res ISC
MKAR Makanchi Array 79.88 319 P 13 26 37.4 -0.5

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ILAR Eilison Array 3.31 19 P 13 03 53.2 -0.2

SOME 30 13:03:55.0, 1.41, 23N, 71.02E, h15km
KRNET 30 13:03:55.0, 1.41, 38N, 71.02E, h18km, mb2.2
NNC 30 13:03:55.3, 3.2, 41, 32N, 71.06E, h0km, mb2.7, Error ellipse: s-maj=29.3km s-min=15.4km azz=57.0

IDC 30 13:03:54.9, 1.4, 41, 36N, 0.03, 71.02E, h3km, 12km, n15, -0.824/27, 11C-11D, Kyrgyzstan

Code Station Name Az Az' Phase ID Time Res ISC
ARK Arkit 0.83 58 Op 13 04 11.4 +0.6

Code Station Name Az Az' Phase ID Time Res ISC
ARK Arkit 0.83 58 Op 13 04 11.4 +0.6

Code Station Name Az Az' Phase ID Time Res ISC
IUG Iuzhny 1.08 37 Op 13 04 16.2 -0.1

Code Station Name Az Az' Phase ID Time Res ISC
IUG Iuzhny 1.08 37 Op 13 04 16.2 -0.1

Code Station Name Az Az' Phase ID Time Res ISC
BTK Batken 1.31 187 Op 13 04 19.8 -0.4

Code Station Name Az Az' Phase ID Time Res ISC
BTK Batken 1.31 187 Op 13 04 19.8 -0.4

Code Station Name Az Az' Phase ID Time Res ISC
ARSB Arslanbob 1.48 91 Op 13 04 23.0 -0.1

Code Station Name Az Az' Phase ID Time Res ISC
ARSB Arslanbob 1.48 91 Op 13 04 23.0 -0.1

IDC 30 13:14:42.1, 3.0, 471S, 99.50E, h0km, mb3.8/6, mb1 3.8/6, mb1mx3.5/6.9, mbtmp3.6/6.0, Error ellipse: s-maj=134.4km s-min=26.5km azz=53.0, Southwest of Sumatra

Code Station Name Az Az' Phase ID Time Res ISC
H08S2 Diego Garcia H 27.01 262 T 13 51 16.3

Code Station Name Az Az' Phase ID Time Res ISC
H08S3 Diego Garcia H 27.01 262 T 13 51 40.5

Code Station Name Az Az' Phase ID Time Res ISC
H08S1 Diego Garcia H 27.02 262 T 13 51 32.9

Code Station Name Az Az' Phase ID Time Res ISC
ASAR Alice Springs 38.13 123 P 13 22 03.1 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
SONM Songoing Array 52.67 6 P 13 23 58.5 +0.1

Code Station Name Az Az' Phase ID Time Res ISC
MKAR Makanchi Array 53.50 345 P 13 24 04.5 +0.2

Code Station Name Az Az' Phase ID Time Res ISC
KURB Kurchatov Arra 58.00 344 P 13 24 36.3 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ZALV Zalesovo Beam 59.73 350 P 13 24 48.1 -0.4

Code Station Name Az Az' Phase ID Time Res ISC
BVAR Borovoye Array 62.55 341 P 13 25 07.5 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
TXAR Lajitas Array 147.12 39 PKPbc 13 34 27.6 -0.4

Code Station Name Az Az' Phase ID Time Res ISC
TXAR Lajitas Array 147.12 39 PKPbc 13 34 27.6 -0.4

IDC 30 13:38:10.0, 3.9, 21, 62N, 143.12E, h267km, 39km, mb3.1/8, mb1 3.3/10, mb1mx3.1/8.0, mbtmp3.9/10, Error ellipse: s-maj=32.0km s-min=12.1km azz=86.0

IDC 30 13:38:12.0, 4.0, 21, 71N, 0.09, 142.9E, 0.3, h311km, mb3.2/8, Error ellipse: s-maj=38.4km s-min=12.2km azz=177.2

IDC 30 13:38:13.7, 0.9, 21, 71N, 0.1, 143.1E, 0.3, h311km, n12, e1514/12, mb3.3/8, Mariana Islands region

Code Station Name Az Az' Phase ID Time Res ISC
JHJ Hachiojima 2 11.75 346 P 13 40 51.0 -2.0

Code Station Name Az Az' Phase ID Time Res ISC
MJAR Matsushiro Arr 15.39 345 P 13 41 33.7 -0.7

Code Station Name Az Az' Phase ID Time Res ISC
KLR Kulfud 28.92 345 P 13 43 44.1 +0.1

Code Station Name Az Az' Phase ID Time Res ISC
SONM Songoing Array 39.29 321 P 13 45 15.4 +2.1

Code Station Name Az Az' Phase ID Time Res ISC
WRA Warramunga Arr 42.26 192 P 13 45 37.0 -0.5

Code Station Name Az Az' Phase ID Time Res ISC
FITZ Fitzroy Crossi 43.09 205 P 13 45 43.9 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
ASAR Alice Springs 45.97 192 P 13 46 05.8 -0.9

Code Station Name Az Az' Phase ID Time Res ISC
MKAR Makanchi Array 54.64 313 P 13 46 10.1 +0.4

Code Station Name Az Az' Phase ID Time Res ISC
KURB Kurchatov Arra 57.47 317 P 13 47 30.9 +0.1

Code Station Name Az Az' Phase ID Time Res ISC
BVAR Borovoye Array 62.62 319 P 13 48 05.9 +0.4

Code Station Name Az Az' Phase ID Time Res ISC
NVAR Mina Array Bea 83.20 51 P 13 50 57.2 +1.1

Code Station Name Az Az' Phase ID Time Res ISC
PLCA Palca 145.81 131 PKPbc 13 57 17.6 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
PLCA Palca 145.81 131 PKPbc 13 57 17.6 -0.3

Code Station Name Az Az' Phase ID Time Res ISC
PLCA Palca 145.81 131 PKPbc 13 57 17.6 -0.3

IDC 30 13:42:43.2, 1.2, 12, 96N, 88.46W, h73km, 21km, MD3.5, ML3.2, Off coast of central America

Code Station Name Az Az' Phase ID Time Res ISC
LCY Lacayo 0.49 20 Op 13 42 56.2 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
VSM San Miguel 0.50 22 Op 13 42 56.5 -0.1

Code Station Name Az Az' Phase ID Time Res ISC
PACA Pacayal 0.52 15 Op 13 42 56.8 -0.2

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
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Code Station Name Az Az' Phase ID Time Res ISC
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Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

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Code Station Name Az Az' Phase ID Time Res ISC
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Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

Code Station Name Az Az' Phase ID Time Res ISC
LCND La Ca-ada 0.66 58 Op 13 43 05.9 +0.8

IDC 30 13:43:22.8, 0.3, 71, 52N, 10.99W, h0km, mb5.2/43, mb1 5.4/50, mb1mx3.1/8.6, mbtmp3.5/5.0, ML5.4/7, MS6.3/7.5

2012 AUG

30DK 13h

Table with columns: Call Sign, Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like OBKA Obir, BNI Bardonecchia, BUD Budapest, etc.

Table with columns: Call Sign, Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like PLOR Plostinia, VRI Vriocibia, COI Coimbra, etc.

Table with columns: Call Sign, Name, Frequency, Power, SNR, Azimuth, Elevation, and other parameters. Includes stations like PSCM Serra do Cume, FASA Fasano, MATE Matera, etc.

Table with columns: LIT, Litokhoron, 35.66 133 P P, 13 50 21.5 -1.4, etc.

Table with columns: KVAR, comp=Z,57um,20.9s,baz=306,slow=36, 14 05 49.7, etc.

Table with columns: ISP, Isparta, 39.81 125 //P P, 13 50 57.8 -0.3, etc.

Table with columns: ANKY, Antikythira Is, 39.88 134 eP P, 13 50 57.3 -1.3, etc.

P51A Williamsport	baz=25,SNR=19	47.44 268	P	P	13 51 59.1 -0.2	BLA	comp=Z,234nm,1.2s		MLR	MLR	ZAK	Zakamensk	49.95 50	eP	P	13 52 17.9 -0.8
L41A Preston	baz=24,SNR=9.7	47.46 277	P	P	13 51 58.8 -0.7	BLA	comp=Z,332um,21.0s				ZAK	Greycliff	49.97 295	eP	P	13 52 18.7 -0.2
MK31 Makanchi Array	baz=25,SNR=20	47.50 68	eP	P	13 51 58.8 -1.0	R51A Hillsboro	baz=25,SNR=8.2	48.66 264	P	P	13 52 08.7 -0.2	TCMT T51A	50.02 268	P	P	13 52 18.3 -0.9
MK31 Makanchi Array	baz=25,SNR=20	47.50 68	eP	P	13 51 58.8 -1.0	O43A Sugar Creek Fa	baz=24	48.71 274	P	P	13 52 08.6 -0.4	N36A Muff Farm, Cla	50.02 280	P	P	13 52 18.5 -0.7
MKAR Makanchi Array	comp=Z,49nm,1.0s, baz=333,slow=6.0,SNR=106	47.50 68	eP	P	13 51 58.7 -1.1	L36A Harm Buss Farm	baz=25,SNR=9.9	48.76 280	P	P	13 52 09.2 -0.4	R46A Gibon Southern	50.02 272	P	P	13 52 18.6 -0.7
MKAR Makanchi Array	comp=Z,63um,20.2s, baz=314,slow=39	47.50 68	eP	P	14 14 07.1	Q48A North Vernon	baz=24,SNR=16	48.79 270	P	P	13 52 09.5 -0.4	Q43A New Douglas	50.05 274	P	P	13 52 19.2 -0.3
MK01 Makanchi Array	baz=25,SNR=20	47.52 68	eP	P	13 51 58.1 -1.9	N41A Harden Midland	comp=Z,234nm,1.0s	48.81 276	eP	P	13 52 10.0 0.0	S48A Wiedeman Farm,	50.06 270	P	P	13 52 19.4 -0.2
J36A Seneca I, Swea	comp=Z,102nm,0.9s	47.55 281	eP	P	13 52 00.7 +0.5	N41A Harden Midland	comp=Z,234nm,1.0s	48.81 276	P	P	13 52 09.5 -0.5	U53A Fall Branch	50.13 266	P	P	13 52 19.5 -0.6
J36A Seneca I, Swea	baz=25,SNR=11	47.55 281	P	P	13 51 59.7 -0.5	BLO Bloomington	baz=25,SNR=12	48.83 271	eP	P	13 52 10.9 +0.8	O38A Galt	50.18 278	P	P	13 52 20.1 -0.3
M43A Waltham Townsh	baz=25,SNR=17	47.55 269	P	P	13 51 60.0 -0.3	BLO Bloomington	comp=Z,233nm,1.1s	48.83 271	eP	P	13 52 10.9 +0.8	R45A Skyler, Fairfri	50.19 272	P	P	13 52 20.2 -0.3
P50A Jamestown	baz=24,SNR=18	47.62 273	P	P	13 52 00.9 +0.1	TLY Talaya	comp=Z,233nm,1.1s	48.84 49	eP	P	13 52 09.6 -0.6	M50 Missoula	50.23 299	P	P	13 52 20.4 -0.5
N45A Kentland	baz=25	47.64 80	eP	P	13 52 00.7 -0.3	TLY Talaya	comp=Z,182nm,1.5s	48.84 49	eP	P	13 52 08.6 -1.5	M50 Missoula	50.25 269	P	P	13 52 21.0 0.0
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	13 52 00.7 -0.3	TLY Talaya	comp=Z,33um,17.0s	48.87 78	P	P	13 52 11.2 +0.6	T50A Nancy	50.26 277	eP	P	13 52 21.0 0.0
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,42nm,0.8s, baz=287,slow=4.3,SNR=5.7	48.87 78	P	P	14 13 38.2	P40A Paris	50.26 277	P	P	13 52 20.1 -1.0
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	P40A Paris	50.26 277	P	P	13 52 20.2 -0.8
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	TZTN Tazewell	50.27 267	P	P	13 52 20.3 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	USIN University of	50.29 272	eP	P	13 52 21.7 +0.4
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	B08A Colville Reser	50.29 305	eP	P	13 52 20.6 -0.7
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	Q42A Golden Eagle	50.34 275	P	P	13 52 21.1 -0.6
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	O37A Wolfen Farm, M	50.35 279	P	P	13 52 20.4 -1.4
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	U52A Thorn Hill	50.35 267	P	P	13 52 20.7 -1.2
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	S47A Hartford	50.38 271	P	P	13 52 21.1 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	T49A Edmonton	50.40 269	eP	P	13 52 22.3 +0.1
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	T49A Edmonton	50.40 269	eP	P	13 52 22.2 +0.1
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 40.0 +1.7
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9
DZA Taraz	comp=Z,110nm,2.3s	47.64 80	eP	P	14 11 41.8	AAK Ala-Archa	comp=Z,26um,18.1s, baz=316,slow=37	48.87 78	eP	P	13 52 11.3 +0.6	RLMT Red Lodge	50.46 295	P	P	13 52 21.8 -0.9

151A	Opelika	54.54 267	P	P	13 52 52.5 -0.4
HVU	Hansel Valley	54.54 296	eP	P	13 52 54.4 +1.4
HVU	Hansel Valley	54.54 296	eP	P	13 52 54.4 +1.4
HVU	Hansel Valley		pmax	pmax	
105D	Terrebonne, OR	54.54 304	P	P	13 52 52.3 -0.5
W40A	Ferguson Farm,	54.56 275	eP	P	13 52 52.4 -0.6
W40A	Ferguson Farm,	54.56 275	P	P	13 52 52.6 -0.3
253A	Americus	54.58 265	eP	P	13 52 55.4 +2.2
253A	Americus	54.58 265	eP	P	13 52 52.8 -0.3
LRAL	Lakeview Retre	54.60 269	eP	P	13 52 51.9 -1.4
LRAL	Lakeview Retre	54.60 269	P	P	13 52 52.2 -1.1
356A	Blackshear	54.63 263	P	P	13 52 51.9 -1.6
HIA	Hailar	54.63 37	eP	P	13 52 56.6 +3.3
HIA	Hailar		LR	LR	
Y45A	Yeager Farm, C	54.65 271	P	P	13 52 52.5 -1.1
J08A	Circle Bar Ran	54.68 301	eP	P	13 52 53.8 -0.1
150A	Eclectic	54.69 268	P	P	13 52 52.6 -1.3
X42A	Stuttgart	54.69 274	P	P	13 52 52.7 -1.2
UALR	University of	54.71 274	eP	P	13 52 54.0 -0.1
O20A	White River Ci	54.73 291	eP	P	13 52 54.2 -0.1
O20A	White River Ci	54.73 291	P	P	13 52 53.3 -1.1
H04D	Lebanon	54.74 306	P	P	13 52 52.5 -1.7
TCUT	Toone Canyon	54.76 294	eP	P	13 52 55.0 +0.3
TUL1	Leonard	54.76 278	eP	P	13 52 55.0 +0.5
TUL1	Leonard	54.76 278	P	P	13 52 53.4 -1.1
Y44A	Strider, Charl	54.78 272	P	P	13 52 53.6 -0.9
W39A	Magazine	54.78 276	eP	P	13 52 53.6 -1.0
W39A	Magazine	54.78 276	P	P	13 52 53.6 -1.0
Z47A	Carrollton	54.79 270	P	P	13 52 54.4 -0.3
COR	Corvallis	54.82 306	eP	P	13 52 57.4 +2.6
COR	Corvallis	54.82 306	eP	pmax	13 52 57.4 +2.6
252A	Lumpkin	54.84 266	P	P	13 52 54.1 -0.9
355A	Pearson	54.84 264	P	P	13 52 54.6 -0.5
Q24A	Divide	54.87 288	P	P	13 52 54.3 -1.3
149A	Jones	54.94 268	P	P	13 52 54.8 -0.9
251A	Midway	54.96 267	P	P	13 52 55.1 -0.8
TIGA	Tifton	54.99 265	P	P	13 52 55.5 -0.6
X41A	Kaden, Bauxite	55.02 275	P	P	13 52 55.5 -0.8
Y43A	Makayla and Ka	55.05 273	P	P	13 52 55.9 -0.6
Z46A	Louisville	55.08 271	P	P	13 52 55.5 -1.3
X40A	Basin Creek Fa	55.13 275	eP	P	13 52 56.5 -0.6
X40A	Basin Creek Fa	55.13 275	P	P	13 52 56.5 -0.6
148A	Greensboro	55.14 269	P	P	13 52 56.0 -1.2
456A	Hilliard	55.15 263	P	P	13 52 56.6 -0.7
Z45A	Winona	55.16 271	eP	P	13 52 57.5 +0.2
Z45A	Winona	55.16 271	P	P	13 52 57.0 -0.3
SMCO	Snowmass	55.23 290	eP	P	13 52 57.6 -0.7
JLU	Jordanelle	55.24 294	eP	P	13 52 58.5 +0.3
CTU	Camp Tracy	55.25 295	eP	P	13 52 59.4 +1.3
353A	Camilla	55.27 265	P	P	13 52 57.2 -0.9
MIAR	Mount Ida	55.31 276	eP	P	13 52 58.0 -0.5
MIAR	Mount Ida		LR	LR	
MIAR	Mount Ida	55.31 276	eP	pmax	13 52 58.0 -0.5
MIAR	Mount Ida		MLR	MLR	
MIAR	Mount Ida	55.31 276	P	P	13 52 57.4 -1.1
104A	Tendick Farm,	55.33 305	P	P	13 52 57.4 -1.1
147A	Livingston	55.34 270	eP	P	13 52 57.4 -1.3
147A	Livingston	55.34 270	P	P	13 52 57.7 -0.9
200A	Grady	55.34 267	eP	P	13 53 00.0 +1.3
250A	Grady	55.34 267	P	P	13 52 57.2 -1.5
352A	Blakely	55.38 266	P	P	13 52 58.6 -0.3
Y42A	Garnett, Star	55.40 274	P	P	13 52 58.0 -1.0
BGU	Big Grassy Mou	55.40 296	eP	P	13 52 59.2 0.0
102D	Swishome	55.41 306	P	P	14 00 44.5 +1.1
455A	Stateville	55.45 264	P	P	13 52 57.3 -1.7
Z44A	Pea Ridge, Bel	55.48 272	P	P	13 52 58.3 -1.4
PETK	Petropavlovsk-	55.49 8	P	P	13 52 58.3 -1.2
PETK	Petropavlovsk-		LR	LR	
PETK	Petropavlovsk-	55.49 8	eP	P	14 16 13.7
PETK	Petropavlovsk-		LR	LR	
PETK	Petropavlovsk-	55.49 8	eP	P	14 23 32.4
PETK	Petropavlovsk-	55.49 8	eP	P	13 53 01.4 +2.0
PETK	Petropavlovsk-		LR	LR	
PETK	Petropavlovsk-		LR	LR	
X39A	Fountain Ranch	55.52 276	P	P	13 53 00.1 +0.2
WVOR	Wild Horse Val	55.58 301	eP	P	13 53 00.7 +0.2
WVOR	Wild Horse Val		LR	LR	
WVOR	Wild Horse Val	55.58 301	eP	pmax	13 53 00.7 +0.2
WVOR	Wild Horse Val		MLR	MLR	
PET	Petropavlovsk	55.62 8	PFAKE	LR	13 53 10.0 +1.0
PET	Petropavlovsk		LR	LR	
PET	Petropavlovsk	55.62 8	eP	pmax	13 52 59.9 -0.4
PET	Petropavlovsk		LR	LR	
Y41A	Eagletree Beard	55.62 274	P	P	13 52 59.7 -1.0
249A	Camden	55.62 268	P	P	13 52 59.5 -1.1
146A	Union	55.63 270	eP	P	13 53 00.3 -0.4

146A	Union	55.63 270	P	P	13 52 59.4 -1.3
103D	Drain, OR	55.66 306	P	P	13 53 00.1 -0.7
454A	Quitman	55.67 264	P	P	13 53 00.4 -0.6
248A	Dixon Mills	55.71 269	P	P	13 53 01.1 -0.2
Y40A	Okolona	55.71 275	P	P	13 53 00.7 -0.6
557A	Orange Park	55.71 262	P	P	13 53 01.2 -0.1
453A	Whigham	55.76 265	P	P	13 53 01.9 +0.2
304D	Umpqua Nationa	55.77 304	P	P	13 53 00.7 -1.1
J51A	Pinckard	55.78 267	P	P	13 53 01.1 -0.7
P18A	Prexon Nutter	55.79 293	eP	P	13 53 01.9 -0.3
Z43A	Armstrong Farm	55.80 273	P	P	13 53 01.2 -0.8
MPU	Maple Canyon	55.84 294	eP	P	13 53 03.8 +1.4
350A	Dozier	55.88 267	P	P	13 53 01.7 -0.9
GRNR	Gornyy	55.91 24	eP	pmax	13 53 02.2 -0.3
K05A	Summer Lake	55.92 303	eP	P	13 53 03.4 +0.5
145A	Houston Renfro	55.94 271	eS	S	14 00 56.0 +0.3
556A	Lake Butler	55.94 263	P	P	13 53 02.3 -0.7
Z42A	Norrel Spur, H	55.97 273	P	P	13 53 03.1 0.0
555A	McAlpin	56.01 263	eP	P	13 53 06.5 +3.0
555A	McAlpin	56.01 263	P	P	13 53 02.5 -1.0
DUG	Dugway, Tooele	56.02 295	eP	P	13 53 03.6 0.0
DUG	Dugway, Tooele		LR	LR	
DUG	Dugway, Tooele	56.02 295	eP	pmax	13 53 03.6 0.0
DUG	Dugway, Tooele		MLR	MLR	
NLU	North Lily Min	56.02 295	eP	P	13 53 04.0 +0.2
247A	Quitman	56.02 270	P	P	13 53 02.9 -0.6
452A	Marianna	56.04 266	P	P	13 53 02.6 -1.1
144A	Alexander Plac	56.07 272	P	P	13 53 02.9 -1.0
P17A	Butcher Ranch,	56.08 293	eP	P	13 53 05.2 +1.2
SDCO	Great Sand Dun	56.10 288	eP	P	13 53 04.3 -0.1
SDCO	Great Sand Dun		LR	LR	
SDCO	Great Sand Dun	56.10 288	P	P	13 53 04.1 -0.3
658A	Bunnell	56.12 261	P	P	13 53 04.8 +0.6
657A	Interlachen	56.16 262	P	P	13 53 04.2 -0.3
349A	Repton	56.22 268	P	P	13 53 05.4 +0.4
K04D	Chiloquin, OR	56.25 304	P	P	13 53 04.0 -1.2
Z41A	Richland Creek	56.25 274	eP	P	13 53 06.5 +1.3
554A	Perdido	56.27 264	P	P	13 53 04.0 -1.3
J01D	Myrtle Point	56.32 306	P	P	13 53 04.9 -0.6
143A	Socs Landing,	56.32 273	eP	P	13 53 06.0 +0.4
143A	Socs Landing,	56.32 273	P	P	13 53 04.7 -0.9
T25A	Trinidad	56.33 287	eP	P	13 53 05.2 -0.8
T25A	Trinidad	56.33 287	P	P	13 53 04.6 -1.3
BRAL	Brewton	56.34 268	eP	P	13 53 07.2 +1.3
BRAL	Brewton		LR	LR	
BRAL	Brewton	56.34 268	P	P	13 53 05.3 -0.5
SRU	San Rafael Swe	56.35 293	eP	P	13 53 05.7 -0.4
SRU	San Rafael Swe	56.35 293	eP	pmax	13 53 05.7 -0.4
PV22	Blue Mesa, Par	56.36 291	eP	P	13 53 05.7 -0.5
TMUT	Trail Mountain	56.38 293	eP	P	13 53 06.6 +0.2
PV21	Cone Mtn., Par	56.40 291	eP	P	13 53 06.0 -0.4
553A	Crawfordville	56.41 265	P	P	13 53 03.5 -2.8
451A	Vernon	56.44 266	P	P	13 53 06.4 -0.1
Z40A	Long Farm, Mag	56.44 275	P	P	13 53 06.5 0.0
245A	Little AP, Sta	56.46 271	P	P	13 53 06.1 -0.6
VBMS	Vicksburg	56.48 272	eP	P	13 53 07.3 +0.5
VBMS	Vicksburg	56.48 272	P	P	13 53 05.9 -0.9
PV09	Paradox Valley	56.50 291	eP	P	13 53 07.3 0.0
S22A	4UR Ranch, Cre	56.50 289	eP	P	13 53 07.0 -0.4
S22A	4UR Ranch, Cre	56.50 289	P	P	13 53 06.2 -1.1
PV23	Carpenter Ridg	56.51 291	eP	P	13 53 07.0 -0.3
758A	Lake Helen	56.52 261	P	P	13 53 06.6 -0.6
MOD	Modoc Plateau	56.53 302	eP	P	13 53 07.4 +0.2
450A	Crestview	56.53 267	P	P	13 53 06.2 -1.0
ADK	Adak	56.55 349	eP	P	13 53 08.2 +1.2
ADK	Adak		LR	LR	
ADK	Adak	56.55 349	eP	pmax	13 53 08.2 +1.2
ADK	Adak		MLR	MLR	
TYV	Tymovskoe	56.56 20	eP	pmax	13 52 58.8 -8.4
PV12	Saucer Basin,	56.57 291	eP	P	13 53 07.4 -0.3
656A	Willston	56.57 263	P	P	13 53 07.1 -0.3
HUMO	Hull Mountain	56.58 305	eP	P	13 53 09.5 +2.1
PV14	Lion Creek, Pa	56.58 291	eP	P	13 53 07.5 -0.3
PV10	Paradox Valley	56.59 291	eP	P	13 53 08.1 +0.3
PV20	West Nyswonger	56.60 291	eP	P	13 53 08.4 +0.5
347A	Saraland	56.60 269	P	P	13 53 07.4 -0.3
PV11	David Mesa, Pa	56.61 291	eP	P	13 53 08.1 +0.2
PV16	Nyswonger Mesa	56.61 291	eP	P	13 53 07.7 -0.2
PV19	Morning Glory	56.63 291	eP	P	13 53 07.8 -0.3
142A	Monroe	56.63 273	P	P	13 53 08.0 +0.1
PV03	Paradox Valley	56.64 291	eP	P	13 53 07.8 -0.4

PV17	East Wray Mesa	56.65 291	eP	P	13 53 08.0 -0.3
PV02	Paradox Valley	56.65 291	eP	P	13 53 08.2 -0.1
PV18	Skein Mesa, Pa	56.67 291	eP	P	13 53 08.1 -0.3
655A	Horseshoe Beac	56.67 263	P	P	13 53 08.4 +0.2
PV01	Paradox Valley	56.67 291	eP	P	13 53 07.9 -0.5
K02D	Williams Mer	56.68 305	P	P	13 53 08.0 -0.3
244A	Avery, Jackson,	56.70 272	P		

30d 13h

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F40A	comp=Z,82nm,1.1s Park Falls baz=27	44.85 282 P	P	13 59 19.7 +1.8
SKAG	Skagway comp=Z,37nm,1.0s	44.85 325 eP	P	13 59 17.8 +0.1
G42A	Mountain comp=Z,46nm,1.0s	44.89 280 eP	P	13 59 17.4 -0.8
G42A	Mountain baz=27	44.89 280 P	P	13 59 20.9 +2.7
GHO	Glory Hole Cre comp=Z,39nm,1.0s	44.95 335 eP	P	13 59 18.5 -0.1
BMRM	Bremner River comp=Z,31nm,1.0s	45.07 331 eP	P	13 59 20.6 +1.1
DIV	Divide comp=Z,37nm,1.4s	45.10 332 eP	P	13 59 21.9 +2.2
F39A	Loretta baz=27	45.11 282 P	P	13 59 22.1 +2.1
PMR	Palmer comp=Z,29nm,1.1s	45.15 335 eP	P	13 59 19.9 -0.2
PMR	Palmer pmax	45.15 335 eP	pmax	13 59 19.9 -0.2
M54A	comp=Z,29nm,1.1s Oil Creek Stat baz=26	45.32 269 P	P	13 59 24.4 +2.7
F38A	Pierce - Schro baz=27	45.38 283 P	P	13 59 24.8 +2.7
G40A	Rib Lake baz=27	45.45 281 P	P	13 59 25.5 +2.8
SUA	Susitna One comp=Z,92nm,1.0s	45.50 336 eP	P	13 59 24.6 +1.6
SSPA	Standing Stone comp=Z,37nm,1.2s	45.51 267 eP	P	13 59 28.8 +5.7
SSPA	Standing Stone baz=26	45.51 267 P	P	13 59 26.9 +3.7
H42A	Shiocton baz=27	45.58 279 P	P	13 59 27.2 +3.6
BESE	Bessie Mountai comp=Z,21nm,1.0s	45.63 324 eP	P	13 59 25.5 +2.0
RAGM	Ragged Mountai comp=Z,12nm,1.3s	45.63 331 eP	P	13 59 21.8 -2.1
EYAK	Cordova Ski Ar comp=Z,33nm,1.2s	45.65 332 eP	P	13 59 26.5 +2.5
RC01	Rabbit Creek A comp=Z,99nm,1.0s	45.72 335 eP	P	13 59 25.6 +1.0
G39A	Holcombe baz=27	45.75 282 P	P	13 59 27.7 +2.7
JIS	Juneau Island comp=Z,26nm,1.0s	45.77 323 eP	P	13 59 25.5 +0.6
H41A	Junction City comp=Z,37nm,1.0s	45.85 280 eP	P	13 59 29.4 +3.6
H41A	Junction City baz=27	45.85 280 P	P	13 59 28.0 +2.2
SEY	Seymchan comp=Z,10.0nm,1.0s, baz=950,slow=10,SNR=4.0	45.99 12 eP	P	13 59 25.2 -1.5
SEY	Seymchan baz=27	45.99 12 eP	P	13 59 25.7 -0.9
G38A	Ridgeland baz=27	46.08 283 P	P	13 59 25.9 -1.7
H40A	Chili baz=27	46.09 281 P	P	13 59 26.2 -1.5
I42A	Draeger Farm, comp=Z,66nm,1.2s	46.25 279 eP	P	13 59 28.2 -0.8
I42A	Draeger Farm, baz=27	46.25 279 P	P	13 59 28.0 -1.0
H39A	Augusta baz=27	46.33 282 P	P	13 59 28.2 -1.3
SPMN	Marine on St. comp=Z,45nm,0.9s	46.33 284 eP	P	13 59 32.4 +2.8
SPMN	Marine on St. baz=27	46.33 284 P	P	13 59 28.7 -0.9
I41A	Arkdale comp=Z,49nm,1.2s	46.42 280 eP	P	13 59 33.7 +3.4
I41A	Arkdale baz=27	46.42 280 P	P	13 59 27.7 -2.5
J43A	Natural Harves baz=26	46.55 279 P	P	13 59 30.6 -0.6
H38A	Malden Rock baz=27	46.65 283 P	P	13 59 32.8 +0.6
I40A	Norwalk baz=26	46.81 281 P	P	13 59 32.8 -0.6
J42A	Columbus baz=26	46.83 279 P	P	13 59 32.4 -1.1
MKAR	Makanchi Array comp=Z,12nm,0.5s,baz=332,slow=8.8,SNR=4.1	46.99 70 eP	P	13 59 34.9 +0.2
MKAR	Makanchi Array pmax	46.99 70 eP	pmax	13 59 35.2 +0.4
GEYT	Alibek comp=Z,6.6nm,1.0s,baz=12,slow=7.4,SNR=2.7	47.02 97 P	P	13 59 36.8 +1.7
WRAK	Wrangell Islan comp=Z,19nm,1.1s	47.08 321 eP	P	13 59 38.0 +2.8
J41A	Loganville baz=26	47.08 280 P	P	13 59 34.1 -1.4
K43A	Burlington baz=26	47.12 278 P	P	13 59 33.6 -2.2
I39A	Houston comp=Z,49nm,1.1s	47.14 282 eP	P	13 59 35.1 -0.8
I39A	Houston baz=26	47.14 282 P	P	13 59 34.4 -1.5
BRLK	Bradley Lake comp=Z,35nm,1.0s	47.16 335 eP	P	13 59 36.5 +0.6
I38A	Scanlan Farm, baz=26	47.23 282 P	P	13 59 35.8 -0.8
J40A	Soldiers Grove baz=26	47.29 281 P	P	13 59 35.9 -1.3
K42A	Prairie Point, baz=26	47.39 279 P	P	13 59 36.8 -1.1
H35A	Sunnyside Ranc baz=26	47.46 285 P	P	13 59 37.2 -1.2
JFWS	Jewell Farm comp=Z,43nm,1.0s	47.56 280 eP	P	13 59 38.6 -0.6
JFWS	Jewell Farm pmax	47.56 280 eP	pmax	13 59 38.6 -0.6
I37A	comp=Z,43nm,1.0s Lemond, Waseca	47.60 283 eP	P	13 59 43.2 +3.7
I37A	comp=Z,105nm,1.1s Lemond, Waseca	47.60 283 P	P	13 59 41.3 +1.8
J39A	Decorah baz=26	47.66 281 P	P	13 59 42.0 +2.0
L43A	Garden Prairie baz=26	47.72 278 P	P	13 59 43.7 +3.2
K41A	Shullsburg baz=26	47.86 280 P	P	13 59 40.4 -1.1
MOY	MOY pmax	48.03 52 eP	pmax	13 59 43.0 +0.1
K40A	comp=Z,79nm,1.6s Colesburg	48.05 281 P	P	13 59 41.1 -1.9
L42A	Oliver, Polo comp=Z,28nm,0.9s	48.19 279 eP	P	13 59 48.0 +3.9
L41A	Preston baz=26	48.40 280 P	P	13 59 43.5 -2.2
M43A	Waltham Townsh baz=26	48.46 278 P	P	13 59 44.6 -1.5
L39A	Anamosa baz=26	48.64 280 P	P	13 59 46.8 -0.8
L40A	Vinton baz=26	48.84 281 P	P	13 59 51.5 +2.3
ECSD	EROS Data Cent comp=Z,20nm,0.9s	48.89 286 eP	P	13 59 52.5 +3.0
ECSD	EROS Data Cent baz=26	48.89 286 P	P	13 59 52.0 +2.5
SUSD	Miller baz=26	49.00 288 P	P	13 59 52.6 +2.3
M41A	Milan baz=25	49.04 279 P	P	13 59 53.1 +2.5
O45A	Potomac baz=25	49.12 276 P	P	13 59 54.1 +2.8
K36A	Gilmore City baz=25	49.18 283 P	P	13 59 55.0 +3.3
LAO	LASA Array comp=Z,29nm,1.1s	49.22 296 eP	P	13 59 55.2 +3.2
LAO	LASA Array baz=25	49.22 296 P	P	13 59 55.1 +3.0
WALA	Waterton Lakes comp=Z,30nm,0.8s	49.30 303 eP	P	13 59 51.9 -0.8
KDAK	Kodiak Island comp=Z,30nm,0.8s	49.31 336 eP	P	13 59 50.8 -1.7
M42A	Kodiak Island Post Highland baz=25	49.33 280 P	P	13 59 55.9 +3.0
N40A	Yates City baz=25	49.36 278 P	P	13 59 51.9 -1.2
HDIL	Hopedale comp=Z,30nm,0.8s	49.37 278 eP	P	13 59 58.4 +5.3
SCIA	State Center comp=Z,56nm,0.9s	49.44 282 eP	P	13 59 58.5 +4.8
O44A	Mansfield baz=25	49.46 277 P	P	13 59 52.7 -1.2
M39A	Webster baz=25	49.48 281 P	P	13 59 52.5 -1.5

N41A	Harden Midland comp=Z,51nm,1.0s	49.74 279 eP	P	13 59 59.4 +3.4
N41A	Harden Midland baz=25	49.74 279 P	P	13 59 54.4 -1.6
P45A	Graceland, Par comp=Z,34nm,1.2s	49.78 276 eP	P	14 00 01.9 +5.7
P45A	Graceland, Par baz=25	49.78 276 P	P	13 59 54.7 -1.6
O42A	Bath baz=25	49.95 278 P	P	13 59 57.0 -0.6
LLLL	Lillooet comp=Z,65nm,1.3s	50.01 310 eP	P	14 00 00.3 +2.3
N39A	Devils Farms, D baz=25	50.13 281 P	P	13 59 56.9 -2.0
P43A	Skaggs, Panwee baz=25	50.27 277 P	P	13 59 58.0 -1.9
O41A	Passleys Farm, baz=25	50.28 279 P	P	13 59 57.5 -2.6
P42A	Winchester comp=Z,34nm,1.1s	50.59 278 eP	P	14 00 05.1 +2.7
P42A	Winchester baz=25	50.59 278 P	P	13 59 59.1 -3.3
JTMT	Jette comp=Z,15nm,0.8s	50.60 303 eP	P	14 00 04.7 +2.1
N37A	Lee Faris, Mou comp=Z,31nm,1.0s	50.79 282 eP	P	14 00 08.1 +4.1
HRY	Holler Researc comp=Z,26nm,1.0s	50.84 300 eP	P	14 00 07.4 +2.9
NEW	Newport comp=Z,15nm,1.1s	50.91 305 eP	P	14 00 07.2 +2.4
NEW	Newport pmax	50.91 305 eP	pmax	14 00 07.2 +2.4
NEW	Newport pmax	50.91 305 P	pmax	14 00 03.4 -1.4
S48A	Wiedeman Farm, baz=24	50.91 273 P	P	14 00 04.0 -0.9
U53A	Fall Branch baz=24	50.93 269 P	P	14 00 06.8 +1.7
Q43A	New Douglas baz=24	50.96 277 P	P	14 00 06.9 +1.7
R45A	Skylar, Fairir baz=24	51.08 275 P	P	14 00 04.6 -1.5
TZTN	Tazewell comp=Z,45nm,1.5s	51.09 270 eP	P	14 00 07.8 +1.6
TZTN	Tazewell baz=24	51.09 270 P	P	14 00 07.3 +1.0
Q42A	Golden Eagle baz=25	51.26 278 P	P	14 00 06.0 -1.4
WMQ	Urumqi pP	51.33 67 P	P	14 00 09.5 +1.4
WMQ	Urumqi sP	51.33 67 P	sP	14 00 17.0 +1.7
WMQ	Urumqi pmax	51.33 67 P	pmax	14 00 22.8 +1.0
MSO	Missoula comp=Z,86nm,1.5s	51.34 302 P	P	14 00 05.7 -2.4
B08A	Colville Reser comp=Z,34nm,1.1s	51.41 307 eP	P	14 00 10.6 +2.0
Q41A	Truxton comp=Z,34nm,1.1s	51.45 278 P	P	14 00 06.2 -2.7
KSH	Kashi pP	51.50 80 eP	pP	14 00 11.0 +1.6
KSH	Kashi sP	51.50 80 eP	sP	14 02 09.0 +2.6
KSH	Kashi SS	51.50 80 eP	SS	14 07 27.3 -1.4
KSH	Kashi SS	51.50 80 eP	SS	14 11 01.0 -3.1
T48A	Bowling Green baz=24	51.52 273 P	P	14 00 08.5 -1.0
RLMT	Red Lodge comp=Z,13nm,0.8s	51.54 297 eP	P	14 00 12.6 +2.7
RLMT	Red Lodge comp=Z,13nm,0.8s	51.54 297 P	P	14 00 09.6 -0.2
KMSC	Kings Mountain comp=Z,18nm,1.1s	51.63 267 eP	P	14 00 15.8 +5.5
U50A	Jamestown comp=Z,10nm,1.0s	51.64 271 P	P	14 00 09.3 -1.0
V53A	Saluda comp=Z,19nm,0.9s	51.64 269 eP	P	14 00 15.4 +5.0
Q40A	Laux Farm, Aux comp=Z,9.6nm,1.0s	51.69 279 P	P	14 00 07.9 -2.8
BOZ	Bozeman (W) comp=Z,9.6nm,1.0s	51.80 300 eP	P	14 00 12.3 +0.6
BOZ	Bozeman (W) pmax	51.80 300 eP	pmax	14 00 12.3 +0.6
BOZ	Bozeman (W) pmax	51.80 300 eP	pmax	14 00 11.1 -1.4
LRM	Limekiln Ridge comp=Z,10nm,1.0s	51.83 300 eP	P	14 00 14.6 +2.6
G39A	Willow Grove F baz=24	51.94 280 P	P	14 00 11.1 -1.4
S44A	Carbondale baz=24	51.94 276 P	P	14 00 10.8 -1.7
U48A	Cassie Pea, Po baz=24	52.11 273 P	P	14 00 12.5 -1.4
Q35A	Cullowhee baz=24	52.21 269 P	P	14 00 18.8 +4.0
W38A	Cooks Store, C baz=24	52.23 281 P	P	14 00 12.5 -2.2
CCM	Cathedral Cave baz=24	52.27 278 P	P	14 00 13.0 -2.0
DLMT	Dillon comp=Z,14nm,1.1s	52.29 300 eP	P	14 00 16.4 +1.1
YHH	Holmes Hill comp=Z,13nm,1.0s	52.31 298 eP	P	14 00 18.4 +2.8
S42A	Caledonia baz=24	52.38 277 P	P	14 00 15.4 -0.5
R40A	Maddies Statio comp=Z,28nm,1.0s	52.39 279 eP	P	14 00 16.0 0.0
R40A	Maddies Statio baz=24	52.39 279 P	P	14 00 13.5 -2.4
QLMT	Earthquake Lak Horse Butte comp=Z,21nm,1.0s	52.44 299 eP	P	14 00 19.0 +2.5
Y49A	McMinnville comp=Z,21nm,1.0s	52.45 299 eP	P	14 00 19.7 +3.1
H17A	Grant Village comp=Z,23nm,0.9s	52.58 272 P	P	14 00 16.0 -1.4
H17A	Grant Village baz=24	52.59 298 eP	P	14 00 17.3 -0.4
T44A	Benton comp=Z,27nm,1.8s	52.60 276 P	P	14 00 17.4 -0.2
R39A	Chumby, Stover baz=24	52.62 280 P	P	14 00 15.4 -2.3
W51A	Cleveland baz=24	52.75 271 P	P	14 00 19.5 +0.9
YPP	Pitchstone Pla comp=Z,18nm,1.0s	52.77 298 eP	P	14 00 22.9 +3.9
S41A	Jill Farms, baz=24	52.86 278 P	P	14 00 16.9 -2.5
X53A	Estanolee baz=23	52.87 269 P	P	14 00 19.6 +0.1
V48A	Smith Brothers comp=Z,59nm,1.8s	52.91 273 eP	P	14 00 22.4 +2.7
V48A	Smith Brothers baz=24	52.91 273 P	P	14 00 17.5 -2.3
FLWY	Flagg Ranch comp=Z,16nm,0.8s	52.91 298 eP	P	14 00 20.3 +0.3
K22A	Casper baz=24	52.97 294 P	P	14 00 16.6 -3.8
R38A	Fenwick Farm, baz=24	53.02 280 P	P	14 00 18.2 -2.4
E08A	Dider Farm, El comp=Z,20nm,1.0s	53.06 306 eP	P	14 00 23.1 +2.3
ULN	Ulanbaatar pmax	53.08 491 eP	pmax	14 00 20.8 -0.3
ULN	Ulanbaatar pmax	53.08 491 eP	pmax	14 00 20.8 -0.3
S40A	Lebanon comp=Z,31nm,1.5s	53.10 279 P	P	14 00 18.9 -2.2
OGNE	Ogallala comp=Z,73nm,1.0s	53.13 289 eP	P	14 00 25.9 +4.4
T42A	Van Buren baz=24	53.15 277 P	P	14 00 22.9 +1.4
IMW	Indian Meadow comp=Z,16nm,0.9s	53.15 298 eP	P	14 00 24.0 +2.2
D03D	Eldon baz=22	53.15 310 P	P	14 00 18.6 -2.8
E07A	Sunnyside comp=Z,42nm,1.0s	53.21 307 eP	P	14 00 24.7 +2.8
MOOW	Moose Ponds comp=Z,59nm,1.8s	53.23 298 eP	P	14 00 23.6 +1.2
Y54A	Tignall baz=23	53.25 268 P	P	14 00 20.8 -1.5
HAWA	Hanford comp=Z,121nm,1.9s	53.28 306 eP	P	14 00 24.9 +2.5
S39A	Bolivar comp=Z,100nm,1.7s	53.28 280 eP	P	14 00 24.4 +1.9
S39A	Bolivar baz=24	53.28 280 P	P	14 00 21.9 -0.6
V46A	Holiday baz=24	53.28 274 P	P	14 00 19.9 -2.7
W49A	Belvidere baz=24	53.29 272 P	P	14 00 23.3 +0.7

LOHW	Long Hollow comp=Z,6.8nm,0.9s	53.31 298 eP	P	14 00 25.8 +2.8
X51A	Calhoun baz=23	53.33 270 P	P	14 00 21.8 -1.1
T41A	Mountain View baz=24	53.36 278 P	P	14 00 24.1 +1.0
FXWY	Fox Creek comp=Z,8.8nm,1.0s	53.41 298 eP	P	14 00 25.6 +1.8
NLWA				

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Paradox Valley, Modoc Plateau, Lion Creek, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Goldstone, Laurel Mtn Rad, Isabella, Lake, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ARAC, ARAC, GUC 30, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include W13A Hualapai Mount, Q41A Truxton, IRM Iron Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include O47A Sheridan, MPMC Manual Prospec, M43A Waltham Townsh, etc.

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

MEX JO 15:24:23.0, 9.1647N-98.32W, h10km, 99gkm, MD3.7, Near coast of Guerrero...
ISCJBJ 30 15:25:39.9, 0.5, 50.28S, 0.08, 114.1E, 0.2, h10km, mb4.4/15, Error ellipse: s-maj=19.2km s-min=9.4km az=19.3

2012 AUG

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Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DPDB, NACB, WHF, WSF, RLNB, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like JISG, PTMZ, PTTC, KNM, etc.

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

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Las Campanas, Copiap, La Serena, etc.

MAN 30 18:59:34.6, 9.84N, 122.87E, h1km, mb4.5, ML3.4, MS3.2, 1C, Negros

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Jordan, Dipolog City, Maasin, Pagadian.

MOS 30 19:00:05.0, 1.3, 7.83S, 128.58E, h33km, mb4.8/20, Error ellipse: s-maj=16.8km s-min=7.7km az=111.4

ISCJB 30 19:00:05.0, 0.2, 8.00S, 0.02, 128.73E, 0.03, h44km, mb4.6/44, MS3.9/8, Error ellipse: s-maj=3.0km s-min=3.3km az=163.9

IDC 30 19:00:07.5, 1.7, 7.77S, 128.67E, h45km, 15km, mb4.3/18, mb1.4/18, mb1mx4.2/55, mb1mp4.6/18, ML5.3/1, MS3.7/10, Ms1 3.7/10, ms1mx3.4/55, Error ellipse: s-maj=15.0km s-min=11.2km az=73.0

NEIC 30 19:00:08.4, 1.5, 7.81S, 128.65E, h52km, 13km, mb5.1/8, Error ellipse: s-maj=11.9km s-min=7.2km az=61.0

DJA 30 19:00:09.0, 0.2, 12.92S, 12.92E, h4km, 5km, M4, 9/29, mb5.3/20, mb5.1/28, ML5.5/14, Mw(mb)4.7/20

KLM 30 19:00:12.0, 8.06S, 128.74E, h74km, mb5.0, Error ellipse: s-maj=3.0, 3.0, 8.01S, 0.04, 128.76E, 0.04, h44km, n171, z=201/165, mb4.6/43, MS3.5/8, 2C-9D, Timor Sea

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Saumlaki, Ambon, Masohi, Soe, Namlea, etc.

Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TTTI, FITZ, FITZ, MRSI, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LSA, ODAN, ASAJ, RAMM, etc.

30d 20h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ATKA Atka Island, KOKL Mount Kilu chief, KOWE Korovin West, etc.

2012 AUG

Table with columns for station name, frequency, power, and other technical details. Includes stations like NEW, HIA Hairair, WALA Waterlons Lakes, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH Kashi, KSH Kashi, KSH Kashi, etc.

ADC 30 20:15:30.1z:0.7,39:08N:49:17E, h0km, mb4.1/18, mb1.3/24, mb1mx4.1/68, mbtmp4.2/24, ML3.8/5, MS3.1/3, ...

30Z 21h

Table of station data for 30Z 21h, including columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ICAO code. Stations include Azarshahr, Maasin, Butuan, Borongan, Ormoc, Musuan, etc.

Table for MAN 30 21:21:13.9, 10:28N:125:39E, h10km, mb4.0, ML2.8, MS2.4, 1C, Leyte. Includes station data for SCPH Surigao.

2012 AUG

Table of station data for 2012 AUG, including columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ICAO code. Stations include Maasin, Butuan, Borongan, Ormoc, Musuan.

IDC 30 21:21:21.4:1.5, 19:98N:120:93E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/7.1, mbtmp3.7/5, Error ellipse: s-maj=64.7km s-min=20.4km az=58.0, Philippine Islands region

Table of station data for IDC 30 21:21:21.4:1.5, 19:98N:120:93E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/7.1, mbtmp3.7/5, Error ellipse: s-maj=64.7km s-min=20.4km az=58.0, Philippine Islands region.

ISCJB 30 21:22:21.0:5.7, 1:46N:103:9:1W, 0.1, h10km, mb3.3/4, MS3.3/2, Error ellipse: s-maj=6.1km s-min=3.8km az=177.3

Table of station data for ISCJB 30 21:22:21.0:5.7, 1:46N:103:9:1W, 0.1, h10km, mb3.3/4, MS3.3/2, Error ellipse: s-maj=6.1km s-min=3.8km az=177.3.

ISCJB 30 21:28:22.7:1.2, 71:44N:9:07W, h0km, mb3.4/4, mb1 3.7/10, mb1mx3.4/8.1, mbtmp3.6/10, ML3.5/6, MS3.3/3, Ms1 3.3/3, ms1mx2.6/5.9, Error ellipse: s-maj=24.7km s-min=9.9km az=75.0

Table of station data for ISCJB 30 21:28:22.7:1.2, 71:44N:9:07W, h0km, mb3.4/4, mb1 3.7/10, mb1mx3.4/8.1, mbtmp3.6/10, ML3.5/6, MS3.3/3, Ms1 3.3/3, ms1mx2.6/5.9, Error ellipse: s-maj=24.7km s-min=9.9km az=75.0.

ISCJB 30 21:28:25.5:1.9, 71:23N:9:62W, h0km, 12km, ML3.7, BER 30 21:28:23.1:0.7, 71:33N:10:06:9:36W, 0.06, h10km, n39, ISC 30 25:43, mb3.3/4, 3C, Jan Mayen Island region

Table of station data for ISCJB 30 21:28:25.5:1.9, 71:23N:9:62W, h0km, 12km, ML3.7, BER 30 21:28:23.1:0.7, 71:33N:10:06:9:36W, 0.06, h10km, n39, ISC 30 25:43, mb3.3/4, 3C, Jan Mayen Island region.

ISCJB 30 21:32:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISCJB 30 21:32:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISCJB 30 20:56:24.8:2.1, 21:55S:0:4:170:0E:0.1, h36km, mb3.6/4, MS3.4/1, Error ellipse: s-maj=55.1km s-min=15.7km az=3.1

Table of station data for ISCJB 30 20:56:24.8:2.1, 21:55S:0:4:170:0E:0.1, h36km, mb3.6/4, MS3.4/1, Error ellipse: s-maj=55.1km s-min=15.7km az=3.1.

ISC 30 21:28:52.9:0.8, 3:33N:0:08:92:74E:0.06, h33km, mb4.1/6, MS3.4/2, Error ellipse: s-maj=13.1km s-min=6.0km az=35.2

Table of station data for ISC 30 21:28:52.9:0.8, 3:33N:0:08:92:74E:0.06, h33km, mb4.1/6, MS3.4/2, Error ellipse: s-maj=13.1km s-min=6.0km az=35.2.

ISC 30 21:28:53.0:3.4, 3:72N:92:76E, h0km, mb4.1/2, mb1 4.1/5, mb1mx3.5/7.8, mbtmp4.1/5, ML3.8/3, MS3.4/2, Ms1 3.4/2, ms1mx2.7/7.1, Error ellipse: s-maj=70.5km s-min=33.3km az=18.0

Table of station data for ISC 30 21:28:53.0:3.4, 3:72N:92:76E, h0km, mb4.1/2, mb1 4.1/5, mb1mx3.5/7.8, mbtmp4.1/5, ML3.8/3, MS3.4/2, Ms1 3.4/2, ms1mx2.7/7.1, Error ellipse: s-maj=70.5km s-min=33.3km az=18.0.

1484

Table of station data for 1484, including columns for Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ICAO code. Stations include Chiang Mai, Sakolnkor, Nong Nongkai, Diego Garcia H, Diego Garcia H, Diego Garcia H, Diego Garcia H, Lhasa, Enshim, Machanchi Aray, Sakolnkor, Korea Aray, Talaya, ZALV Zalevno Beam, CTAO Charters Tower.

CASC 30 21:30:19.7:2.9, 12:44N:88:37W, h137km, 42km, MD3.6, ML3.2, Off coast of central America

Table of station data for CASC 30 21:30:19.7:2.9, 12:44N:88:37W, h137km, 42km, MD3.6, ML3.2, Off coast of central America.

ISCJB 30 21:32:48.9:0.1, 24:42N:122:89E, h93km, 2km, M2.4, TAP 30 21:32:48.5, 24:46N:122:94E, h96km, ML3.1, C

Table of station data for ISCJB 30 21:32:48.9:0.1, 24:42N:122:89E, h93km, 2km, M2.4, TAP 30 21:32:48.5, 24:46N:122:94E, h96km, ML3.1, C.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9

Table of station data for ISC 30 21:52:49.3:1.3, 24:21N:104:42:12E, 0.02, h90km, 7km, Error ellipse: s-maj=4.1km s-min=2.4km az=175.9.

Table with columns: NRK, Nori'sk, 79.12 352 LR, 23 40 04.2, etc.

ISCJB 30 22:55:20.8±1.0, 30.95S±0.03; 70.25W±0.05, h120km, 10km, Error ellipse: s-maj=7.6km s-min=5.6km az=4.9

GUC 30 22:55:20.1±0.6, 30.93S±0.18W, h108km, 19km, ML2.9, SJA 30 22:55:20.1±0.7, 31.06S±0.15W, h139km, 8km, ML2.5, MV2.8

ISC 30 22:55:21.6±1.8, 30.95S±0.04; 70.26W±0.06, h112km, 16km, n12, ±0.63/22, 1C, Chile-Argentina border region

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

IDC 30 22:57:13.9±1.5, 33.96N±25.15E, h0km, mb3.4/2, mb1 3.5/4, mb1mx3.1/71, mbtmp3.3/4, ML3.6/2, Error ellipse: s-maj=29.0km s-min=2.4km az=134.0

ATH 30 22:57:14.6, 33.95N±25.10E, h19km, 2km, ML3.0/2, Error ellipse: s-maj=5.0km s-min=2.5km az=10.0

THE 30 22:57:18.2±3.4, 09N±25.10E, h4km, 5km, ML2.9/4, Error ellipse: s-maj=6.1km s-min=1.8km az=161.0

ISC 30 22:57:15.6±1.4, 33.97N±0.07; 25.17E±0.05, h19km, 3km, n18, ±1926/29, Eastern Mediterranean Sea

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

ISCJB 30 23:00:32.5±0.3, 3.33S±0.03; 80.02W±0.03, h33km, mb4.6/93, Error ellipse: s-maj=5.1km s-min=3.7km az=140.4

IGQ 30 23:00:35.2±0.3, 3.8S±8.0W, h9km, 7km, MLv5, 0/3, NEIC 30 23:00:39.3±0.5, 3.01S±79.43W, h82km, 5km, mb4.6/90, ML4.9(IGQ), Error ellipse: s-maj=6.0km s-min=3.6km az=62.0

NEIC Felt at Cuenca, Machala and Zaruma. IDC 30 23:00:39.4±2.2, 3.06S±79.43W, h87km, 22km, mb4.0/12, mb1 4.2/17, mb1mx3.9/52, mbtmp4.4/17, MS3.5/3, Ms1 3.5/3, ms1mx2.9/45, Error ellipse: s-maj=23.1km s-min=14.2km az=51.0

ISC 30 23:00:32.5±0.3, 3.40S±0.08; 79.74W±0.08, h37km, n186, ±171/182, mb4.6/93, Near coast of Ecuador

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

Main table with columns: ARDO, Archidona, Ten, 3.07 39 P, 23 01 20.4 ±1.8, etc.

Main table with columns: PV12, Saucer Basin, 49.46 330 eP, 23 09 20.2 ±0.9, etc.

31d Oh

JMA 31 00:02:20.70.6.44.68N.148.35E,h125km,M3.5
ISC 31 00:02:18.6.2.6.44.9N.0.2.148.4E.0.2,h132km,n9,
e215/16,Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, SHO Shikotan, YUK Yuzh-Kuril'sk, NEM Nemuro 2, etc.

KRSC 31 00:12:39.2.1.1.49.67N.156.77E,h65km,27km,ML3.7, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khodutka, etc.

NEIC 31 00:19:05.3.0.0.19.74N.64.19W,h30km,MD2.6(RSPR), After RSPR

RSPR 31 00:19:05.3.19.74N.64.19W,h30km,23km,MD2.6/3,6C, Virgin Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ABV Anegada, CUPR Culebra, MTP Monte Pirata, etc.

KRSC 31 00:26:23.1.1.8.49.28N.156.66E,h6km,23km,ML3.7, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, PAU Pauzhetka, KDR Khodutka, etc.

ISCJB 31 00:35:33.7.0.2.3.89N.0.05.32.22W.0.03,h10km, mb4.8/139,MS4.5/61, Error ellipse: s-maj=6.7km

MOS 31 00:35:33.8.0.9.3.91N.32.21W,h10km,mb4.9/33, MS4.5/5, Error ellipse: s-maj=1.4km s-min=6.6km

IDC 31 00:35:33.6.0.6.3.85N.32.14W,h0km,mb4.3/18, mb1.4.5/19,mb1mx4.2/71,mbtp4.4/19,ML5.3/1,MS4.5/51, Ms1.4.5/51,ms1mx4.4/57, Error ellipse: s-maj=19.7km

NEIC 31 00:35:35.7.0.2.3.81N.32.16W,h10km,mb4.9/98, Error ellipse: s-maj=6.5km s-min=4.1km az=169.0

GCMT 31 00:35:39.7.0.1.3.96N.0.01.32.24W.0.01,h12km, MW5.3/120, Moment Tensor Solution. s97,c162;

s120,c244; Duration: 1s1 Moment tensor: Scale 1017 Nm; Mw=0.01; M0=102.02; Mw=0.10; 02; Mw=0.02; Mw=0.04; Best double couple: M0.193000.1017, NP1.357.00000.886.00000,

ISC 31 00:35:35.2.0.3.3.64N.0.06.32.20W.0.07,h10km,n417, #152/371,mb4.8/138,MS4.6/61,33C-10D,Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RCBR Riachuelo, H10N2 ASCENSION HYDR21.03, etc.

2012 AUG

Main table with columns: TIC, DBIC, PTGA, KOWA, H05S1, H05N1, FUL, PMOZ, PMAR, SHEL, SHEL, TORO, TORD, ABVI, CDVI, STVI, CUPR, MTP, BYP, ICMIP, OBIP, CPUP, CPUP, MDT, PVAQ, PVAQ, PVAQ, LAZ, TAM, TAM, TAM, ROSC, PMRV, PMRV, MTE, MVO, PGAV, PGAV, ESDC, ESDC, ES19, ES19, CART, H09W1, GTBY, NNA, TRQA, TRQA, KEST, KEST, G004, GGN, CLTB, TRY, R58B, N59A, TSUM, VAE, BLA, BLA, O56A, O56A, Z54A, DOU, AQU, AQU, AQU, AQU, G006, G006, DAVOX, BG3, PLCA, CUC, FUORN, FUORN, V53A. Includes station names like Dimbokro, Dimbokro, Dimbokro, Kusan Boka, Pitinga, Kowa, Guadeloupe, Funchal, Porto Moniz, Madeira, Horse Pasture, Torodi Ar. Sit, Torodi Ar. Sit, Anegada Island, St. Croix, Saint Thomas, Culebra, Monte Pirata, Canovanas, Isla Caja de M, Obispo Ponce, Villa Florida, Villa Florida, Villa Florida, Midelt, Vaqueiros, La Paz, Tamarrasset, Tamarrasset, Tamarrasset, El Rosal, Marv??, Manteigas, Moncorvo, MVO, Gaveira, Gaveira, Sonseca Array, Sonseca Array, Sonseca Array, Sonseca Array, TRISTAN DA CUN, Guantanamo Bay, Nana, Torquart, Torquart, Kesra, Tolo Europe, Saint George, Catabellota, Mineral, State Game Lan, Valguarnera, Blacksburg, Blacksburg, Blue Knob Stat, Blue Knob Stat, Sparta, Dourbes, L'Aquila, L'Aquila, L'Aquila, L'Aquila, Curarrehue, Curarrehue, Davos/Dischmat, Davos/Dischmat, Lake Jocassee, Paso Flores, Casirocuro, Ofenpass-Fuorn, Ofenpass-Fuorn, Saluda.

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Table with columns: U53A, DAVA, EKA, M54A, MEM, FETA, P53A, U52A, RETA, TKL, 251A, MOTA, 151A, Q52A, BANO, WTTA, P52A, V51A, CPCT, ABTA, S51A, T51A, TRI, TRI, TRI, 150A, R51A, JAVS, W50A, X50B, SCHO, MYKA, ACSO, APG, Z49A, VISS, Y49A, SWET, BOJS, P50A, GRFO, GRFO, X49A, OBKA, LRAL, V49A, W49A, U49A, LSQQ, SOKA, PERS, R49A, Q49A, Q49A, EFI, EFI, MOA, W48A, V48A, V48A, GEA0, GEA2, GEC2, GEC2, GERES, GERES, U48A, S48A, KHC, KHC, KHC, KHC, KHC, KHC, Z47A, ARSZA, Y47A, PDG, PDG, WCI, WCI, WCI, WCI, W47A, U47A.

Table with columns: ID, Name, Location, Date, Time, Status, and other details. Includes entries like T47A Sharon Grove, R47A Sharon Grove, S47A Hartford, etc.

Table with columns: ID, Name, Location, Date, Time, Status, and other details. Includes entries like U40A Yellville, UZH Uzhgorod, U40A Lebanon, etc.

Table with columns: ID, Name, Location, Date, Time, Status, and other details. Includes entries like VNA3 Neumayer Olymp, VNA3 NEY, VNA3 NEY, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like PB09, PB05, PB10, PB01, PB02, PB03, PB04, PB07, PB08, PB11, PB12, PB13, PB14, PB15, PB16, PB17, PB18, PB19, PB20, PB21, PB22, PB23, PB24, PB25, PB26, PB27, PB28, PB29, PB30, PB31, PB32, PB33, PB34, PB35, PB36, PB37, PB38, PB39, PB40, PB41, PB42, PB43, PB44, PB45, PB46, PB47, PB48, PB49, PB50, PB51, PB52, PB53, PB54, PB55, PB56, PB57, PB58, PB59, PB60, PB61, PB62, PB63, PB64, PB65, PB66, PB67, PB68, PB69, PB70, PB71, PB72, PB73, PB74, PB75, PB76, PB77, PB78, PB79, PB80, PB81, PB82, PB83, PB84, PB85, PB86, PB87, PB88, PB89, PB90, PB91, PB92, PB93, PB94, PB95, PB96, PB97, PB98, PB99, PB100.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like TAP 31, IDC 31, ISC 31, Code 31, Station Name 31, Az 31, Az' 31, Phase 31, ID 31, Op 31, ISC 31, h 31, m 31, s 31, ISC 31, Time 31, Res 31.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SSLB, SSLB, WJWS, WJWS, TYC, TYC, APYP, APYP, WSF, WSF, WNT, WNT, CHGB, CHGB, WDGJ, WDGJ, NACB, NACB, DPDB, DPDB, WHF, WHF, RLNB, RLNB, VCHM, VCHM, WTCT, WTCT, TDCB, TDCB, WCHH, WCHH, PHUB, PHUB, PNG, PNG, ABRA, ABRA, NNS, NNS, EOSI, EOSI, YOJ, YOJ, TWC, TWC, PTBS, PTBS, YHNB, YHNB, NSK, NSK, LIOB, LIOB, NWLT, NWLT, TIPB, TIPB, YM10, YM10, VWUC, VWUC, YULB, YULB, YGSG, YGSG, HGSJ, HGSJ, EHY, EHY, CHN1, CHN1, WTP, WTP, WTP, WTP, SGCP, SGCP, TPUB, TPUB, TAI1, TAI1, TAI1, TAI1, YUS, YUS, YUS, YUS, TWK, TWK, TWK, TWK, EGFH, EGFH, ALS, ALS, SCLT, SCLT, ESL, ESL, CHN5, CHN5, CHN5, CHN5, CHN6, CHN6, CHN6, CHN6, CHY, CHY, CHY, CHY, CHN2, CHN2, CHN2, CHN2.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like IDC 31, mb1 4.1, mb1mx3.6, mbtm3.9, ML4.4, Error ellipse s-maj=14.8km s-min=25.1km az=125.0, Admiralty Islands region.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like TAP 31, IDC 31, ISC 31, Code 31, Station Name 31, Az 31, Az' 31, Phase 31, ID 31, Op 31, ISC 31, h 31, m 31, s 31, ISC 31, Time 31, Res 31.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SSLB, SSLB, WJWS, WJWS, TYC, TYC, APYP, APYP, WSF, WSF, WNT, WNT, CHGB, CHGB, WDGJ, WDGJ, NACB, NACB, DPDB, DPDB, WHF, WHF, RLNB, RLNB, VCHM, VCHM, WTCT, WTCT, TDCB, TDCB, WCHH, WCHH, PHUB, PHUB, PNG, PNG, ABRA, ABRA, NNS, NNS, EOSI, EOSI, YOJ, YOJ, TWC, TWC, PTBS, PTBS, YHNB, YHNB, NSK, NSK, LIOB, LIOB, NWLT, NWLT, TIPB, TIPB, YM10, YM10, VWUC, VWUC, YULB, YULB, YGSG, YGSG, HGSJ, HGSJ, EHY, EHY, CHN1, CHN1, WTP, WTP, WTP, WTP, SGCP, SGCP, TPUB, TPUB, TAI1, TAI1, TAI1, TAI1, YUS, YUS, YUS, YUS, TWK, TWK, TWK, TWK, EGFH, EGFH, ALS, ALS, SCLT, SCLT, ESL, ESL, CHN5, CHN5, CHN5, CHN5, CHN6, CHN6, CHN6, CHN6, CHY, CHY, CHY, CHY, CHN2, CHN2, CHN2, CHN2.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include BRVK Borovoye, AKTO Aktyubinsk, STKA Stephens Creek, BRTR Keskin Array B, FINES FINESS Array B, GERES GERES Array B, TXAR Lajitas Array.

ISC JB 31 03:43:34.0±0.8, 20.95N±84.85E, h0km, mb3.77, mb1 3.8/8, mb1mx3.5/7.1, mbtmp3.7/8, ML4.3/2, MS3.0/1, Ms1 3.0/1, ms1mx2.4/6.6, Error ellipse: s-maj=23.7km s-min=20.7km az=69.0

ISC JB 31 03:43:36.5±0.5, 21.02N±0.03±84.80E±0.04, h33km, mb3.6/7, Error ellipse: s-maj=5.9km s-min=3.7km az=26.3

NDI 31 03:43:36.1±3.5, 20.87N±84.96E, h15km, 26km, ML3.7

ISC JB 31 03:43:37.5±0.6, 20.88N±0.05±84.89E±0.05, h35km, n32, ±262/47, mb3.7/7, Southern India

Main table for 1493 containing station data for various codes like BOK, VIS, NGP, RAMN, ODAN, BRDH, PKIN, DMN, JIRN, KKN, TAPN, KOLN, GUN, GKN, BHPL, PYUN, DANN, SHL, MDRS, POO, BOM, ICOM, GOA, SMLA, DHRM, RPN, PALK, MKAR, SONM, WRRA, ASAR, BOS, TORD.

ISC JB 31 03:52:28.4±0.5, 3.57N±0.09±31.72W±0.09, h10km, mb3.8/20, MS3.7/39, Error ellipse: s-maj=15.5km s-min=10.0km az=41.9

ISC 31 03:52:28.6±0.6, 3.67N±31.78W, h0km, mb3.8/14, mb1 4.1/15, mb1mx3.9/7.0, mbtmp3.9/15, ML4.4/1, MS3.7/39, Ms1 3.7/39, ms1mx3.6/5.8, Error ellipse: s-maj=24.4km s-min=14.9km az=136.0

NEIC 31 03:52:30.1±0.3, 3.62N±31.77W, h10km, mb4.3/5, Error ellipse: s-maj=12.1km s-min=7.9km az=133.0

GGMT 31 03:52:34.1±0.3, 3.93N±0.02±32.04W±0.02, h16km, 1km, MW4.8/85, Moment Tensor Solution. s23,c26; s85,c115; Duration: 0 Moment tensor: Scale: 10^16Nm; Mr=0.28±0.08; Mw=0.34±0.08; Mo=0.06±0.07; Mm=0.78±0.23; Mw=2.06±0.09; Mw=0.70±0.27; Best double couple: Mo2.26200±0.1016

NP1±265.00000°, 0.76, 0.00000°, 1.65, 0.00000°. NP2: 0.35, 0.00000°, 3.76, 0.00000°, 1.4, 0.00000°. Principal axes: T 2.5930, P1g2.0000°, Az=222.0000°, N - 0.6620, P1g7.0000°, Azm43.0000°, P - 1.9310, P1g0.0000°, Azm312.0000°. nst1a refers to body waves, cutoff=40s. nst2a refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 31 03:52:29.9±0.6, 3.5N±0.1±31.8W±0.1, h10km, n58, ±1940/23, mb4.0/20, MS3.7/39, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include RCBR Riachuelo, H10N3 ASCENSION HYDR20, H10N2 ASCENSION HYDR20, H10N1 ASCENSION HYDR20, H10S1 ASCENSION HYDR21, H10S2 ASCENSION HYDR21, BDFB Brasilia.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include BDFB, DBIC Dimmock, DBIC, PTGA Pitanga, KOWA Kowa, KOWA, H05S1 Guadeloupe/Mar, H05N1 Guadeloupe/Mar, SAML Samuel, TORD Torodi Ar. Bea, TORD, SJG San Juan, CPUP Villa Florida, CPUP, MDT Midelt, LPAZ La Paz, LPAZ, ROSE El Rosal, ESCD Sonseca Array, H09W1 TRISTAN DA CUN, NNA Nana, TSUM Tsumeb, PLCA Paso Flores, TKL Tuckaleechee C, GERES GERES Array B, IDI Anoyia, BORG Borgmes, MLR Muntele Rosu, NOA NORSTAR Array B, NOA, BRTR Keskin Array B, BRTR, MMAI Mount Meron Ar, AKASG Akasgarray, AKASG, ULM Lac du Bonnet, FINES FINESS Array B, TXAR Lajitas Array, TXAR, SDCO Great Sand Dun, ANMO Albuquerque, DGMT Dagmar, KBZ Khabaz, SNAAS SNAAS, SNAI, GNI Ganni, PDAR Pinedale Array, PDAR, TUC Tucson, HWUT Hardware Ranch, RPN Rapa Nui, NEW Newport, NEW Newport, NVAR Mina Array Bea, NVAR, MOD Modoc Plateau, AKTO Aktyubinsk, YBH Yreka Blue Hor, WSAR Wadi Sarin, BVAR Borovoye Array, NLIK Noril'sk, ILAR Elsieison Array, AAK Ala-Archa.

NEIC 31 03:58:39.8±0.0, 0.9:66N±64.03W, h65km, MD3.7(RSPR), After RSPR, RSPR 31 03:58:39.8, 19.66N±64.03W, h65km±5km, MD3.7/4, 18C-2D, Virgin Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include ABV Anegada, ABV Anegada, ABV Anegada Island, ABVI, TBVI Tortola, TBVI, TBVI Saint Thomas, TBVI Saint Thomas, STVI, STVI, CUPR Culebra, Puert, CUPR Culebra, Puert, MTP Monte Pirata, MTP Monte Pirata, MTP, CBYP Canovanas, CBYP Canovanas, HUMP Col San Antoni, CELP Cerrillos, CELP Cerrillos, CELP Cerrillos, OBIP Obispo Ponce, OBIP Obispo Ponce, CRPR Cabo Rojo, PR, CRPR Cabo Rojo, PR.

ISC JB 31 04:13:00.4±0.6, 8.25S±0.07±121.58E±0.05, h197km±4km, mb3.4/3, Error ellipse: s-maj=12.8km s-min=6.6km az=23.2

ISC 31 04:13:00.5±2.9, 8.21S±121.45E, h180km±31km, mb3.3/3, mb1 3.5/7, mb1mx3.2/5.7, mbtmp3.9/7, Error ellipse: s-maj=91.3km s-min=23.6km az=62.0

DJA 31 04:13:03.0±0.6, 8.59S±121.22E, h179km±5km, M4.0/8, mb4.6/1, MLV3.7/8

ISC 31 04:13:01.3±1.0, 8.38S±0.10±121.59E±0.06, h198km±7km, n13, ±1957/22, mb3.7/3, Flores region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include EDFI Ende, Flores, EDFI, MMRI Maumere, MMRI, WBSI Waikabubak, Su, WBSI, BATI Baunata, BATI, BATI Baunata, BATI, SOEI Soe, SOEI, SLOI SLOI, SLOI, PLAM Plampang, PLAM, FITZ Fitzroy Crossi, FITZ, FITZ Warramunga Arr, FITZ, WRA Warramunga Arr, WRA, ASAR ASAR Springs, ASAR, ASAR, ASAR, MKAR Makanchi Array, MKAR, ZALV Zalesovo Beam, ZALV, KURBB Kurchatov Arr, KURBB.

KRSC 31 04:23:22.9±2.1, 49.19N±156.83E, h48km±33km, ML3.7, Kuril Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include SKR Severo-Kuril's, SKR, KDTR Khodutka, Kamc, KDTR, MTRV Mutnovka, MTRV, RUS Ruskaya, RUS, SLDL Sledovaya, SLDL, GNL Ganaly, GNL, MKZ Mys Kozlova, MKZ.

GUC 31 04:34:31.1±0.5, 34.39S±71.73W, h46km±7km, ML3.5, 2C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include GO05 Hualaloe, GO05, ANTU Antumapu, ANTU, ANTU, ANTU, LMEL Las Melosas, LMEL, LMEL, CLCH Cerro Canal, CLCH, CLCH, PEL Peldehue, PEL, PEL, FCH Farellones, FCH, FCH, ROCH El Roble, ROCH, ROCH, ROCH.

ISC 31 04:37:43.6±0.8, 50.24S±114.30E, h0km, mb4.2/8, mb1 4.4/8, mb1mx4.1/45, mbtmp4.2/8, MS3.4/6, Ms1 3.4/6, ms1mx3.1/42, Error ellipse: s-maj=42.7km s-min=15.3km az=107.0

ISC JB 31 04:37:44.1±0.6, 50.25S±0.1±114.3E±0.3, h10km, mb4.2/9, mb3.4/6, Error ellipse: s-maj=33.5km s-min=10.8km az=22.0

NEIC 31 04:37:45.0±0.4, 50.24S±114.33E, h10km, mb4.2/1, Error ellipse: s-maj=20.6km s-min=7.4km az=110.0

ISC 31 04:37:46.1±0.8, 50.25S±0.1±114.4E±0.2, h17km, n27, ±042/18, mb4.2/9, MS3.4/6, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Rows include H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, MAW Mawson, ASAR Alsea Springs, VYND Vanda, FITZ Fitzroy Crossi, FITZ, WRA Warramunga Arr, WRA, WRAB Tennant Creek, WRAB, QSPA South Pole Qui, QSPA, LEM Lembang, LEM, PMG Port Moresby, PMG, SNAAS Sanae, SNAAS, SNAAS, SNAAS, H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, GUMS Guam, CMAR Chiang Mai Arr, TXAR Lajitas Array, TXAR, TXAR, TXAR, MNTX Coronadus Mount, MNTX, DUGT Dugway, DUGT, ANMO Albuquerque.

NEW Newport 146.89 73 ePKPbc PKPbc 04 57 26.1 -0.6
WMOK Wichita Mountain 151.36 110 ePKPbc PKPbc 04 57 38.5 +0.1

CASC 31 04:39:38.8-2.4, 8.43N-82.86W, h0km, 4km, MD3.8, 1C, Panama-Costa Rica border region

Code Station Name Az AZZ Phase ID Time Res
ACR Cerro Adams 0.38 306 eP ISC 04 39 47.3 -0.1
ACR San Vito 0.40 344 eP S 04 39 56.5 -1.2
EDSV Puerto Jimenez 0.45 283 eP S 04 39 48.9 -0.8

ISCJB 31 04:41:48.2-0.4, 63.39N-102.144, 95W, 0.04, h6km, 3km, mb3, 3/5, MS4, 0/1, Error ellipse: s-maj=3.0km s-min=2.7km az=45.0

NEIC 31 04:41:48.6-0.0, 63.36N-144.09W, h6km, MW3.7, ML3.5(AEIC), Moment Tensor Solution, s45 Moment tensor: Scale 10^14Nm, M1: 1.15, M2: 3.44, M3: 2.29; M1-0.64; M2-1.53; M3-2.36; Best double couple: M1: 2.0000x10^14 Np1%: 245.00000, 866.00000, 1.28.00000, NP2: 1.43.00000, 865.00000, 1.63.00000; Principal axes: T 4.4700, Plg36.0000, Azm10.0000; N -0.6500, Plg54.0000, Azm283.0000; P -3.8200, Plg1.0000, Azm14.0000; After AEIC.

NEIC Felt at Tok: IDC 31 04:41:49.0-0.8, 63.56N-144.96W, h0km, mb3.4/5, mb1 3.0/8, mb1mx3.5/7.9, mbmt3.5/8, ML3.1/3, MS3.9/1, Ms1 3.9/1, ms1mx2.6/5.9 Error ellipse: s-maj=13.9km s-min=12.2km az=41.8

ISC 31 04:41:48.1-1.0, 63.37N-102.144, 98W, 0.02, h5km, 3km, n95, s-161/122, mb3.5/5, Central Alasca

Code Station Name Az AZZ Phase ID Time Res
PS10 TAPS Pump St10 0.36 278 P Op 04 41 55.5 +0.5
PS10 Indepnd'e Rid 0.37 10 P S 04 42 00.7 +1.0
PAX Paxson 0.46 209 P S 04 41 56.6 +1.3
DOT Dot Lake 0.50 56 P S 04 42 02.5 -0.4

COLD Coldfoot 4.45 333 P Pn 04 42 56.7 +0.7
IM3 Indian Mountain 4.58 209 P Pn 04 42 58.8 +0.8
BRLK Bradley Lake 4.59 321 ePn Pn 04 42 60.0 +2.0
RDWB Redoubt West 4.71 236 P Pn 04 43 00.6 +0.9

NEW Newport 21.51 122 P P 04 46 39.7 +2.2
PDAR Pinedale Array 29.03 118 P 04 47 50.8 +1.9
NVAR Mire Array Bea 29.68 135 P 04 47 58.0 +3.4
TXAR Lajitas Array 43.06 122 P 04 49 50.9 +2.3
SONM Songino Array 55.75 309 P 04 51 26.4 +1.0
APG El Apazole 61.16 116 LR LR 05 20 18.2

ISC 31 05:05:55.9-0.8, 7.61S-109.115, 89E, 0.06, h150km, mb3.7/4, Error ellipse: s-maj=12.7km s-min=7.7km az=9.7

Code Station Name Az AZZ Phase ID Time Res
SRBI Singaraja 1.74 245 P Pn 05 01 24.5 +4.8
DNP Denpasar 1.12 217 P Pn 05 01 24.1 +1.2
IGBI Denpasar 1.27 215 P S 05 01 25.2 +0.9

NEIC 31 05:03:55.6-0.0, 65.97N-147.76W, h13km, mb4.1/5, MW4.0, ML4.0(AEIC), Moment Tensor Solution, s35

Moment tensor: Scale 10^14Nm; M1: 0.30, M2: 1.15, M3: 0.30; Best double couple: M1: 2.0000x10^15 Np1%: 268.00000, 877.00000, -1.72.00000; NP2: 1.76.00000, 883.00000, -1.3.00000; Principal axes: T 1.1400, Plg4.0000, Azm222.0000; N 0.1100, Plg75.0000, Azm327.0000; P -1.2500, Plg14.0000, Azm131.0000; After AEIC.

NEIC Felt (I) at Fairbanks, Also felt at Central and North Pole. IDC 31 05:03:57.6-1.1, 65.93N-147.05W, h0km, mb3.7/5, mb1 4.0/9, mb1mx3.6/8.3, mbmt3.9/8, ML3.7/4, MS2.9/6, Ms1 2.9/6, ms1mx2.6/8.9 Error ellipse: s-maj=16.4km s-min=9.3km az=103.0

Code Station Name Az AZZ Phase ID Time Res
PS06 TAPS Pump Stn5 0.83 263 P Op 04 42 26.0 +0.7
PS06 Gilmore Dome 0.99 172 P S 05 04 23.1 -1.0
PRP Porcupine Dome 1.09 111 P Pn 05 04 14.6 -1.2

PAX Yahtse 6.24 152 P Pn 05 05 23.5 -1.7
CAST Castle Rocks 3.17 218 P Pn 05 04 44.1 -2.1
PPLA Purkeypille 3.63 214 P Pn 05 04 53.9 -2.0
BCAA Beaver Creek A 3.88 136 P eP 05 05 02.2 +1.8
DAWY Dawson 4.02 114 ePn Pn 05 04 56.3 -1.6

YAH Yahtse 6.24 152 P Pn 05 05 23.5 -1.7
RDOG Red Dog Mine 6.30 236 P Pn 05 05 26.6 0.0
BRAD Bradley Lake 6.39 185 ePn Pn 05 05 32.3 +1.9

ISC 31 05:05:57.0-1.0, 7.85S-115.89E, 0.06, h150km, n12, s-248/15, mb3.7/4, Baii Sea

Code Station Name Az AZZ Phase ID Time Res
KDAK Kodiak Island 8.52 198 ePn S 05 07 34.0 -2.1
KDAK Kodiak Island 8.52 198 ePn S 05 07 34.0 -2.1
KDAK Kodiak Island 8.52 198 ePn S 05 07 34.0 -2.1

NEIC 31 05:03:55.6-0.0, 65.97N-147.76W, h13km, mb4.1/5, MW4.0, ML4.0(AEIC), Moment Tensor Solution, s35

Moment tensor: Scale 10^14Nm; M1: 0.30, M2: 1.15, M3: 0.30; Best double couple: M1: 2.0000x10^15 Np1%: 268.00000, 877.00000, -1.72.00000; NP2: 1.76.00000, 883.00000, -1.3.00000; Principal axes: T 1.1400, Plg4.0000, Azm222.0000; N 0.1100, Plg75.0000, Azm327.0000; P -1.2500, Plg14.0000, Azm131.0000; After AEIC.

NEIC Felt (I) at Fairbanks, Also felt at Central and North Pole. IDC 31 05:03:57.6-1.1, 65.93N-147.05W, h0km, mb3.7/5, mb1 4.0/9, mb1mx3.6/8.3, mbmt3.9/8, ML3.7/4, MS2.9/6, Ms1 2.9/6, ms1mx2.6/8.9 Error ellipse: s-maj=16.4km s-min=9.3km az=103.0

Code Station Name Az AZZ Phase ID Time Res
AMANT Manta 0.54 3 Op P 05 16 19.7 0.0
AMANT Manta 0.54 3 Op S 05 16 26.7 -0.9
MILO Milagro-Astudi 1.44 123 P Pn 05 16 32.8 -1.5

ISN 31 05:16:40.8-1.1, 36.86N-43.91E, h0km, 7km, ML2.7

Code Station Name Az AZZ Phase ID Time Res
SIRT Sirtak 0.42 253 Op ISC 05 17 02.1 +0.5
VANV Vanav 1.03 20 PG PG 05 17 12.3 -0.9

Table of station data for 31d 8h, including columns for station name, coordinates, and other parameters.

Table of station data for 2012 AUG, including columns for station name, coordinates, and other parameters.

Table of station data for 1496, including columns for station name, coordinates, and other parameters.

NIED 31 07:38:00,36.00N,143.70E,h5km,Mw3.6 Best double couple: M3.1200x1014 N P1.3x64.00000, delta25.00000, lambda-9.00000, NP2.3x162.00000, delta6.00000, lambda-115.00000

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

VKMS 31 07:58:50.0,52.31N,35.42E,M2.0, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 31 07:58:55.8,3.9,52.63N,34.98E,h0km,mb1 3.72, mb1mx3.1,69,mbtmp3.62,ML2.8/3,Error ellipse: s-maj=52.5km s-min=14.5km az=122.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

DJA 31 08:10:15.0,0.9,8.5S,20.12E,h109km,43km,M3.7/5, mb3.3/1,MLV3.9/5,Banda Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

ISJC 31 08:13:21.8,0.6,23.95N,0.04,122.78E,0.02,h20km,6km, Error ellipse: s-maj=6.3km s-min=3.3km az=0.5

TAP 31 08:13:22.3,24.04N,122.84E,h33km,ML2.8,D JMA 31 08:13:23.2,0.1,24.08N,122.78E,h27km,3km,M2.4

ISC 31 08:13:22.2,1,2,24.01N,0.05,122.79E,0.03,h25km,13km,n43,c074/56,Taiwan region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

RSRP 31 07:30:22.1,19.64N,64.25W,h29km,18km,MD3.5/9, 15C-3D, Virgin Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC, h, m, s, ISC.

31d 9h

Table of seismic events with columns for station name, magnitude, depth, time, and location. Includes stations like Sarab, Germi, NAX, LKRN, etc.

2012 AUG

Main table of seismic events with columns for code, station name, magnitude, depth, time, and location. Includes stations like AKTO, BUR04, KURK, etc.

1498

Table of seismic events with columns for station name, magnitude, depth, time, and location. Includes stations like CUR, CHBI, AKAR, etc.

31d 12h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MNAS, AML, MRKS, EKS2, SFK, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RSPR 31, ABV, TBVI, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASRS 31, NNC 31, ZAAO, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CASC 31, MESS, CUI, etc.

2012 AUG

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BUS, MOMM, EDDO, etc.

MEX 31 11:39:59.7, 0.9, 15.939N, 96.99W, h14km, 12km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HUIG, OXBJ, VHO, etc.

NNC 31 11:50:42.0, 0.7, 42.78N, 75.64E, h16km, 36km, mb2.6, mpv2.5, Error ellipse: s-maj=45.4km s-min=4.4km az=178.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TKM2, KST, KKB, etc.

ASRS 31 10:45:11.0, 54.37N, 86.83E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 31 10:45:08.6, 2.1, 54.31N, 86.92E, h0km, mb3.5, mpv3.0, 8C-6D, Error ellipse: s-maj=18.9km s-min=9.9km az=6.0, Suspected mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARX, MNAS, KURK, etc.

1500

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KURBB, ILAR, BVAR, etc.

NIED 31 12:11:00.24, 80N, 120.90E, h8km, Mw4.5 Best double couple: M6.30000x1015 NP1: 221.00000, 829.00000, 7.43.00000

JMA 31 12:11:40.2, 0.1, 24.83N, 120.90E, h2km, 1km, M4.6, BJI 31 12:11:40.1, 0.2, 24.77N, 120.84E, h15km, mb4.6/20, M4.6/11, M5.4/22, M5.7/23

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

ISC 31 12:11:40.8, 0.6, 24.70N, 120.89E, h12km, 3km, n209, s162/297, mb4.3/35, MS3.5/10, 39C-38D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SBCB, NSTT, LIOB, etc.

ASRS 31 10:45:11.0, 54.37N, 86.83E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

NNC 31 10:45:08.6, 2.1, 54.31N, 86.92E, h0km, mb3.5, mpv3.0, 8C-6D, Error ellipse: s-maj=18.9km s-min=9.9km az=6.0, Suspected mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARX, MNAS, KURK, etc.

31d 12h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like MKAR, MAKZ, MTN, ZALV, KSH, KURBB, AAK, FITZ, COEN, WRA, WB2, WC3, BVAR, ASAR, AS01, NWA0, STKA, TOLK, BPAW, MDM, ILAR, DHY, SCM, KLU, EGAK, DAWY, BRTR, INK, HFS, NOA, YKA, GO09.

NNC 31 12:22:22.5:3.3, 41.97N:81.87E, h0km, mb3.2, mpv2.7, Error ellipse: s-maj=25.0km s-min=13.1km az=157.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like KTMS, SHLS, SHLS, PDGK, PDGK, UZB, UZB, SATY, SATY, KPKS, KPKS, DJR, DJR, ARXS, ARXS, KOTS, KOTS, KAPS, KAPS, KTBS, KTBS, MAKZ, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MK31.

NIED 31 12:23:00.24:90N:120:90E, h8km, Mw4.5 Best double couple: M66.080000:1015 NFP13:217.00000: 311.000000: 1.31.000000: NP2:96.00000: 884.00000: 1.10.000000: BUJ 31 12:23:53.1, 24:72N, 120:94E, h11km, mb4.1/7, mB4.4/5, ML4.4/5, Ms4.0/7, Ms7.4/0/5

2012 AUG

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like HSN, HSN, SBCB, SBCB, NSTT, NSTT, LIOB, LIOB, NMLH, NMLH, PTBS, PTBS, NSY, NSY, TWQ1, TWQ1, NCUH, NCUH, NCU, NCU, NSK, NSK, YHNB, YHNB, YHNB, YHNB, TDCB, TDCB, NNS, NNS, NWLT, NWLT, TCU, TCU, TATO, TATO, TWS1, TWS1, ENT, ENT, TAP, TAP, TAP1, TAP1, WHF, WHF, DPDB, DPDB, NTST, NTST, WCHI, WCHI, CHGB, CHGB, YM04, YM04, YM03, YM03, YM10, YM10, YM11, YM11, YM12, YM12, YL08, YL08, ILA, ILA, YM07, YM07, YM07, YM07, WNT, WNT, ENA, ENA, NANB, NANB, NACB, NACB, NACB, NACB, TWY, TWY, NTC, NTC, WJS, WJS, WJS, WJS, NWF, NWF, NWF, NWF, WFSB, WFSB, ENAH, ENAH, ENAH, ENAH, TWC, TWC.

1502

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual, and other parameters. Includes stations like TWC, TWC, TWPB, TWPB, TWPB, TWPB, TWD, TWD, SSLB, SSLB, SSLB, SSLB, EGS, EGS, EGS, EGS, WTCT, WTCT, WTCT, WTCT, ESL, ESL, ENLB, ENLB, ENLB, ENLB, TWB1, TWB1, TWB1, TWB1, WDLH, WDLH, WDLH, WDLH, WMLT, WMLT, WMLT, WMLT, CHN5, CHN5, CHN5, CHN5, EOS1, EOS1, EOS1, EOS1, EGFH, EGFH, EGFH, EGFH, ALS, ALS, ALS, ALS, WSF, WSF, WSF, WSF, YUS, YUS, YUS, YUS, CHN2, CHN2, CHN2, CHN2, PTTC, PTTC, PTTC, PTTC, CHY, CHY, CHY, CHY, EHY, EHY, EHY, EHY, VVUC, VVUC, VVUC, VVUC, HGSD, HGSD, HGSD, HGSD, WLGB, WLGB, WLGB, WLGB, YULB, YULB, YULB, YULB, YULB, YULB, YULB, YULB, TWF1, TWF1, TWF1, TWF1, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TPUB, TWK, TWK, TWK, TWK, CHN8, CHN8, CHN8, CHN8, ELDTW, ELDTW, ELDTW, ELDTW, STYT, STYT, STYT, STYT, CHN1, CHN1, CHN1, CHN1, FULB, FULB, FULB, FULB, MATB, MATB, MATB, MATB, SGST, SGST, SGST, SGST, PNG, PNG, PNG, PNG, SCLT, SCLT, SCLT, SCLT, PHUB, PHUB, PHUB, PHUB, CHKT, CHKT, CHKT, CHKT, CHN3, CHN3, CHN3, CHN3, SLGT, SLGT, SLGT, SLGT, TAI, TAI, TAI, TAI, WDGJ, WDGJ, WDGJ, WDGJ, TWG, TWG, TWG, TWG, TWG, TWG, TWG, TWG, JYNG, JYNG, JYNG, JYNG, TWM1, TWM1, TWM1, TWM1, TTN, TTN, TTN, TTN, YOJ, YOJ, YOJ, YOJ.

1505

Table with columns: SURT, Location, Time, Frequency, and other parameters. Includes entries for Suratani, Umpang Tak, SDSA, etc.

2012 AUG

Table with columns: Location, Time, Frequency, and other parameters. Includes entries for SNY, WBO, PATS, etc.

31d 12h

Table with columns: Location, Time, Frequency, and other parameters. Includes entries for ASAJ, SHL, SHL, etc.

31d 12h

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like Ulanbaatar, Bhubaneswar, Gornyy, etc.

2012 AUG

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like WMQ, HYB, ARMA, BOD, etc.

1506

Table with columns: Station, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ZHN, MNCI, HMDM, KSH, etc.

1507

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SMY, BTLS, TAUS, DGAR, etc.

2012 AUG

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEYT, GYA0B, LREZ, etc.

31d 12h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MCQ, MZR, WHFO, etc.

31d 12h

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like TBGL, MLY, GNI, TRF, etc.

2012 AUG

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like EATA, ARTV, MID, DAGI, etc.

1508

Table with columns: Station, Frequency, Mode, Power, and other parameters. Includes stations like HOPEN, KEV, DHAK, INK, etc.

1509

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANTO, ANTK, ANTO, BR231, MCGM, etc.

2012 AUG

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIS, CRZF, SORM, DLBC, etc.

31d 12h

Table with columns for station name, frequency, power, and other technical details. Includes stations like DOPR, SGRR, YER, etc.

31d 12h

Table with columns for station name, frequency, power, and other technical details. Includes stations like LTWH, THAS, KAVA, AMGA, etc.

2012 AUG

Table with columns for station name, frequency, power, and other technical details. Includes stations like comp=Z,94um,19.9s, etc.

1510

Table with columns for station name, frequency, power, and other technical details. Includes stations like KRLC, KRALIKY, KOZANI, etc.

SWSC	Sam W. Stewart	106.20	51	Pdiff	Pdiff	13 01 44.1 +0.1
ABSA	Djebel Ababria	106.22	313	P	Pdiff	13 01 45.7 +1.5
PTCN	Pitcairn Islan	106.27	113	FLAKE	LR	13 06 10.0
CCAI1	comp-Z,264um,21.0s					
CCAI1	Carmenelles	106.28	330	eP	Pdiff	13 01 42.3 -1.7
CCAI1	comp-Z,275um,21.7s			IAMs_20	IAMs_20	13 06 10.5
LCMT	Little Creek M	106.30	46	eP	Pdiff	13 01 46.1 +1.5
NEE2	Needles Airpor	106.31	49	Pdiff	Pdiff	13 01 45.0 +0.5
MSU	Marysvalde	106.34	44	ePdiff	Pdiff	13 01 45.6 +0.8
MSU	Huapal Mount	106.40	48	ePdiff	Pdiff	13 01 47.4 +0.8
CKFL	Kef-Lekhel	106.71	313	P	Pdiff	13 01 47.6 +1.2
PKCU	Pink Cliffs	106.76	46	ePdiff	Pdiff	13 01 47.7 +0.9
Y12C	Blythe	106.82	50	ePdiff	Pdiff	13 01 48.2 +1.4
Y12C	Blythe	106.82	50	Pdiff	Pdiff	13 01 47.2 +0.4
PDMC1	Parker Dam,Lak	106.87	49	Pdiff	Pdiff	13 01 47.3 +0.3
GLA	Glamis	106.89	51	Pdiff	Pdiff	13 01 47.9 +0.7
CLSM	Ain Smara	106.94	313	P	Pdiff	13 01 48.3 +1.0
CFTE	Djebel Teoual	107.09	313	P	Pdiff	13 01 49.6 +1.5
DREA	Djebel Bou Off	107.24	314	P	Pdiff	13 01 48.4 -0.4
U15A	North Rim	107.25	46	ePdiff	Pdiff	13 01 49.9 +0.9
VAL	Valentia	107.40	334	eP	Pdiff	13 01 55.7 +6.8
V22A	Casper	107.87	38	eSKS	SKSac	13 01 21.1 -4.0
O20A	White River Ci	108.16	41	ePdiff	Pdiff	13 01 53.8 +0.9
O20A	White River Ci	108.16	41	Pdiff	Pdiff	13 01 53.1 +0.2
NVL	N'Azarakeskaya	108.26	198	eP	Pdiff	13 01 58.5 +6.3
NVL				eSSS	SSS	13 21 32.4
NVL				MLR	MLR	13 25 34.7
WUAZ	Wupatki	108.33	47	ePdiff	Pdiff	13 01 55.5 +1.7
WUAZ	comp-Z,314um,22.0s					
WUAZ	Wupatki	108.33	47	Pdiff	Pdiff	13 01 54.0 +0.3
RRSD	Black Hills	108.50	36	ePdiff	Pdiff	13 01 54.5 +0.2
RRSD	comp-Z,66nm,1.4s					
RRSD	Black Hills	108.50	36	eP	Pdiff	13 01 54.5 +0.2
RRSD	Black Hills	108.50	36	Pdiff	Pdiff	13 01 53.7 -0.6
MDND	Madlock	108.57	31	Pdiff	Pdiff	13 01 53.5 -0.7
PV22	Blue Mesa, Par	108.64	43	ePdiff	Pdiff	13 01 56.9 +1.8
PV17	East Wray Mesa	108.65	43	ePdiff	Pdiff	13 01 56.2 +1.1
ULM	Lac du Bonnet	108.70	27	Pdiff	Pdiff	13 01 54.5 -0.3
ULM	comp-Z,6.4nm,0.9s,baz=323,slow=5.4,SNR=12					
ULM	Lac du Bonnet	108.70	27	ePdiff	Pdiff	13 01 55.6 +0.8
ULM	Lac du Bonnet	108.70	27	Pdiff	Pdiff	13 06 00.4 +0.6
ULM	Lac du Bonnet	108.70	27	Pdiff	Pdiff	13 01 55.6 +0.8
ULM	Lac du Bonnet	108.70	27	Pdiff	Pdiff	13 01 56.9 +1.6
PV12	Saucer Basin,	108.74	43	ePdiff	Pdiff	13 01 57.2 +1.7
PV03	Paradox Valley	108.74	43	ePdiff	Pdiff	13 01 56.5 +0.9
PV13	Radium Mtn., P	108.81	43	ePdiff	Pdiff	13 01 57.3 +1.5
214A	Organ Pipe Nat	108.90	51	Pdiff	Pdiff	13 01 55.6 -0.5
SUR	Sutherland	109.19	239	FLAKE	LR	13 06 10.0
N23A	Red Feather La	109.21	40	Pdiff	Pdiff	13 01 58.3 +0.7
MVCO	Mesa Verde	109.51	44	ePdiff	Pdiff	13 01 58.8 -0.2
MVCO	comp-Z,429um,21.0s					
MVCO	Mesa Verde	109.51	44	Pdiff	Pdiff	13 01 58.9 -0.1
W18A	Petrified Fore	109.70	47	Pdiff	Pdiff	13 01 59.8 0.0
A33A	Warroad	109.86	28	Pdiff	Pdiff	13 01 58.7 -1.3
ISCO	Idaho Springs	110.03	41	ePdiff	Pdiff	13 01 58.0 -3.4
ISCO	comp-Z,311um,22.0s					
ISCO	Idaho Springs	110.03	41	eP	Pdiff	13 01 58.0 -3.4
ISCO	Idaho Springs	110.03	41	Pdiff	Pdiff	13 02 02.1 +0.7
TUC	Tucson	110.28	50	eP	Pdiff	13 02 03.3 +1.0
TUC	comp-Z,436um,21.0s					
TUC	Tucson	110.28	50	eP	Pdiff	13 02 03.3 +1.0
TUC	Tucson	110.28	50	MLR	MLR	13 06 38.0
TUC	comp-Z,436um,21.0s					
TUC	Tucson	110.28	50	Pdiff	Pdiff	13 02 03.2 +0.9
S22A	4UR Ranch, Cre	110.36	43	Pdiff	Pdiff	13 02 03.5 +0.7
C33A	Trail	110.51	29	Pdiff	Pdiff	13 02 02.6 -0.3
Q24A	Divide	110.80	41	Pdiff	Pdiff	13 02 05.3 +0.5
SUSD	Miller	111.15	33	Pdiff	Pdiff	13 02 05.4 -0.4
SDCO	Great Sand Dun	111.25	42	ePdiff	Pdiff	13 02 07.3 +0.5
SDCO	Great Sand Dun	111.25	42	ePdiff	Pdiff	13 06 06.9 +1.5
SDCO	Great Sand Dun	111.25	42	Pdiff	Pdiff	13 02 07.2 +0.4
TSUM	Tsumeb	111.53	254	Pdiff	Pdiff	13 02 05.8 -2.3
TSUM	comp-Z,29nm,1.1s,baz=45,slow=1.2,SNR=6.3					
TSUM	Tsumeb	111.53	254	Pdiff	Pdiff	13 06 07.4 +1.3
TSUM	Tsumeb	111.53	254	Pdiff	Pdiff	13 06 07.4 +1.3
TSUM	Tsumeb	111.53	254	Pdiff	Pdiff	13 06 51.4 +3.6
OGNE	Ogallala	111.59	38	ePdiff	Pdiff	13 02 07.9 0.0
OGNE	Ogallala	111.59	38	ePdiff	Pdiff	13 02 00.5 -5.2
OGNE	Ogallala	111.59	38	Pdiff	Pdiff	13 02 07.5 -0.5
SNA4	Sanae	112.04	195	P	Pdiff	13 02 18.0 +8.9
SNA4	Sanae	112.04	195	P	PKKPbc	13 06 57.4 -2.8
SNA4	Sanae	112.04	195	Pdiff	Pdiff	13 02 09.6 +0.4
SNA4	comp-Z,6.2nm,1.0s,baz=153,slow=4.4,SNR=11					
SNA4	Sanae	112.04	195	Pdiff	Pdiff	13 06 06.0 +0.5
ANMO	Albuquerque	112.10	45	Pdiff	Pdiff	13 02 13.5 +3.0
ANMO	Albuquerque	112.10	45	Pdiff	Pdiff	13 02 12.4 +1.9
ANMO	Albuquerque	112.10	45	Pdiff	Pdiff	13 02 11.1 +0.5
ESDC	Sonsca Array	112.14	321	Pdiff	Pdiff	13 02 11.1 +0.7
ESDC	comp-Z,5.0nm,1.0s,baz=40,slow=4.7,SNR=8.4					
Y22D	IRIS PASSCAL I	112.23	46	Pdiff	Pdiff	13 02 11.1 0.0
T25A	Trinidad	112.31	42	Pdiff	Pdiff	13 02 11.7 +0.3
EYMN	Ely	112.35	27	ePdiff	Pdiff	13 02 12.3 +1.2
EYMN	comp-Z,141um,21.0s					
EYMN	Ely	112.35	27	Pdiff	Pdiff	13 02 11.1 0.0
KSCO	Kaye Shedlock	112.38	40	Pdiff	Pdiff	13 02 11.0 -0.6
121A	Cookes Peak, D	112.39	48	Pdiff	Pdiff	13 02 12.9 +1.1
PAB	San Pablo	112.45	321	ePdiff	Pdiff	13 02 11.8 -0.1
PAB	San Pablo	112.45	321	ePdiff	Pdiff	13 06 07.3 0.0
PAB	San Pablo	112.45	321	ePdiff	Pdiff	13 06 53.7 +0.6

PAB	comp-Z,124um,22.0s					
PAB	San Pablo	112.45	321	eP	Pdiff	13 02 11.8 -0.1
PAB	San Pablo	112.45	321	eP	Pdiff	13 06 07.3
PAB	San Pablo	112.45	321	eP	Pdiff	13 06 53.7
PBRG	Braganca	112.49	324	ePdiff	Pdiff	13 02 11.0 -0.9
PBRG	Braganca	112.49	324	ePdiff	Pdiff	13 06 51.5 -1.7
ECSD	EROS Data Cent	112.88	33	ePdiff	Pdiff	13 02 14.6 +1.1
ECSD	EROS Data Cent	112.88	33	Pdiff	Pdiff	13 02 13.4 -0.1
MVO	Moncorvo	113.06	324	ePdiff	Pdiff	13 02 13.5 -1.0
MVO	Moncorvo	113.06	324	ePdiff	Pdiff	13 06 56.3 -1.0
MVO	Moncorvo	113.06	324	eSS	SS	13 22 46.4 +8.3
MVO	Moncorvo	113.06	324	eLR	LR	13 25 05.1
H35A	Sunnyside Ranc	113.13	31	Pdiff	Pdiff	13 02 14.9 +0.2
PGAV	Gaveira, Arco	113.25	325	ePdiff	Pdiff	13 02 14.3 -1.1
PGAV	Gaveira, Arco	113.25	325	ePdiff	Pdiff	13 06 58.0 -0.7
PGAV	Gaveira, Arco	113.25	325	eSS	SS	13 22 59.7 +1.9
PGAV	Gaveira, Arco	113.25	325	eLR	LR	13 25 05.1
PCAB	Cabril	113.28	325	ePdiff	Pdiff	13 02 14.1 -1.3
PCAB	Cabril	113.28	325	ePdiff	Pdiff	13 06 57.9 -0.9
E30A	The Farm, Brul	113.33	28	Pdiff	Pdiff	13 02 15.0 -0.5
POLA	Lamas de Olo	113.37	324	ePdiff	Pdiff	13 02 14.9 -1.0
POLA	Lamas de Olo	113.37	324	ePdiff	Pdiff	13 06 58.7 -0.8
C40A	Isle Royale Na	113.39	26	Pdiff	Pdiff	13 02 15.0 -0.6
F37A	Hinrichs Farm,	113.48	29	Pdiff	Pdiff	13 02 15.8 -0.4
BGNE	Belgrade	113.58	35	Pdiff	Pdiff	13 02 16.0 -0.7
SCHO	Schefferville	113.60	9	Pdiff	Pdiff	13 02 18.5 +2.0
SCHO	comp-Z,7.1nm,1.0s,baz=323,slow=3.4,SNR=3.3					
SCHO	Schefferville	113.60	9	Pdiff	Pdiff	13 06 10.3 +1.3
VNA2	Neumayer-Watz	113.66	195	P	Pdiff	13 02 24.1 +7.9
VNA2	Neumayer-Watz	113.66	195	P	PKKPbc	13 06 15.9 -2.8
VNA2	Neumayer-Watz	113.66	195	P	PKKPbc	13 06 08.4 -0.2
F38A	Pierce - Schro	113.66	28	Pdiff	Pdiff	13 02 16.8 -0.1
H36A	Jessenland, He	113.67	31	Pdiff	Pdiff	13 02 17.4 +0.4
SPMN	Marine on St.	113.76	30	Pdiff	Pdiff	13 02 17.3 -0.1
MTE	Manteigas	113.85	323	ePdiff	Pdiff	13 02 16.9 -1.1
MTE	Manteigas	113.85	323	ePdiff	Pdiff	13 07 02.6 -0.3
MTE	Manteigas	113.85	323	eSS	SS	13 23 07.3 +1.9
MTE	Manteigas	113.85	323	eLR	LR	13 25 34.8
MTE	Manteigas	113.85	323	eLR	LR	13 25 36.3
PV15	Viseu	113.85	324	ePdiff	Pdiff	13 02 17.0 -1.0
PV15	Viseu	113.85	324	ePdiff	Pdiff	13 07 01.3 -1.6
E39A	Mellen	113.95	27	Pdiff	Pdiff	13 02 17.6 -0.6
VNA3	Neumayer Olymp	114.01	194	P	Pdiff	13 02 20.7 +9.2
VNA3	Neumayer Olymp	114.01	194	P	PKKPbc	13 06 15.4 -2.2
VNA3	Neumayer Olymp	114.01	194	P	PKKPbc	13 06 09.4 +0.1
I36A	Fitzsimmons Fa	114.03	31	Pdiff	Pdiff	13 02 18.6 -0.1
VNA1	Neumayer-Stat	114.06	195	P	Pdiff	13 02 24.2 +6.2
VNA1	Neumayer-Stat	114.06	195	P	PKKPbc	13 06 15.2 -0.9
VNA1	Neumayer-Stat	114.06	195	P	PKKPbc	13 06 09.2 0.0
F39A	Loretta	114.14	28	Pdiff	Pdiff	13 02 18.3 -0.8
PCBR	Castelo Branco	114.17	323	ePdiff	Pdiff	13 02 18.4 -0.9
PCBR	Castelo Branco	114.17	323	ePdiff	Pdiff	13 07 03.4 -1.7
H37A	Dierke Farm, C	114.17	30	Pdiff	Pdiff	13 02 19.3 +0.1
E40A	Wakefield	114.20	27	Pdiff	Pdiff	13 02 19.6 +0.3
G38A	Ridgeland	114.26	29	Pdiff	Pdiff	13 02 19.5 -0.1
CBKS	Cedar Bluff	114.29	38	ePdiff	Pdiff	13 02 19.3 -0.7
CBKS	Cedar Bluff	114.29	38	ePdiff	Pdiff	13 06 09.7 -1.2
CBKS	Cedar Bluff	114.29	38	ePdiff	Pdiff	13 02 19.3 -0.7
CBKS	Cedar Bluff	114.29	38	ePdiff	Pdiff	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAJ Asahikawa, KLR Kul'dur, SONAO Sogino Array, etc.

ISC 31 13:05:10.2, 0.0, 10.63N, 126.80E, h0km, mb4.6/21, mb1.4, 7.21, mb1mx4.5/61, mbtmp4.6/21, Error ellipse: s-maj=25.5km s-min=7.3km az=77.0

ISC 31 13:05:11.2, 0.0, 10.60N, 126.85E, h0km, mb4.6/25, Error ellipse: s-maj=7.0km s-min=5.7km az=177.5

NEIC 31 13:05:15.2, 0.0, 10.59N, 126.82E, h35km, mb4.8/7, Error ellipse: s-maj=7.9km s-min=4.6km az=85.0

ISC 31 13:05:13.2, 0.0, 10.61N, 126.80E, h20km, n47, 0.6759/50, mb4.5/25, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TINTI Ternate, QIZ Qiongzong, BATI Baumenta, etc.

ISC 31 13:06:15.2, 0.0, 10.57N, 126.73E, h0km, mb4.6/11, mb1.4, 6.11, mb1mx4.3/63, mbtmp4.6/11, Error ellipse: s-maj=34.3km s-min=14.7km az=77.0

ISC 31 13:06:17.0, 0.0, 10.45N, 126.62E, h0.1, h33km, mb4.5/13, Error ellipse: s-maj=19.1km s-min=9.3km az=174.7

NEIC 31 13:06:20.3, 0.0, 10.58N, 126.80E, h35km, mb4.9/2, Error ellipse: s-maj=19.0km s-min=8.6km az=78.0

ISC 31 13:06:19.7, 0.0, 10.47N, 126.92E, h2.2, h35km, n26, 0.1820/27, mb4.7/13, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTBH Cotabato-PC H, PAGZ Pagadian, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PAGZ Matsushiro, MAJO Matushiro, MJAR Warramunga Arr, etc.

ISC 31 13:08:18.0, 0.0, 6.104N, 126.64E, h0km, mb4.5/17, mb1.4, 6.017, mb1mx4.3/63, mbtmp4.6/17, Error ellipse: s-maj=23.7km s-min=13.4km az=82.0

ISC 31 13:08:22.1, 0.0, 4.106N, 126.74E, h0.08, h44km, mb4.5/23, Error ellipse: s-maj=11.3km s-min=8.0km az=5.3

NEIC 31 13:08:22.6, 0.0, 4.105N, 126.79E, h35km, mb4.9/4, Error ellipse: s-maj=12.1km s-min=5.7km az=84.0

ISC 31 13:08:24.2, 0.0, 6.08N, 126.82E, h0.1, h44km, n39, 0.1353/38, mb4.7/23, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TINTI Ternate, QIZ Qiongzong, BATI Baumenta, etc.

ISC 31 13:08:36.4, 0.0, 4.102N, 126.75E, h0km, mb4.8/29, mb1.4, 4.9/30, mb1mx4.7/65, mbtmp4.8/30, ML4.6/1, Error ellipse: s-maj=19.1km s-min=9.4km az=78.0

ISC 31 13:08:40.0, 0.0, 10.40N, 126.77E, h0.09, h44km, n49, 0.1545/54, mb4.8/33, Philippine Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like USRK Ussuriysk Arr, ASAR Alice Springs, CTA Charters Tower, etc.

ISC 31 13:10:37.3, 0.0, 7.83N, 127.09E, h0km, mb4.5/20, mb1.4, 5.2/20, mb1mx4.3/63, mbtmp4.5/20, Error ellipse: s-maj=29.7km s-min=16.1km az=66.0

ISC 31 13:10:40.6, 0.0, 3.96N, 126.04E, h1km, mb4.4/27, Error ellipse: s-maj=8.1km s-min=6.2km az=162.3

NEIC 31 13:10:41.8, 0.0, 3.97N, 127.02E, h35km, mb4.7/6, Error ellipse: s-maj=1.0km s-min=0.6km az=82.0

ISC 31 13:10:42.6, 0.0, 5.917N, 126.99E, h0.08, h41km, n46, 0.1842/47, mb4.6/27, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DAV Davao City (W), LLP Lapu-Lapu, TINTI Ternate, etc.

ISC 31 13:10:42.6, 0.0, 5.917N, 126.99E, h0.08, h41km, n46, 0.1842/47, mb4.6/27, Mindanao

ISC 31 13:10:42.6, 0.0, 5.917N, 126.99E, h0.08, h41km, n46, 0.1842/47, mb4.6/27, Mindanao

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

31d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HFS Hagfors, NOA NORSAR Array B, PLCA Paso Flores, etc.

ADC 31 13:11:09.0z, 1.1, 10.47N, 126.84E, h0km, mb4.3/17, mb1 4.3/17, mb1mx4.2/69, mbmp4.3/17, Error ellipse: s-maj=41.0km s-min=24.6km az=83.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSRs Korea Array, USRK Ussuriysk Arr, ASAR Alice Springs, etc.

2012 AUG

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GENI Genyem, STKI Sintang, JAY Jayapura, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, COEN Coen, CD2 Chengdu, etc.

MMRI	Maumere	19.64 194	P	Pn	13 31 59.6	+0.7
MMRI	Maumere	19.64 194	eP	Pn	13 31 58.6	-0.3
EDFI	Gnde, Flores	19.88 195	P	Pn	13 32 02.3	+0.4
PBKI	Pangkalan Bun	20.12 230	P	Pn	13 32 03.9	-0.8
SOEI	Soe	20.36 188	P	Pn	13 32 07.3	-0.2
SOEI	Soe	20.36 188	eP	Pn	13 32 06.7	-0.8
BATI	Baumata	20.89 189	P	P	13 32 11.9	+0.9
BATI	Baumata	20.89 189	P	P	13 32 11.5	+0.5
WSI	Waingapu	21.16 198	P	P	13 32 14.6	+0.7
PLAI	Plampang	21.31 206	P	P	13 32 17.6	+2.0
WBSI	Waikabubak, Su	21.43 201	P	P	13 32 17.1	+0.2
TWSI	Taliwang, Sumb	21.63 208	P	P	13 32 21.2	+2.2
KMMI	Kaliangit	21.75 217	P	P	13 32 21.8	+1.5
CBJL	Chichi jima	21.83 39	eP	P	13 32 20.9	-0.2
JCJ	Chichijima	21.83 39	P	P	13 32 18.8	-2.3
SRJ	108nm,0.8s,baz=249,slow=17,SNR=4.3					
SRJ	Singaraja	21.90 213	P	P	13 32 24.1	+2.3
DNP	Denpasar	22.40 212	P	P	13 32 27.6	+0.4
BLJ	Banyuwijung	22.53 217	P	P	13 32 30.0	+1.4
IGBI	Denpasar	22.55 212	P	P	13 32 30.5	+1.6
GRJ	Gresik	22.56 220	P	P	13 32 30.3	+1.3
JNU	Nakatsue	22.74 9	eP	P	13 32 28.2	-2.6
JNU	Nakatsue	22.74 9	eP	P	13 32 32.3	+1.5
JAGI	Jajag, Banyawa	22.80 214	P	P	13 32 32.5	+1.0
JAGI	Jajag, Banyawa	22.80 214	eP	P	13 32 31.1	-0.4
GMH	Gumukmas	23.04 216	P	P	13 32 35.4	+1.4
WHN	Wuhan	23.08 31	P	Pmax	13 32 33.0	-1.3
SKNT	Sakolnakorn	23.19 288	P	P	13 32 34.5	-1.0
NGJI	Ngaw	23.56 222	P	P	13 32 41.5	+2.4
MANU	Manus Island	23.87 120	eP	P	13 32 43.3	+1.1
SMRI	Semarang	24.00 224	P	P	13 32 46.6	+3.2
SMRI	Semarang	24.00 224	eP	P	13 32 43.8	+0.3
KHON	Khomkaen	24.14 286	P	P	13 32 43.5	-1.3
NONG	Nongkai	24.22 291	P	P	13 32 45.7	+0.2
TPRI	Tanjung Pinang	24.25 248	P	P	13 32 46.1	+0.3
WOJI	Wonogiri, Jawa	24.26 222	P	P	13 32 46.5	+0.7
PPBI	Pangkal Tinggi	24.27 240	P	P	13 32 42.1	-3.8
MYKOM	Kota Pinang	24.54 251	eP	P	13 32 48.7	+0.3
SRAK	Srakaew	24.57 281	P	P	13 32 44.1	-4.6
UGM	Wanagama	24.58 222	P	P	13 32 59.0	+1.0
UGM	Wanagama	24.58 222	eP	P	13 32 48.6	-0.2
DSRI	Dabo	24.81 245	P	P	13 32 52.8	+2.0
GYA	Guiyang	24.84 312	P	P	13 32 53.0	+1.8
GYA			PP	Pn	13 33 00.0	+6.0
GYA			S	S	13 37 10.5	-2.4
GYA			sS	sS	13 37 27.8	+3.5
GYA	comp=Z,40nm,0.8s		Pmax	Pmax		
GYA	comp=Z,190nm,5.2s		LR	LR		
GYA	comp=E,8um,17.0s		LR	LR		
CHAI	Chaiyaphum	24.86 285	P	P	13 32 48.1	-3.2
KPJI	Karang Pucung	25.25 226	P	P	13 32 55.7	+0.9
PATY	Pattaya	25.64 278	P	P	13 33 01.3	+2.9
TJN	Taeyon	25.71 1	iP	P	13 33 00.1	+1.4
PMBI	Palembang	25.82 240	P	P	13 33 02.1	+1.8
LEM	Lembang	25.86 229	P	P	13 33 01.9	+1.3
LEM	Lembang	25.86 229	P	P	13 33 02.0	+1.5
PBKT	Sadap Pong	25.94 286	P	P	13 33 00.6	-0.4
CISI	Cisempet, Garu	26.20 227	P	P	13 33 06.2	+2.7
CISI	Cisempet, Garu	26.20 227	eP	P	13 33 03.5	-0.1
INU	Inuyama	26.32 19	eP	P	13 33 05.0	+0.7
IPM	Ipho	26.39 259	eP	P	13 33 01.4	-3.8
SBJI	Serang	26.54 232	P	P	13 33 07.2	+0.7
KULM	Kulim	26.56 261	eP	P	13 33 03.9	-2.8
KULM	Kulim	26.56 261	P	P	13 33 09.0	+2.3
PHIT	Phitsanulok	26.57 287	P	P	13 33 08.7	+2.0
NANT	Nan	26.65 291	P	P	13 33 07.8	+0.3
KS15	Wonju Array Si	26.78 2	P	P	13 33 10.4	+2.0
KSAR	Wonju Array Be	26.78 2	P	P	13 33 06.1	-2.3
KSAR	Wonju Array Be	26.78 2	P	P	13 33 06.1	-2.3
BLSI	Bandar Lampung	26.79 235	P	P	13 33 10.4	+1.7
KSRS	Korea Array	26.79 2	P	P	13 33 06.1	-2.4
KSRS	3.4nm,0.8s,baz=189,slow=2.8,SNR=6.1		P	P	13 36 32.9	+1.7
INCN	Inchon	26.81 359	eP	P	13 33 10.3	+1.6
INCN	Inchon	26.81 359	eP	Pmax	13 33 10.3	+1.6
KLJ	Kotabumi	26.81 236	P	P	13 33 10.3	+1.4
KS01	Wonju Array Si	26.81 2	P	P	13 33 10.5	+1.8
PHET	Kaeng Krachan	26.84 276	P	P	13 33 07.7	-1.6
TRTT	Trang	27.04 267	P	P	13 33 13.1	+2.1
KMI	Kumming	27.15 305	P	P	13 33 13.8	+1.6
KMI			pP	sP	13 33 24.0	+2.0
KMI			sP	sP	13 33 28.5	+9.4
KMI			Pmax	Pmax		
MDSI	Maura D	27.16 238	P	P	13 33 11.3	-0.8
CGJI	Cibinong	27.18 232	P	P	13 33 12.9	+0.6
UTHA	Uthaitani	27.24 283	P	P	13 33 13.8	+1.0
LHSI	Lahat	27.35 240	P	P	13 33 15.0	+1.2
SUKH	Sukhothai	27.36 288	P	P	13 33 19.4	+5.5
SRDT	SRDT	27.42 281	P	P	13 33 15.6	+1.1
KASI	Kota Agung	27.48 235	P	P	13 33 15.8	+0.9
LWLI	Liwa	27.55 237	P	P	13 33 15.8	+0.1
LAMP	Lampang	27.57 290	P	P	13 33 16.9	+1.1
BKNI	Bangkinang	27.69 250	P	P	13 33 17.1	+0.2
BKNI	Bangkinang	27.69 250	eP	P	13 33 17.3	+0.4
MAJO	Matsushiro	27.80 20	eP	P	13 33 18.0	+0.4
MAJO	Matsushiro	27.80 20	iP	P	13 33 17.4	-0.2
MAT	Matsushiro	27.80 20	P	P	13 33 18.8	+1.2
MJAR	Matsushiro Arr	27.80 20	P	P	13 33 13.9	-3.7
MJB9	Matsu-Tunnel	27.82 20	eP	P	13 33 18.6	+0.9
UMPA	Umpang Tak	27.88 285	P	P	13 33 20.5	+1.9
MASI	Maura Aman, Be	28.11 242	P	P	13 33 21.1	+0.4
CM01	Chiang Mai Arr	28.18 289	eP	P	13 33 19.5	-1.7
CM31	Chiang Mai Arr	28.20 289	eP	P	13 33 19.2	-2.1

CMAR	Chiang Mai Arr	28.20 289	P	P	13 33 22.2	+0.8
CMAR	comp=Z,12nm,0.8s,baz=104,slow=6.9,SNR=12		P	P	13 36 35.1	+0.2
PMG	Port Horesby	28.24 134	P	P	13 33 20.6	-1.2
CMMT	Chiang Mai	28.27 290	P	P	13 33 22.6	+0.6
CHTO	Chiang Mai	28.27 290	eP	P	13 33 20.5	-1.6
CHTO	Chiang Mai	28.27 290	eP	Pmax	13 33 20.5	-1.6
CHTO	Chiang Mai	28.27 290	P	P	13 33 22.7	+0.6
KRJO	Kerinci	28.31 245	P	P	13 33 23.3	+0.8
PKDT	Phuket	28.36 267	P	P	13 33 25.8	+2.9
CMAI	Chiangmai	28.45 192	P	P	13 33 24.5	+0.7
FITZ	Fitzroy Crossi	28.50 183	P	P	13 33 23.9	-0.1
FITZ	Fitzroy Crossi	28.50 183	eP	P	13 33 23.0	-1.0
XAN	Xian	28.61 328	P	P	13 33 21.8	-3.2
XAN			pP	sP	13 33 32.0	+0.1
XAN			sP	sP	13 33 37.8	+3.0
XAN			Pmax	Pmax		
PDSI	Padang	28.71 248	P	P	13 33 26.0	0.0
PSI	Prapat	28.86 256	P	P	13 33 26.7	-0.7
PSI	Prapat	28.86 256	eP	P	13 36 37.8	+0.9
PSI	Prapat	28.86 256	eP	P	13 33 26.6	-0.9
MNSI	Mandailing Nat	28.88 252	P	P	13 33 27.0	-0.5
TSI	Tungtungan	29.01 258	P	P	13 33 34.4	+5.7
COEN	Coen	29.20 146	eP	P	13 33 29.7	-0.6
CD2	Chendgu	29.55 317	eP	P	13 33 34.8	+1.5
KCSI	Kotaaceh, Aceh	29.77 259	P	P	13 33 34.4	-1.0
LHMI	Lhok Sumawe	30.17 262	P	P	13 33 40.3	+1.4
LHMI	Lhok Sumawe	30.17 262	eP	P	13 33 39.1	+0.2
GSI	Gunungsitoli	30.60 254	eP	P	13 33 42.5	-0.2
GSI	Gunungsitoli	30.60 254	eP	P	13 33 40.8	-2.0
WRA	Waramung Arr	31.17 166	P	P	13 33 45.7	-1.9
WRA	comp=Z,9.2nm,0.6s,baz=342,slow=3.0,SNR=6.4		P	P	13 36 40.3	+0.5
WB2	Waramung Arr	31.17 166	eP	P	13 33 46.5	-1.2
MBWA	Marble Bar	32.31 193	eP	P	13 33 57.3	-0.3
LZH	Lanzhou	32.93 324	iP	P	13 34 05.3	+2.1
LZH			pP	sP	13 34 16.0	+3.0
LZH			PP	PP	13 34 20.3	+1.0
LZH			Pmax	Pmax	13 35 16.5	-1.3
LZH	comp=Z,75nm,1.3s		Pmax	Pmax		
LZH	comp=Z,420nm,7.0s		LR	LR		
LZH	comp=Z,6um,14.5s		LR	LR		
LZH	comp=Z,8um,16.5s		LR	LR		
HHC	Hu-ho-hao-te	33.09 338	eP	P	13 34 06.0	+1.6
HHC			Pmax	Pmax		
HHC	comp=Z,380nm,0.9s		Pmax	Pmax		
HHC	comp=Z,2um,4.6s		Pmax	Pmax		
CN2	Changchun	33.14 358	eP	P	13 34 07.5	+2.8
CN2			Pmax	Pmax		
USA0B	Ussuriysk Arr	33.80 7	eP	P	13 34 12.7	+2.3
USRK	Ussuriysk Arr	33.80 7	P	P	13 34 08.2	-2.3
MDJ	Mudanjiang	34.01 3	P	P	13 34 12.3	0.0
ERM	Ermo	34.41 22	iP	P	13 34 22.6	+6.9
ERM			Pmax	Pmax		
AS31	Alice Springs	34.69 169	eP	P	13 34 17.4	-1.0
ASAR	Alice Springs	34.69 169	P	P	13 34 18.5	+0.1
ASAR	comp=Z,23nm,0.6s,baz=357,slow=7.3,SNR=70		P	P	13 36 53.8	+1.5
AS01	Alice Springs	34.70 169	eP	P	13 34 16.7	-1.8
TEY	Ternei	35.34 121	eP	P	13 34 25.1	+1.4
CTA	Charters Tower	35.90 148	eP	P	13 34 25.2	-3.6
CTA	comp=Z,12nm,0.8s,baz=328,slow=12,SNR=5.2		P	P	13 36 57.1	+1.3
CTA	Charters Tower	35.90 148	eP	P	13 34 29.2	+0.4
CTA	Charters Tower	35.90 148	eP	Pmax	13 34 29.2	+0.4
SHL	Shillong	36.38 299	eP	P	13 34 30.9	-2.3
SHL	Shillong	36.38 299	eP	P	13 34 30.9	-2.3
GTA	Gaotai	37.53 325	iP	P	13 34 40.5	-2.2
GTA			pP	sP	13 34 49.8	0.0
GTA			sP	sP	13 34 54.3	+1.7
GTA			P	P	13 37 02.5	+1.9
YSS	Yuzh-Sakhalins	38.67 17	eP	P	13 34 53.0	+1.0
YSS	Yuzh-Sakhalins	38.67 17	iP	P	13 34 53.4	+1.4
YSS			Pmax	Pmax		
KLR	Kul'dur	38.76 5	P	P	13 34 50.8	-2.0
KLR	comp=Z,2.2nm,1.0s,baz=176,slow=4.5,SNR=12		P	P	13 37 06.0	+1.9
KLR	comp=Z,0.6nm,0.8s,baz=213,slow=2.3,SNR=3.7		P	P	13 34 53.9	+1.2
KUR	Kur'ik'sk	38.94 241	eP	P	13 34 58.1	+3.8
HIA	Hailar	39.05 353	iP	P	13 34 56.0	+0.8
HIA			Pmax	Pmax		
ULN	Ulanbaatar	40.78 339	iP	P	13 35 08.4	-1.4
ULN			Pmax	Pmax		
SOMN	Songino Array	40.99 339	P	P	13 35 10.0	-1.5
SOMN	comp=Z,12nm,0.8s,baz=168,slow=5.3,SNR=6.7		P	P	13 37 12.9	+1.5
SOM1	Songino Array	40.99 339	eP	P	13 35 13.1	+1.5
FORF	Forrest	41.11 179	eP	P	13 35 12.5	0.0
RAMN	Ramite	41.32 299	eP	P	13 35 15.4	+0.7
JIRN	Jiri	41.87 300	eP	P	13 35 19.3	0.0
GUN	Gumba	42.20 300	eP	P	13 35 21.8	-0.2
PKIN	Phulchoki	42.52 299				

31d 13h

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 31d 13h band.

2022 AUG

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 2022 AUG band.

1522

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 1522 band.

ADC 31 13:30:31.6, 0.6, 10.556N, 126.82E, h0km, mb4.4/20, mb1.4/5.20, mb1mx4.2/6.8, mbtmp4.4/20, Error ellipse: s-maj=25.8km s-min=13.5km az=76.0

ISCJB 31 13:30:32.8, 0.4, 10.55N, 126.85E, h20km, mb4.3/26, Error ellipse: s-maj=12.0km s-min=7.7km az=0.1

NEIC 31 13:30:36.0, 0.3, 10.53N, 126.84E, h35km, mb4.5/9, Error ellipse: s-maj=9.8km s-min=6.4km az=90.0

ISC 31 13:30:34.5, 0.5, 10.53N, 126.80E, h20km, n55, e07152, mb4.4/26, 10, Philippine Islands region

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations in the 1522 band.

31d 13h

ellipse: s-maj=5.7km s-min=3.6km az=87.0
DJA 31 13:36:34.5, 1.0, 10.1N, 144.7E, h37km, 10km, M5.0/24,
mB6.6/1, mb5.0/24, Mw(m)6.4/1
KLM 31 13:36:34.0, 10.19N, 127.15E, h71km, mb5.2
ISC 31 13:36:30.2, 0.3, 10.45N, 0.04, 126.94E, 0.05, h0km, n189,
e=136/196, mb4.8/90, 8C-9D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like BUTP Butuan, MSLP Maasin, etc.

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Main table with columns: LZH, HHC, CNE, etc. Lists stations like Ussuriysk Arra, Songo Array, etc.

1524

Table with columns: GERES, NEW, NVAR, etc. Lists stations like Geres Array B, Newport, etc.

13:37:26.8, 0.5, 10.75N, 126.74E, h0km, mb4.8/33,
m1.4/324, mb1.1mx4.7/65, mbmt4.8/34, ML 0.1, MS6.2/1,
Ms1 6.2/1, ms1mx5.0/67, Error ellipse: s-maj=22.0km
s-min=11.6km az=73.0
ISCJB 31 13:37:30.0, 0.2, 10.73N, 0.04, 126.89E, 0.06, h33km,
mb4.7/51, MS5.5/2, Error ellipse: s-maj=8.9km
s-min=4.9km az=168.4
NEIC 31 13:37:31.8, 0.2, 10.76N, 126.82E, h35km, mb4.7/13, Error
ellipse: s-maj=8.6km s-min=5.0km az=83.0
ISC 31 13:37:32.0, 0.3, 10.77N, 0.05, 126.79E, 0.08, h35km, n152,
e=1919/153, mb4.8/51, 8C-3D, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like TBP Tagbilaran, DAV Davao City, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AML Almayasha, EKS2 Erkin-Say, KURCH Kurchatov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PBKT Sadao Pong, IPM Iloh, KULM Kulum, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ARSA Arzberg, GERES GERESS Array B, SOKA Eskalemmuir Ar, etc.

ADC 31 13:39:10.6:0.4, 10.47N:126.94E, h0km, mb4.8/42, mb1.4/9.43, mb1mx4.7/69, mbtmp4.8/43, ML4.2/1, Error ellipse: s-maj=16.4km s-min=9.4km az=76.0

NEIC 31 13:39:15.7:0.2, 10.43N:126.85E, h35km, mb4.9/21, Error ellipse: s-maj=6.1km s-min=4.0km az=85.0

ISCJBJ 31 13:39:11.9:0.2, 10.41N:103.126:91E:0.05, h20km, mb4.8/62, Error ellipse: s-maj=7.1km s-min=4.7km

NEIC 31 13:39:13.8:0.4, 10.45N:105.126:90E:0.08, h20km, n128, s100/129, mb4.9/57, S-CD, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TBP Tagbilaran, TMTI Ternate, etc.

Table with columns: STA, Charters Tower, Frequency, Mode, and other technical details. Includes stations like CTA, GTA, YSS, KLR, etc.

Table with columns: LPRS, MOS, OBN, ATD, ANN, INK, SPITS, ARCES, SIM, BESE, BR13, BRTR, FIA1, FINES, VSU, ANTO, AKASA, AKK1, NACGM, KIS, KIS, TLR, TLR, TIRR, TIRR, TLB, TLB, TESR, VRI, VRI, PLOH, PLOH, KMBO, BURAR, BURAR, BURAR, VVND, MAW, MLR, MLR, MLR, LZH, DRGR, DRGR, CRVS, CRVS, NB2, NOA, VTS, VTS, YKA, YKB5, VYHS, VYHS, VYHS, MORC, JAVC, VYAC, KRUC, PDG, CONA, CLL, CLL, ARSA, LON, LON, GERES, SOKA, MOA, ABTA, WTTA, MOTA, FETA, DAVA, DAVOX, NVAR, TXAR, Q39A, R39A, S39A, R41A, LATQ, U39A, T40A, S41A, U40A, S42A, TORD, V40A, X39A, X29A, U41A

Table with columns: MIAR, O50A, S48A, 341A, P53A, V48A, U50A, T51A, V50A, X49A, TKL, W53A, 149A, DBIC, PLCA

IDC 31 13:43:51.3z 1.9, 10.04N; 126:39:19E, h0km, mb4.3/6, mb1.4/3.6, mb1mx4.2/69, mbtmp4.3/6, Error ellipse: s-maj=81.8km s-min=43.4km az=69.0

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like CISI, PBKT, IPM, KULM, INU, KSAR, KRSR, CM31, ASO1, MK32, MKAR, KURK, KURB, BVAR, FIAO, FINES, FIAO, PLCA

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like PRU 31, OKC, OKC, MORC, MORC, KRCL, KRCL, LANS, LANS, DPC, DPC, JAVC, KRUC

IDC 31 13:45:10.3z 0.5, 10.42N; 126:77:7E, h0km, mb4.3/29, mb1.4/4.29, mb1mx4.2/69, mbtmp4.3/29, Error ellipse: s-maj=23.9km s-min=11.4km az=77.0

ISCJB 31 13:45:11.5z 0.3, 10.39N; 126:80:0E, h20km, mb4.3/32, Error ellipse: s-maj=12.2km s-min=7.0km az=167.4

NEIC 31 13:45:15.5z 0.2, 10.40N; 126:79:6E, h35km, mb4.5/6, Error ellipse: s-maj=8.1km s-min=4.6km az=77.0

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like BATI, JNU, MYKOA, PBKT, IPM, KSAR, KRSR, CMAR, PMG, FITZ, FITZ, WR1, WRA, USRK, ASAR, ASAR, ASO1, SONAO, SONM, STKA, PETK, PE1, MK01, MK31, MK32, MKAR, ZALV, ZAA1, KURK, KURB, BVAR, AKTO, ARU, ARU, KBZ

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILAR Eielson Array, INK Inuvik, ARAO ARCESS Array S, etc.

13:48:03.0, 0.5, 10.42N, 126.99E, h0km, mb4.3/30, m1 4.4/30, mb1mx4.2/67, mbtmp4.3/30, Error ellipse: s-maj=21.7km s-min=10.4km az=79.0

13:48:04.5, 0.3, 10.37N, 127.00E, h0km, h20km, mb4.3/36, Error ellipse: s-maj=11.9km s-min=6.4km az=171.3

13:48:08.3, 0.3, 10.38N, 127.02E, h35km, mb4.7/8, Error ellipse: s-maj=10.6km s-min=5.4km az=80.0

13:48:06.3, 0.5, 11.57N, 127.00E, h1km, n59, s-09659, mb4.3/36, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOW Kunigami, JOW Kunigami, BATI Baumata, etc.

13:51:21.8, 0.5, 10.82N, 126.75E, h0km, mb4.3/31, m1 4.4/33, mb1mx4.3/68, mbtmp4.3/33, ML3.6/2, Error ellipse: s-maj=18.5km s-min=10.5km az=84.0

13:51:24.9, 0.3, 10.80N, 126.74E, 0.0, h4, h33km, mb4.2/37, Error ellipse: s-maj=5.9km s-min=5.1km az=153.3

13:51:26.9, 0.2, 10.81N, 126.82E, h35km, mb4.4/7, Error ellipse: s-maj=8.0km s-min=4.7km az=83.0

MAN 31 13:51:28.5, 10.86N, 126.38E, h19km, mb4.5, ML3.4, MS3.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BESP Borongan, MSLP Maasin, CNP Cataman, etc.

13:55:04.0, 0.4, 10.57N, 126.77E, h0km, mb4.4/36, m1 4.4/37, mb1mx4.3/70, mbtmp4.4/37, ML4.1/1, Error ellipse: s-maj=18.0km s-min=9.2km az=74.0

13:55:05.7, 1.8, 10.61N, 126.90E, 0.0, h20km, 13km, mb4.4/47, Error ellipse: s-maj=6.0km s-min=4.5km az=164.5

13:55:05.4, 10.71N, 126.94E, h22km, mb5.2, ML4.2, MS4.3

13:55:09.4, 0.2, 10.55N, 126.81E, h35km, mb4.4/22, Error ellipse: s-maj=8.2km s-min=4.6km az=77.0

13:55:14.9, 1.7, 10.71N, 127.12E, 1.0, h47km, 12km, comp=2.1, mb4.8/10

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BESP Borongan, MSLP Maasin, CNP Cataman, etc.

13:55:08.7, 3.4, 10.62N, 126.87E, 0.0, h29km, 25km, n100, 11:23, 108, mb4.4/47, 2C, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BESP Borongan, MSLP Maasin, CNP Cataman, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOW Kunigami, BNSI Bone, SBUM Sibutu, etc.

13:56:02.3, 0.3, 33.01N, 115.55W, 0.0, h24km, 4km, Error ellipse: s-maj=3.7km s-min=2.9km az=155.4

13:56:02.7, 0.0, 33.02N, 115.54W, h10km, ML3.5(PAS), After PAS

13:56:03.0, 0.6, 33.04N, 115.56W, h8km, MD3.3, ML3.5, 13:56:01.5, 0.9, 33.06N, 115.55W, 0.0, h16km, 7km, ECX 31

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n48, c080/70, 6C-10D, Southern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like SNR Schaffner Ranc, SWSC Sam W. Stewart, COK Cook Ranch, DREC Desert Rsrch C, etc.

Code Station Name Az AzZ Phase ID Time Res h m s ISC
DJA 31 14:05:10.1,2,4,3,S:18x14.0E11.2, h18km,25km, M3.8/3, M3.3/3, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like OCLP Ormoc, LLP Lapu-Lapu, RCP Roxas, etc.

Code Station Name Az AzZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 31.10 165 P 14 12 41.4 -1.2

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0.2nm,0.6s,baz=344,slow=9.0,SNR=2.9
ASAR Alice Springs 34.60 168 P 14 13 14.4 +1.2

IDC 31 14:06:57.2,0.8, 10.74N:126.68E, h0km, mb4.1/9, mb1.4/19, mb1mx3.8/66, mbtmp4.1/9, Error ellipse: s-maj=73.1km s-min=16.0km az=71.0

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SBUM Sibiu 16.64 241 ePn 14 10 56.0 +1.3

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SOEI Soe 20.52 187 eP 14 11 37.0 -0.5

Code Station Name Az AzZ Phase ID Time Res h m s ISC
AS31 Alice Springs 34.90 169 eP 14 13 51.0 +0.4

Code Station Name Az AzZ Phase ID Time Res h m s ISC
ASAR Alice Springs 34.90 169 P 14 13 51.0 +0.3

Code Station Name Az AzZ Phase ID Time Res h m s ISC
KLR Kul'dur 38.59 5 P 14 15 22.4 +0.7

Code Station Name Az AzZ Phase ID Time Res h m s ISC
MK01 Makanchi Array 51.95 322 eP 14 16 07.8 0.0

IDC 31 14:07:52.2,0.8, 10.56N:126.69E, h0km, mb4.2/10, mb1.4/210, mb1mx3.9/65, mbtmp4.2/10, Error ellipse: s-maj=49.4km s-min=17.0km az=73.0

Code Station Name Az AzZ Phase ID Time Res h m s ISC
JUNU Nakatsue 22.73 9 eP 14 12 54.0 -2.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
MTN Manton Dam 23.68 169 eP 14 13 03.7 -2.0

Code Station Name Az AzZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 31.24 166 P 14 14 13.3 -0.3

Code Station Name Az AzZ Phase ID Time Res h m s ISC
AS31 Alice Springs 34.75 169 eP 14 14 44.5 +0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
ASAR Alice Springs 34.75 169 P 14 14 44.5 +0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
ASAR Alice Springs 34.75 169 P 14 14 44.5 +0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 31.24 166 P 14 14 27.4 -1.4

Code Station Name Az AzZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 31.24 166 P 14 14 27.4 -1.4

Code Station Name Az AzZ Phase ID Time Res h m s ISC
WRA Warramunga Arr 31.10 165 P 14 12 41.4 -1.2

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1.3nm,0.5s,baz=94,slow=9.0,SNR=11
HFS Hagfors 92.02 333 P 14 23 16.5 -1.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
PLCA Paso Flores 146.28 156 P 14 29 50.4 -0.3

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SHO Shikotan 0.42 5 iP 14 13 33.0 +0.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SHO 105nm,0.2s 0.42 5 iP 14 13 33.0 +0.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SHO 53nm,0.2s 0.42 5 iP 14 13 33.0 +0.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SHO 39nm,0.2s 0.42 5 iP 14 13 33.0 +0.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
SHO 561nm,0.2s 0.42 5 iP 14 13 33.0 +0.1

Code Station Name Az AzZ Phase ID Time Res h m s ISC
NEM2 Nemuro 2 0.76 264 P 14 13 37.0 -0.5

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK Yuzh-Kuril'sk 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK 79nm,0.2s 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK 43nm,0.2s 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK 216nm,0.2s 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK 252nm,0.3s 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
YUK 333nm,0.3s 0.89 311 iP 14 13 39.0 -0.2

Code Station Name Az AzZ Phase ID Time Res h m s ISC
GRPR Tuman 0.91 307 iP 14 13 39.0 -0.6

Code Station Name Az AzZ Phase ID Time Res h m s ISC
GRPR 162nm,0.3s 0.91 307 iP 14 13 39.0 -0.6

Code Station Name Az AzZ Phase ID Time Res h m s ISC
GRPR 413nm,0.4s 0.91 307 iP 14 13 39.0 -0.6

Code Station Name Az AzZ Phase ID Time Res h m s ISC
GRPR 351nm,0.4s 0.91 307 iP 14 13 39.0 -0.6

Code Station Name Az AzZ Phase ID Time Res h m s ISC
LAGR Lagunnoye 0.94 310 eP 14 13 40.0 0.0

Code Station Name Az AzZ Phase ID Time Res h m s ISC
LAGR 157nm,0.3s 0.94 310 eP 14 13 40.0 0.0

Table with columns: Code, Station Name, Az, El, P, Res. Rows include SONAO Sogino Array, SONMI Sogino Array, STKA Stephens Creek, etc.

Table with columns: BRTR, Lg, Lg, Time, Res. Rows include baz=100,slow=24,SNR=1.9, BRTR Keskin Array B, etc.

Table with columns: BNSI, Pn, P, Res. Rows include 33nm,1.2s, BNSI Bone, JOW Kunigami, etc.

ISCJBJ 31:14:49.9.0.1,39:50N,0:02.40E,0:02,h1km,3km, mb4.2/13, Error ellipse: s-maj=2.8km s-min=2.1km az=20.4

MOS 31:14:49.8.1.4,39:47N,39:92E,h11km,mb4.3/11, Error ellipse: s-maj=10.6km s-min=6.6km az=73.4

DDA 31:14:49.4.39:51N,0:03E,h16km,ML4.2/16 ISK 31:14:49.9.0.39:51N,0:03E,h5km,ML4.2/16

IDC 31:14:49.9.0.39:46N,39:90E,h0km,mb4.0/12, mb1.4/0.20, mb1mx3.8/8.5, mbtmp4.0/20, ML3.4/6, Error ellipse: s-maj=15.7km s-min=9.2km az=155.0

ISC 31:14:45.0.0.1.1,39:48N,0:02.399E,0.01,h2km,3km, n121,r153/140,mb4.2/13,7C-5D, Turkey

Main station list table with columns: Code, Station Name, Az, El, P, Res. Rows include ERZN Erzincan, EUZM Uzumlu, YEDI Yedisu-Bingol, etc.

Table with columns: BRTR, Lg, Lg, Time, Res. Rows include baz=100,slow=24,SNR=1.9, BRTR Keskin Array B, etc.

BUI 31:14:55.6.9:96N,127:03E,h33km,mb4.8/48,mb5.2/4, Ms5.4/8, Ms7.5/8

IDC 31:14:57.2.0.3, 10:46N,126:60E,h0km,mb4.7/39, mb1.4/7.43, mb1.6/10.670, mbtmp4.7/43, ML3.9/4, Error ellipse: s-maj=15.2km s-min=7.4km az=85.0

ISCJBJ 31:14:58.2.1.2, 10:50N,0:03.126:69E,0:05,h29km,5km, mb4.7/88, Error ellipse: s-maj=4.2km s-min=3.6km az=15.4

MAN 31:14:59.7.10:64N,126:81E,h33km,mb5.5,ML4.5, MS4.8

KLM 31:14:16:01.0, 10:23N,126:70E,h13km,mb5.1 NEIC 31:14:16:02.6.0.1, 10:47N,126:67E,h35km,mb4.9/39, Error ellipse: s-maj=6.0km s-min=3.5km az=87.0

DJA 31:14:16:02.1.1.1, 11:1N,127:12E,h40km,8km, M5.0/37, mb5.4/2, mb5.0/37, Mw(MB)4.9/2

ISC 31:14:16:01.9.0.7, 10:50N,0:03.126:69E,0:05,h29km,5km, n186,r1938/205,mb4.8/38,5C-4D, Philippine Islands region

Table with columns: Code, Station Name, Az, El, P, Res. Rows include PLP Palo, MSLP Maasin, BUTP Butuan, etc.

Table with columns: BNSI, Pn, P, Res. Rows include 33nm,1.2s, BNSI Bone, JOW Kunigami, etc.

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

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Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IDC 31, WARRAMUNGA ARR, ASAR, etc.

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

AS01	Alice Springs	60.57	187	eP	P	14 36 41.8	+0.3
ASAR	Alice Springs	60.58	187	eP	P	14 36 40.8	-0.8
ARA0	ARCESS Array S	63.89	339	eP	P	14 37 02.4	-0.9
ARCES	ARCESS Array B	63.89	339	eP	P	14 37 02.4	-0.9
YKA	Yellowknife Arr	64.24	30	eP	P	14 37 05.3	-0.3
FIAD	FINESS Array S	66.63	332	eP	P	14 37 33.1	-0.6
FINES	FINESS Array B	66.63	332	eP	P	14 37 33.1	-0.6
KBZ	Khabaz	70.50	310	P	P	14 37 45.7	+0.1
HFS	Hagfors	73.94	335	eP	P	14 38 05.7	-0.2
AKAS	Malin Array Be	74.01	322	P	P	14 38 06.0	-0.5
NB2	NORSAR Subarra	74.06	337	P	P	14 38 06.5	-0.1
NOA	NORSAR Array B	74.06	337	P	P	14 38 06.8	+0.2
NVAR	Minna Array Be	75.57	53	P	P	14 38 17.4	+1.4
PDAR	Pinedale Array	76.21	45	P	P	14 38 30.0	-0.9
CLL	Collim	80.29	330	eP	P	14 38 45.0	-0.0
MMAI	Mount Meron Arr	81.52	305	P	P	14 38 48.7	-0.0
GERES	GERESS Array B	82.48	328	P	P	14 38 53.4	-0.1
TX31	Lajitas Arr. Si	90.70	52	eP	P	14 39 35.2	+1.0
LTX	Lajitas	90.70	52	eP	P	14 39 35.2	+1.0
TXAR	Lajitas Array	90.70	52	eP	P	14 39 35.2	+1.0
LPAZ	La Paz	147.31	59	PKPbc	PKPbc	14 46 16.2	+0.4

MAKZ	Makanchi	52.31	322	eP	P	14 37 10.3	0.0
ZAA0	Zalesovo Array	54.64	331	eP	P	14 37 27.8	+0.6
ZALV	Zalesovo Beam	54.64	331	eP	P	14 37 27.3	+0.1
ZALV	Zalesovo Beam	54.64	331	eP	P	14 37 26.6	-0.6
ZAA1	Zalesovo Array	54.64	331	eP	P	14 37 27.3	+0.1
KURB	Kurchatov	56.13	325	eP	P	14 37 38.5	+0.5
KURB	Kurchatov Arra	56.14	325	P	P	14 37 38.5	+0.5
KK31	Karatay Array	58.40	314	eP	P	14 37 55.2	+1.0
KKAR	Karatay Array	58.40	314	eP	P	14 37 55.2	+1.0
TIXI	Tiksi	61.13	1	P	P	14 38 12.9	+0.5
BVAR	Borovyoye Array	61.73	325	P	P	14 38 16.8	+0.1
BRVK	Borovyoye	61.80	325	eP	P	14 38 17.7	+0.4
NR1K	Noril'sk	63.91	346	P	P	14 38 31.4	+0.4
ARU	Arui	62.98	327	eP	P	14 39 04.4	-1.0
IM3	Indian Moutai	76.24	24	eP	P	14 39 47.8	+1.2
KDKA	Kodiak Island	76.25	33	P	P	14 39 48.3	+1.5
KDKA	Kodiak Island	76.25	33	P	P	14 39 48.3	+1.5
CAST	Castle Rocks	76.76	27	eP	P	14 39 51.2	+1.5
BPAW	Bear Paw Mtn.	77.28	26	eP	P	14 39 54.0	+1.4
ILAR	Eielson Array	79.07	26	P	P	14 40 01.9	-0.5
INAK	Inuvik	83.93	22	P	P	14 40 27.7	-0.3
ARAO	ARCESS Array S	84.14	340	P	P	14 40 29.1	0.0
ARCES	ARCESS Array B	84.14	340	P	P	14 40 29.1	0.0
FIA1	FINESS Array S	85.90	332	eP	P	14 40 38.4	+0.4
FIAS	FINESS Array S	85.90	332	eP	P	14 40 38.4	+0.4
FIAS	FINESS Array B	85.90	332	eP	P	14 40 38.4	+0.3
AKAS	Malin Array Be	86.65	321	P	P	14 40 41.4	-0.6
VNDA	Vanda	90.09	173	P	P	14 40 58.0	+0.4
VNDA	Vanda	90.09	173	eP	P	14 40 58.0	+0.4
CRVS	Cervenica-Dubn	91.99	320	eP	P	14 41 07.0	-0.2
HFS	Hagfors	92.05	333	eP	P	14 41 07.0	-0.2
NB2	NORSAR Subarra	92.75	334	P	P	14 41 09.0	-1.5
NOA	NORSAR Array B	92.75	334	P	P	14 41 09.1	-1.5
YKA	Yellowknife Arr	93.34	24	eP	P	14 41 13.1	-0.2
CLL	Collim	96.16	325	eP	P	14 41 29.0	+2.7
GERES	GERESS Array B	96.78	322	P	P	14 41 28.8	-0.5
TXAR	Lajitas Array	117.37	49	PKP	PKP	14 46 46.0	+1.5
TORD	Tordi Arr. Bea	120.57	292	PKP	PKP	14 46 50.3	-0.6
PLCA	Paso Flores	146.23	156	PKPbc	PKPbc	14 47 39.5	-0.3

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
ATD	Arta Tunnel	7.70	258	Op	h m s	ISC
GEYT	Alibec	25.50	14	Pn	14 40 26.4	+0.8
AKAS	Malin Array Be	74.01	322	P	14 44 02.9	+1.1
BVAR	Borovyoye Array	42.73	78	P	14 46 17.7	-0.1
MKAR	Makanchi Array	52.31	322	P	14 46 29.9	-0.5
KURB	Kurchatov Arra	43.69	26	P	14 46 39.0	+0.8
CMAR	Chiang Mai Arr	46.76	77	P	14 47 02.3	-0.8
TORD	Tordi Arr. Bea	47.48	27	P	14 47 07.8	-1.0
ZALV	Zalesovo Beam	48.77	26	P	14 47 17.8	-0.4
FINES	FINESS Array B	51.28	345	P	14 47 37.1	0.0
HFS	Hagfors	54.05	338	P	14 47 57.2	-0.4
NOA	NORSAR Array B	55.56	338	P	14 48 08.1	-0.5
ASAR	Alice Springs	60.57	187	P	14 51 30.8	+0.5

DJA 31 14:38:38.3±0.5, 11°N, 4°12'7"E, h10km, M5.0/18, mb5.9/4, mb4.8/18, Mw(mb)5.5/4
 IDC 31 14:38:38.1±0.4, 11°00'N, 126°78'E, h0km, mb4.4/29, mb1.4/31, mb1mx4.3/69, mbtmp4.4/31, ML3.5/2, MS5.5/1, Ms1.5/5.1, ms1mx4.5/70, Error ellipse: s-maj=20.4km s-min=8.5km az=79.0

IDC 31 14:27:33.2±0.2, 10°50'N, 126°74'E, h0km, mb3.9/5, mb1.4/0.5, mb1mx3.5/65, mbtmp3.9/5, Error ellipse: s-maj=199.0km s-min=20.7km az=68.0, Philippine Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
WRA	Warramunga Arr	31.17	166	Op	h m s	ISC
ASAR	Alice Springs	34.68	168	P	14 34 25.2	+0.4
MKAR	Makanchi Array	52.32	322	P	14 36 46.1	+0.7
KURB	Kurchatov Arra	56.14	325	eP	14 37 14.5	-0.1
FINES	FINESS Array B	85.90	332	P	14 40 14.0	-0.9

IDC 31 14:27:56.6±0.5, 10°46'N, 126°67'E, h0km, mb4.5/29, mb1.4/5/30, mb1mx4.3/66, mbtmp4.3/30, ML3.1/1, Error ellipse: s-maj=21.3km s-min=10.6km az=79.0
 BUJ 31 14:27:57.1, 9°88'N, 126°48'E, h37km, mb4.7/18
 MAN 31 14:28:00.3, 10°58'N, 126°74'E, h40km, mb4.8, ML3.7, MS3.7
 ISCJB 31 14:28:01.0±0.3, 10°51'N, 126°73'E, h0.4/4, h44km, mb4.5/45, Error ellipse: s-maj=6.0km s-min=4.6km az=137.2

NEIC 31 14:28:01.6±0.3, 10°43'N, 126°69'E, h35km, mb4.6/19, Error ellipse: s-maj=8.6km s-min=5.8km az=68.0
 ISC 31 14:28:03.0±0.4, 10°48'N, 126°51'E, h44km, n87, +138/92, mb4.6/45, 2C, Philippine Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
PLP	Palo	1.82	292f	eP	14 42 29.9	-1.9
MSLP	Maasin	1.84	259	eS	14 42 52.8	-0.8
MSLP	Maasin	1.84	259	eS	14 42 55.3	+1.1
BUTP	Butuan	1.84	215	eP	14 42 31.0	-1.1
BUTP	Butuan	1.84	215	eS	14 42 55.2	+1.1
LLP	Lapu-Lapu	2.69	267	eP	14 42 42.5	-1.2
BUKP	Musuan	3.05	212	eS	14 42 14.9	-0.2
BUKP	Musuan	3.05	212	eS	14 42 34.4	+1.0
RCP	Roxas	4.02	286f	eP	14 42 01.6	-0.4
JOW	Kunigami	16.33	5	Pn	14 41 48.8	-0.5
JOW	Kunigami	16.33	5	eP	14 41 53.7	+2.1
SBUM	Sibu	16.44	242	ePn	14 41 54.2	+1.3
MMRI	Maumere	19.50	193	eP	14 42 24.4	-2.3
SOE	Soe	20.25	187	eP	14 43 31.4	-3.5
JNU	Nakatsue	22.86	9	P	14 43 02.9	+0.3
JNU	Nakatsue	22.86	9	eP	14 43 02.9	+0.3
WHN	Wuhan	23.03	332	P	14 43 05.8	+1.5
MYKOM	Kota Tinggi	24.28	251	eP	14 43 16.9	+0.5
CHAI	Chaiyaphum	24.64	285	P	14 43 22.9	+3.2
IPM	Ipong	26.13	259	eP	14 43 33.6	+0.4
PHET	Kaeng Krachan	26.61	278	P	14 43 43.4	+5.9
KWJ5	Wonju Array Si	26.86	2	eP	14 43 37.4	-2.2
KSAR	Wonju Array Be	26.86	2	P	14 43 38.6	-0.9
KSR5	Korea Array	26.86	2	P	14 43 38.7	-1.0
INCN	Incheon	26.88	360	eP	14 43 38.4	-1.3
KS01	Wonju Array Si	26.90	2	eP	14 43 36.7	-3.1
MAJO	Matsushiro Arr	27.96	20	P	14 43 47.9	-1.5
MJAR	Matsushiro Arr	27.96	20	P	14 43 47.9	-1.5
CMAR	Chiang Mai Arr	27.98	290	P	14 43 48.8	-1.0
CMAR	Chiang Mai Arr	27.98	290	PcP	14 37 06.5	+2.2
FITZ	Fitzroy Crossi	28.42	182	P	14 43 52.6	-1.0
XAN	Xi'an	28.54	328	P	14 43 54.3	-0.4
XAN	Xi'an	28.54	328	eP	14 34 03.8	-2.6
XAN	Xi'an	28.54	328	eP	14 34 08.5	-3.2
PSI	Prapra	28.60	256	eP	14 33 54.6	-0.8
BJT	Banjaiatuau	30.86	344	eP	14 34 12.6	-2.5
WRA	Warramunga Arr	31.16	166	eP	14 34 15.7	-2.1
WRA	Warramunga Arr	31.16	166	P	14 34 15.7	-2.2
USRK	Ussuriysk Arr	33.90	7	P	14 34 40.1	-1.5
ASAR	Alice Springs	34.67	168	P	14 34 48.5	-0.0
CTA	Charters Tower	35.97	148	P	14 34 59.5	-0.2
GTA	Gaotai	37.45	325	eP	14 35 12.8	+0.5
GTA	Gaotai	37.45	325	eP	14 35 23.8	-0.5
GTA	Gaotai	37.45	325	eP	14 35 29.8	+0.3
KLR	Kul dur	38.85	5	P	14 35 23.9	0.0
SONA0	Songino Array	40.97	339	eP	14 35 41.5	0.0
SONM	Songino Array	40.97	339	P	14 35 41.5	0.0
SONA	Songino Array	40.97	339	eP	14 35 42.5	+0.9
STKA	Stephens Creek	44.47	162	P	14 36 09.5	-0.5
STKA	Stephens Creek	44.47	162	P	14 36 09.5	-0.5
PETK	Petrovopovsk	49.27	24	P	14 36 48.0	+0.7
PEA1	Petrovopovsk	49.28	24	P	14 36 48.0	+0.7
MK01	Makanchi Array	52.31	322	eP	14 37 08.6	-0.1
MK31	Makanchi Array	52.11	322	eP	14 37 09.2	-0.4
MK32	Makanchi Array	52.11	322	eP	14 37 09.1	+0.3
MKAR	Makanchi Array	52.11	322	eP	14 37 09.1	+0.3

IDC 31 14:29:33.9±1.5, 10°25'N, 126°55'E, h0km, mb3.9/6, mb1.4/0.6, mb1mx3.6/66, mbtmp3.9/6, Error ellipse: s-maj=148.5km s-min=20.3km az=69.0, Philippine Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
WRA	Warramunga Arr	30.96	166	Op	h m s	ISC
ASAR	Alice Springs	34.68	168	P	14 36 22.6	-1.0
MKAR	Makanchi Array	52.32	322	eP	14 38 46.9	+0.1
KURB	Kurchatov Arra	56.25	325	P	14 39 16.4	+0.3
ARCES	ARCESS Array B	84.31	340	P	14 42 06.9	-0.6
FINES	FINESS Array B	86.04	332	P	14 42 16.2	-0.1

KRSC 31 14:35:21.1±0.8, 55°35'N, 160°72'E, h167km, 7km, ML3.6, Kamoharika Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
KMNR	Kamenistaya	0.36	310	Op	14 35 45.1	+1.1
TUMD	Tumrok D	0.38	209	eP	14 35 45.2	+1.2
TUMD	Tumrok	0.41	233	eS	14 35 02.3	+0.9
TUMR	Tumrok	0.41	233	eS	14 35 03.4	+1.5
BZGR	Bezymyanni-Gr	0.41	358	eP	14 35 40.4	+0.8
BZMR	Bezymyannaya	0.43	342	eP	14 35 45.1	+0.8
BZWR	Bezymyanni-We	0.45	344	eP	14 36 03.1	+0.9
BZWR	Bezymyanni-We	0.45	344	eP	14 35 55.3	+1.1
KIRR	Kirishev	0.47	333	eP	14 35 41.1	+0.6
KIRR	Kirishev	0.47	333	eP	14 35 41.1	+0.6
ZLNN	Zelenaya	0.49	5	eP	14 35 46.0	+1.5
KPT	Kopyto	0.52	327	eP	14 35 45.3	+2.0
LGNR	Lognina	0.56	358	eP	14 35 48.4	+1.4
CIRR	Tsirik	0.59	2	eP	14 35 04.4	+0.9
CIRR	Tsirik	0.59	2	eP	14 35 46.1	+1.1
KRSR	Krestovskiy</					

31d 15h

Table with columns: MOY, comp-Z, Time, Res, pmax, pmax, ARMA, WMO, WMQ, WMQ, WMQ, BOD, HVS, PETK, DZM, DGK, MA2, MK01, MK31, MKAR, MKAR, MAKZ, MAKZ, MAKZ, KSH, KSH, ULHL, ZAAO, ZALV, ZALV, ZALV, KZA, SKY2, THEM, CHMS, FRU, AAK, NVS, NVS, NVS, AML, KURK, KURK, KURB, KK31, TIXI, TIXI, BVAO, BVAO, BVAR, BRVK, BRVK, NR1K, GEYT, AB31, AB31, ABKAR, BKZ, SVZ, SVE, AKTO, AKTO, ARU, ARU, ARU, KDAK, IM3, CAST, BPAW, MLY, ZE1, ZE1, TOLK, PMR, PMR, MCK, MCK, RND, RND, RND, RAYN, AKH, SML, WRH, KBZ, CCB, KIV, KIV, SCM, HDA, VRH

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Table with columns: VRH, comp-Z, Time, Res, pmax, pmax, ILI, ILAR, ILB, RIDG, SCRK, VORD, VORD, VSR, VSR, LPSR, LPSR, MOS, MOS, EGK, DZG, MA2, MA2, MK01, MK31, MKAR, MKAR, MAKZ, MAKZ, MAKZ, KSH, KSH, ULHL, ZAAO, ZALV, ZALV, ZALV, KZA, SKY2, THEM, CHMS, FRU, AAK, NVS, NVS, NVS, AML, KURK, KURK, KURB, KK31, TIXI, TIXI, BVAO, BVAO, BVAR, BRVK, BRVK, NR1K, GEYT, AB31, AB31, ABKAR, BKZ, SVZ, SVE, AKTO, AKTO, ARU, ARU, ARU, KDAK, IM3, CAST, BPAW, MLY, ZE1, ZE1, TOLK, PMR, PMR, MCK, MCK, RND, RND, RND, RAYN, AKH, SML, WRH, KBZ, CCB, KIV, KIV, SCM, HDA, VRH

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Table with columns: comp-Z, Time, Res, pmax, pmax, TXAR, TORI, TORI, KOSAN, DBIC, TIC, LIC, PLCA, LPAZ, LPAZ, PTGA, IDC 31 15:04:08.2, VANDA, ASAR, WRA, ILAR, INK, ISCJB 31 15:04:42.3, ISC 31 15:04:42.7, ANTO, LOD, LOD, AFAR, ELDT, ELDT, KAMT, KAMT, KAMT, CDAG, CDAG, CDAG, BCAM, BCAM, AUSV, AUSV, AKSY, AKSY, KIZT, COAL, IDC 31 15:06:39.8, ISCJB 31 15:06:42.6, ISC 31 15:06:45.1, Code, Station Name, A, AZ, Phase ID, Time Res, PLP, WRA, ASAR, MKAR, ZALV, KURB, MAN 31 15:11:51.4, Code, Station Name, A, AZ, Phase ID, Time Res, BUYP, ELFP, CTBH, CTBH, CGP, CGP, IDC 31 15:13:36.5, ISCJB 31 15:13:37.0, NEIC 31 15:13:37.0, Code, Station Name, A, AZ, Phase ID, Time Res, ATD, ASIF, ASIF, MMAI, GEYT, H08N2, H08N2, H08N2, H08N2, AAK, AKTO, KIEV, AKASG, BVAR, BVAR, MKAR, KURB, KURB, KURB, GERES, CMAR, TORI

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ZALV Zalesovo Beam, FINES FINES Array B, HFS Hagfors, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RCP Roxas, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LLP Lapu-Lapu, CGP Cagayan de Oro, SSSLB Saunglung, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ANA2 Anatahan, BATI Baumenta, JNU Nakatsune, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include KSAR Wonju Arr, KRSR Korea Arr, CM31 Chiang Mai Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ILAR Arces Arr, ARCES Arces Arr, MMAI Mount Meron Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include FINES FINES Array B, AKASO Malin Array Be, BURQA Burquina Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TBP Tagbilaran, JOW Kunigami, BATI Baumenta, etc.

Code Station Name Az Az' Phase ID Time Res ISC

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

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include ATD Arta Tunnel, KMBO Kilima Mbogo, KMBO Kilima Mbogo, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include EIL Elat, ASF Jabal Asfar, MMAI Mount Meron Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include GEYT Alibee, H0N2 Diego Garcia H, H0N3 Diego Garcia H, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BRTR Keskin Array B, KRSR Korea Arr, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include LLP Cagayan de Oro, CGP Cagayan de Oro, SNPH Sibulan, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include TTSI Tana Toraja, SPSI Sidrap Palu, BNSI Binem, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BNSI Binem, MTKI Muara Tehew, JOW Kunigami, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BNSI Binem, MTKI Muara Tehew, JOW Kunigami, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, KSAR Wonju Arr, KRSR Korea Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, KSAR Wonju Arr, KRSR Korea Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, KSAR Wonju Arr, KRSR Korea Arr, etc.

Code Station Name Az Az' Phase ID Time Res ISC

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IDC 31 15:44:52.8,0.6,13.131N:50:47E,h0km,mb4.4/36,mb1.4/5.39,mb1mx4.4/7.3,mb1mx4.4/3.9,ML3.5/2,Error ellipse: s-maj=14.8km s-min=11.7km az=13.0, BUI 31 15:44:53.3,13.30N:50:40E,h10km,mb4.8/4.2,mb4.8/3,Ms5.0/2,Ms7.4/9.2, ISCJB 31 15:44:55.3,0.3,13.34N:0:05:50.43E,0:03,h21km,mb4.6/7.5,MS4.7/1,Error ellipse: s-maj=6.6km s-min=3.9km az=171.4, NEIC 31 15:44:55.2,0.3,13.32N:50:49E,h10km,mb4.7/2.2,Error ellipse: s-maj=7.4km s-min=6.3km az=169.0, OMAN 31 15:44:58.1,1.5,13.39N:50:59E,h10km,Error ellipse: s-maj=70.2km s-min=39.0km az=9.0

ISC 31 15:44:57.3,0.4,13.38N:0:07:50.36E,0:05,h21km,n180,c1577/186,mb4.7/10,11C-7D,Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ABTO Aybut, ADEN Aden, WHFO Wadi Hawf, DAMY Dhamar, DHHB Dhamar BB, UDVN Al Udayn, UDYN Arta Tunnel, ATD Arta Tunnel, RAYN Ar Rayn, BSY Bisya, JAO Jao, SMDO Samad, WSAR Wadi Sarin, UOSS Minazif, KMBO Kilima Mbogo, KMBO Kilima Mbogo, EIL Elat, ASF Jabal al Asfar, MMAR Mount Meron Ar, MBAR Mbarara, GEYT Alibeck, GYA08 ALIBECK ARRAY, KBL Kabul, GNI Garmi, H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, BRTR Keskin Array B, ANTO Anker, KBZ Khabaz, PYUN Piuthan, KOLN Koldanda, DANN Dangsing, KSH Kashi, GKN Gorkha, DMN Daman, KKN Kakani, PKIN Phulchoi, AAK Ala-Archa, AAK Ala-Archa, LSZ Lusaka, GUN Gumba, TIRR Tigrisour, JIRN Jiri, RAMN Ramite, ABKAR Akbulak array, FNA Florin, VTS Vitohsa, AKTO Aktyubinsk, PRZ Przheval'sk, VRI Vrincine, KIS Kishinev, PLOR Plostina, MLR Muntele Rosu, MLR Muntele Rosu, MLR Muntele Rosu, VOIR Arges, DOPR Dopca, SORM Soroca, TIP Tipogradane, BURAR Bucovina Array, BUR04 Bucovina Ar, BUR08 Bucovina Ar, DIVS Divibare, DRGR 4059 331, AK11 Malin Array Si, AKASO Malin Array Be, AKASG Malin Array Si, AKKB Malin Array Si, TRPA Tarpa, MK2 Makanchi, BRVK Borovoye, BRVK Borovoye, BVAR Borovoye Array, BVAR Borovoye Array, CRVS Cervenica-Dubn, MK01 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, TAM Tamnasset, KURRB Kurchatov Arra, KURRB Kurchatov, VYHS Vyhne, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, WIKO Urumqi, WMO WMO, WMO WMO.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like JAVC Velka Javorina, SOKA Soboth, ARSA Arzaberg, OBKA Obir, CONA Conra Observa, MORC Moravsky Berou, MORC Moravsky Berou, MYKA Chiang Mai Arr, KRUC Moravsky, VRAC Vranov, VRANOV Vranov, MACM Macm, NAGM Naroch, MOG Mollin, SUW Suwalki, GEA0 Chiang Mai Arr, GEC2 GERRSS Array S, GERRS GERRSS Array B, WATTE Wattereg, WATA Walderalm, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR Moosalm, TOAO Torodi Arr, TOAO Torodi Arr, TORD Torodi Arr, TORD Torodi Arr, BRG Berggiesshobel, BRG Sadao Peng, CLL Collin, CLL Collin, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, SENIN Lac Senin/Sane, PBKT Sadao Peng, BFO Black Forest, KMI Kunning, KMI Kunning, KMI Kunning, GTA Gaotai, GTA Gaotai, GTA Gaotai, GTA Gaotai, WLF WLF, FIA1 Fines Array S, FINES Fines Array B, BCLA Clavier, DOU Dourhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, HFS Hagfors, GYA Guiyang, GYA Guiyang, ES19 Sonseca Array, ES20 Sonseca Array, DBIC Dimbokro, NC602 NORARS Array, NC603 NORARS Array, NC601 NORARS Array, NC600 NORARS Array, NC604 NORARS Array, NC605 NORARS Array, NC401 NORARS Array, NC403 NORARS Array, NC404 NORARS Array, NC402 NORARS Array, NAO03 NORARS Array, NAO01 NORARS Array, NAO00 NORARS Array, NAO02 NORARS Array, NOA NORARS Array, NOA04 NORARS Array, NOA05 NORARS Array, NOA01 NORARS Array, XAN Xi'an, XAN Xi'an, XAN Xi'an, SONM Songri Array, SONA1 Songri Array, ARCES ARCES Array B, EKA Eskdalemuir, HHC Hu-ho-hao-te, HHC HHC, HHC HHC, BRJ Noril'sk, NRIJ Noril'sk, NJ2 Nanjing, NJ2 Nanjing, CN2 Changchun, CN2 Changchun, KSAR Wonju Array Be, KS01 Wonju Array Si, KSRS Korea Array, KLR Kul'dur, USRK Ussuriysk, JUNU Nakiysk, MJAR Matsushiro Arr, FITZ Fitzroy Crossi.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like FITZ Fitzroy Crossi, MAW Mawson, MAW Mawson, SIJI Sorong, SEY Seymchan, WRA Warramunga Arr, ASAR Alice Springs, AS31 Alice Springs, AS01 Alice Springs, PD1 Pinedale Array, NVAR Mina Array Be, TXAR Lajitas Array.

IDC 31 15:45:25.1,1.0,10:58N:126:49E,h0km,mb3.9/10,mb1.4/0.10,mb1mx3.6/7.1,mb1mx3.6/7.0,Error ellipse: s-maj=58.9km s-min=15.3km az=68.0, MAN 31 15:45:26.6,10:36N:126:70E,h13km,mb4.8,ML3.7,MS3.7, ISCJB 31 15:45:29.4,0.7,10:49N:0:06:126.53E,0:10,h44km,mb3.8/10,Error ellipse: s-maj=11.7km s-min=7.9km az=164

ISC 31 15:45:31.2,0.9,10:42N:0:08:126:63E,0:09,h44km,n15,c1890/118,mb3.9/10,10, Philippine Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like BUTP Butuan, MSLP Maasin, LLL Lapu-Lapu, LLL Lapu-Lapu, CGP Cagayan de Oro, CGP Cagayan de Oro, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, MKAR Makanchi Array, ZALV Zalesovo Beam, KURBB Kurchatov Arra, ARCES ARCES Array B, FINES Fines Array B.

MEX 31 15:45:39.6,0.7,16:21N:98:35W,h3km,MD3.5,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like PNIG Pinotepa, PNIG Pinotepa, TLIG Tlapa, TLIG Tlapa, VHO Vista Hermosa, VHO Vista Hermosa.

BUI 31 15:47:30.5,12:60N:49:86E,h10km,mb4.9/40,mb5.1/4,Ms5.2/5,Ms7.4/9.3, IDC 31 15:47:36.9,0.5,13:20N:50:50E,h0km,mb4.5/41,mb1.4/4.5/3,mb1mx4.4/7.3,mb1mx4.4/4.3,ML3.8/2,Error ellipse: s-maj=12.5km s-min=10.7km az=138.0, ISCJB 31 15:47:37.5,0.3,13:19N:0:05:50.46E,0:03,h15km,mb4.6/8.2,MS4.7/1,Error ellipse: s-maj=7.2km s-min=4.7km az=170.4, NEIC 31 15:47:38.4,0.3,13:20N:50:51E,h10km,mb4.8/11,Error ellipse: s-maj=7.8km s-min=6.1km az=144.0, ISC 31 15:47:39.3,0.4,13:22N:0:08:50.49E,0:06,h15km,n124,c1900/128,mb4.7/6.2,6C-10D,Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include stations like ATD Arta Tunnel, ATD Arta Tunnel, WSAR Wadi Sarin, KMBO Kilima Mbogo, KMBO Kilima Mbogo, EIL Elat, ASF Jabal al Asfar, MBAR Mbarara, MBAR Mbarara, MMAR Mount Meron Ar, GEYT Alibeck, KBL Kabul, GNI Garmi, H08N2 Diego Garcia H, H08N1 Diego Garcia H, AKH Akhalkalaki, BRTR Keskin Array B, BRTR Keskin Array B, KBZ Khabaz, KVAR Kislovodsk Arr, PYUN Piuthan, KOLN Koldanda, DANN Dangsing, KK31 Karatay Array, KKAR Karatay Array, GKN Gorkha, DMN Daman, DMN Daman, KURRB Kurchatov, PKIN Phulchoi, LSZ Lusaka, AAK Ala-Archa, AAK Ala-Archa, GUN Gumba.

31d 16h

Table with columns: PCJ, SKJ, PWJ, CGJ, GMJ, KASJ, JAGI, JAGI. Rows include stations like Sukabumi, Cibinong, Gumnukmas, Kota Agung, Jagat, Banyuwya.

IDC 31 15:59:22.04.0.10.65N:126.70E, h0km, mb4.3/29, mb1 4.3/30, mb1mx4.2/68, mbtmp4.3/30, ML3.6/1, Error ellipse: s-maj=20.6km s-min=9.6km az=75.0

MAN 31 15:59:24.2.10.83N:126.88E, h27km, mb5.6, ML4.6, MS5.0

ISC/JB 31 15:59:25.8.0.3.10.72N:0.03:126.87E:0.03, h37km, mb4.3/37, Error ellipse: s-maj=4.9km s-min=3.9km az=9.0

NEIC 31 15:59:27.2.0.2.10.64N:126.79E, h35km, mb4.6/9, Error ellipse: s-maj=11.5km s-min=5.3km az=76.0

ISC 31 15:59:27.7.0.4.10.79N:0.04:126.73E:0.06, h37km, n76, e199/86, mb4.3/37, 1C-1D, Philippine Islands region

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESE, MSLP, BUTP, etc.

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DJA 31 15:59:36.2.1.1.10.53N:123.3E:1.0, h112km, g9km, M3.1/5, ML3.1/5, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LUWI, APSI, MRSI, etc.

IDC 31 16:00:01.7.0.4.10.58N:126.60E, h0km, mb4.5/32, mb1 4.5/33, mb1mx4.3/69, mbtmp4.5/33, ML3.6/1, Error ellipse: s-maj=16.6km s-min=10.2km az=85.0

ISC/JB 31 16:00:05.6.0.3.10.51N:0.04:126.66E:0.06, h44km, mb4.4/41, Error ellipse: s-maj=9.1km s-min=6.0km az=178.1

NEIC 31 16:00:06.6.0.3.10.55N:126.67E, h35km, mb4.6/15, Error ellipse: s-maj=9.0km s-min=5.8km az=86.0

ISC 31 16:00:07.6.0.4.10.55N:0.06:126.69E:0.09, h44km, n72, e150/73, mb4.6/41, Philippine Islands region

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SBUM, JAY, MARI, etc.

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mb3.5/6, mb1 3.6/8, mb1mx3.7/71, mbtmp3.8/8, Error ellipse: s-maj=68.3km s-min=18.9km az=60.0

ISC 31 16:11:25.5.1.0.11.11N:0.04:124.71E:0.03, h7km, 7km, n23, e137/33, mb3.8/8, 4C, Leyte

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OCLP, PLP, BESP, etc.

IDC 31 16:15:43.0.0.8.3.36N:83.00W, h0km, mb4.0/12, mb1 4.3/20, mb1mx4.1/57, mbtmp4.1/20, ML3.5/7, Error ellipse: s-maj=22.7km s-min=13.0km az=51.0

ISC/JB 31 16:15:44.3.0.4.3.42N:0.03:82.87W:0.04, h24km, mb4.2/18, Error ellipse: s-maj=6.0km s-min=3.9km az=151.2

NEIC 31 16:15:44.3.0.5.3.31N:83.00W, h10km, mb4.6/7, Error ellipse: s-maj=12.4km s-min=6.6km az=55.0

RSNC 31 16:15:47.0.0.4.3.34N:82.55W, h0km, 21km, ML3.4

CASC 31 16:15:47.2.2.3.51N:83.02W, h36km, 58km, MD4.5, mb4.6(NEIC)

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAPC, GRGC, AZU, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Yreka Blue Hor, Paterson 2, YKA, ILAR, ESCD, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam, etc.

ADC 31 16:17:51.74.2, 11°19'N:126°72'E, h0km, mb3.7/5, mb1 3.7/5, mb1mx3.4/6, mbtmpp3.7/5, Error ellipse: s-maj=367.0km s-min=26.9km az=68.0, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BATI Baumata, KSRK Korea Array, FITZ Fitzroy Crossi, etc.

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

DJA 31 16:21:09.5.1.4, 2°S:3°12'E, h34km±23km, M3.6/7, MLV3.6/7, Halmahera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LBMI Labuha, MSAL Masohi, AAI Ambon, etc.

ADC 31 16:21:28.1.3.1, 22.00N:144.64E, h0km, mb3.9/6, mb1 4.0/6, mb1mx3.6/7, mbtmpp3.9/6, Error ellipse: s-maj=130.7km s-min=21.4km az=79.0, Mariana Islands region

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

ISCJB 31 16:22:31.8.0.6, 13°24'N:0°10:50.42E:0.08, h15km, s-min=10.4km az=151.6, Error ellipse: s-maj=14.6km

ADC 31 16:22:31.4.0.8, 13°24'N:50.45E, h0km, mb3.9/20, mb1 4.0/22, mb1mx3.8/7, mbtmpp3.9/22, ML4.1/2, MS4.4/1, MS1 4.4/1, ms1mx3.8/69, Error ellipse: s-maj=19.6km s-min=15.8km az=175.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ATD Arta Tunnel, KMBO Kilima Mbogo, EIF Elat, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NOA NORSAR Array B, SOMM Songoing Array, EKA Eskdalemuir Ar, etc.

ADC 31 16:26:07.4.2.4, 10°14'N:126°39'E, h0km, mb3.7/6, mb1 3.8/6, mb1mx3.5/69, mbtmpp3.7/6, Error ellipse: s-maj=231.5km s-min=27.1km az=68.0

ISCJB 31 16:26:08.7.1.0, 10°18'N:0°2:127.6E:0.2, h35km, mb3.8/6, Error ellipse: s-maj=36.9km s-min=10.1km az=39.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CNP Catarman, PVCP Virac, AUQP San Andres, etc.

DJA 31 16:26:14.6.5.7, 11°N:19°12'7E:1.1, h14km, 30km, M4.7/13, mb5.5/3, mb4.6/13, Mw(mb)5.0/3

ADC 31 16:26:15.8.0.6, 10°17'N:126°82'E, h0km, mb4.2/20, mb1 4.3/20, mb1mx4.0/69, mbtmpp4.2/20, Error ellipse: s-maj=26.1km s-min=12.2km az=78.0

ISCJB 31 16:26:16.5.0.5, 10°35'N:0°4:126.8E:0.05, h10km, mb4.4/20, Error ellipse: s-maj=7.2km s-min=5.6km az=175.9

MAN 31 16:26:16.5.10.99N:126°93E, h22km, mb4.8, ML3.7, MS3.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PLP Palo, MSLP Maasin, BUTP Butuan, etc.

ADC 31 16:26:17.8.0.5, 10°39'N:0°4:126.85E:0.06, h10km, n47, e241/53, mb4.3/20, 2D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JAP San Jose, Ant, DDMP Don Marcelino, etc.

ADC 31 16:27:09.7.0.1, 19°65'N:64°33'W, h37km, h37km, MD3.5/5, After RSPR, 21C-2D, Virgin Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ABV Anegada, ABVI Anegada Island, TBVI Tortola, etc.

ADC 31 16:27:35.2.34.0, 13°77'S:172°37'E, h0km, mb4.2/4, mb1 4.4/4, mb1mx3.7/52, mbtmpp4.2/4, Error ellipse: s-maj=607.6km s-min=111.0km az=73.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, PETK Petropavlovsk, MKAR Makanchi Array, etc.

ADC 31 16:26:39.4.0.8, 10°19'N:126°89'E, h0km, mb4.5/20, mb1 4.6/20, mb1mx4.3/67, mbtmpp4.5/20, Error ellipse: s-maj=27.3km s-min=16.6km az=80.0

ADC 31 16:26:44.7.0.3, 10°24'N:126°93'E, h35km, mb4.6/5, Error ellipse: s-maj=12.4km s-min=6.6km az=83.0

ADC 31 16:26:42.9.0.6, 10°27'N:0°108.127.0E:0.1, h20km, n50, e116/50, mb4.5/30, 1D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DAV Davdo City (W), SNPH Sibulan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JOW Kunigami, JNU Nakatsu, JNU Nakatsu, etc.

ADC 31 16:26:25.1.0.9, 14°9'S:0.172:4.2E:0.1, h550km, mb4.2/10, Error ellipse: s-maj=17.7km s-min=16.1km

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, COEN Coen, WRA Warramunga Arr, etc.

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KURBK Kurchatov Arr, BVAR Borovoye Array, etc.

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

ADC 31 16:28:27.6.2.1, 14°30'S:172°35'E, h566km, 26km, mb4.4/7, Error ellipse: s-maj=21.6km s-min=14.8km az=197.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, BKZ Black Stump Fm, etc.

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Table with columns: FITZ, FITZ, PD31, PDAR, GCMT, Station Name, Time, Res. Includes stations like Fityroz Crossi, Pinedale Array, Greycliff.

IDC 31 16:29:00.1±1.6, 10.83N:126.86E, h0km, mb3.9/6, mb1.4/0.6, mb1mx3/6.68, mbtmp3.9/6, Error ellipse: s-maj=68.5km s-min=29.8km az=81.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Palo, Baumata, Makanchi Array, Kurchatov Arra, etc.

IDC 31 16:30:16.7±1.1, 13.11N:50.60E, h0km, mb3.7/9, mb1.3/0.10, mb1mx3.5/75, mbtmp3.8/10, ML4.4/1, Error ellipse: s-maj=22.4km s-min=22.8km az=6.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Arta Tunnel, Elat, Alibek, Diego Garcia H, Diego Garcia B, etc.

ISJCJB 31 16:32:18.6±0.4, 43.15N:142.81E, h163km, mb4.1/2, Error ellipse: s-maj=22.2km s-min=12.6km az=149.7

MOS 31 16:32:19.8±0.1, 43.15N:142.81E, h153km, km, M3.2, Error ellipse: s-maj=22.2km s-min=12.6km az=149.7

JMA 31 16:32:19.8±0.1, 43.15N:142.81E, h153km, km, M3.2, Error ellipse: s-maj=22.2km s-min=12.6km az=149.7

IDC 31 16:32:19.7±2.4, 43.22N:142.81E, h155km, km, mb3.3/7, mb1.3/4.8, mb1mx3.1/75, mbtmp3.7/8, Error ellipse: s-maj=45.9km s-min=24.2km az=167.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Furan, Biratori 2, Ashihetsu, Churui, Ashorobuto, Kshakawa 2, Urakawa-nobuka, Asahikawa, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JHR, JHR, JET, JEW, JTRK, JTKR, JAK, YAG, JYG, JSK, JKB, JKB, JRA, GLVR, GLVR, etc.

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Table with columns: YUK, YUK, YUK, YUK, YUK, Station Name, Time, Res. Includes stations like comp=Z,386nm,0.5s, comp=E,79nm,0.6s, etc.

Table with columns: SHO, SHO, SHO, SHO, SHO, Station Name, Time, Res. Includes stations like Shikotan, comp=Z,25nm,0.2s, comp=N,18nm,0.3s, etc.

Table with columns: KUR, KUR, KUR, KUR, KUR, Station Name, Time, Res. Includes stations like Kuril'sk, comp=Z,29nm,0.5s, comp=N,7.0nm,0.2s, etc.

Table with columns: KRSR, H1N2, H1N1, H1N1, H1N1, Station Name, Time, Res. Includes stations like Korea Array, WAKE ISLAND Hy 30.86 132 T, WAKE ISLAND Hy 30.88 132 T, etc.

Table with columns: H1S3, H1S2, ZALV, KURK, KURB, ILAR, BVAR, FINES, HFS, TXAR, Station Name, Time, Res. Includes stations like WAKE ISLAND Hy 31.76 133 T, Zalesovo Beam, Kurchatov, Kurchatov Arra, etc.

Table with columns: H1S3, H1S2, ZALV, KURK, KURB, ILAR, BVAR, FINES, HFS, TXAR, Station Name, Time, Res. Includes stations like WAKE ISLAND Hy 31.76 133 T, Zalesovo Beam, Kurchatov, Kurchatov Arra, etc.

Table with columns: H1S3, H1S2, ZALV, KURK, KURB, ILAR, BVAR, FINES, HFS, TXAR, Station Name, Time, Res. Includes stations like WAKE ISLAND Hy 31.76 133 T, Zalesovo Beam, Kurchatov, Kurchatov Arra, etc.

Table with columns: H1S3, H1S2, ZALV, KURK, KURB, ILAR, BVAR, FINES, HFS, TXAR, Station Name, Time, Res. Includes stations like WAKE ISLAND Hy 31.76 133 T, Zalesovo Beam, Kurchatov, Kurchatov Arra, etc.

IDC 31 16:34:30.8±0.7, 10.96N:126.98E, h0km, mb3.9/12, mb1.4/0.12, mb1mx3.7/66, mbtmp3.9/12, Error ellipse: s-maj=47.1km s-min=13.2km az=74.0

MAN 31 16:34:31.2±1.1, 11.12N:126.97E, h28km, mb5.2, ML4.1, M54.3, Error ellipse: s-maj=8.1km s-min=4.7km az=142.0

NEIC 31 16:34:35.9±0.3, 10.97N:126.93E, h35km, mb4.4/10, Error ellipse: s-maj=16.6km s-min=5.7km az=77.0

ISJC 31 16:34:36.0±0.6, 11.04N:126.79E, h37km, n40, e183/43, mb4.1/18, 2.0, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESP, BESP, PLS, PLS, MSLP, MSLP, CNP, CNP, PVCP, PVCP, RCP, RCP, MATI, MATI, GUIM, GUIM, APYP, APYP, TNTI, TNTI, SOE, SOE, BATI, BATI, MTN, MTN, INU, INU, CISI, CISI, CHTO, CHTO, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, SONA, SONA, SONA, SONA, STKA, STKA, MK01, MK01, MK13, MK13, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK, KURB, KURB, BVAR, BVAR, ILAR, ILAR, FIAO, FIAO, FINES, FINES, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESP, BESP, PLS, PLS, MSLP, MSLP, CNP, CNP, PVCP, PVCP, RCP, RCP, MATI, MATI, GUIM, GUIM, APYP, APYP, TNTI, TNTI, SOE, SOE, BATI, BATI, MTN, MTN, INU, INU, CISI, CISI, CHTO, CHTO, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, SONA, SONA, SONA, SONA, STKA, STKA, MK01, MK01, MK13, MK13, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK, KURB, KURB, BVAR, BVAR, ILAR, ILAR, FIAO, FIAO, FINES, FINES, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESP, BESP, PLS, PLS, MSLP, MSLP, CNP, CNP, PVCP, PVCP, RCP, RCP, MATI, MATI, GUIM, GUIM, APYP, APYP, TNTI, TNTI, SOE, SOE, BATI, BATI, MTN, MTN, INU, INU, CISI, CISI, CHTO, CHTO, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, SONA, SONA, SONA, SONA, STKA, STKA, MK01, MK01, MK13, MK13, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK, KURB, KURB, BVAR, BVAR, ILAR, ILAR, FIAO, FIAO, FINES, FINES, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESP, BESP, PLS, PLS, MSLP, MSLP, CNP, CNP, PVCP, PVCP, RCP, RCP, MATI, MATI, GUIM, GUIM, APYP, APYP, TNTI, TNTI, SOE, SOE, BATI, BATI, MTN, MTN, INU, INU, CISI, CISI, CHTO, CHTO, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, SONA, SONA, SONA, SONA, STKA, STKA, MK01, MK01, MK13, MK13, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK, KURB, KURB, BVAR, BVAR, ILAR, ILAR, FIAO, FIAO, FINES, FINES, LPAZ, LPAZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BESP, BESP, PLS, PLS, MSLP, MSLP, CNP, CNP, PVCP, PVCP, RCP, RCP, MATI, MATI, GUIM, GUIM, APYP, APYP, TNTI, TNTI, SOE, SOE, BATI, BATI, MTN, MTN, INU, INU, CISI, CISI, CHTO, CHTO, FITZ, FITZ, FITZ, FITZ, WRA, WRA, WRA, WRA, AS31, AS31, ASAR, ASAR, SONA, SONA, SONA, SONA, STKA, STKA, MK01, MK01, MK13, MK13, MK32, MK32, MKAR, MKAR, ZALV, ZALV, ZAA1, ZAA1, KURK, KURK, KURB, KURB, BVAR, BVAR, ILAR, ILAR, FIAO, FIAO, FINES, FINES, LPAZ, LPAZ, etc.

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Table with columns: SPSI, BNSI, LUWI, MPPI, BKSI, Sidrap Palu, Bone, Luwuk, Mapaga, Balikpapan, Time, Res. Includes stations like 1.80 208 P, 2.08 195 P, 2.52 58 P, 2.79 345 P, 2.98 190 P.

IDC 31 16:43:20.5±0.5, 10.38N:126.71E, h0km, mb4.2/23, mb1.4/3.23, mb1mx4.1/58, mbtmp4.2/23, Error ellipse: s-maj=32.2km s-min=11.0km az=73.0

ISJCJB 31 16:43:21.5±0.3, 10.37N:104.126.86E±0.05, h20km, mb4.2/35, Error ellipse: s-maj=7.2km s-min=6.0km az=156.9

MAN 31 16:43:23.9, 10.45N:126.68E, h7km, mb5.0, ML3.9, MS3.9, NEIC 31 16:43:25.5±0.3, 10.34N:126.74E, h35km, mb4.3/15, Error ellipse: s-maj=11.1km s-min=5.4km az=73.0

ISJC 31 16:43:23.3±0.5, 10.42N:104.126.86E±0.07, h20km, n60, e099/64, mb4.3/35, 1C-1D, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUTP, BUTP, LLP, LLP, CGP, RCP, GUIM, GUIM, BATI, MTN, JHJ2, PBKT, IPM, KULM, KSAR, KSAR, FITZ, FITZ, GSI, WRA, WRA, WB1, WB2, AS31, ASAR, ASAR, AS01, CTA, SONA, SONA, STKA, PETK, PEA1, MK01, MK13, MK32, MKAR, MKAR, etc.

31d 16h

Table with columns for station name, frequency, power, and other technical details. Includes stations like JAGI, NONG, MTN, GYA, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CTAO, GYA, LSA, YSS, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like AAK, NVS, AML, EKS2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Kiev, Malin Array Si, Bucovina Ar, S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Villa Florida, Peldehue, El Roble, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Diego Garcia H, MDT, STKA, etc.

ISC 31 17:00:30.0±0.5, 55.785±27.49W, h0km, mb4.9/19, mb1 4.9/20, mb1mx4.8/34, mbtmp4.9/20, ML4.8/1, MS4.9/1, Ms1 4.8/1, ms1mx4.0/37, Error ellipse: s-maj=18.2km s-min=13.8km az=28.0

ISCJB 31 17:00:33.7±0.2, 55.745±0.05±27.51W±0.07, h35km, mb5.0/55, Error ellipse: s-maj=7.6km s-min=5.5km az=29.0

MOS 31 17:00:33.6±1.2, 55.815±27.62W, h33km, mb5.1/21, Error ellipse: s-maj=19.0km s-min=11.5km az=112.6

BJJ 31 17:00:34.8, 55.805±27.50W, h33km, mb5.3/3, Ms5.5/5, Ms7.5/24

NEIC 31 17:00:35.9±1.2, 55.795±27.53W, h40km, 11km, mb5.0/45, Error ellipse: s-maj=7.6km s-min=5.0km az=207.0

ISC 31 17:00:35.7±0.3, 55.785±0.07±27.71W±0.06, h35km, n171, c141/163, mb5.0/53, 1C-1D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Hope Point, Neumayer-Stat, Neumayer-Olymp, etc.

ISC 31 17:02:00.9±0.5, 55.735±27.38W, h0km, mb4.9/16, mb1 4.9/17, mb1mx4.7/36, mbtmp4.9/17, ML4.8/1, Error ellipse: s-maj=14.4km s-min=14.5km az=55.0

ISCJB 31 17:02:04.2±0.3, 55.785±0.05±27.47W±0.08, h35km, mb5.1/84, Error ellipse: s-maj=7.6km s-min=6.2km az=35.6

NEIC 31 17:02:07.1±1.1, 55.805±27.49W, h46km, 9km, mb5.1/47, Error ellipse: s-maj=5.9km s-min=4.6km az=224.0

ISC 31 17:02:06.1±0.3, 55.805±0.07±27.49W±0.07, h35km, n128, c084/119, mb5.1/52, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like Hope Point, East Falkland, Sanae, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WARR Warramunga Arr, USRK Ussuriysk Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 31 17:44:41.5-7.9, 2.02N-92.56W, h0km, mb3.5/5, mb1 3.9/5, mb1mx3.6/47, mbtmp3.5/5, Error ellipse: s-maj=209.1km s-min=193.5km az=42.0, Galapagos Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, NVAR Mina Array, PDAR Pinedale Array, YKA Yellowknife Arr, ILAR Eielson Array, H1S2 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy.

IDC 31 17:46:56.1±1.1, 10.52N-126.76E, h0km, mb4.0/11, mb1 4.1/11, mb1mx3.7/60, mbtmp4.0/11, Error ellipse: s-maj=57.8km s-min=6.16km az=70.0

MAN 31 17:46:59.7, 10.74N-126.78E, h25km NEIC 31 17:47:01.9-0.3, 10.37N-126.42E, h35km, mb4.5/10, Error ellipse: s-maj=14.8km s-min=6.0km az=69.0

IDC 31 17:46:57.7±2.4, 10.16N-10.05E-126.72E, h0.4km, 15km, n48, r159/55, mb4.4/20, 1C, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BESP Borongan, MSLP Maasin, BUTP Butuan, OCLP Ormoc, LLLP Lapu-Lapu, CNP Catarman, CGP Cagayan de Oro, CGP Musuan, BUKP Roxas, BCP Roxas, BATI Baumata, MTN Manton Dam, CMAR Chiang Mai Arr, FITZ Fitzroy Crossi, WRA Warramunga Arr, WR1 Warramunga Arr, ERM Ermo, AS31 Alice Springs, ASAR Alice Springs, ASO1 Alice Springs, BBOO Buckleboob, TARA Tarawa, MK01 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MAK2 Makanchi, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KURK Kurchatov, KURB Kurchatov Arr, KK31 Karatay Array, KKAR Karatay Array, BVAR Borovoye Array, BVVK Borovoye, ABKAR Abkukul Array, ARAO ARCESS Array S, ARCES ARCESS Array B, BR101 Keskin Array S, BRTR Keskin Array B, FIAO FINESS Array S, FINES FINESS Array B, LHEM Herd Peak.

IDC 31 17:47:38.0±1.4, 2.15N-95.62W, h0km, mb3.8/7, mb1 4.1/7, mb1mx3.8/50, mbtmp3.8/7, Error ellipse: s-maj=59.2km s-min=21.0km az=56.0

IDC 31 17:47:38.5±0.7, 2.3N-0.1, 95.5W-0.1, h10km, mb4.2/51, Error ellipse: s-maj=20.0km s-min=8.9km az=42.8

NEIC 31 17:47:40.1±0.7, 2.12N-95.57W, h10km, mb4.3/46, Error ellipse: s-maj=18.4km s-min=8.0km az=221.0

IDC 31 17:47:39.7±1.0, 2.22N-0.1, 95.5W-0.2, h10km, n64, r116/64, mb4.3/51, Galapagos Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OTAV Otavalo, ROSC El Rosal, ZAIG Zacatecas, LTX Lajitas, TXAR Lajitas Array, TX31 Lajitas Ar. Si, 319A Douglas, TUC Tucun, BNM Barren Site, ANMO Albuquerque, W50A Signal Mountai, V48A Smith Brothers.

Table with columns: PTGA Pitinga, LVC Limon Verde, T49A Edmonton, WUAZ Wupatki, WCI Wyandotte Cave, W13A Huailapai Mount, U15A North Rim, P42A Winchester, PV18 Skein Mesa, Pa, PV21 Cone Mtn., LCMT Little Creek M, Q51A Peebles, GSC Goldstone, Bar, ISCO Idaho Springs, P17A Pregon Nutter, P18A Butcher Ranch, PSUT Pine Spring, NLU North Lily Min, DUG Dugway, Tooele, TUC Toone Canyon, ECSD EROS Data Cent, MVL Millersville, NV01 Mina Array Sit, NVAR Mina Array Bea, BGU Big Grassy M, BCGM Cienega Road, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, HDU Pinedale Array, PVAR Hansel Valley, BMN Battle Mountai, PAHR Pat Rah Range, REDK Red Top Meadow, WPV Wolf Peak, FXWY Fry Creek, IMW Indian Meadow, HLID Haley, YHH Holmes Hill, YHB Horse Butte, QLMT Earthquake Lak, MFID Camas Ranch, GCMT Geocynth, BOZ Boynton (W), F10A Beach Ranch, E, G08A Paso Flores, E09A Wood Farm, Sta, PLCA Paso Flores, YKA Yellowknife Arr, ILAR Eielson Array, ILB Eielson Array.

IDC 31 17:53:52.9±0.9, 9.103N-127.26E, h0km, mb3.9/11, mb1 4.0/11, mb1mx3.7/64, mbtmp3.9/11, Error ellipse: s-maj=37.7km s-min=14.9km az=78.0

MAN 31 17:53:53.8, 11.02N-126.93E, h22km, mb4.8, ML3.7, MS3.7

IDC 31 17:53:55.7±0.3, 10.88N-104.126E-88E-0.03, h33km, mb4.2/28, Error ellipse: s-maj=5.3km s-min=4.4km, az=32.3

NEIC 31 17:53:57.8±0.3, 10.85N-127.07E, h35km, mb4.5/16, Error ellipse: s-maj=10.3km s-min=6.2km az=76.0

IDC 31 17:53:57.8±0.5, 10.92N-105.126E-89E-0.07, h35km, n55, r171/61, mb4.4/28, 2C-1D, Philippine Islands region

Table with columns: BESP Borongan, BLP Palo, MSLP Maasin, MSLP Maasin, OCLP Ormoc, CNP Catarman, LLLP Lapu-Lapu, CGP Cagayan de Oro, PVCP Virac, RCP Roxas, RCP Jordan, GUM Sibun, SOEI Soe, BATI Bauma, CBJG Chichi jima, ENH Enshi, LEM Lembang, IPM Ipop, KULM Kulim, MAJO Matsushiro, MJAR Matsushiro Arr, FITZ Fitzroy Crossi, WR1 Warramunga Arr, WRA Warramunga Arr, WB2 Warramunga Arr, MBWA Marble Bar, AS31 Alice Springs, ASAR Alice Springs, ASO1 Alice Springs.

Table with columns: BBOO Buckleboob, STKA Stephens Creek, STKA Stephens Creek, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, LHI Lord Howe Isla, PRZ Przhval'sk, HMDM Hanimaadho, NIL Nilore, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KURK Kurchatov, KURB Kurchatov Arr, KK31 Karatay Array, KKAR Karatay Array, BVAR Borovoye Array, BVVK Borovoye, JOHN Johnston Island, ABKAR Abkukul array, BR101 Keskin Array S, BRTR Keskin Array B, FIAO FINESS Array S, FINES FINES Array B.

IDC 31 17:59:03.3±2.5, 50.98S-114.22E, h0km, mb3.9/3, mb1 4.2/3, mb1mx3.6/50, mbtmp3.9/3, MS4.3/1, Ms1 4.3/1, ms1mx3.6/38, Error ellipse: s-maj=144.9km s-min=60.2km az=114.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, ASAR Alice Springs, FITZ Fitzroy Crossi, WRA Warramunga Arr, PMG Port Moresby, H08S2 Diego Garcia H, H08S1 Diego Garcia H, H08S3 Diego Garcia H, YKA Yellowknife Arr.

BUI 31 18:01:54.1, 13.10N-50.40E, h8km, mb4.7/45, mb5.2/23, Ms4.6/13, Ms7 4.6/10

ISCJB 31 18:01:55.4±0.2, 13.25N-0.04S-50.49E-0.03, h10km, mb4.7/12, MS4.5/16, Error ellipse: s-maj=5.6km s-min=3.7km az=14.5

IDC 31 18:01:55.7±0.5, 13.26N-50.53E, h0km, mb4.3/27, mb1 4.3/29, mb1mx4.2/69, mbtmp4.3/28, ML3.5/2, MS4.6/16, Ms1 4.5/16, ms1mx4.2/69, Error ellipse: s-maj=13.7km s-min=13.0km az=152.0

NEIC 31 18:01:56.8±0.2, 13.21N-50.49E, h10km, mb4.8/78, Error ellipse: s-maj=4.7km s-min=3.5km az=202.0

OMAN 31 18:02:00.4±2.1, 13.81N-50.29E, h17km, 91km, Error ellipse: s-maj=169.6km s-min=55.8km az=34.0

ISC 31 18:01:58.0±0.9, 13.31N-50.05S-50.48E-0.05, h16km, 5km, n273, r183/207, mb4.8/123, MS4.6/16, 15C-12D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ABTO Aybut, WHFO Wadi Hawf, DAMY Dhamar, ATD Arta Tunnel, AYUN Al Bayun, RAYN Al Ashudh, BIDU Bidbid, WSAR Wadi Sarin, WSAR Wadi Sarin, WSAR Wadi Sarin, KMBO Kilima Mbogo, KMBO Kilima Mbogo, EIL Elat, ASF Jabal al Asfar, MBAR Mbarara, MBAR Mbarara, MMAI Mount Meron Ar, GEYT Alibek, GEYT Alibek, GYAO ALIBECK ARR, KBL Kibla, GNI Garni, H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, AKH Alkhalaki, TBLG Delisi, NIL Nilore, DGAR Diego Garcia, ISP Ispar, BR101 Keskin Array S, BR101 Keskin Array S, BR131 Keskin Array S, BRTR Keskin Array B.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like TPFO Pinon Flats, XPFO Pison Flat, F10A Beach Ranch, etc.

Table with columns: PHNC Paralimni, PHNC Mathias, CSS Mathias, etc. Includes stations like PHNC Paralimni, PHNC Mathias, CSS Mathias, etc.

Table with columns: ZAA1 Zalesovo Array, KURK Kurchatov, KURBB Kurchatov, etc. Includes stations like ZAA1 Zalesovo Array, KURK Kurchatov, KURBB Kurchatov, etc.

Table with columns: MEX 31 18:36:28.7, 0.0, 16:22N-98:17W, h15km, 2km, MD3.7, Near coast of Guerrero. Includes stations like MEX 31 18:36:28.7, 0.0, 16:22N-98:17W, etc.

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

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

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

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

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

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

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

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

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

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

31d 18h

NATX	Nacogdoches	29.06	1	eP	P	18 43 47.0 +1.2
NATX	Nacogdoches	29.06	1	P	P	18 43 47.3 +1.5
344A	Westbrook Farm	29.07	8	eP	P	18 43 44.3 -1.6
757A	Oxford	29.12	24	P	P	18 43 46.8 +0.3
655A	Horseshoe Beach	29.16	22	P	P	18 43 47.7 +0.9
656A	Williston	29.31	23	eP	P	18 43 47.9 -0.2
656A	Williston	29.31	23	P	P	18 43 48.2 +0.1
WHTX	Lake Whitney	29.35	356	eP	P	18 43 49.0 +0.6
WHTX	Lake Whitney	29.35	356	P	P	18 43 48.4 0.0
553A	Crawfordville	29.36	20	P	P	18 43 47.9 -0.6
241A	Mo Tay, Goldon	29.40	4	eP	P	18 43 50.7 +1.9
241A	Mo Tay, Goldon	29.40	4	P	P	18 43 49.8 +1.0
SRIG	Santa Rosalia	29.47	328	eP	P	18 43 51.0 +1.5
758A	Lake Helen	29.51	26	P	P	18 43 50.4 +0.6
348A	Jackson	29.55	13	eP	P	18 43 49.2 -1.0
555A	McAlpin	29.82	22	eP	P	18 43 51.3 -1.3
140A	Cam and Jess,	29.97	3	eP	P	18 43 55.0 +1.0
142A	Monroe	30.00	6	P	P	18 43 54.9 +0.7
453A	Whigham	30.01	19	eP	P	18 43 54.5 +0.2
247A	Quitman	30.02	11	P	P	18 43 55.7 +1.4
ABTX	Abilene, Hawle	30.18	353	eP	P	18 43 56.5 +0.7
ABTX	Abilene, Hawle	30.18	353	P	P	18 43 56.4 +0.5
143A	Soes Landing,	30.22	7	eP	P	18 43 55.9 -0.2
HSIG		30.23	332	eP	P	18 43 56.7 +0.4
249A	Camden	30.32	14	P	P	18 43 57.3 +0.8
145A	Houston Renfro	30.32	9	P	P	18 43 57.0 +0.7
352A	Blakely	30.40	18	eP	P	18 43 58.1 +0.4
352A	Blakely	30.40	18	P	P	18 43 59.6 +1.9
250A	Grady	30.49	15	eP	P	18 43 58.7 +0.2
250A	Grady	30.49	15	P	P	18 43 59.0 +0.5
MNTX	Cornudas Mount	30.50	343	eP	P	18 43 59.5 +0.8
MNTX	Cornudas Mount	30.50	343	eP	PcP	18 46 56.4 -1.5
MNTX	Cornudas Mount	30.50	343	P	PcP	18 43 59.2 +0.6
146A	Union	30.50	10	eP	P	18 43 59.5 +0.9
146A	Union	30.50	10	P	P	18 44 00.1 +1.5
Z40A	Long Farm, Mag	30.60	3	P	P	18 44 00.6 +1.1
CLNB	Carlsbad	30.63	346	eP	P	18 44 00.3 +0.4
Z41A	Richland Creek	30.64	4	eP	P	18 43 59.5 -0.3
147A	Livingston	30.69	12	eP	P	18 43 59.4 -0.8
147A	Livingston	30.69	12	P	P	18 44 01.9 +1.6
GDL2	Guadalupe Moun	30.69	345	eP	P	18 44 00.0 -0.4
456A	Hilliard	30.72	23	eP	P	18 43 59.2 -1.3
TIGA	Tifton	30.79	20	eP	P	18 44 02.2 +1.0
148A	Greensboro	30.81	13	P	P	18 44 02.7 +1.4
251A	Midway	30.83	17	P	P	18 44 02.9 +1.4
Z44A	Pea Ridge, Bel	30.91	8	P	P	18 44 03.8 +1.6
252A	Lumpkin	30.94	18	P	P	18 44 04.0 +1.5
355A	Pearson	30.96	21	P	P	18 44 04.1 +1.4
WLAR	White Oak Lake	31.04	4	eP	P	18 44 02.6 -0.7
Z45A	Winona	31.11	9	eP	P	18 44 03.4 -0.5
150A	Eclectic	31.15	15	P	P	18 44 04.8 +0.5
253A	Americus	31.19	19	eP	P	18 44 04.5 -0.2
356A	Blackshear	31.21	22	P	P	18 44 05.1 +0.2
Y41A	Eagleette Beard	31.27	4	P	P	18 44 06.1 +0.7
Y42A	Garnett, Star	31.30	6	P	P	18 44 06.8 +1.2
LRAL	Lakeview Retre	31.31	14	eP	P	18 44 05.6 -0.2
LRAL	Lakeview Retre	31.31	14	P	P	18 44 06.4 +0.7
Y40A	Okolona	31.35	3	P	P	18 44 07.1 +1.0
CCAR	Cane Creek	31.38	6	eP	P	18 44 05.0 -1.3
PCRV	Puerto La Cruz	31.41	75	P	P	18 44 07.6 +0.7
Z48A	Northport	31.51	13	P	P	18 44 08.0 +0.4
319A	Douglas	31.55	337	eP	P	18 44 08.5 +0.5
152A	Waverly Hall	31.57	17	eP	P	18 44 08.3 +0.2
152A	Waverly Hall	31.57	17	eP	PcP	18 47 00.5 -0.2
152A	Waverly Hall	31.57	17	P	PcP	18 44 07.9 -0.1
Z49A	Columbiana	31.58	14	P	P	18 44 08.3 +0.2
Y45A	Yeager Farm, C	31.61	9	P	P	18 44 09.3 +0.9
255A	Hazlehurst	31.62	21	eP	P	18 44 09.6 +1.0
255A	Hazlehurst	31.62	21	P	P	18 44 08.7 +0.2
CRPR	Cabo Rojo, PR	31.65	59	eP	P	18 44 08.3 -0.6
Y46A	Houston	31.75	10	P	P	18 44 10.0 +0.4
Z50A	Ashland	31.79	15	eP	P	18 44 09.7 -0.3
Z50A	Ashland	31.79	15	P	P	18 44 09.8 -0.2
X39A	Fountain Ranch	31.81	2	P	P	18 44 11.1 +0.9
X40A	Basin Creek Fa	31.85	4	eP	P	18 44 09.9 -0.6
X40A	Basin Creek Fa	31.85	4	P	P	18 44 11.5 +1.0
MIAR	Mount Ida	31.87	3	eP	P	18 44 10.3 -0.3
MIAR	Mount Ida	31.87	3	P	P	18 44 11.4 +0.7
256A	Glennville	31.89	22	P	P	18 44 12.2 +1.4
Y47A	UCPARC, Winfie	31.96	12	P	P	18 44 12.2 +0.7
MSTX	Muleshoe	32.02	348	eP	P	18 44 12.5 +0.4
MSTX	Muleshoe	32.02	348	P	P	18 44 12.9 +0.8
X42A	Stuttgart	32.02	6	P	P	18 44 13.1 +1.1
154A	Montrose	32.03	20	eP	P	18 44 11.9 -0.2
121A	Cookes Peak, D	32.03	340	P	P	18 44 13.9 +1.5

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Z51A	Franklin	32.05	16	P	P	18 44 13.0 +0.7
X43A	Marvell	32.07	7	eP	P	18 44 12.3 -0.1
X43A	Marvell	32.07	7	P	P	18 44 13.9 +1.5
Y48A	Jasper	32.12	13	P	P	18 44 13.0 +0.1
X44A	Crenshaw	32.15	8	P	P	18 44 14.3 +1.2
WMOK	Wichita Mounta	32.18	355	eP	P	18 44 12.9 -0.5
WMOK	Wichita Mounta	32.18	355	P	P	18 44 14.2 +0.8
X45A	UM Field Stati	32.19	9	P	P	18 44 14.2 +0.8
257A	Skidaway Islan	32.22	23	eP	P	18 44 13.7 -0.1
Y49A	Blount Mountai	32.24	14	eP	P	18 44 13.1 -0.9
Y49A	Blount Mountai	32.24	14	P	P	18 44 14.7 +0.8
155A	Kite	32.26	21	P	P	18 44 15.0 +0.9
OXF	Oxford	32.27	9	eP	P	18 44 14.2 0.0
OXF	Oxford	32.27	9	P	P	18 44 15.1 +0.9
Y50A	Piedmont	32.44	15	P	P	18 44 16.4 +0.7
X46A	Boeville	32.45	10	P	P	18 44 16.8 +1.0
RPN	Rapa Nui	32.45	204	LR	LR	18 53 54.6
W39A	Magazine	32.51	2	eP	P	18 44 16.2 0.0
W39A	Magazine	32.51	2	P	P	18 44 17.8 +1.6
SJG	San Juan	32.52	60	eP	P	18 44 16.4 -0.1
W40A	Ferguson Farm,	32.54	3	P	P	18 44 16.5 0.0
W40A	Ferguson Farm,	32.54	3	P	P	18 44 18.1 +1.6
X47A	Russelville	32.55	12	P	P	18 44 17.5 +0.8
W41B	Gary Mavity, V	32.58	5	eP	P	18 44 16.8 -0.1
W41B	Gary Mavity, V	32.58	5	P	P	18 44 18.3 +1.4
Y51A	Rockmart	32.62	16	P	P	18 44 17.2 -0.1
GOGA	Godfrey	32.64	19	eP	P	18 44 18.0 +0.5
GOGA	Godfrey	32.64	19	P	P	18 44 18.7 +1.2
W43A	Forest City	32.65	7	P	P	18 44 17.8 +0.3
X48A	Hartselle	32.66	13	eP	P	18 44 16.9 -0.7
X48A	Hartselle	32.66	13	P	P	18 44 17.3 -0.3
Z54A	Sparta	32.69	20	P	P	18 44 17.7 -0.2
WHAR	Woolly Hollow	32.69	5	eP	P	18 44 18.0 +0.1
AMTX	Amarillo	32.70	350	eP	P	18 44 18.9 +0.8
AMTX	Amarillo	32.70	350	P	P	18 44 18.5 +0.4
LPZA	La Paz	32.76	126	P	P	18 44 20.1 +0.7
LPZA	La Paz	32.76	126	PcP	PcP	18 47 05.5 +0.5
LPZA	La Paz	32.76	126	eP	P	18 44 18.1 -1.2
LPZA	La Paz	32.76	126	P	PcP	18 44 18.7 -0.2
HUMP	Col San Antoni	32.79	60	eP	P	18 44 19.1 -0.5
Y52A	Lilburn	32.88	17	eP	P	18 44 19.1 -0.5
Y52A	Lilburn	32.88	17	P	P	18 44 19.6 0.0
X49A	Woodville	32.88	14	P	P	18 44 19.2 -0.4
W45A	Hickory Valley	32.94	9	P	P	18 44 20.8 +0.8
PLAL	Pickwick Lake	32.96	11	eP	P	18 44 19.6 -0.6
TUC	Tucson	32.97	336	eP	P	18 44 20.6 +0.1
TUC	Tucson	32.97	336	P	P	18 44 21.2 +0.7
X50B	Fort Payne	33.00	15	P	P	18 44 21.9 +1.3
Y53A	Monroe	33.02	18	P	P	18 44 20.6 -0.1
MTP	Monte Pirata	33.03	60	eP	P	18 44 20.1 -0.9
W46A	Michie	33.05	10	P	P	18 44 21.9 +0.9
HBAR	Harrisburg	33.12	7	eP	P	18 44 20.4 -1.2
BNN	Barren Site	33.16	343	eP	P	18 44 22.0 -0.3
V39A	Pettigrew	33.16	3	P	P	18 44 22.8 +0.8
V40A	Witts Springs	33.16	4	eP	P	18 44 21.1 -0.9
V40A	Witts Springs	33.16	4	P	P	18 44 22.6 +0.5
Y22D	IRIS PASCALL I	33.17	342	P	P	18 44 23.1 +0.9
TUL1	Leonard	33.19	359	eP	P	18 44 20.8 -1.5
TUL1	Leonard	33.19	359	P	P	18 44 22.0 -0.3
V41A	Mountainview	33.20	5	P	P	18 44 21.9 -0.4
MNMC	Minye Minye	33.24	131	eP	P	18 44 24.4 +1.3
LENN	Leontine	33.27	342	eP	P	18 44 22.4 -0.9
LPM	Los Pinos Moun	33.31	343	eP	P	18 44 23.4 -0.1
X51A	Calhoun	33.31	16	eP	P	18 44 23.0 -0.3
X51A	Calhoun	33.31	16	P	P	18 44 23.9 +0.6
Y54A	Tignall	33.31	19	P	P	18 44 23.3 0.0
W47A	Westpoint	33.32	12	P	P	18 44 23.1 -0.3
W48A	Pulaski	33.34	13	P	P	18 44 23.1 -0.5
W49A	Jonesboro	33.36	7	P	P	18 44 23.9 +0.1
W49A	Belvidere	33.48	14	P	P	18 44 25.3 +0.5
V44A	Blytheville	33.49	8	P	P	18 44 25.8 +0.9
LAZ	Leadvale	33.54	342	eP	P	18 44 24.1 -1.4
V45A	Humboldt	33.54	9	P	P	18 44 25.9 +0.6
NHSC	New Hope	33.55	23	eP	P	18 44 23.4 -1.9
NHSC	New Hope	33.55	23	P	P	18 44 25.9 +0.5
214A	Organ Pipe Nat	33.56	332	P	P	18 44 26.3 +0.7
CDVI	St. Croix	33.57	61	eP	P	18 44 26.1 +0.4
PB11	IPOC Station P	33.58	132	eP	P	18 44 25.6 -0.4
HHAR	Hobbs	33.58	2	eP	P	18 44 25.4 -0.3
X52A	Dahlonega	33.62	17	P	P	18 44 26.0 0.0
SWET	Seawnee	33.65	14	eP	P	18 44 26.2 -0.1
U39A	Green Forest	33.70	3	P	P	18 44 26.9 +0.2
X53A	Estanolee	33.70	18	P	P	18 44 27.3 +0.5
U40A	Yellow Hope	33.71	4	P	P	18 44 27.5 +0.7
V46A	Holladay	33.75	11	P	P	18 44 27.6 +0.5
U41A	Viola	33.77	5	P	P	18 44 27.6 +0.3

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W50A	Signal Mountai	33.79	15	eP	P	18 44 27.1 -0.4
W50A	Signal Mountai	33.79	15	P	P	18 44 27.8 +0.3
U42A	Reverden	33.84	6	P	P	18 44 27.1 -0.7
ANMO	Albuquerque	33.85	343	P	P	18 44 29.5 +1.2
ANMO	Albuquerque	33.85	343	eP	LR	18 57 17.9
ANMO	Albuquerque	33.85	343	eP	P	18 44 29.4 +1.1
ANMO	Albuquerque	33.85	343	P	P	18 44 28.5 +0.3
V47A	Nunnely	33.89	11	P	P	18 44 27.8 -0.5
W51A	Cleveland	33.90	16	P	P	18 44 28.2 -0.2
V48A	Smith Brothers	33.95	12	eP	P	18 44

31d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like SMCC Simmler, GRAC Grapevine Rang, L43A Garder Prairie, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like E43A Lone Tree Farm, YHB Horse Butte, QLMT Earthquake Lak, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like PKME Peaks-Kenny Pk, E08A Dider Farm, HAWA Hanford, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like ILI Eielson Array, ILAR Eielson Array, ILAR Bear Paw Mtn., etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like CD2 Chengdu, WSAR Wadi Sarin, GYA Guiyang, etc.

ISCJB 31 18:58:53.8.1.1, 13:19N:0.03:50.47E:0.02, h13km, 6km, mb5.0/230, MS4.746, Error ellipse: s-maj=4.5km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details. Includes stations like Code Station Name, ABTO Aybut, ABTO Dhamar, etc.

ISC 31 19:10:07.1.0.6,24.939N,0.05.9655E,0.06,h10km,n37,
e183/45,mb3.97,Myanmar

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MOKO, KOHIMA, JORHAT, ZIRO, SAH, SHILONG, GUWAHATI, TURA, CHIANG MAI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MSLP, PALO, ORMOCC, LAPU-LAPU, CAGAYAN DE ORO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08N2, H08N3, H08N1, BR101, BR102, etc.

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

ISC 31 19:12:06.0.1.4, 10.49N, 126.53E, h0km, mb3.9/10,
mb1.4/0.10, mb1mx3.7/6.4, mbtmp3.9/10, Error ellipse:
s-maj=132.2km s-min=17.8km az=67.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LLLP, CGP, RCP, MTN, ENH, WR1, WRA, ASAR, etc.

ISC 31 19:12:10.0.5, 10.62N, 126.82E, 0.07, h44km,
mb4.2/18, Error ellipse: s-maj=10.5km s-min=8.5km
az=141.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANTON DAM, ENH, WR1, WRA, ASAR, etc.

ISC 31 19:12:11.0.0.5, 10.65N, 126.87E, h35km, mb4.5/9, Error
ellipse: s-maj=39.7km s-min=6.8km az=67.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAN 31, AUIQP, ODIONGAN, etc.

ISC 31 19:20:37.5.0.6, 13.22N, 0.09.50.35E, 0.06, h15km,
mb4.0/20, MS3.7/1, Error ellipse: s-maj=13.1km
s-min=8.4km az=166.3

ISC 31 19:20:37.2.1.0, 13.26N, 50.37E, h0km, mb3.8/16,
mb1.3/9/17, mb1mx3.7/7.1, mbtmp3.8/17, ML4.2/1, MS3.8/1,
Ms1.3/8.1, ms1mx2.9/5.5, Error ellipse: s-maj=25.4km
s-min=18.1km az=8.0

ISC 31 19:20:39.3.0.8, 13.22N, 0.10.50.31E, 0.09, h15km, n49,
e195/45, mb4.0/20, Eastern Gulf of Aden

31d 20h

Table with columns: BRTR, Station Name, Az, El, Phase ID, Time, Res. Includes stations like Keskin Array B, FINESS Array S, Malin Array B, etc.

IDC 31 20:02:26.5.3.9, 1.21N, 94.36W, h0km, mb3.4/4, mb1 3.9/4, mb1mx3.6/55, mbtmp3.4/4, Error ellipse: s-maj=294.9km s-min=37.7km az=83.0, Galapagos Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TXAR Lajitas Array, NVAR Mina Array, PDAR Pinedale Array, etc.

IDC 31 20:10:22.5.3.2, 10.94N, 127.39E, h0km, mb3.8/4, mb1 3.8/4, mb1mx3.4/65, mbtmp3.8/4, Error ellipse: s-maj=281.0km s-min=26.4km az=68.0, Philippine Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, MKAR Makanchi Array, KURB Kurchatov Arra, etc.

IDC 31 20:15:48.7.3.2, 10.87N, 126.67E, h0km, mb3.6/5, mb1 3.6/5, mb1mx3.4/62, mbtmp3.6/5, Error ellipse: s-maj=275.7km s-min=20.7km az=67.0, ISCJJB 31 20:15:51.4.1.0, 11.01N, 0.1:1.26:97E:0.09, h37km, mb3.6/5, Error ellipse: s-maj=17.8km s-min=12.4km az=0.5

IDC 31 20:15:53.7.1.3, 11.01N, 0.2:1.26:97E:0.1, h37km, n7, s106/8, mb3.8/5, 1C, Philippine Islands region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LLP Lapu-Lapu, RCP Roxas, ASAR Alice Springs, etc.

ISCJJB 31 20:20:35.6.0.2, 23.65S, 0.04:67.71W, 0.04, h132km, mb4.2/43, Error ellipse: s-maj=6.0km s-min=4.7km az=152.7

NEIC 31 20:20:36.2.0.4, 23.80S, 67.68W, h121km, 3km, mb4.4/37, Error ellipse: s-maj=6.7km s-min=4.7km az=77.0

IDC 31 20:20:38.7.2.4, 23.64S, 67.66W, h140km, 21km, mb4.0/14, mb1 4.0/18, mb1mx3.9/46, mbtmp4.3/18, Error ellipse: s-maj=18.0km s-min=12.0km az=77.0

IDC 31 20:20:37.4.0.4, 23.79S, 0.04:67.76W, 0.06, h132km, n317, s109/324, mb4.3/43, Chile-Argentina border region

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like LVC Limon Verde, PB10 IPOC Station P, PB04 IPOC Station P, etc.

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Main table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like ROC1 El Roble, CPUP Villa Florida, CPUP Villa Florida, etc.

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Table with columns: LTX Lajitas, TXAR Lajitas Ar. Si, TXAR Lajitas Array, S50A Richmond, T47A Sharon Grove, X39A Fountain Ranch, T46A Princeton, S48A Wiedeman Farm, R51A Hillsboro, V41A Mountainview, W39A Menzies, W39A MtGage, S47A Hartford, U42A Reviden, V40A Whitts Springs, R49A Shellyville, T44A Benton, S46A Don Dixon Farm, U41A Viola, WCI Wyanette Cave, MCWV Mont Chateau, V39A Pettigrew, P53A Whipple, U40A Yellville, T42A Van Buren, R46A Gibon Southern, S44A Carbondale, Q49A Aurora, P52A Coaling, S43A Fulton Ridge, U39A Green Forest, T41A Mountain View, Q48A North Vernon, R45A Skylar, Fairri, R44A Waltonville, O52A Adamsville, T40A Mansfield, S42A Caledonia, P49A Miami Univ. Ec, TUL1 Leonard, FVM French Village, P48A Milroy, S41A Jilco Farms, O51A Pataskala, T39A Clever, R43A Red Bud, Q45A Wazee Harvey, WMOK Wichita Mounta, ACSO Alum Creek Sta, S40A Lebanon, CCM Cathedral Cave, CCM Cathedral Cave, R42A Luebbering, R41A Rosebud, P45A Graceland, Par, S39A Bolivar, S38A Stockton, MNTX Cornudas Mount, MNTX Cornudas Mount, R40A Maddies Statio, R40A Maddies Statio, Q42A Golden Eagle, O47A Sheridan, Q41A Truxton, R39A Chumby, Stover, R38A Fenwick Farm, O45A Potomac, QSPA South Pole Qui, QSPA South Pole Qui, P42A Winchester, M49A Liberty Center, P41A Barry, Barry, Q39A Willow Grove F, P40A Paris, Q38A Cooks Store, C, O41A Passleys Farm, P39B Salisbury, Q37A Longview Farm, L48A N Adams, N43A Stutzman Famil, O40A La Belle, P38A Dawn, P37A Lathrop

O38A	Galt	67.95	339	P	P	20 31 21.4	-0.6
N40A	Mertquake, Sal	68.05	341	P	P	20 31 21.6	-0.9
O37A	Wolfe Farm, M	68.21	338	P	P	20 31 22.3	-1.3
N39A	Derby Farms, D	68.32	340	eP	P	20 31 23.5	-0.7
N39A	Derby Farms, D	68.32	340	P	P	20 31 23.3	-0.9
L0N9Y	Lake Ozonia	68.36	355	P	P	20 31 24.2	-0.2
DBIC	Dimbokro	68.40	72	eP	P	20 31 25.6	+0.2
DBIC	Dimbokro	68.40	72	eP	P	20 31 25.3	0.0
L43A	Garden Prairie	68.45	343	P	P	20 31 24.3	-0.7
N38A	Joess South For	68.48	339	P	P	20 31 24.5	-0.8
M40A	Post Highland	68.50	341	P	P	20 31 24.5	-0.9
L42A	Oliver Polo	68.53	343	P	P	20 31 25.0	-0.5
L41A	Preston	68.82	342	P	P	20 31 26.8	-0.5
CBKS	Cedar Bluff	69.10	334	P	P	20 31 29.2	0.0
K42A	Prairie Point	69.16	343	P	P	20 31 28.8	-0.6
K41A	Shullsburg	69.26	342	P	P	20 31 29.2	-0.8
L39A	Vinton	69.31	341	P	P	20 31 29.3	-1.0
J43A	Natural Harves	69.48	344	P	P	20 31 30.7	-0.7
JFWS	Jewell Farm	69.53	343	P	P	20 31 31.1	-0.6
K39A	Oelwein	69.80	341	P	P	20 31 32.3	-1.0
J41A	Loganville	69.89	343	P	P	20 31 33.1	-0.7
I43A	Langenfeld Bro	69.89	344	P	P	20 31 33.1	-0.8
GLMI	Grayling	69.99	347	P	P	20 31 34.0	-0.5
I42A	Draeger Farm,	70.09	344	P	P	20 31 34.6	-0.5
J40A	Soldiers Grove	70.11	342	P	P	20 31 34.5	-0.7
J39A	Decorah	70.33	342	P	P	20 31 36.2	-0.4
H43A	Wind swept, Lux	70.35	345	P	P	20 31 35.8	-0.9
K37A	Belmond	70.39	340	P	P	20 31 37.0	-1.0
K36A	Gilmore City	70.53	339	P	P	20 31 37.4	-0.5
J38A	Wedel Dairy, R	70.54	341	P	P	20 31 36.8	-1.0
H42A	Shiocton	70.57	344	P	P	20 31 37.4	-0.6
SDGC	Belgrade	70.72	336	P	P	20 31 38.7	-0.4
BGNE	Great Sand Dun	70.75	329	eP	P	20 31 38.6	-1.0
I39A	Houston	70.75	342	P	P	20 31 38.5	-0.6
J37A	Redenius Farm,	70.86	340	P	P	20 31 39.0	-0.8
J36A	Seneca 1, Swea	71.12	340	P	P	20 31 40.6	-0.7
H40A	Chili	71.15	343	P	P	20 31 40.9	-0.6
I38A	Scanlan Farm,	71.16	342	P	P	20 31 40.8	-0.8
G42A	Mountain	71.23	345	P	P	20 31 41.3	-0.7
I37A	Lemond, Waseca	71.45	341	eP	P	20 31 43.2	-0.1
I37A	Lemond, Waseca	71.45	341	P	P	20 31 42.8	-0.5
F43A	Flat Rock, Esc	71.50	346	P	P	20 31 42.9	-0.6
I36A	Fitzsimmons Fa	71.64	340	P	P	20 31 43.8	-0.7
G40A	Rib Lake	71.70	344	P	P	20 31 44.5	-0.4
F41A	Three Lakes	71.86	344	P	P	20 31 45.5	-0.3
E43A	Lone Tree Farm	71.97	346	P	P	20 31 46.3	-0.1
G38A	Ridgeland	72.06	342	P	P	20 31 46.1	-0.9
H36A	Jessenland, He	72.12	341	P	P	20 31 47.0	-0.3
ECSD	EROS Data Cent	72.22	338	P	P	20 31 47.5	-0.5
F40A	Park Falls	72.29	344	P	P	20 31 48.0	-0.3
F39A	Loretta	72.49	343	P	P	20 31 49.1	-0.4
E40A	Wakefield	72.72	344	P	P	20 31 50.9	0.0
F38A	Pierce - Schro	72.79	343	P	P	20 31 50.9	-0.4
E39A	Mellen	72.83	344	P	P	20 31 51.3	-0.2
BC31	Big Chuckawall	72.96	320	P	P	20 31 51.9	-0.8
D41A	Chassel	72.98	345	P	P	20 31 52.5	+0.2
IRM	Iron Mountain	73.13	320	P	P	20 31 54.3	+0.7
N23A	Red Feather La	73.48	331	P	P	20 31 56.7	+0.9
PFO	Pinyon Flats O	73.53	319	P	P	20 31 57.2	+1.1
GMRC	Granite Mounta	73.77	321	P	P	20 31 59.2	+1.2
O20A	White River Ci	73.94	329	P	P	20 31 59.4	+1.0
HEC	Hector, Ludlow	74.30	320	P	P	20 32 01.8	+1.3
EYMN	Ely	74.52	344	P	P	20 32 02.1	-0.1
VRI	Fort Macarthur	74.70	318	P	P	20 32 02.1	-0.6
VNDA	Vanda	74.79	190	P	P	20 32 03.4	+0.7
VNDA	Vanda	74.79	190	eP	P	20 32 04.3	+1.7
GSC	Goldstone, Bar	74.91	320	P	P	20 32 04.3	+0.3
EDW2	Edwards Air Fo	75.32	319	P	P	20 32 07.1	+0.8
TPNV	Topnash Spring	75.74	322	P	P	20 32 10.0	+1.2
MPMC	Manual Prospec	75.83	320	P	P	20 32 10.0	+0.6
RCW	Renegade Canyo	75.85	320	eP	P	20 32 12.8	+3.5
ISA	Isabella, Lake	76.14	320	P	P	20 32 12.1	+1.2
DUG	Dugway, Tooele	76.24	326	P	P	20 32 12.9	+1.4
R11A	Troy Canyon, C	76.36	323	P	P	20 32 13.7	+1.4
PKM	Mpherson Peak	76.42	318	P	P	20 32 13.4	+0.7
A33A	Warroad	76.49	342	P	P	20 32 12.8	+0.3
BW06	Boulder Array	76.61	330	P	P	20 32 14.4	+0.8
PD31	Pinedale Array	76.61	330	eP	P	20 32 13.7	0.0
PDAR	Pinedale Array	76.61	330	P	P	20 32 13.9	+0.3
PDAR	Pinedale Array	76.61	330	eP	P	20 32 14.5	+0.8
HWUT	Hardware Ranch	76.67	328	eP	P	20 32 15.9	+1.9
TOAD	Torodi Ar. Sit	77.14	69	eP	P	20 32 15.8	-1.1
TOA1	Torodi Ar. Sit	77.14	69	eP	P	20 32 16.2	-0.7
TORD	Torodi Ar. Bea	77.14	69	eP	P	20 32 16.2	-0.7
RCRD	Rock Creek Can	77.53	321	eP	P	20 32 18.2	-0.8
ULM	Lac du Bonnet	77.81	342	P	P	20 32 19.6	-0.3
ULM	Lac du Bonnet	77.81	342	eP	P	20 32 19.6	-0.2
TPAW	Teton Pass	77.82	329	eP	P	20 32 20.1	-0.3

NV01	Mina Array Sit	77.94	322	eP	P	20 32 21.7	+0.6
FXWY	Fox Creek	77.97	329	eP	P	20 32 21.2	0.0
IMW	Indiant Meadow	78.12	330	eP	P	20 32 23.1	+0.9
FLWY	Flagg Ranch	78.16	330	eP	P	20 32 23.4	+1.1
KVN	Kaiserville	78.25	322	eP	P	20 32 23.7	+0.9
RLMT	Red Lodge	78.32	331	eP	P	20 32 24.0	+0.9
RLMT	Red Lodge	78.32	331	P	P	20 32 24.0	+0.9
YNR	Norris Junctio	78.63	330	eP	P	20 32 25.1	+0.2
YHH	Holmes Hill	78.77	330	eP	P	20 32 27.1	+1.5
GCMT	Greyholf	79.02	332	eP	P	20 32 27.7	+0.9
PAHR	Pah Rah Range	79.42	322	eP	P	20 32 30.3	+1.1
HLID	Hailey	79.53	327	eP	P	20 32 30.8	+1.0
HLID	Hailey	79.53	327	P	P	20 32 30.9	+1.2
MCMT	McKenzie Canyo	79.72	329	eP	P	20 32 32.3	+1.5
BOZ	Bozeman (W)	79.74	330	eP	P	20 32 31.6	+0.9
MFID	Camas Ranch	80.13	327	eP	P	20 32 31.3	+0.3
LRM	Limekiln Ridge	80.29	330	eP	P	20 32 35.0	+1.2
ORV	Oroville	80.53	321	eP	P	20 32 35.9	+1.0
EGMT	Eagleton	80.81	333	eP	P	20 32 36.2	-0.1
EGMT	Eagleton	80.81	333	P	P	20 32 37.1	+0.8
MOD	Modoc Plateau	81.43	323	eP	P	20 32 40.1	+0.3
J08A	Circle Bar Ran	81.45	325	eP	P	20 32 40.3	+0.4
BOSA	Boshoif	81.45	317	P	P	20 32 40.1	-0.3
MAW	Mawson	81.84	163	P	P	20 32 42.8	+1.3
MAW	Mawson	81.84	163	eP	P	20 32 42.5	+1.0
MAW	Mawson	81.84	163	eP	P	20 33 14.5	-0.3
BMO	Blue Mountains	81.90	327	eP	P	20 32 42.5	+0.3
M04C	Macdoel	82.20	322	P	P	20 32 44.3	+0.5
J05D	Fort Rock, OR	82.87	324	P	P	20 32 48.0	+0.7
PINE	Pine Mountain	83.05	324	eP	P	20 32 49.1	+0.8
WTV	Waterville	85.20	328	eP	P	20 33 01.9	+3.0
ESDC	Seneca Array	86.72	44	P	P	20 33 08.1	+1.4
ES19	SONSECA Array	86.78	44	eP	P	20 33 07.3	+0.5
YKA	Yellowknife Arr	93.69	327	eP	P	20 33 38.6	+0.1
ASAR	Alice Springs	128.35	206	PKP	PKPdf	20 39 29.1	-0.1
WR1	Warramunga Arr	131.49	208	ePKP	PKPdf	20 39 35.1	0.0
WRA	Warramunga Arr	131.49	208	ePKP	PKPdf	20 39 35.1	0.0
KURK	Kurchatov	142.61	35	ePKP	PKPdf	20 39 55.3	+0.7
KURB	Kurchatov Arr	142.62	36	PKP	PKPdf	20 39 55.3	+0.7
ZAA1	Zalesovo Array	143.53	27	ePKP	PKPbc	20 39 53.9	+0.1
ZALV	Zalesovo Beam	143.53	27	PKP	PKPbc	20 39 53.9	+0.1
KSH	Kashi	145.64	54	PKP	PKPbc	20 40 01.8	+3.3
KSH	Kashi	145.64	54	PKP	PKPbc	20 40 26.5	+0.4
AMB	AMB			PKP	PKPbc	20 41 00.5	-2.0
AMB	AMB			PKP	PKPbc	20 41 28.8	+2.0
MK32	Makanchi Array	146.80	39	PKP	PKPdf	20 40 02.9	+0.8
MKAR	Makanchi Array	146.80	39	PKP	PKPdf	20 40 02.9	+0.8
LEM	Lembang	149.24	171	PKP	PKPbc	20 40 12.1	+0.5
KLR	Kul'dur	150.33	34	PKP	PKPbc	20 40 12.4	-0.6
MJAR	Matucchio Arr	154.29	306	ePKP	PKPab	20 40 37.0	+0.2
MAJZ	Matsushiro	154.29	306	ePKP	PKPab	20 40 37.0	+0.2
MAJO	Lanzhou	165.75	29	ePKP	PKPab	20 40 26.5	-0.4
LZH	Lanzhou	165.75	29	ePKP	PKPab	20 41 00.5	-2.0
LZH	Lanzhou	165.75	29	ePKP	PKPab	20 41 28.8	+2.0

GOLR		1.16	236	iP	Pn	20 22 31.0	+0.4
GOLR		1.16	236	iP	Pn	20 22 31.0	+0.4
ARR	Arges	1.20	265	iP	Pn	20 22 31.0	0.0
ARR	Arges	1.20	265	iP	Pn	20 22 31.0	0.0
ARR	Arges	1.20	265	iP	Pn	20 22 31.0	0.0
SGRR	Singureni	1.29	191	iP	Sn	20 22 49.4	-0.7
SGRR	Singureni	1.29	191	iP	Sn	20 22 49.4	-0.7
SGRR	Singureni	1.29	191	iP	Sn	20 22 50.2	+0.1
SGRR	Singureni	1.29	191	iP	Sn	20 22 51.3	-0.4
CFR	Carcalui	1.32	103	iP	Pn	20 22 31.4	-0.7
CFR	Carcalui	1.32	103	iP	Pn	20 22 31.4	-0.7
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 50.3	-1.8
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 50.3	-1.8
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 52.5	+0.3
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 51.9	-0.4
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 32.4	+0.3
GIUM	Giurgiuilesti	1.33	90	iP	Sn	20 22 51.8	-0.5
HUMR	Humele	1.35	225	iP	Sn	20 22 32.5	0.0
HUMR	Humele	1.35	225	iP	Sn	20 22 32.5	0.0
HUMR	Humele	1.35	225	iP	Sn	20 22 52.4	-0.4
HARR	Harsova	1.39	125	iP	Pn	20 22 32.8	-0.1
HARR	Harsova	1.39	125	iP	Pn	20 22 32.8	-0.1
BIZ	Bicaz	1.46	354	iP	Pn	20 22 34.3	+0.7
BIZ	Bicaz	1.46	354	iP	Pn	20 22 34.3	+0.7
BIZ	Bicaz	1.46	354	iP	Pn	20 22 55.3	+0.4
GIRR	Girov	1.47	5	iP	Pn	20 22 34.0	+0.2
GIRR	Girov	1.47	5	iP	Pn	20 22 34.0	+0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like TEKS, SEJ, BBL, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like BESP, PLP, MSLP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details. Includes stations like PBKT, LEM, LEM, etc.

ISCJB 31 20:26:44.9, 0.9, 10.776N, 126.82E, 0.02, h12km, 6km, m5.0/190, MS4.2/7, Error ellipse: s-maj=3.4km s-min=3.0km az=164.2

ISC 31 20:26:44.8, 0.3, 10.777N, 126.79E, h0km, mb4.7/47, mb1 4.8/52, mb1mx4.7/68, mbtmp4.7/52, ML4.4/5, MS4.1/2

ISC 31 20:26:44.8, 0.3, 10.777N, 126.79E, h0km, mb4.7/47, mb1 4.8/52, mb1mx4.7/68, mbtmp4.7/52, ML4.4/5, MS4.1/2

31d 20h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NB2 NORSAR Subarra, KECS Kecoovo, VTS Vitosh, etc.

ISCJB 31 20:27:05.0±0.7, 101.80N, 0108.126°8E±0.2, h10km, s-min=10.2km az=14.0

ISC 31 20:27:05.1±0.9, 101.82N, 126°83E, h0km, mb4.6/19, mb1 4.7/20, mb1mx4.4/65, mbtmp4.6/20, ML4.4/1, MS3.6/2, Ms1 3.6/2, ms1mx3.1/54, Error ellipse: s-maj=29.7km s-min=20.1km az=92.0

ISC 31 20:27:06.4±0.8, 101.82N, 01126°9E±0.2, h10km, n23, c090/22, mb4.7/19, 1D, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CGP Cagayan de Oro, DAV Davao City (W), etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GEYT Alibeck, ARU Arti, etc.

IDC 31 20:34:44.3±1.9, 101.54N, 126°56E, h0km, mb3.7/7, mb1 3.8/7, mb1mx3.5/62, mbtmp3.7/7, Error ellipse: s-maj=19.4km s-min=19.6km az=65.0

ISC/CB 31 20:34:48.8±2.0, 101.55N, 0126°6E±1, h44km, mb3.8/7, Error ellipse: s-maj=19.47km s-min=17.4km az=155.6

ISC 31 20:34:50.5±1.9, 101.55N, 0126°7E±1, h44km, n7, c093/8, mb3.8/7, Philippine Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, STKA Stephens Creek, etc.

AZER 31 20:35:53.8±0.0, 38°44'N, 46°67'E, h5km, 4km, m3.7/26, Error ellipse: s-maj=8.7km s-min=2.9km az=23.0

TEH 31 20:35:56.5, 38°43'N, 46°68'E, h4km, ML3.5, IDC 31 20:35:57.9±1.3, 38°50'N, 46°76'E, h0km, mb3.5/4, mb1 3.7/6, mb1mx3.4/65, mbtmp3.5/6, ML2.3/2, Error ellipse: s-maj=31.1km s-min=14.0km az=20.0

ISC 31 20:35:56.9±1.2, 38.45N, 0103.4667E±0.02, h1km, 10km, n5, c195/379, mb3.6/4, 19C-30D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

PRU 31 20:38:08.1±0.0, 50.37N, 18°89'E, h0km, Poland

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CHPZ Chorzow, OJC Ojcow, etc.

TEH 31 20:41:06.9, 38°41'N, 46°72'E, h13km, ML3.2, AZER 31 20:41:07.0±0.4, 38°47'N, 46°70'E, h4km, 16km, ml3.4/18, Error ellipse: s-maj=16.6km s-min=3.6km az=16.0

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SEKA Qazax, AZER 31, etc.

TEH 31 20:41:06.9, 38°41'N, 46°72'E, h13km, ML3.2, AZER 31 20:41:07.0±0.4, 38°47'N, 46°70'E, h4km, 16km, ml3.4/18, Error ellipse: s-maj=16.6km s-min=3.6km az=16.0

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

ISC 31 20:41:08.8±1.2, 38.38N, 0103.4668E±0.02, h3km, 11km, n35, c192/57, 20C-14D, Iran-Armenia-Azerbaijan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IHRH Heris, IHRM Marand, etc.

31d 21h

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BUI 31 21:22:28.2, 10.48N, 126.77E, h44km, mb4.7/54, mB5.1/32, Ms4.4/33, Ms7.4/1/31
DJA 31 21:22:29.5, 1.8, 11°N, 127°E, h15km, 12km, M4.7/36, mB5.3/14, mb4.8/36, Mw(mB)4.7/14
NEIC 31 21:22:31.2, 2.0, 5.10, 57N, 126.69E, h44km, 4km, mb4.9/50, Error ellipse: s-maj=4.7km s-min=2.7km az=79.0

NEIC Felt at Dumaguete, Negros.
ISC 31 21:22:39.0, 8.10, 68N, 0.003, 126.79E, 0.04, h27km, 5km, m216, 173/242, mb4.8/97, MS3.9/13, 8C-10L, Philippine

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC, and various station codes (KMI, MJI, etc.) and their associated data points.

IDC 31 21:24:44.8, 2.7, 10, 47N, 126.78E, h0km, mb3.8/4, mb1.3/9.4, mb1mx3.5/58, mbt3.8/4, Error ellipse: s-maj=259.1km s-min=26.6km az=67.0, Philippine Islands region

IDC 31 21:29:04.4, 5.7, 9, 98N, 126.97E, h0km, mb3.9/5,

mb1 3.9/5, mb1mx3.6/56, mbtmp3.9/5, Error ellipse: s-maj=181.0km s-min=100.4km az=87.0
 ISCB 31 21:29:08.0, 0.7, 10.0N:0.1:126.94E:0.07, h41km, mb4.0/9, Error ellipse: s-maj=15.5km s-min=10.0km az=14.6
 NEIC 31 21:29:09.6, 0.5, 10.01N:126.96E, h35km, mb4.3/5, Error ellipse: s-maj=15.3km s-min=9.5km az=56.0
 ISC 31 21:29:10.2, 0.8, 10.0N:0.1:126.9E:0.1, h41km, n12, oF54/12, mb4.1/9, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
LLP	Lapu-Lapu	2.94 276	eP	Pn	21 30 02.6	+8.2
LLP			eS	Sn	21 30 27.9	-0.6
TATO	Taipei	15.77 342	Pn	Pn	21 32 48.6	-0.8
GUMG	Guam	17.91 37	Pn	Pn	21 33 15.9	-0.5
ENH	Enshi	25.91 324	P	P	21 34 38.6	0.0
CTAO	Charters Tower	35.44 148	P	P	21 36 02.4	-0.3
SONM	Songino Array	41.50 339	P	P	21 36 53.5	+0.1
NWAO	Narogin (SRO)	43.68 192	P	P	21 37 11.2	0.0
MKAR	Makanchi Array	52.63 323	P	P	21 38 20.8	+0.6
KURK	Kurchatov	56.66 325	P	P	21 38 48.9	-0.3
KURBS	Kurchatov Arra	56.66 325	P	P	21 38 49.3	0.0
BRTR	Keskin Array B	86.21 309	P	P	21 41 48.4	+0.5
FINES	FINES Array B	86.53 329	P	P	21 41 49.0	+0.7

ISC 31 21:29:25.4, 1.1, 0.11N:123.93E, h0km, mb3.8/6, mb1 3.9/7, mb1mx3.6/56, mbtmp3.9/7, ML3.5/1, Error ellipse: s-maj=52.7km s-min=20.6km az=76.0
 ISCB 31 21:29:36.0, 0.5, 0.16N:0.06:124.30E:0.04, h110km, mb3.8/6, Error ellipse: s-maj=7.9km s-min=5.5km az=4.6
 DJA 31 21:29:39.5, 0.6, 0.3:3:12.4E, h37km, ML4, M4/13, mb4.7/2, mb4.5/6, MLV4.3/13, Mw(MB)3.9/2
 ISC 31 21:29:39.0, 0.8, 0.13N:0.07:124.29E:0.05, h110km, n21, oF47/25, mb3.9/6, Minahassa Peninsula, Sulawesi

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
KMSI	Cibinong	0.54 324	Op	Pn	21 29 54.1	-1.0
KMSI			S	Sn	21 30 05.1	-2.8
LWUI	Luwuk	1.92 232	P	Pn	21 30 10.4	+0.0
SPSI	Sidrapalu	5.09 328	P	Pn	21 30 35.9	+1.6
MRSI	Marisa	2.38 278	P	Pn	21 30 14.7	-1.1
SANI	Sanana	2.76 142	P	Pn	21 30 18.4	-2.3
APSI	Ampana	2.84 249	P	Pn	21 30 22.3	+0.4
APSI			S	Sn	21 30 58.5	+2.8
LBMI	Labuha	3.30 103	P	Pn	21 30 29.1	+1.1
LBMI			S	Sn	21 31 07.1	+0.5
NLAI	Namlea	4.37 140	P	Pn	21 30 41.6	-0.7
MPSI	Mapaga	4.40 273	P	Pn	21 30 44.1	+1.4
TTSI	Tana Toraja	5.47 235	P	Pn	21 30 56.7	-0.5
MSAI	Masohi	5.78 127	P	Pn	21 31 02.8	+1.4
SPSI	Sidrapalu	5.78 127	P	Pn	21 31 05.1	+1.6
BNSI	Bone	6.15 223	P	Pn	21 31 05.6	-0.8
FAKI	Fak Fak	8.51 111	P	Pn	21 31 39.0	+0.5
EDFI	Ende, Flores	9.20 196	P	Pn	21 31 45.3	-2.6
FITZ	Fitzroy Crossi	18.17 176	P	P	21 33 40.0	-2.0
ASAR	Allice Springs	25.43 159	P	P	21 34 55.9	+0.2
MJAR	Matsushiro Arr	38.46 18	P	P	21 36 50.2	+1.0
USRK	Ussuriysk Arr	44.41 8	P	P	21 37 38.8	+1.2
MKAR	Makanchi Array	59.19 328	P	P	21 39 27.5	+0.1
ZALV	Zalesovo Beam	62.73 335	P	P	21 39 50.5	-0.8
KURBS	Kurchatov Arra	63.50 329	P	P	21 39 56.2	-0.2

ISC 31 21:43:47.8, 2.5, 10.68N:127.13E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.5/64, mbtmp3.9/5, Error ellipse: s-maj=232.2km s-min=21.1km az=68.0, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
WRA	Warramunga Arr	31.24 167	P	P	21 50 09.1	-0.2
ASAR	Allice Springs	34.77 169	P	P	21 50 40.4	+0.2
MKAR	Makanchi Array	52.22 322	P	P	21 53 01.5	+0.8
KURBS	Kurchatov Arra	56.66 325	P	P	21 53 29.6	-0.1
FINES	FINES Array B	85.94 332	P	P	21 56 28.6	-1.0

ISC 31 21:47:32.0, 5.4, 17.61S:178.63W, h645km, 60km, mb2.9/7, s-maj=76.9km s-min=31.1km az=148.0

ISC 31 21:47:23.9, 1.5, 17.5S:178.4W:0.3, h547km, n9, oF132/11, mb3.6/7, Fiji Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
CTA	Charters Tower	33.50 260	P	P	21 53 19.7	+1.2
STKA	Stephens Creek	38.80 241	P	P	21 54 02.2	+0.3
WRA	Warramunga Arr	44.69 259	P	P	21 54 48.9	+0.2
WRA			PcP	PcP	21 56 17.2	-2.2
ASAR	Allice Springs	44.88 254	P	P	21 54 50.1	-0.1
ASAR			PcP	PcP	21 56 17.9	-2.2
FITZ	Fitzroy Crossi	53.08 260	P	P	21 55 50.3	+0.5
ILAR	Elison Array	55.53 13	P	P	21 59 03.3	-0.5
TXAR	Lajitas Array	85.51 58	P	P	21 59 06.9	+0.8
MMAI	Mount Meron Arr	145.93 303	PKPbc	PKPbc	22 06 01.3	+0.1
GERES	GERES Array B	147.25 345	PKPbc	PKPbc	22 06 04.0	+1.1

ISC 31 21:56:04.7, 1.6, 10.22N:126.87E, h0km, mb3.7/8, mb1 3.9/6, mb1mx3.5/64, mbtmp3.9/7, Error ellipse: s-maj=183.3km s-min=17.7km az=68.0

ISC 31 21:56:10.7, 1.5, 10.1N:0.5:127.2E, h41km, n8, oF34/8, mb3.7/8, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
WRA	Warramunga Arr	30.82 166	P	P	22 02 22.6	-0.4
ASAR	Allice Springs	34.32 168	P	P	22 02 53.3	-0.3
STKA	Stephens Creek	44.14 162	P	P	22 04 15.8	+0.5
MKAR	Makanchi Array	52.39 323	P	P	22 05 18.9	-0.1
ZALV	Zalesovo Beam	54.95 331	P	P	22 05 37.4	-0.1
KURBS	Kurchatov Arra	56.42 325	P	P	22 05 48.3	+0.1
ARCES	ARCES Array B	84.47 340	P	P	22 06 38.7	-0.2
FINES	FINES Array B	86.21 332	P	P	22 08 47.9	+0.2

DJA 31 22:01:15.2, 0.7, 11.1N:4.5:12.7E, h12km, 3km, M5.0/4.6, mB5.4/24, mb5.1/48, MLV5.6/1, Mw(MB)4.8/24
 ISCB 31 22:01:16.9, 0.8, 11.04N:0.02:126.86E:0.02, h22km, 5km, mb4.9/150, MS4.0/22, Error ellipse: s-maj=3.4km s-min=2.8km az=176.6
 MAN 31 22:01:16.5, 11.13N:126.88E, h65km, mb5.4, ML4.3, MS4.5
 MOS 31 22:01:17.8, 1.0, 10.97N:126.81E, h32km, mb5.1/35, Error ellipse: s-maj=9.2km s-min=5.1km az=116.2
 BUI 31 22:01:17.3, 10.87N:127.03E, h38km, mb4.9/68, mB5.0/37, Mw4.3/55, M5.7 4.2/4
 NEIC 31 22:01:20.2, 0.1, 10.98N:126.87E, h35km, mb5.1/67, Error ellipse: s-maj=4.0km s-min=2.8km az=89.0
 NEIC Felt at Masin, Merida and Ormoc, Leyte
 KLM 31 22:01:22.0, 11.00N:127.02E, h50km, mb5.1
 ISC 31 22:01:22.8, 0.3, 11.01N:0.03:126.88E:0.04, h38km, 1km, n547, oF155/610, mb4.9/150, MS4.0/24, 23C-17D, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
BESP	Borongan	1.54 293	Op	Pn	22 01 41.0	-4.6
BESP			eS	Sn	22 02 01.9	-2.5
PLP	Palo	1.88 275	Op	Pn	22 01 47.6	-2.8
PLP			iS	Sn	22 02 09.7	-3.1
MSLP	Maasin	2.17 247	eP	Pn	22 01 52.7	-1.7
MSLP			eS	Sn	22 02 18.5	-1.4
OCLP	Ormoc	2.23 271	eP	Pn	22 02 28.0	-3.6
OCLP			eS	Sn	22 02 26.8	+5.2
BUTP	Butuan	2.38 212	eP	Pn	22 01 55.6	-1.6
BUTP			eS	Sn	22 02 26.9	+1.8
CNP	Catarman	2.64 305	eP	Pn	22 01 57.3	-3.6
CNP			eS	Sn	22 02 02.0	-3.6
BIPH	Bislig	2.85 190	iP	Pn	22 02 11.8	-2.0
BIPH			iS	Sn	22 02 29.0	-7.8
LLP	Lapu-Lapu	2.95 257	iP	Pn	22 02 04.2	-0.8
LLP			eS	Sn	22 02 41.0	+1.7
TBT	Tagbilaran	3.25 247	eP	Pn	22 02 08.8	-0.4
CGP	Cagayan de Oro	3.33 221	iP	Pn	22 02 09.1	-1.2
CGP			eS	Sn	22 02 45.2	-3.4
MMPH	Masbate	3.46 293	eP	Pn	22 02 10.8	-1.3
MMPH			eS	Sn	22 02 49.1	-2.9
BUKP	Musuan	3.59 210	eP	Pn	22 02 13.5	-0.4
PVCP	Virac	3.71 314	eP	Pn	22 02 55.9	-0.7
PVCP			eS	Sn	22 02 53.7	-4.3
SNPH	Sibulan	3.95 246	iP	Pn	22 02 18.8	-0.2
MATI	Mati	4.08 189	eP	Pn	22 02 20.0	-0.7
MATI			eS	Sn	22 03 04.6	-2.6
RCP	Roxas	4.10 278	iP	Pn	22 02 19.7	-1.2
RCP			eS	Sn	22 03 05.0	-2.6
DAV	Davao City (W)	4.12 198	Pn	Pn	22 02 20.7	-0.5
DAV			S	Sn	22 03 10.0	+1.9
DAV	Davao City (W)	4.12 198	eP	Pn	22 02 21.4	+0.2
DAV			S	Sn	22 03 10.1	+1.9
GUIM	Jordan	4.24 265	eP	Pn	22 02 19.7	-3.1
GUIM			eS	Sn	22 03 08.8	-2.2
ALUP	San Andres	4.72 300	eP	Pn	22 02 26.2	-2.6
JAP	San Jose, Anti	4.86 267	iP	Pn	22 02 18.4	-4.4
OTRP	Odiangan	4.95 286	eP	Pn	22 02 31.2	-1.5
OTRP			eS	Sn	22 02 18.3	-1.0
DDMP	Davao Marcelino	5.00 193	eP	Pn	22 02 31.9	-1.5
DDMP			eS	Sn	22 03 29.4	-0.7
CUYO	Cuyo Island	5.76 269	eP	Pn	22 02 19.2	-2.6
SJMP	San Jose	5.83 285	eP	Pn	22 02 43.8	-0.9
SGY	Tagaytay City	6.57 299	Pn	Pn	22 02 57.8	+2.8
SGY			LR	LR	22 05 52.0	
BUSP	Coron	7.788nm, 20.5s, baz=123, slow=43	LR	LR	22 02 53.3	-2.4
BALP	Baler	6.63 279	eP	Pn	22 02 58.8	-1.8
BALP			eS	Sn	22 04 08.5	-1.0
APYP	Conner	8.73 322	eP	Pn	22 03 22.8	-1.8
MWLM	Lahad Datu	10.12 236	eP	Pn	22 03 43.6	+0.1
TNTI	Ternate	10.18 177	eP	Pn	22 03 43.5	-0.9
TNTI			eS	Sn	22 03 44.4	0.0
TNTI			eS	Sn	22 05 37.6	+0.2
KKM	Kota Kinabalu	11.64 246	eP	Pn	22 04 05.7	+1.1
KKM			eS	Sn	22 04 07.0	+2.4
SJJI	Soroban	11.64 246	P	Pn	22 04 16.8	-0.5
LWUI	Luwuk	12.65 199	P	Pn	22 04 21.5	+3.3
LWUI			eP	Pn	22 04 19.3	+1.1
MPSI	Mapaga	12.67 214	P	Pn	22 04 22.5	+4.1
APSI	Ampana	12.92 204	P	Pn	22 04 20.4	-3.6
SANI	Sanana	13.00 184	P	Pn	22 04 17.2	-5.8
YULB	Yu-li	13.42 337	eP	Pn	22 04 30.0	+1.3
TPUB	Ta-pu	13.61 335	eP	Pn	22 04 32.9	+1.7
YOJ	Yonaguni jima	13.88 345	eP	Pn	22 04 35.6	+0.6
YOJ			e			

Table with columns for station name, frequency, power, and other technical details. Includes stations like VSR, LPSR, MOS, EGAK, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like O39A, Q39A, O41A, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Z48A, V52A, TKL, etc.

ADC 31 22:07:50.7±0.5, 10.58N, 126.86E, h0km, mb4.1/26, mb1 4.2/27, mb1mx4.1/58, mb1mx4.1/27, ML3.5/1, MS4.4/1, Ms1 4.4/1, ms1mx2.8/60, Error ellipse: s-maj=22.2km s-min=11.4km az=76.0

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, and other details. Includes stations like BESP, BESP, PLO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMAI Mount Meron Arr, BRTR Keskin Array B, FINES FINES Array B, etc.

ICD 31 22:22:01.0.0.8, 7.50S:124.89E, h343km, 9km, mb3.3/11, mb1 3.6/17, mb1mx3.3/59, mbtmp4.2/17, Error ellipse: s-maj=15.5km s-min=9.0km az=67.0

Main table for 31d 22h section, listing various stations and their coordinates. Includes stations like SOEI Soe, MMRI Baumata, BATTI Baumata, etc.

ICD 31 22:28:55.4.2.9, 11.02N:128.24E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.4/64, mbtmp3.7/5, Error ellipse: s-maj=224.4km s-min=29.1km az=69.0, East of Philippine Islands

Table for the second 31d 22h section, listing stations like ASQU Asqua, MKAR Makanchi Array, KURBB Kurchatov Arr, etc.

Main table for 2012 AUG section, listing stations like SSP9 Sansepolcro, PARC Parchiule, SFI Santa Sofia, etc.

Main table for 1572 section, listing stations like ATPI Pietralunga, ATPI Pietralunga, PE3 Peglio, etc.

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

DJA J1 23:37:15.5, 0.9, 8.7, 10.7E, h28km, 7km, M3.6/12, MLV3.6/12, Jawa

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

IDC J1 23:37:52.0, 0.3, 10.38N, 126.75E, h0km, mb5.2/55, mb1.5/261, mb1mx5.1/69, mbmp5.2/61, ML4.8/6, MS4.8/9, Ms1.4/8.9, ms1mx4.6/19, Error ellipse: s-maj=10.5km s-min=7.2km az=74.0

ISC/JB J1 23:37:54.7, 0.0, 10.40N, 0.01, 126.77E, h28km, 4km, mb5.5/242, MS5.1/154, Error ellipse: s-maj=3.0km s-min=2.5km az=177.4

MAN J1 23:37:54.7, 10.52N, 126.88E, h32km, mb6.2, ML5.2, MS5.8

MOS J1 23:37:55.9, 1.0, 10.40N, 126.74E, h34km, mb5.8/49, MS5.0/25, Error ellipse: s-maj=7.5km s-min=4.2km az=114.1

BUI J1 23:37:56.1, 10.36N, 126.77E, h41km, mb5.4/74, mb5.6/64, MS5.5/86, MS7.5/379

KLM J1 23:37:56.0, 10.61N, 127.28E, h54km, mb5.9, MS5.0/77, mb5.5/97, MLV6.0/2, Mw(mb)5.7/77

NEIC J1 23:37:58.4, 0.4, 10.39N, 126.72E, h40km, 3km, mb5.7/82, MS5.1/121, Error ellipse: s-maj=3.4km s-min=2.5km az=83.0

NEIC Feil (P RIVS) at Surigao, Mindanao. Also felt at Davao, GGMT J1 23:37:58.3, 0.2, 10.45N, 0.02, 126.99E, 0.01, h13km, MW5.6/137, Moment Tensor Solution: Ms5.8/272, s137, c261; Duration: 1s5 Moment tensor: Scale 1017 Nm; Mn=2.92±.10; Mw=0.62±.05; Ms=2.30±.07; Mo=0.7±.19; Mo±0.7±.03; Mo±1.37±.16; Best double couple: Ms3.07600±.017; NP1±.346.00000±.858.00000±.1, λ-83.00000±. NP2±.153.00000±.833.00000±. λ-1.010000±. Principal axes: T 2.8910, Plg13.0000±, Azm171.0000±; N 0.3730, Plg6.0000±, Azm162.0000±; P -3.2620, Plg76.0000±, Azm277.0000±; nstia refers to body waves, cutoff=40s. nstia2 refers to surface waves, cutoff=80s. Triaxial moment-rate function

ISC J1 23:37:58.3, 0.2, 10.41N, 0.03, 126.78E, 0.04, h39km, 2km, h40km, pP-P, N1080, s163/1107, mb5.6/239, MS5.1/159, 31C-84D, Philippine Islands region

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

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

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

NKL	comp=N,2um,17.0s		MLR	MLR		
NKL	comp=E,1um,17.0s		MLR	MLR		
ZAK	comp=Z,2um,14.0s					
ZAK	Zakamensk	44.31 339	eP	P	23 46 04.6 +0.1	
ZAK			e		23 47 48.4	
ZAK	comp=Z,21nm,1.7s		pmax	pmax		
ZAK	comp=Z,22nm,1.8s		pmax	pmax		
STKA	Stevens Creek	44.38 162	P	P	23 46 04.2 -0.9	
STKA	comp=Z,21nm,0.8s,baz=336,slow=6.8,SNR=16		PcP	P	23 47 48.3 -0.3	
STKA	Stevens Creek	44.38 162	eP	P	23 46 05.1 0.0	
STKA	comp=Z,18nm,1.4s					
STKA	Piuthan		PcP	PcP	23 47 48.3 -0.3	
PYUN	comp=Z,86nm,0.8s	44.64 300	eP	P	23 46 06.8 -0.8	
TLY	Talaya		eP	P	23 46 12.7 +0.7	
TLY			eS	ScS	23 52 47.0 -2.7	
TLY			eSS	pmax	23 56 05.7 +0.1	
IRK	comp=Z,54nm,0.9s					
IRK	lrkutsk	45.54 341	eP	P	23 46 14.6 +0.5	
IRK			pmax	pmax		
PALK	Pallekele	45.61 270	P	P	23 46 15.2 0.0	
PALK	comp=Z,11nm,0.8s,baz=116,slow=10,SNR=4.0		eP	P	23 46 15.3 0.0	
PALK	Pallekele	45.61 270	iP	P	23 46 14.0 -1.3	
PALK	comp=Z,174nm,1.8s					
PALK	SNR=8.1					
MOY	Mondy	46.20 338	eP	P	23 46 20.5 +1.0	
MOY			pmax	pmax		
TARA	comp=Z,148nm,1.8s					
TARA	Tarawa	46.72 98	PFAKE	LR	23 46 40.0 +16	
SKR	comp=Z,228nm,22.0s					
SKR	Severo-Kuril's	46.84 25	eP	P	23 46 18.2 -6.1	
SKR			eS	ScS	23 53 11.1 -0.9	
SKR			eSS	pmax	23 56 10.5 -5.1	
SKR	comp=Z,150nm,1.6s					
SKR	comp=Z,400nm,6.4s		pmax	pmax		
SKR	comp=Z,800nm,6.2s		MLR	MLR		
SKR	comp=Z,1um,18.0s		MLR	MLR		
SKR	comp=Z,1um,18.0s					
NGP	Nagpur	46.99 289	eP	P	23 46 25.6 -0.4	
NGP			IAMB	IAMB	23 46 28.1	
ARMA	Armidade	47.11 150	eP	P	23 46 26.2 -0.6	
ARMA			eP	P	23 46 28.2 +1.4	
HYB	Hyderabad	47.23 284	iP	P	23 46 26.0 -1.9	
HYB			ePcP	PcP	23 47 59.0 0.0	
HYB			eS	P	23 53 20.0 +1.3	
HYB	Hyderabad	47.23 284	eP	P	23 46 26.4 -1.5	
HYB			IAMB	IAMB	23 46 41.3	
WMQ	comp=Z,93nm,6.4s					
WMQ	Urumqi	47.42 322	P	P	23 46 30.8 +1.7	
WMQ			pP	pP	23 46 40.8 +0.5	
WMQ			PP	PP	23 48 19.8 -0.9	
WMQ			S	S	23 53 24.8 +4.0	
WMQ	comp=Z,360nm,0.9s					
WMQ	comp=Z,8um,14.1s		LR	LR		
WMQ	comp=Z,6um,14.1s		LR	LR		
WMQ	comp=Z,3um,15.3s		LR	LR		
BHPL	Bhopal	48.71 292	eP	P	23 46 36.5 -2.9	
BHPL			IAMB	IAMB	23 46 43.3	
HVS	comp=Z,63nm,5.7s					
HVS	Khovu-Aksy	48.79 333	iP	P	23 46 40.9 +1.3	
HVS			pmax	pmax		
TRD	comp=Z,43nm,1.1s					
TRD	Trivandrum	49.14 272	IAMS_20	IAMS_20	00 08 56.7	
PEA0B	Petropavlovsk-	49.30 24	eP	P	23 46 42.8 -0.5	
PETK	comp=Z,2um,11.7s					
PETK	Petropavlovsk-	49.30 24	eP	P	23 46 43.4 +0.1	
PETK	comp=Z,14nm,0.7s,baz=196,slow=4.5,SNR=8.1		PcP	PcP	23 48 05.6 -0.1	
PETK	Petropavlovsk-	49.30 24	eP	P	23 46 43.3 0.0	
PETK	comp=Z,7.8nm,0.7s,baz=202,slow=3.1,SNR=2.3		PcP	PcP	23 46 45.0 +1.7	
PETK	Petropavlovsk-	49.30 24	eP	P	23 48 05.6 -0.1	
PETK			PcP	PcP	23 46 41.1 -3.1	
DDI	Dehra Dun	49.36 301	eP	P	23 46 48.4	
DDI			IAMB	IAMB		
PET	comp=Z,18nm,3.5s					
PET	Petropavlovsk	49.63 25	eP	P	23 46 45.9 +0.1	
PET	comp=Z,79nm,1.1s		LR	LR		
PET	comp=Z,1um,21.0s					
PET	Petropavlovsk	49.63 25	eP	P	23 46 45.9 +0.1	
CAN	Canberra	50.11 156	eP	P	23 46 51.3 +1.6	
CAN	comp=Z,97nm,1.3s					
CAN	Canberra	50.11 156	eP	P	23 46 51.3 +1.6	
CAN			pmax	pmax		
SMLA	Simla	50.28 302	eP	P	23 46 48.3 -2.9	
SMLA			IAMB	IAMB	23 47 02.6	
DZM	comp=Z,312nm,9.2s					
DZM	Mont Dzumac	50.55 130	eP	P	23 46 53.3 -0.1	
DZM	comp=Z,102nm,1.2s		eS	S	23 47 06.2 +1.8	
DZM	comp=Z,1um,31.6s		eLR	LR	00 01 25.3	
DZM	comp=Z,3um,23.2s					
DZM	Mont Dzumac	50.55 130	P	P	23 46 51.9 -1.5	
DZM	comp=Z,5.8nm,0.6s,baz=250,slow=9.8,SNR=10					
DZM	Jazzart, Alta	50.91 328	iP	P	23 46 56.1 +0.3	
DZM			pmax	pmax		
DZM	comp=Z,87nm,1.8s					
ZSN	Zaisan	51.04 324	iP	P	23 46 56.7 +0.1	
ZSN	comp=Z,94nm,3.5s					
ZSN	DHARAMSHALA	51.26 303	iS	S	23 54 12.7 +1.2	
ZSN	DHRM		eP	P	23 46 56.9 -1.9	
ZSN	DHRM		IAMB	IAMB	23 47 03.6	
YAK	Yakutsk	51.57 2	eP	P	23 47 00.8 +0.5	
YAK			ePP	PP	23 47 10.7 -0.9	
YAK			eS	S	23 48 09.6	
YAK			eS	SS	23 54 19.4 +1.3	
YAK			eSS	pmax	23 56 44.8	
YAK	comp=Z,61nm,1.5s		pmax	pmax	23 57 50.9 -3.6	
YAK	comp=N,46nm,1.6s		pmax	pmax		
YAK	comp=E,14nm,1.7s		pmax	pmax		
YAK	comp=Z,278nm,3.5s		pmax	pmax		
YAK	comp=N,179nm,2.5s		smax	smax		
YAK	comp=N,721nm,6.2s		smax	smax		
YAK	comp=E,429nm,4.9s					
POO	Poona	51.73 285	eP	P	23 47 01.4 -0.9	
POO			IAMB	IAMB	23 47 14.8	
POO	comp=Z,776nm,12.6s		IAMS_20	IAMS_20	00 11 05.1	
POO	comp=Z,955nm,7.7s					
POO	Poona	51.73 285	iP	P	23 47 00.0 -2.3	
POO	comp=Z,30nm,1.0s					
MK31	Makanchi Array	52.22 322	eP	P	23 47 06.1 +0.7	
MKAR	Makanchi Array	52.22 322	eP	P	23 47 06.0 +0.5	
MKAR	comp=Z,23nm,0.8s					
MKAR	comp=Z,32nm,0.9s,baz=119,slow=8.1,SNR=86		PcP	PcP	23 48 17.1 +0.5	
MKAR	comp=Z,32nm,0.9s,baz=101,slow=5.6,SNR=51.1		P	P	23 47 06.0 +0.5	
MKAR	Makanchi Array	52.22 322	eP	P	23 48 17.1 +0.5	
MKAR	comp=Z,750nm,0.7s		PcP	PcP	23 47 06.0 +0.5	
MKAR	Makanchi Array	52.22 322	eP	P	23 48 17.1 +0.5	
MKAR			pmax	pmax	23 47 06.0 +0.5	
MKAR	comp=Z,125nm,0.7s		pmax	pmax		
MKAR			pmax	pmax		

MA2	Magadan	52.27 15	P	P	23 47 04.4 -1.1	
MA2	comp=Z,32nm,0.9s					
MA2	Magadan	52.27 15	eP	P	23 47 05.8 +0.3	
MA2	comp=Z,900nm,20.0s		LR	LR		
MA2	Magadan	52.27 15	P	P	23 47 04.4 -1.1	
MA2	comp=Z,15nm,0.8s		pmax	pmax		
SHLS	Shalkod	52.38 317	iP	P	23 47 05.1 -1.8	
SHLS	comp=Z,158nm,1.5s					
SHLS	Shalkod		eS	LR	23 54 27.5 -2.6	
SHLS	comp=Z,266nm,14.4s		LR	LR	00 11 17.4	
UZB	Uzynbulak	52.67 317	iP	P	23 47 09.3 +0.3	
UZB	comp=Z,157nm,1.7s					
UZB			iS	LR	23 54 35.4 +1.2	
UZB	comp=Z,663nm,14.8s		LR	LR	00 11 43.8	
KPKS	Kokpek	53.02 317	iP	P	23 47 11.7 +0.1	
KPKS	comp=Z,285nm,2.2s					
KPKS	Kokpek		LR	LR	00 11 54.2	
KPKS	comp=Z,690nm,14.9s					
SATY	Saty	53.05 317	iP	P	23 47 12.2 +0.4	
SATY	comp=Z,308nm,2.1s					
SATY	Saty		eS	LR	23 54 40.4 +1.1	
SATY	SADHY		LR	LR	00 11 52.1	
HMDM	Hanimaadho	53.07 271	eP	P	23 47 11.3 -0.9	
HMDM	comp=Z,1um,15.5s					
HMDM	Hanimaadho		eP	P	23 47 11.3 -0.9	
HMDM	comp=Z,664nm,1.6s					
KSH	Kashi	53.51 312	P	P	23 47 17.8 +2.5	
KSH			sP	sP	23 47 32.0 +0.8	
KSH			PP	PP	23 49 19.5 +3.4	
KSH			PcS	PcS	23 52 20.8 -0.2	
KSH			S	S	23 54 46.8 +1.1	
KSH	comp=Z,30nm,1.2s					
KSH	comp=Z,2um,5.1s		pmax	pmax		
KSH	comp=Z,4um,13.1s		LR	LR		
KSH	comp=Z,5um,14.1s		LR	LR		
KSH	comp=Z,6um,15.8s					
MDOK	Medeo	54.01 316	iP	P	23 47 19.3 +0.4	
MDOK	comp=Z,2um,2.2s		iS	LR	23 54 53.8 +1.4	
MDOK			LR	LR	00 13 03.5	
MDOK	comp=Z,2um,15.2s					
NIL	Nilore	54.07 304	PFAKE	LR	23 47 30.0 +11	
NIL	comp=Z,485nm,21.0s					
AAA	Alma-Ata	54.12 316	eP	P	23 47 20.0 +0.4	
AAA			eS	S	23 54 59.0 +5.3	
AAA	comp=Z,600nm,6.2s		pmax	pmax		
AAA	comp=N,400nm,7.8s		smax	smax		
AAA			MLR	MLR		
AAA	comp=Z,2um,15.0s					
ULHL	Ulaloh	54.23 315	P	P	23 47 20.8 +0.2	
ULHL	SNR=28					
ZAAO	Zalesovo Array	54.74 331	eP	P	23 47 23.5 -0.3	
ZALV	Zalesovo Beam	54.74 331	P	P	23 47 23.4 -0.4	
ZALV	comp=Z,15nm,0.7s,baz=118,slow=6.2,SNR=30					
ZALV	Zalesovo Beam	54.74 331	eP	P	23 47 23.1 -0.7	
ZALV						

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like AKN, LIT, VAM, BUD, LKR, MORC, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like JAVS, GRFO, GRFO, HAWA, ABTA, etc.

Table with columns for call sign, name, frequency, power, mode, and other details. Includes stations like SCIA, KSUA, KSU1, MORF, etc.

ISC Computed Locations for August 2012

