

ACKNOWLEDGEMENTS

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

MEMBERS

The National Science Foundation of the United States. (Grant No. EAR-1417970), 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
 National Centre for Seismology of the Ministry of Earth Sciences of India, India
 Institut 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
 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
 The Swiss Academy of Sciences, Switzerland
 GeoForschungsZentrum Potsdam, Germany
 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
 AFAD Disaster and Emergency Management Authority, Turkey
 National Earthquake Information Center, U.S. Geological Survey, U.S.A.
 National Defence Research Establishment, Sweden
 The Seismological Institute, National Observatory of Athens, Greece
 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
 Institute of Geophysics, National University of Mexico, Mexico
 The Hungarian Academy of Sciences, Hungary
 Council for Geoscience, South Africa
 The Icelandic Meteorological Office, Iceland
 Dublin Institute for Advanced Studies, Ireland
 Instituto Nacional de Prevencion Sismica (INPRES), Argentina
 Belgian Science Policy Office (BELSPO), 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
 Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy
 Institute of Earth Sciences, Academia Sinica, Chinese Taipei
 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 de Recherche en Astronomie, Astrophysique et Geophysique (CRAAG), Algeria
 The University of Melbourne, Australia
 Centre of Geophysical Monitoring (CGM) of the National Academy of Sciences of Belarus, Belarus
 National Institute of Polar Research (NIPR), Japan
 Department of Geophysics, University of Chile, Chile
 Institut Cartogràfic i Geològic de Catalunya (ICGC), Spain
 Universidade de São Paulo, Centro de Sismologia, Brazil
 Earth Observatory of Singapore (EOS), an autonomous Institute of Nanyang Technological University, Singapore

SPONSORS

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

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

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Addendum I

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

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

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

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

The following example illustrates the changes :-

September 2002

```

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C, South of Fiji Islands
Code Station Name Δ° AZ° Phase ID 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.

1 IDC 01 00:08:07.8:16.0,21.21S:176.86W,h0km,mb3.8/3, mb1 4.1/3,mb1mx3.7/18,mbtmp3.8/3, Error ellipse: s-maj=410.8km s-min=33.3km az=38.0, Fiji Islands region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
ASAR	Alice Springs	45.40	257	Op	P	00 16 27.8	-0.7
WRA	Warramunga Arr	45.56	262	P	P	00 16 30.4	+0.7
VNDA	Vanda	57.30	185	P	P	00 17 56.8	-0.1

1 IDC 01 00:12:38.4:9.3,6.08S:128.36E,h135km,101km,mb3.0/1, mb1 3.5/3,mb1mx3.1/26,mbtmp3.7/3,ML3.8/2, Error ellipse: s-maj=133.5km s-min=35.1km az=74.0, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
WRA	Warramunga Arr	14.96	158	Op	P	00 16 03.1	0.0
ASAR	Alice Springs	18.29	164	P	P	00 16 42.0	0.0
MKAR	Makanchi Array	66.57	327	P	P	00 23 14.0	0.0

1 IDC 01 00:13:48.3:1.8,2.06N:127.35E,h0km,mb3.7/4, mb1 3.9/4,mb1mx3.6/29,mbtmp3.7/4, Error ellipse: s-maj=180.5km s-min=15.6km az=66.0, Northern Molucca Sea

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
WRA	Warramunga Arr	22.92	163	P	P	00 18 54.0	-0.1
ASAR	Alice Springs	26.36	166	P	P	00 19 26.6	+0.3
STKA	Stephens Creek	36.36	159	P	P	00 20 54.1	-0.2
MKAR	Makanchi Array	59.27	326	P	P	00 23 51.7	-0.1

DRS 01 00:17:39.0:0.4,1.44N:48.05E,h10km,ML2.8/4
 ISC 01 00:17:37.9:2.9,41.44N:0.08:48.4E:0.1,h4km,13km,n16,
 @1807/29,3C-1D, Eastern Caucasus

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
KSMR	Kasumkent	0.29	305	Op	P	00 17 43.5	0.0
AKT	Akhty	0.54	274	iPg	Pg	00 17 48.6	+0.3
DRN	Derbent	0.59	352	ePg	Pn	00 17 52.5	-0.7
URKR	Urkarakh	0.94	320	ePg	Pb	00 17 57.2	+0.3
KMKR	Kumukh	1.22	305	ePg	Pb	00 18 00.0	-1.3
GNBR	Gunib	1.45	311	iPg	Pb	00 18 05.7	+0.1
LGD	Lagodexhi	1.69	284	P	Pn	00 18 08.9	+0.6
XNZR	Xunzakh	1.70	325	ePg	Pb	00 18 11.3	+0.8
BUJR	Buynaksk	1.70	325	ePg	Pb	00 18 11.3	+0.8
DDFL	Defodiliskartko	1.75	271	ePg	Pn	00 18 08.4	+0.6
UNCR	Unkukul	1.77	317	ePg	Pg	00 18 12.5	+0.7
UNCR	Unkukul	1.77	317	ePg	Pg	00 18 12.5	+0.7
KRNR	Karanay	1.79	321	ePg	Pg	00 18 13.0	+0.7
DBC	Dubki	1.98	323	iPg	Pb	00 18 14.9	+0.3
BTLR	Botlikh	2.06	307	ePg	Pb	00 18 15.9	0.0
DLMR	Dilyum	2.11	321	ePg	Pg	00 18 18.0	-0.4
TBLG	Delisi	2.79	277	P	Pn	00 18 25.7	+2.3

MEX 01 00:18:02.7:0.4,14.28N:92.33W,h50km,10km,MD3.5,
 Near coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
THIG	THIG	0.63	6	iPg	Pn	00 18 14.3	-1.3
CCIG	Comitan	2.00	5	ePg	Pn	00 18 33.3	-0.9
TGIG	TGIG	2.60	343	ePg	Pn	00 18 55.9	-2.3
CMIG	Matias Romero	3.73	319	iPg	Pn	00 19 11.1	-1.7
CMIG	Matias Romero	3.73	319	iPg	Pn	00 18 56.6	-1.2
CMIG	Matias Romero	3.73	319	iPg	Pn	00 19 38.1	-2.3

1 IDC 01 00:19:10.1:25.0,17.96S:178.15W,h555km,308km,
 mb3.0/6,mb1 3.2/6,mb1mx2.9/30,mbtmp4.0/6, Error
 ellipse: s-maj=93.4km s-min=85.5km az=21.0, Fiji
 Islands region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
CTA	Charters Tower	33.68	261	Op	P	00 25 06.5	+0.7
STKA	Stephens Creek	38.82	241	P	P	00 25 47.5	-0.4
WRA	Warramunga Arr	44.86	260	P	P	00 26 35.5	-0.3
ASAR	Alice Springs	45.01	254	P	P	00 26 36.5	-0.4
TXAR	Lajitas Array	85.82	50	P	P	00 30 51.4	-0.3
ILAR	Eielson Array	85.88	13	P	P	00 30 51.3	+0.3

RSNC 01 00:40:57.9:1.3,6.87N:73.13W,h148km,4km,ML3.6,
 Mw3.9,7C-2D, Northern California

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
GIRC	Giron, Santand	0.21	342	ePg	Pn	00 41 17.9	-0.3
BARC	Barichara	0.28	191	iPg	Pn	00 41 18.1	-0.4
BARC	Barranca, Sant	0.63	292	iPg	Pn	00 41 33.4	-0.8
BRRC	Barranca, Sant	0.63	292	iPg	Pn	00 41 19.7	0.0
PAMC	Pamplona, Colo	0.63	421	iPg	Pn	00 41 20.6	+0.2
GRMC	Gramalote, San	0.90	211	iPg	Pn	00 41 37.4	0.0
GRMC	Gramalote, San	0.90	211	iPg	Pn	00 41 23.3	+1.5
RUSC	La Rusia	0.97	177	iPg	Pn	00 41 22.2	-0.7
RUSC	La Rusia	0.97	177	iPg	Pn	00 41 40.5	-1.3
RUSC	La Rusia	0.97	177	iPg	Pn	00 41 43.0	-1.3
CAPV	Capacho	1.27	391	iPg	Pn	00 41 25.7	+0.4
PTBC	Puerto Berrío,	1.36	256	iPg	Pn	00 41 24.7	-1.3
PTBC	Puerto Berrío,	1.36	256	iPg	Pn	00 41 46.2	-1.1
PTBC	Puerto Berrío,	1.36	256	iPg	Pn	00 41 48.5	-1.1

OCAC	Ocana	1.37	352	ePg	Pn	00 41 25.8	-0.4
OCAC	Ocana	1.37	352	ePg	Pn	00 41 47.3	-0.5
TAMC	Tame, Arauca	1.40	108	iPg	Pn	00 41 26.4	+0.2
TAMC	Tame, Arauca	1.40	108	iPg	Pn	00 41 47.4	-0.5
YOPC	Yopal, Colombi	1.66	155	ePg	Pn	00 41 29.1	-0.1
YOPC	Yopal, Colombi	1.66	155	ePg	Pn	00 41 52.8	-0.4
ZARAGO	Zaragoza, Cauca	1.82	290	ePg	Pn	00 41 55.7	-0.5
SMLC	San Martín de	2.13	334	ePg	Pn	00 41 33.3	-0.6
NORC	Norcasia	2.17	233	ePg	Pn	00 41 33.9	-1.0
NORC	Norcasia	2.17	233	ePg	Pn	00 42 02.2	-1.3
CHIC	Chingaza	2.31	195	ePg	Pn	00 41 36.7	-0.3
CHIC	Chingaza	2.31	195	ePg	Pn	00 42 06.2	-0.9
CROSA	EL ROSAL, CUND	2.34	211	ePg	Pn	00 41 37.9	+0.5
ROSC	El Rosal	2.34	211	ePg	Pn	00 42 07.5	-0.1
HELIC	Santa Helena	2.48	254	ePg	Pn	00 41 39.4	+0.3
HELIC	Santa Helena	2.48	254	ePg	Pn	00 42 18.8	-0.1
SOVC	Socops	2.65	58	ePg	Pn	00 41 40.1	-0.8
GUYVC	Guyana, Caldas	2.76	234	ePg	Pn	00 41 43.3	+0.6
VILC	Villavicencio,	2.80	192	ePg	Pn	00 41 41.9	-1.0
RREF	El Recreo	2.95	229	ePg	Pn	00 41 45.9	+0.7
CODC	Agustin Codazz	3.06	354	ePg	Pn	00 41 45.0	-1.0
DBBC	Dabeiba	3.06	273	ePg	Pn	00 41 45.4	-0.7
SDV	Santo Domingo	3.18	51	ePg	Pn	00 41 47.5	-0.2
PRAC	Prado	3.59	209	ePg	Pn	00 41 52.0	-1.1
ELOV	Elorza	3.62	88	ePg	Pn	00 41 52.2	-1.0
ORTC	Ortega, Tolima	3.62	216	ePg	Pn	00 41 53.0	-0.3
PLM	San José del P	3.70	238	ePg	Pn	00 41 54.3	0.0
GUVC	San Jose del G	4.33	173	ePg	Pn	00 42 01.7	-0.8
DABV	Dabajuro	4.72	31	ePg	Pn	00 42 05.7	-1.8
MACC	Macarena, Meta	4.75	189	ePg	Pn	00 42 05.7	-2.4
MARP	Paez Belalcaza	4.90	215	ePg	Pn	00 42 09.9	-0.4
FLOC	Florencia	5.83	206	ePg	Pn	00 42 21.3	-1.1

DDA 01 00:54:00.8:41.12N:33.90E,h8km,2km,ML2.9
 ISCJB 01 00:54:01.6:0.5,41.11N:0.03:33.92E:0.03,h1km,5km,
 Error ellipse: s-maj=4.4km s-min=3.6km az=157.8
 ISK 01 00:54:01.9:41.06N:33.96E,h5km,ML2.7/14
 ISC 01 00:54:01.3:0.9,41.09N:0.03:33.91E:0.02,h6km,8km,
 n30,@88/38,Turkey

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
TOS	Tosya	0.10	123	PG	Pg	00 54 03.5	-0.2
ILGA	Ilgaz	0.15	254	iPg	Pg	00 54 04.7	+0.2
KAST	KASTAMONU	0.40	2	iPg	Pg	00 54 08.9	-0.1
KAGI	orum-Kargi	0.43	84	iPg	Pg	00 54 10.0	+0.2
CANT	Cankiri	0.53	204	PG	Pg	00 54 12.3	+0.7
ELDT	Eldivan	0.70	211	iPg	Pg	00 54 15.9	+1.3
BZK	Bozkurt	0.87	5	PG	Pb	00 54 19.4	+0.6
CORM	Corum	1.07	149	PG	Pg	00 54 22.2	-0.1
DELI	KIRIKKALE	1.09	179	iPg	Pg	00 54 22.3	0.0
DIKM	Dikmen	1.16	61	PN	Pn	00 54 23.8	-0.3
COAL	Corum-Alaca	1.17	135	iPg	Pn	00 54 24.0	-0.3
CMDR	Camlidere-ANKA	1.24	242	iPg	Pg	00 54 25.3	+0.2
SINO	SINOP_Merkez	1.34	46	iPg	Pb	00 54 26.6	-0.2
HAVZ	Havza	1.37	90	iPg	Pg	00 54 28.5	+0.9
BCAM	Yenicaga	1.42	259	iPg	Pb	00 54 28.3	0.0
LOD	Lodumlu	1.49	216	PN	Pg	00 54 30.2	+0.4
CDAG	Cicekdag	1.51	166	iPg	Pg	00 54 30.5	+0.2
KYV	Kavak	1.62	90	PN	Pg	00 54 30.9	-0.7
KIBS	BOLU	1.70	247	PN	Pg	00 54 34.3	+0.4
YOZ	Yozgat	1.81	143	PN	Pb	00 54 33.9	-1.0
YIGI	Dzce	1.86	267	iPg	Pb	00 54 35.3	-0.5
KIRS	Kirehir-Merke	1.96	180	iPg	Pb	00 54 36.6	-0.9
TKTK	Tokat	2.15	110	PN	Pn	00 54 38.6	+0.9
YAYX	Yaylik	2.15	182	PN	Pb	00 54 39.2	+1.3
SERE	Sereflikochisa	2.16	187	PN	Pb	00 54 39.8	-1.1
KULU	Kulu	2.16	199	PN	Pb	00 54 39.8	-1.1
SVSK	Karacayir	2.63	115	PN	Pb	00 54 44.5	+1.1
GULT	Gulveren	2.66	257	PN	Pb	00 54 46.2	+1.8
BNN	Bunyan	2.69	146	PN	Pb	00 54 46.9	+1.6
SRC	Saricakaya, Es	2.71	248	PN	Pb	00 54 48.4	-1.8

ISC 01 01:33:13.9:1.4,34.95S:179.43W,h0km,mb4.3/3,
 mb1 4.4/4,mb1mx4.0/25,mbtmp4.2/4,ML3.7/1, Error
 ellipse: s-maj=46.1km s-min=34.2km az=141.0
 ISCJB 01 01:33:17.5:2.9,35.0S:0.2:179.4W:0.5,h43km,mb4.2/3,
 Error ellipse: s-maj=69.3km s-min=13.4km az=29.1
 ISC 01 01:33:19.9:1.4,35.2S:0.2:179.6W:0.3,h43km,n8,
 @1807/29,4E of North Island

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
URZ							

Table with columns: HUIG, Huatulco, 2.35 279 iP, Pn, 02 28 20.1 -2.8, 02 28 58.4 -2.8. Includes sub-sections for GUC 01 02:32:06.0-0.5, 25,44S:69.21W, h109km, 3km, ML3.5, 1C-1D, Northern Chile and IDC 01 02:39:45.5-2.6, 6, 23S:130.12E, h0km, mb3.4/1.

Table with columns: WRA, Warramunga Arr, 14.23 164 Pn, Pn, 02 43 08.0 -0.6. Includes sub-sections for ASAR, Alice Springs, 17.71 169 P, P, 02 43 54.3 -0.5 and MKAR, Makanchi Array, 67.65 327 P, P, 02 50 44.4 -0.2.

Table with columns: SNET 01 03:22:54.1±1.1, 12.76N:87.99W, h70km, 6km, ML3.6, 2C, Near coast of Nicaragua. Includes sub-sections for CSGN, Cosiguina Volc, 0.84 62 iP, Pn, 02 23 07.5 +0.6 and UEEES, Universidad Ev, 1.54 308 eP, Pn, 02 23 20.1 +0.2.

ISCJB 01 03:41:06.4±0.6, 6.49N:0.02:71.72W, 0.02, h8km, 3km, mb3.6/2, MS3.0/1, Error ellipse: s-maj=4.4km s-min=3.1km az=34.1

IDC 01 03:41:07.0±0.8, 6.50N:71.78W, h0km, mb3.5/6, mb1.4/0.10, mb1mx3.8/3.1, mbtmp3.8/10, ML4.1/2, MS3.4/13, Ms1.3/4.13, ms1mx3.1/3.5, Error ellipse: s-maj=18.3km s-min=12.4km az=123.0

NEIC 01 03:41:07.2±0.5, 6.37N:71.58W, h10km, 6km, mb4.2/5, Error ellipse: s-maj=15.5km s-min=7.2km az=144.0

RSCN 01 03:41:09.3±1.5, 6.49N:71.81W, h4km, 4km, ML3.8, Mw4.0, ISC 01 03:41:09.3±1.5, 6.49N:71.81W, h0.00, h10km, 5km, n75, c1971/90, 6C-1D, Northern Colombia

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like TAMC, Tame, Arauca, 0.05 257 iP, Pn, 03 41 09.1 -0.6 and CAPV, Capacho, 1.52 338 iP, Pn, 03 41 35.2 +0.1.

Table with columns: PTBC, PUERTO BERRIO, 2.70 272 eP, Pn, 03 41 50.2 -1.0, 03 42 24.4 +0.5. Includes sub-sections for ROSC, El Rosal, 3.02 238 Pn, Pn, 03 41 57.7 +1.8 and ROSC, Santa Helena, 3.29 316 eP, Pn, 03 41 58.3 -0.9.

Table with columns: ORTC, Ortega, Tolima, 4.30 234 eP, Pn, 03 42 13.6 +0.3. Includes sub-sections for MACC, Macarena, Meta, 4.76 206 eP, Pn, 03 42 19.7 +0.2 and YOTC, Yotoco, Valle, 5.20 242 eP, Pn, 03 42 25.0 -0.7.

Table with columns: PCON, Cinco Dias, 6.19 229 eP, Pn, 03 42 41.1 +1.5. Includes sub-sections for PTLC, Puerto Leguiza, 6.24 232 eP, Pn, 03 42 53.8 +4.0 and PTLS, Isla Barro Colorado, 8.46 289 eP, Pn, 03 44 05.3 +0.1.

Table with columns: PTGA, Pitinga, 13.75 121 eP, Pn, 03 44 20.4 -2.5. Includes sub-sections for ATAH, Atahualpa, 15.04 206 LR, Pn, 03 45 04.9 -1.5 and TGUH, Tegucigalpa, UN, 17.04 298 eP, Pn, 03 45 04.9 -1.5.

Table with columns: MDP, Montañas de, 19.05 93 P, Pn, 03 45 33.0 +1.9. Includes sub-sections for APG, El Apazote, 20.25 296 LR, LR, 03 53 58.6 and LPAZ, La Paz, 22.87 171 eP, Pn, 03 46 12.9 +0.7.

Table with columns: CMIG, Matias Romero, 24.97 297 LR, LR, 03 56 53.2. Includes sub-sections for G001, Chusmia, 26.07 175 eP, P, 03 46 38.7 -3.4 and 152A, Waverly Hall, 28.75 337 eP, P, 03 47 07.5 +1.9.

Table with columns: BDFB, Brasil, 32.16 133 LR, LR, 04 01 34.1. Includes sub-sections for TXAR, Lajitas Array, 37.73 311 P, P, 03 48 23.2 -0.8 and PDAR, Pinedale Array, 49.19 323 P, P, 03 49 55.7 -0.7.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like PRYS, Parys, 0.53 81 Op, ISC, 03 46 44.1 -0.4 and WDLM, Western Deep L, 0.82 45 eP, Pn, 03 46 42.5 -0.4.

Table with columns: UPI, comp=Z, 1.9nm, 0.7s, AML, AML, 03 49 05.0. Includes sub-sections for KEIM, Keimoes, 5.41 250 eP, Pn, 03 47 48.2 +1.2 and MSNA, Messina, 5.50 33 iP, Pn, 03 47 47.7 -0.6.

MEX 01 03:50:07.4±0.7, 14.44N:92.93W, h23km, 71km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like THIG, 0.80 54 Op, ISC, 03 50 20.8 -1.8 and CCIG, Comitán, 1.99 23 iP, Pn, 03 50 36.5 -3.2.

MAN 01 04:09:41.8, 14.15N:120.72E, h20km, mb3.7, ML2.4, MS1.9, 2D, Luzon

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like TGY, Tagaytay City, 0.22 103 iP, Pn, 04 09 49.0 +1.7 and LUBP, Lubang, 0.62 228 eP, Pn, 04 09 56.7 +1.3.

IDC 01 04:12:37.2±3.3, 3.63S:137.17E, h0km, mb3.5/2, mb1.3/9.3, mb1mx3.6/18, mbtmp3.7/3, ML3.8/1, Error ellipse: s-maj=130.4km s-min=31.0km az=82.0

NEIC 01 04:12:41.3±2.3, 3.82S:138.90E, h84km, 18km, mb4.1/6, Error ellipse: s-maj=36.7km s-min=19.2km az=75.0

ISCJB 01 04:12:43.6±1.3, 4.02S:0.07:138.6E, 0.1, h100km, mb4.1/2, Error ellipse: s-maj=19.1km s-min=9.2km az=168.8

ISC 01 04:12:44.4±1.3, 4.09S:0.09:138.5E, 0.1, h100km, n14, c251/210, Irian Jaya

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like FAKI, Fak Fak, 6.34 280 Op, Pn, 04 14 16.9 +1.7 and COEN, Coen, 10.84 155 eP, Pn, 04 15 15.4 -1.2.

SOME 01 04:34:05.4, 39.43N:73.22E, h0km, KRNET 01 04:34:07.9±0.1, 39.07N:73.28E, mb3.5

NNC 01 04:34:09.5±3.2, 39.25N:73.72E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=25.3km s-min=14.2km az=171.0

ISC 01 04:34:16.2±1.9, 39.63N:0.10:73.70E, 0.04, h10km, n32, c241/49, 23C-15D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, h m s ISC. Includes stations like ARSB, Arslanbob, 1.78 342 iP, Pn, 04 34 47.4 -1.5 and ARK, Arkhit, 2.53 329 iP, Pn, 04 35 55.9 -1.6.

10d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOOM, CHMS, TKM2, etc.

ISCJ 01 04:37:39.2, 5.2, 38.06N, 92.56E, h0km, mb3.77, mb1 3.9/10, mb1 mx2.5/6.44, mb1 mp3.8/10, ML3.6/3, MS3.4/1, MS1 3.4/1, ms1 mx2.5/3.7, Error ellipse: s-maj=43.5km s-min=38.1km az=38.0

BUJ 01 04:37:45.1, 0.0, 38.60N, 92.37E, h8km, ML3.5/7, ISC 01 04:37:44.7, 1.2, 38.55N, 92.24E, 0.07, h10km, n16, 1168/20, mb3.67, 2C-2D, Qinghai

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GAT, WMQ, MK31, etc.

SJA 01 04:39:22.1, 0.7, 31.35S, 65.06W, h10km, 4km, ML3.2, MW3.7, Cordoba Province

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

2013 JUL

RTVC Cerro Valdivia 3.02 259 i P Pb 04 40 13.8 -2.2
RTLS Leoncito 3.65 262 i P Pb 04 40 23.4 -3.5

ISCJ 01 04:50:37.7, 0.5, 12.60N, 0.09, 143.6E, 0.1, h10km, mb4.0/5, MS3.4/4, Error ellipse: s-maj=18.1km s-min=7.6km az=38.4
IDC 01 04:50:38.4, 0.9, 12.60N, 143.78E, h0km, mb3.8/5, mb1 4.2/5, mb1 mx3.7/3.4, mb1 mp3.8/5, MS3.3/4, MS1 3.4/4, ms1 mx2.9/3.3, Error ellipse: s-maj=36.3km s-min=17.5km az=123.0

NEIC 01 04:50:43.2, 2.4, 12.58N, 143.82E, h34km, 3km, mb4.1/5, Error ellipse: s-maj=32.8km s-min=19.8km az=113.0
ISC 01 04:50:39.1, 0.8, 12.60N, 0.1, 143.7E, 0.1, h10km, n26, 1171/20, mb3.9/8, MS3.4/4, South of Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUMO, SARIN, PATS, H11S3, etc.

ISK 01 04:51:16.1, 34.94N, 162.81E, h22km, ML3.1/13, ISCJ 01 04:51:18.0, 1.1, 35.06N, 0.09, 26.77E, 0.05, h29km, 5km, Error ellipse: s-maj=15.4km s-min=5.4km az=167.2

THE 01 04:51:19.5, 35.20N, 26.69E, h9km, 2km, ML2.9/3, Error ellipse: s-maj=3.8km s-min=0.6km az=155.0
ISC 01 04:51:17.7, 1.6, 35.03N, 0.1, 26.78E, 0.04, h25km, 12km, n21, 1099/28, Crete

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

MAN 01 05:07:37.4, 10.27N, 125.18E, h29km, mb4.0, ML2.8, MS2.4, 1C, Leyte

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

ISCJ 01 05:10:32.8, 0.4, 38.13N, 0.03, 72.96E, 0.06, h150km, mb3.3/1, Error ellipse: s-maj=6.5km s-min=4.3km az=174.2

NNC 01 05:10:37.1, 2.4, 38.42N, 72.77E, h168km, 40km, mb3.0, mp4.0, Error ellipse: s-maj=23.5km s-min=15.3km az=173.0

ISC 01 05:10:34.0, 0.8, 38.21N, 0.05, 72.84E, 0.07, h150km, n23, 1222/27, 6C-6D, Tajikistan

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

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

UCR 01 05:48:15.8, 2.1, 10.23N, 85.49W, h30km, 7km, MW3.5, 4C-2D, Costa Rica

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

ISCJ 01 06:01:29.7, 0.6, 0.89S, 80.03, 80.49W, 0.05, h10km, Error ellipse: s-maj=7.4km s-min=3.8km az=12.8

IGQ 01 06:01:29.6, 0.6, 1.3, 8.3, 8.1W, h0km, ML4.3, ISC 01 06:01:29.6, 1.3, 0.89S, 80.04, 80.51W, 0.08, h10km, n77, 1172/27, Near coast of Ecuador

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

MAN 01 05:07:37.4, 10.27N, 125.18E, h29km, mb4.0, ML2.8, MS2.4, 1C, Leyte

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

UCR 01 06:53:58.0, 2.5, 9.65N, 83.85W, h0km, 15km, MW3.8, 9C-2D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LCR2, SJS, CVTR, etc.

Table with columns: Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Little Creek M, San Rafael Swe, KWP, etc.

IDC 01 08:45:32.5, 54.20N-87.55E, h10km, mb1 3.1/2, mb1mx2.9/33, mbmp3.1/2, ML2.3/2, Error ellipse: s-maj=33.0km s-min=19.9km az=39.0

KRAR 01 08:45:35.0-0.1, 54.16N-87.07E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22d4p + CD-ROM, 2014), Southwestern Siberia

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

BUI 01 08:47:14.9-0.0, 55.60S-28.50W, h10km, mB5.2/5, Ms5.1/6, Ms7.4/9.5

MOS 01 08:47:16.5, 1.0, 55.49S-28.51W, h25km, mB5.2/14, Error ellipse: s-maj=18.2km s-min=11.9km az=106.4

ISCJB 01 08:47:18.4, 0.2, 55.48S-0.05-28.57W, h10km, h45km, mB5.0/45, Ms4.6/22, Error ellipse: s-maj=7.8km s-min=5.1km az=94.9

NEIC 01 08:47:19.4, 1.9, 55.49S-28.56W, h35km, mB5.1/44, Error ellipse: s-maj=16.4km s-min=12.9km az=197.0

IDC 01 08:47:20.2, 0.2, 55.41S-28.43W, h44km, 2.2km, mb4.5/10, mb1 4.6/11, mb1mx4.3/18, mbmp4.8/11, ML5.4/1, MS4.5/17, Ms1 4.5/17, ms1mx4.4/21, Error ellipse: s-maj=20.8km s-min=15.0km az=52.0

GCMT 01 08:47:21.4, 0.2, 55.55S-0.01-28.61W, h21km, MW5.1/89, Moment Tensor Solution, s53.c78; s89.c146; Duration: 0 Moment tensor: Scale 10^19Nm; Mrr-3.3e-18; Mtt-0.87e-19; Best double couple; Mts0.00500x10^16; NP1-0.09.00000; 837.00000; 1-145.00000; NP2-e1188.00000; 837.00000; 1-145.00000; Principal axes: T 5.8200, P19.0000, Azm136.0000; N 0.3690, P19.0000; Azm237.0000; P -6.1900, P19.0000; Azm19.0000; nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 08:47:19.9-0.3, 55.52S-0.07-28.61W, h45km, n226, e1922/219, mB5.1/43, MS4.6/22, 8C-2D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like HOPE, VNA3, etc.

Main table with columns: Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like PLCA, SYO, CPUP, etc.

Main table with columns: Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like YOTC, GUYC, PLMC, etc.

SEY	comp=Z,3.7nm,0.9s,baz=210,slow=6.8,SNR=6.5	21.79	12	P	P	09 32 52.0	+1.1
HHC	comp=Z,6.0nm,0.8s	23.18	278	P	Pmax	09 33 05.0	-0.9
HHC	comp=Z,1.4nm,5.5s				Pmax		
HHC	comp=N,110nm,12.0s				LR		
HHC	comp=E,130nm,11.6s				LR		
SONAO	Songino Array	26.07	295	eP	P	09 33 31.7	-0.5
SONM	Songino Array	26.07	295	eP	P	09 33 31.7	-0.5
SONM	comp=E,3.2nm,0.6s,baz=76,slow=10,SNR=3.5				LR	09 44 23.6	
XAN	comp=E,9.9nm,19.0s,baz=79,slow=38				LR	09 44 23.6	
XAN	Xi'an	27.49	264	P	pP	09 33 44.9	-0.1
XAN					pPmax	09 33 51.3	-1.0
TLY	comp=Z,5.0nm,1.3s	28.01	304	eP	P	09 33 49.3	-0.1
TLY	Talaya	28.01	304	eP	P	09 33 49.2	-0.1
TLY					Pmax		
TLY	comp=Z,33nm,1.6s				MLR		
BILL	comp=Z,130nm,14.0s	29.06	18	eP	P	09 34 00.6	+2.1
BILL	Billibino				ePmax	09 34 55.9	
BILL					Pmax		
BILL	comp=Z,2.0nm,0.3s				MLR		
H11N2	WAKE ISLAND Hy 30.30 130 T				T	10 05 39.0	
H11N1	WAKE ISLAND Hy 30.31 130 T				T	10 05 49.6	
H11N3	WAKE ISLAND Hy 30.32 130 T				T	10 05 42.7	
TIXI	Tiksi	30.51	352	iP	P	09 34 14.1	+2.9
TIXI					Pmax		
H11S1	WAKE ISLAND Hy 31.16 131 T				T	10 06 49.8	
H11S2	WAKE ISLAND Hy 31.17 131 T				T	10 06 56.8	
H11S3	WAKE ISLAND Hy 31.18 131 T				T	10 06 56.8	
ZAA1	Zalesovo Array	39.37	308	eP	P	09 35 27.4	-0.3
ZAA0	Zalesovo Array	39.37	308	eP	P	09 35 27.5	-0.2
ZALV	Zalesovo Beam	39.37	308	eP	P	09 35 27.4	-0.3
ZALV	comp=Z,2.1nm,0.8s,baz=91,slow=7.7,SNR=19				LR	09 53 25.1	
NONG	comp=Z,46nm,18.4s,baz=246,slow=39	41.08	247	P	P	09 35 45.4	+3.2
NONG	comp=Z,0.2nm,1.1s				P		
MK32	Makanchi Array	42.39	298	eP	P	09 35 52.0	-0.6
MKAR	Makanchi Array	42.39	298	eP	P	09 35 52.0	-0.6
MKAR	comp=Z,6.4nm,0.9s,baz=80,slow=9.0,SNR=30				P	09 35 52.0	-0.6
MAKZ	Makanchi	42.59	298	eP	P	09 35 53.8	-0.4
MAKZ	comp=Z,1.1nm,1.0s				P	09 35 53.8	-0.4
MAKZ	Makanchi	42.59	298	eP	Pmax		
CMAT	Chiang Mai	43.50	252	P	P	09 36 07.9	+6.1
CHTO	Chiang Mai	43.50	252	P	P	09 36 02.3	+0.4
CHTO					Pmax		
KURK	Kurchatov	43.70	304	eP	P	09 36 02.4	-0.6
KURK	comp=Z,7.0nm,1.3s				Pmax		
KURK	Kurchatov	43.70	304	eP	Pmax	09 36 02.4	-0.6
CMAR	Chiang Mai Arr	43.74	251	P	P	09 36 03.3	-0.5
CMAR	comp=Z,0.7nm,0.3s,baz=36,slow=5.8,SNR=4.1				P	09 36 04.4	+0.6
COLA	College	44.49	35	iP	Pmax	09 36 09.4	+0.2
ILAR	Eielson Array	44.91	35	P	P	09 36 12.2	-0.3
ILB	Eielson Array	44.91	35	eP	P	09 36 11.3	-1.3
PDGK	Podgornoye	45.38	294	P	P	09 36 15.5	-1.2
PDGK	comp=Z,4.0nm,0.7s				Pmax		
KDJ	Kajisay	47.40	293	eP	P	09 36 32.6	-0.1
KDJ	comp=Z,5.2nm,0.8s				P	09 36 32.6	-0.1
KDJ	Kajisay	47.40	293	eP	Pmax	09 36 32.6	-0.1
BVAR	Borovyoye Array	47.99	309	P	P	09 36 36.6	-0.2
BVAR	comp=Z,4.0nm,0.6s,baz=77,slow=8.9,SNR=26				P	09 38 03.2	-0.7
BRVK	Borovyoye	48.04	309	eP	P	09 36 37.4	+0.2
BRVK	comp=Z,1.1nm,0.7s,baz=48,slow=2.2,SNR=3.5				P	09 36 36.8	-0.4
BRVK	Borovyoye	48.04	309	iP	Pmax	09 36 36.8	-0.4
OTUK	Ortayu	48.34	303	P	P	09 36 39.0	-0.7
OTUK	comp=Z,5.0nm,1.2s				Pmax		
AAK	Ala-Archa	49.03	295	iP	Pmax	09 36 44.7	-0.5
AAK	comp=Z,2.0nm,0.9s				Pmax		
KSH	Kashi	49.31	291	eP	P	09 36 52.8	+5.5
KSH	comp=Z,7.0nm,1.1s				Pmax		
INK	Inuvik	49.63	29	P	P	09 36 48.8	-0.3
INK	comp=Z,0.7nm,0.4s,baz=301,slow=12,SNR=11				P	09 36 48.8	-0.3
INK	Inuvik	49.63	29	eP	P	09 36 48.8	-0.3
INK	comp=Z,1.6nm,0.7s				P	09 36 48.8	-0.3
INK	Inuvik	49.63	29	eP	Pmax	09 36 48.8	-0.3
HYT	Haines Junction	49.88	39	eP	P	09 36 47.7	-3.6
HYT	comp=Z,2.0nm,0.7s				P	09 37 02.0	-1.6
KK31	Karatay Array	51.51	297	eP	P	09 37 02.1	-1.6
KK31	comp=Z,3.8nm,0.6s				Pmax	09 37 02.1	-1.6
KKAR	Karatay Array	51.51	297	eP	P	09 37 02.0	-1.7
KKAR	comp=Z,3.8nm,0.6s				Pmax	09 37 02.0	-1.7
SVE	Sverdlovsk	52.08	316	eP	Pmax	09 37 08.0	+0.3
SVE	comp=Z,1.7nm,1.0s				Pmax		
ARU	Arti	53.30	316	iP	P	09 37 16.4	-0.3
ARU	comp=Z,1.1nm,0.7s,baz=48,slow=2.2,SNR=3.5				P	09 38 20.4	
ARU	Arti				S	09 39 12.5	
ARU					S	09 44 45.9	+3.1
AKTO	Aktyubinsk	56.08	310	P	P	09 37 36.0	-0.9
AKTO	comp=Z,1.8nm,0.6s,baz=68,slow=12,SNR=7.7				LR	10 03 29.8	
KBL	Kabul	56.55	288	P	P	09 37 39.5	-1.3
KBL	comp=Z,7.3nm,20.8s,baz=177,slow=38				Pmax		
RES	Resolute Bay	57.61	15	P	P	09 37 45.4	-2.0
RES	comp=Z,5.6nm,1.0s,baz=337,slow=2.9,SNR=12				P	09 37 45.3	-2.0
RES	Resolute Bay	57.61	15	eP	P	09 37 45.3	-2.0
ARAO	ARCESS Array S	59.69	339	eP	P	09 38 01.0	-0.9
ARCES	ARCESS Array B	59.69	339	eP	P	09 38 01.0	-0.9
WR1	Warramunga Arr	62.07	189	eP	P	09 38 17.4	-1.1
WRA	Warramunga Arr	62.07	189	eP	P	09 38 17.4	-1.2
GEYT	Geitvoort	62.28	297	P	P	09 38 19.9	0.0
GEYT	comp=Z,4.1nm,0.9s,baz=164,slow=2.8,SNR=5.4				P	09 38 19.9	0.0
OUL	Oulu	62.48	335	P	P	09 38 19.2	-1.6
SUF	Sumaienein	63.97	333	P	P	09 38 28.9	-1.8
SUF	comp=Z,9.9nm,0.8s				Pmax		
OBN	Obninsk	64.68	322	iP	P	09 38 35.4	0.0

OBN	Obninsk	64.68	310	eP	S	09 41 00.6	
OBN	comp=Z,5.0nm,1.7s				eS	09 47 48.4	+3.8
OBN	comp=Z,5.0nm,0.7s				Pmax		
OBN	comp=Z,5.0nm,1.7s				MLR		
OBN	comp=Z,5.0nm,1.7s				MLR		
FAO	FINESSE Array S	64.86	332	eP	P	09 38 35.7	-0.8
FAO	FINESSE Array S	64.86	332	eP	P	09 38 35.7	-0.8
FAO	FINESSE Array B	64.86	332	eP	P	09 38 35.7	-0.8
SUMG	Summit	65.75	0	eP	P	09 38 42.4	-0.2
SUMG	comp=Z,5.4nm,1.1s				P	09 38 42.4	-0.2
SUMG	Summit	65.75	0	eP	Pmax	09 38 42.4	-0.2
ASAR	Alice Springs	65.79	189	P	P	09 38 42.4	-0.6
ASAR	comp=Z,2.8nm,0.8s,baz=0.4,slow=5.3,SNR=5.9				pP	09 39 02.0	+1.5
KIV	Kislovodsk	68.35	310	eP	Pmax	09 39 00.0	+0.8
KIV	comp=Z,1.6nm,0.7s,baz=2.0,slow=6.2,SNR=7.1				Pmax		
KBZ	Khabaz	68.36	310	P	P	09 38 56.9	-2.2
KBZ	comp=Z,2.4nm,0.7s,baz=334,slow=3.5,SNR=5.3				pP	09 39 19.2	+2.4
SH1	Shidzhatmaz	68.50	310	iP	P	09 39 05.0	+0.2
FFC	Flin Flon	69.12	34	iP	P	09 39 04.4	+0.8
HFS	Hagfors	69.94	335	LR	LR	10 12 26.5	
NB2	NORSAR Subarra	69.97	337	P	P	09 39 07.8	-1.0
NB2	comp=Z,2.1nm,0.8s,baz=36,slow=6.5				P	09 39 07.5	-1.3
NB2	NORSAR Subarra	69.97	337	P	Pmax	09 39 07.5	-1.3
NB20	NORSAR Array S	69.97	337	eP	P	09 39 08.0	-0.9
NOA	NORSAR Array B	69.97	337	P	P	09 39 08.0	-0.9
NOA	comp=Z,3.0nm,0.8s,baz=37,slow=6.1,SNR=13				LR	10 10 02.8	
NOA	comp=Z,2.6nm,2.1s,baz=235,slow=39				P	09 39 08.0	-0.9
NOA	NORSAR Array B	69.97	337	P	P	09 39 12.1	-1.3
BOZ	Bozeman (W)	70.64	46	eP	P	09 39 12.1	-1.3
BOZ	Bozeman (W)	70.64	46	eP	Pmax	09 39 12.1	-1.3
AKASG	Malin Array B	70.93	322	P	P	09 39 13.6	-1.2
AKASG	comp=Z,1.3nm,0.6s,baz=45,slow=6.2,SNR=11				pP	09 39 33.5	+0.7
NV01	Mina Array Sit	71.40	55	eP	P	09 39 19.6	+1.4
NVAR	Mina Array Bea	71.40	55	eP	P	09 39 19.6	+1.4
NVAR	comp=Z,0.9nm,0.7s,baz=299,slow=4.1,SNR=10				pP	09 39 36.7	-0.8
DUG	Dugway, Tooele	73.52	51	P	P	09 39 31.5	+0.8
DUG	comp=Z,1.0nm,0.7s,baz=291,slow=6.7,SNR=6.5				Pmax		
PD31	Pinedale Array	73.64	47	eP	P	09 39 28.9	-2.5
PDAR	Pinedale Array	73.64	47	P	P	09 39 31.9	+0.6
NIE	Niedzica	75.81	325	P	P	09 39 44.1	+0.5
NIE	comp=Z,3.0nm,0.9s				Pmax		
BR10	Breskvin Array S	76.22	311	eP	P	09 39 46.4	+0.2
BRTR	Breskvin Array B	76.22	311	P	P	09 39 46.4	+0.2
MORC	Moravsky Berou	76.69	327	P	P	09 39 49.0	+0.4
MORC	comp=Z,1.4nm,0.8s,baz=116,slow=2.3,SNR=4.8				Pmax		
CLL	Collim	77.24	330	iP	P	09 39 50.7	-0.8
CLL	comp=Z,4.0nm,2.1s				Pmax		
CLL	Collim	77.24	330	iP	P	09 39 50.7	-0.8
CLL	comp=Z,4.0nm,0.9s				MLv	09 46 00.0	
VRAN	Vranov	77.44	327	P	P	09 39 53.1	+0.4
VRAC	comp=Z,2.00nm,20.8s				Pmax		
PRU	Pruhonice	77.71	329	P			

1d 10h

Table with columns for station name, coordinates, and other parameters. Includes stations like FSSB, FDMO, ATFO, PIEI, CESI, MURB, PE3, ATPI, AVT, PARC, CPNG, MOMA, SMA1.

2013 JUL

Table with columns for station name, coordinates, and other parameters. Includes stations like SMA1, LNSS, TERO, VVLD, BDI, MAIM, LJU, PCP, RISI, DDJ, ISCB, ISC, GON, EDK, KAVV, ISCJB, GCMT, NEIC, H082, H081, H083, MAW, BOSA, SUR, ASAR, CMAR, WR1, WRA, STKA, WSAR, SNA, SNA, VNA, VNA, VNA, QSPA, VNA3, GEYT, H091, KKAR.

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Table with columns for station name, coordinates, and other parameters. Includes stations like MK32, MKAR, KBZ, BR10, BR11, SONA, SONM, SONM, BRVK, TOR, TOR, TOR, TOA1, KRSR, KRSR, ZALV, ZALV, ZAA1, DBIC, MJAR, USRK, ILAR, YKA, YKBS, NV01, NV01, NVAR, NVAR, NVAR, TXAR, MEX, THIG, THIG, THIG, TGIG, TGIG, CCGI, CCGI, HUIG, CMIG, CMIG, SJA, GUC, CO02, CO02, LSCH, LSCH, LSCH, GO04, GO04, PEL, PEL, PEL, RCDM, CLCH, CLCH, FCH, FCH, RTLS, AUSP, AUSP, LCO, LCO, RTCV, RTLL, AMOC, CFA, GO05, VCA, VCA, ACAN, ACAL, APPL, APPL, CYA, EDLM, EDLP, EDPA, DRKO, PTJ1, HDC, CVTR, SRV, EDSV, BRU2, JTS, CEDE, CUU, MESS, UCR, BRU2, BRU2, AZU, CVTR, PTJ1, EDPA, EDPA, DRKO, DRKO, ZANG, EDLM, BCIP, BCIP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UNIV. DE PANAM, DOMINICAL, HEREDIA, ARENAL, etc.

SJA 01 10:59:53.70.0, 3157S-6729W, h72km, 7km, ML2.5, MW3.6, San Juan Province

ANF 01 11:00:45.20.0, 65.26N-144.08W, h10km, ML3.9/5, Error ellipse: s-maj=12.7km s-min=5.7km az=150.0

NEIC 01 11:00:46.0.0, 65.30N-144.12W, h14km, ML3.5(AEIC), ML3.9(OTT), After AEIC.

PGC 01 11:00:46.20.0, 65.36N-144.02W, h5km, ML3.9/9, 182km east of Fairbanks, AK Northern Alaska

ISC 01 11:00:44.0.1, 2.6532N-103.14400W, 0.02, h5km, 10km, n79, 1576/102, Northern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PORCUPINE DOME, EAGLE, EIELSON ARRAY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TOOLIK LAKE, SML, IM3, PTPK, etc.

ISK 01 11:13:42.9, 39.66N-25.61E, h10km, ML2.6/8, ATH 01 11:13:42.6, 39.66N-25.62E, h27km, 1km, ML2.3/6, Error ellipse: s-maj=2.0km s-min=0.9km az=234.0

ISCJB 01 11:13:43.0, 39.67N-25.58E, 0.03, h8km, 4km, Error ellipse: s-maj=3.9km s-min=3.0km az=148.0

DDA 01 11:13:43.9, 39.60N-25.72E, h28km, 1km, ML2.6 THE 01 11:13:43.5, 39.67N-25.54E, h10km, ML2.3/9, Error ellipse: s-maj=0.8km s-min=0.4km az=98.0

ISC 01 11:13:43.0, 39.66N-25.60E, 0.02, h16km, 8km, n38, 1570/64, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LIMNOS ISLAND, SIGR, EZN, etc.

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

ISCJB 01 11:13:46.9, 0.4, 24.96N-0.08, 123.21E, 0.05, h133km, 5km, mb3.5/11, Error ellipse: s-maj=12.8km s-min=7.1km az=164.0

JMA 01 11:13:48.8, 0.2, 24.86N-123.23E, h126km, 3km, M3.5 IDC 01 11:13:48.2, 2.8, 25.01N-123.21E, h133km, 2km, mb3.4/12, mb1.3/14, mb1mx3.4/33, mbtmpp3.8/14, Error ellipse: s-maj=21.1km s-min=14.5km az=80.0

ISC 01 11:13:47.8, 0.7, 24.99N-109.12321E, 0.06, h128km, 7km, n26, 1587/39, mb3.5/11, Southwestern Ryukyu Islands

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

SJA 01 11:37:36.6, 0.7, 21.55S-69.89W, h28km, 3km, ML1.8, MW3.9, Northern Chile

PRE 01 11:42:17.9, 1.2, 24.35S-28.22E, h5km, ML2.3 EAF 01 11:42:24.5, 1.7, 23.43S-27.27E, h10km, MD3.2 BUL 01 11:42:26.0, 1.6, 23.43S-27.26E, h10km, MD3.2

ISC 01 11:42:17.5, 0.8, 24.31S-27.28E, 0.1, h10km, n15, 1569/24, South Africa

ISC 01 11:54:44.5, 5.4, 2.04S-139.78E, h0km, mb3.5/2, mb1.4/3, mb1mx3.5/18, mbtmpp3.7/3, ML4.1/1, Error ellipse: s-maj=213.5km s-min=28.0km az=87.0, Near north coast of Irian Jaya

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

ISCJB 01 12:05.3, 0.5, 17.36S-0.04, 70.65W, 0.06, h132km, 5km, mb4.3/2, Error ellipse: s-maj=9.8km s-min=5.7km az=9.6

NEIC 01 12:05.7, 1.9, 17.28S-70.67W, h122km, 7km, mb4.4/2, Error ellipse: s-maj=30.6km s-min=14.7km az=94.0

1d 12h

2013 JUL

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like IPOC Station P, Minye Minye, Pisagua, La Paz, Limon Verde, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Port Moresby, Alice Springs, San Martin, Cantantal, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Ala-Archa, Bishkek, Gaotai, Kurchatov Arra, etc.

1DC 01 12:14:16.0.1.1, 4.165S, 146.94E, h0km, mb3.6/4, mb1 3.9/6, mb1mx3.7/3, mbtmp3.7/6, ML3.2/1, MS2.7/2, Ms1 2.7/2, ms1mx2.5/23, Error ellipse: s-maj=45.7km

s-min=24.0km az=100.0, ISCJB 01 12:14:16.0.1.1, 6.2S, 0.1, 146.7E, 0.2, h10km, mb3.6/4, Error ellipse: s-maj=30.6km s-min=15.8km az=1.2

1DC 01 12:14:17.2.1.2, 6.20S, 0.08, 146.9E, 0.2, h10km, n8, o594.8, mb3.7/4, Eastern New Guinea region

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	h	m	s	ISC	Time	Res
SCM	Sheep Creek Mo	0.83	244	eP	Pb		12	51	44.8	-0.9		
SCM				eSg	Sb		12	51	56.6	+0.1		
DHY	Denali Highway	1.15	320	eP	Pb		12	51	49.1	-1.5		
VHT				eSg	Sb		12	52	03.9	-1.6		
DHY	TAPS TI Valdez	1.17	195	eP	Pb		12	51	49.5	-1.3		
MEK	Menista	1.19	51	eP	Pb		12	52	08.1	-0.7		
MENT				eSg	Sb		12	52	04.7	-1.9		
PS10	TAPS Pump St10	1.22	360	eP	Pb		12	51	50.5	-1.0		
PS10				eSg	Sb		12	52	06.3	-1.0		
JKP	Jack Peak	1.23	200	eP	Pb		12	51	50.1	-1.5		
SML	Swamill	1.28	253	eP	Pb		12	51	51.4	-1.0		
SML				eSg	Sb		12	52	01.5	+1.1		
GLI	Glacier Island	1.48	206	eP	Pb		12	51	54.3	-0.9		
KNK	Knik Glacier	1.51	239	eP	Pb		12	51	55.8	+0.3		
KNK				eSg	Sb		12	52	15.3	+0.8		
RIDD	Independent Ri	1.59	15	eP	Pb		12	51	56.8	+0.2		
RIDD				eSg	Sb		12	52	17.1	-0.4		
DOT	Dot Lake	1.64	27	eP	Pb		12	51	57.1	-0.1		
DOT				eSg	Sb		12	52	18.6	+1.0		
EYAK	Cordova Ski Ar	1.67	180	eP	Pb		12	51	58.3	+0.7		
PMR	Palmer	1.71	250	eP	Pb		12	51	58.6	+0.4		
SGAM	Sherman Glacie	1.74	171	eP	Pb		12	51	58.8	+0.2		
RND	Reindeer	1.86	311	eP	Pb		12	52	25.6	-0.4		
RND				eSg	Sb		12	52	02.2	+0.6		
HUR	Hurricane	1.95	295	eP	Pb		12	52	03.2	+0.7		
BALM	Baldy	2.01	124	eP	Pb		12	52	03.4	-1.3		
HMT	Hamilton	2.02	158	eP	Pb		12	52	01.4	-1.3		
BEAVER	Beaver Creek A	2.02	63	eP	Pb		12	52	01.6	+0.8		
KIC4	McKinley	2.21	318	eP	Pb		12	52	06.1	-0.8		
NICHA	Nichawak Mount	2.16	156	eP	Pb		12	52	06.6	-1.7		
RC01	Rabbit Creek A	2.21	341	eP	Pb		12	52	07.3	-1.7		
HDA	Harding Lake	2.27	247	P	Pb		12	52	07.0	+1.1		
HDA				S	Sn		12	52	35.7	+2.6		
PS08	TAPS Pump Str8	2.39	349	eP	Pb		12	52	07.3	-0.2		
SUA	Susitna One	2.48	255	eP	Pb		12	52	10.1	+1.2		
WRH	Wood River Hill	2.50	336	eP	Pb		12	52	10.1	-0.1		
BWN	Browne	2.59	321	eP	Pb		12	52	11.5	-4.0		
BWN				eP	Pb		12	52	11.5	-4.0		
ILAR	Eielson Array	2.62	349	eP	Pb		12	52	10.2	-0.5		
ILAR				Lg	Lg		12	52	46.8			
SKT	Skwentna	2.73	268	eP	Pb		12	52	14.7	+2.5		
SEW	Seward	2.77	222	eP	Pb		12	52	14.9	+2.2		
COLA	College	2.83	342	eP	Pb		12	52	13.9	+0.3		
TCOL	CIGO, UAF Yank	2.83	341	P	Pb		12	52	13.7	+0.1		
TCOL				Sb	Sb		12	52	56.6	+2.8		
POKR	baker-159			Sb	Sb		12	52	17.2	+1.1		
POKR	Poker Plat Res	3.01	346	P	Pb		12	52	17.2	+1.1		
POKR				Sb	Sb		12	53	00.8	+1.8		
BPAW	Bear Paw Mtn.	3.04	311	eP	Pb		12	52	18.1	+1.6		
EGAK	Eagle	3.30	37	eP	Pb		12	52	19.9	0.0		
PRP	Porcupine Dome	3.32	2	eP	Pb		12	52	20.4	-0.1		
CHUM	Lake Minchum	3.43	307	eP	Pb		12	52	27.0	-0.1		
DAWY	Dawson	3.44	54	eP	Pb		12	52	21.3	-0.6		
BRLK	Bradley Lake	3.50	228	eP	Pb		12	52	24.4	+1.5		
MLY	Manley	3.60	324	eP	Pb		12	52	25.4	+1.2		
BCPM	Bancas Point	3.74	125	eP	Pb		12	52	27.6	+1.5		
CNFM	China Foot	3.80	227	eP	Pb		12	52	29.1	+2.1		
PNL	Peninsula	4.02	127	eP	Pb		12	52	31.1	+1.2		
HTY	Haines Junctio	4.19	106	eP	Pb		12	52	34.0	+1.6		
TT01	Tatalina	4.80	283	eP	Pb		12	52	41.9	+1.2		
TT01				eP	Pb		12	52	41.9	+1.2		
SVW2	Sparrevohot	4.82	261	eP	Pb		12	52	42.7	+1.8		
INDI	Indian Mountain	5.16	33	eP	Pb		12	52	43.0	+1.0		
BM3	Burnt Mountain	5.25	5	eP	Pb		12	52	47.0	+0.1		
KDAK	Kodiak Island	5.61	221	eP	Pb		12	52	51.9	+0.1		
KDAK				Sn	Sn		12	53	53.8	-1.5		
KDAK				Sb	Sb		12	52	52.7	-0.7		
KDAK				Sb	Sb		12	52	52.7	-0.7		
EPYK	Eagle Plains	5.73	39	P	Pb		12	52	52.7	-0.7		
EPYK				Sb	Sb		12	54	22.2	+5.1		
SKAG	Skagway	5.80	114	eP	Pb		12	52	56.7	+2.4		
TOLK	Tootik Lake Re	6.65	348	P	Pb		12	53	07.4	+1.4		
TOLK				S	Sn		12	54	24.1	+3.1		
INK	Inuvik	7.97	35	Pn	Sn		12	53	24.0	-0.1		
INK				Lg	Lg		12	54	51.1	-2.2		
INK				Sb	Sb		12	55	36.6			
DLBC	Deane Lake	8.66	109	LR	LR		12	57	05.9			
PDAR	Pinedale Array	28.82	116	P	P		12	57	34.0	+7.7		
NVAR	Mina Array Be	29.14	132	P	P		12	57	35.7	+6.6		
TXAR	Lajitas Array	42.76	120	P	P		12	59	33.6	+8.3		
USRK	Ussuriysk Ar.	48.77	289	P	P		13	00	12.7	+0.2		
KSR5	Korea Array	56.02	287	P	P		13	01	07.2	+0.9		

MEX 01 13:17:12.6-0.8,15.84N-92.41W,h218km,10km,MD3.8, Mexico-Guatemala border region

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	h	m	s	ISC	Time	Res
THIG		0.94	172	iP	Pb		13	17	42.0	-1.9		
THIG				iS	Sb		13	18	05.1	-3.2		
TGIG		1.15	324	iP	Pb		13	17	44.0	-1.3		
TGIG				iS	Sb		13	18	08.1	-2.7		
CMIG	Matias Romero	2.68	298	eP	Pb		13	17	59.0	+0.6		
CMIG				iS	Sb		13	18	35.5	-2.3		
HUIG	Huatulco	3.56	269	eP	Pb		13	18	08.6	-1.2		

MAN 01 13:26:12.1,9.30N-123.22E,h6km,mb4.5,ML3.4,MS3.2, 3C,Negros

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	h	m	s	ISC	Time	Res
SNPH	Sibulan	0.05	261	iP	Pb		13	26	13.9	+0.4		
SNPH				iS	Sb		13	26	16.1	+1.5		
DCPH	Dipolog City	0.72	169	iP	Pb		13	26	26.1	+0.1		
DCPH				iS	Sb		13	26	40.2	-0.1		
TBP	Tagbilaran	0.75	59	iP	Pb		13	26	26.9	+0.4		
TBP				iS	Sb		13	26	39.9	-1.4		
LLP	Lapu-Lapu	1.25	361	eP	Pb		13	26	37.0	-1.9		
LLP				eSg	Sb		13	26	52.3	-0.1		
GUIM	Jimenez	1.46	335	eP	Pb		13	26	37.0	-1.9		
GUIM				eSg	Sb		13	26	59.6	+0.7		
IPIL	Ipil	1.63	203	eP	Pb		13	26	41.3	-0.1		
MSLP	Maasin	1.82	63	eP	Pb		13	26	44.6	+0.6		
MSLP				eSg	Sb		13	27	13.3	+2.7		

MAN 01 13:30:32.3,9.63N-123.06E,h33km,mb4.2,ML3.0,MS2.6, Negros

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	h	m	s	ISC	Time	Res
MRA	San Martin	1.31	211	iP	Pb		13	35	36.0	+0.1		
MRA				iS	Sb		13	35	55.1	+1.3		
MRA				IAML			13	35	55.9			
APLL	PUNTA DE LOS L	1.65	303	iP	Pb		13	35	42.2	-0.1		
APLL				IAML			13	36	05.5			
APLL	Cantantal	2.16	243	iS	Sb		13	36	05.5	+1.8		
ACAN				iS	Sb		13	36	18.9	+2.6		
ACLC	CERRO LA CRUZ	2.56	316	iP	Pb		13	36	55.9	-1.4		
ACLC				iS	Sb		13	36	29.0	-0.2		

MAN 01 13:55:58.0,1.0,9.47S-159.12E,h0

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

ISN 01 17:18:15.124.0,35'52N:45'97E, h0km,224km, ML3.3
ISCJB 01 17:18:19.0.0.5,35'44N:0.03:45'80E:0.05, h10km, Error
TEH 01 17:18:18.5,35'49N:45'89E, h10km, ML3.3
AZER 01 17:18:28.0.2.7,35'67N:46'37E, h10km, m3.2/7, Error
ISC 01 17:18:18.5.0.9,35'49N:0.03:45'88E:0.04, h10km, n26,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Dehrash, LIEN, Veis, MAHB, KCHF, etc.

IDC 01 17:20:05.3.2.5,6'00S:128'18E, h0km, mb3.3/1,
mb1 4.0/3, mb1mx3.5/20, mbtmp3.8/3, ML3.9/2, Error
ISCJB 01 17:20:21.8.0.7,5'80S:0.1:5'129E:0.1, h200km,
mb2.8/1, Error ellipse: s-maj=15.3km s-min=6.7km
az=174.8
DJA 01 17:20:23.9.0.7,6'S:6'13'E, h190km, 17km, M4.1/4,
mb3.7/1, MLV4.3/4
ISC 01 17:20:22.3.0.9,5'85S:0'07:130.0E:0.1, h200km, n6,

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

ISK 01 17:20:49.9,36'80N:27'68E, h13km,2km, ML1.8/3
DDA 01 17:20:50.8,36'83N:27'56E, h7km,3km, ML2.5
ISC 01 17:20:45.5.3.5,36'8N:0'2:27'85E:0.06, h27km,19km, n7,

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

ISCJB 01 17:26:11.8.0.7,47'59N:0'05:92'64W:0.08, h0km, Error
ellipse: s-maj=7.4km s-min=7.4km az=20.0
NEIC 01 17:26:13.6.0.8,47'50N:92'53W, h0km, MN2.5, Error
ellipse: s-maj=11.6km s-min=9.5km az=42.0, Suspected
Mining explosion.
NEIC 4 km [2 miles] N of Virginia.
IDC 01 17:26:15.0.3.8,47'50N:92'60W, h0km, mb1 2.6/1,
mb1mx2.6/55, mbtmp2.6/1, ML1.1/1, Error ellipse:
s-maj=7.4 km s-min=28.3km az=53.0
ISC 01 17:26:11.9.1.0,47'63N:0'05:92'46W:0.05, h0km, n16,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EYMN, E38A, AGMN, etc.

ROM 01 17:27:58.0.0.1,43'50AN:0'00:42'255E:0'005,
h7km, ML0.6/4, Error ellipse: s-maj=0.4km s-min=0.1km
az=210.0, Central Italy

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

GEN 01 17:28:34.4,44'19N:10'19E, h4km, MIO.8, Northern Italy

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

NEIC 01 17:28:56.9.1.7,39'45N:29'64W, h9km,4km, mb4.8/11/2,
Error ellipse: s-maj=18.2km s-min=13.8km az=189.0
ISCJB 01 17:28:56.7.0.1,39'31N:0'03:29'65W:0.02, h17km,
mb4.6/179, MS3.9/38, Error ellipse: s-maj=4.1km
s-min=1.8km az=16.3
IDC 01 17:28:56.0.6.3,39'61N:29'79W, h0km, mb4.2/34,
mb1 4.4/35, mb1mx4.2/70, mbtmp4.2/35, ML4.4/1, MS3.9/32,
MS1 3.9/32, ms1mx3.8/29, Error ellipse: s-maj=18.6km
s-min=10.6km az=177.0
SVSA 01 17:28:57.0.7.0,39'45N:29'82W, h10km, M3.9, ML4.1,
Error ellipse: s-maj=4.3km s-min=1.4km az=25.0
GCMT 01 17:28:57.9.0.3,39'46N:0'03:29'83W:0.02, h12km,
MW4.8/72, Moment Tensor Solution. s7,c19; s7c,2;
Duration: 0 Moment tensor: Scale 1016Nm; Mr-1.29c08;
Mw-0.16t.08; Mw-1.45t.06; Mw-0.59t.30; Mw-1.26t.06;
Mw-0.92t.22; Best double couple: M2.03700x1016
NP13.0x0.0000, 861.00000, -X.84.00000. NP2:
0.201.00000, 829.00000, -X.1.00000. Principal axes:
T 2.4590, Plg16.0000, Azm119.0000; N -0.8410,

Plg5.0000, Azm211.0000; P -1.6150, Plg73.0000,
Azm318.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function
MOS 01 17:28:57.0.1.0,39'62N:29'84W, h12km, mb4.8/74 Error
ellipse: s-maj=9.7km s-min=4.9km az=140.5
ISC 01 17:28:57.1.1.4,39'34N:0'06:29'58W:0.04, h9km,9km,
n451, s157/454, mb4.7/188, MS3.9/38, 17C-3D, Azores

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

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
APYP	POLP	Polilio Island	2.04 148	eS	Sn	17 43 50.1 0.0
POLP			eS	Pb	Pb	17 43 43.6 -0.2
			eS	Sb	Pb	17 44 12.4 +3.6
<i>TAP 01 18:07:33.0, 24°28'N; 121°39'E, h13km, ML2.7, B</i>						
<i>ISCJ/B 01 18:07:33.1±0.5, 24°26'N±0.02; 121°36'E±0.02, h4km±4km,</i>						
<i>Error ellipse: s-maj=3.9km s-min=2.5km az=35°</i>						
<i>JMA 01 18:07:33.1, 24°22'N; 121°31'E, h14km, 3km, M2.0</i>						
<i>ISC 01 18:07:33.0, 24°25'N; 121°33'E±0.02, h12km±8km,</i>						
<i>n78, c054/93, Taiwan</i>						
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
NANB	Nanao	0.24 316	P	Op	ISC	h m s ISC
						18 07 38.1 0.0
				S	Sg	18 07 41.6 0.0
				iP	Pg	18 07 38.1 -0.1
				S	Sg	18 07 41.8 0.0
				iP	Pg	18 07 39.6 +0.1
				eS	Pg	18 07 40.6 +0.6
				eS	Sb	18 07 46.4 -0.2
				eS	Pg	18 07 40.4 +0.3
				iP	Pg	18 07 40.2 -0.2
				S	Sg	18 07 44.9 -0.3
				eP	Pb	18 07 43.2 +1.0
				eP	Pg	18 07 41.4 +0.1
				eP	Pg	18 07 43.1 0.0
				P	Pg	18 07 43.1 +0.1
				eS	Sg	18 07 50.0 +0.1
				iP	Pg	18 07 43.3 0.0
				S	Sg	18 07 50.2 -0.2
				eS	Pg	18 07 43.7 +0.3
				eP	Pb	18 07 44.7 +0.3
				P	Pb	18 07 44.0 -0.6
				eS	Sg	18 07 51.2 +0.3
				eS	Sg	18 07 52.7 -0.2
				eP	Pg	18 07 45.3 +0.1
				eP	Pb	18 07 46.5 +0.5
				eP	Pb	18 07 46.1 -0.4
				eS	Pg	18 07 46.4 -0.4
				eS	Sg	18 07 54.8 -0.2
				eP	Pn	18 07 47.9 -0.9
				eP	Pb	18 07 47.9 +0.5
				eS	Sb	18 07 58.0 +0.8
				eP	Pb	18 07 47.4 -0.2
				eP	Pg	18 07 46.9 -0.2
				eS	Sg	18 07 56.3 -0.3
				eP	Pb	18 07 48.2 +0.3
				eP	Pb	18 07 48.3 +0.1
				eS	Pg	18 07 55.1 -1.4
				eP	Pb	18 07 49.5 +0.2
				eP	Pb	18 07 49.5 +0.1
				eS	Sg	18 07 59.9 0.0
				eP	Pb	18 07 49.7 +0.4
				eP	Pn	18 07 50.7 -0.5
				eP	Pb	18 07 50.6 +0.2
				P	Pn	18 07 51.4 -0.2
				eP	Pn	18 07 52.3 +0.4
				eP	Pn	18 07 52.0 +0.1
				eP	Pn	18 07 51.3 -0.6
				P	Pb	18 07 51.2 -0.2
				eS	Sg	18 08 06.0 +0.5
				eP	Pb	18 07 53.0 0.0
				eS	Sn	18 08 04.8 -0.8
				eP	Pn	18 07 51.9 -0.3
				eP	Pn	18 07 52.3 -0.1
				eP	Pn	18 07 53.0 +0.6
				eP	Pn	18 07 52.2 -0.3
				P	Pg	18 07 52.2 +0.3
				eP	Pn	18 07 53.1 +0.2
				eP	Pg	18 07 52.4 0.0
				P	Pb	18 07 52.2 -0.2
				eS	Sg	18 08 06.0 +0.5
				eP	Pb	18 07 53.0 0.0
				eP	Pn	18 07 53.1 0.0
				eP	Pb	18 07 52.0 -0.9
				eP	Pb	18 07 53.5 0.0
				eP	Pn	18 07 55.3 +1.5
				eP	Pn	18 07 53.9 +0.1
				eP	Pn	18 07 54.0 +0.1
				eP	Pg	18 07 55.2 +0.4
				eP	Pg	18 07 55.9 +0.1
				eP	Pg	18 07 55.5 -0.3
				eP	Pg	18 07 57.8 +1.7
				eP	Pg	18 07 57.5 0.0
				eP	Pg	18 07 59.1 +0.6
				eP	Pg	18 07 58.6 -0.4
				eP	Pb	18 07 58.5 -0.2
				eP	Pg	18 08 00.2 +0.4
				eP	Pb	18 08 01.2 +0.1
				eP	Pg	18 08 01.8 -0.5
				eP	Pb	18 08 01.3 -0.1

WTP	baz=210	1.57	231	eP	Pb	18 08 02.2 +0.1
TWG	Pioliang	1.63	209	eP	Pb	18 08 03.5 +0.5
IRIF	baz=195	1.64	87	P	Pn	18 08 02.3 +0.6
IRIF	Hsiuning	1.65	234	eP	Pb	18 08 03.7 +0.3
CHN1	Nanshi	1.67	231	eP	Pg	18 08 04.3 -0.8
SGST	Jiashian	1.70	227	eP	Pb	18 08 04.5 +0.2
JKRS	Kuro-shima	1.90	90	P	Pb	18 08 06.6 -1.0
JKRS	SSD	1.92	219	eP	Pb	18 08 06.8 -1.1
SCLT	Jiali	1.92	236	eP	Pb	18 08 06.6 -1.4
JJI	Ishigaki jima	2.02	86	P	Pn	18 08 07.4 +0.5
JJI	MASBT	2.02	216	eP	Sn	18 08 31.7 -0.4
MASBT	Mashibuluo	2.02	216	eP	Sn	18 08 08.1 +1.1
EAST	Anshuo	2.11	208	eP	Pb	18 08 10.2 -1.1

ISC 01 18:08:04.5±8.3, 23°36'N; 121°34'E, h0km, mb3.9/3, mb1 3.8/4, mb1mx3.5/28, mbmt3.8/4, ML3.0/1, Error ellipse: s-maj=155.4km s-min=71.2km az=143.0

JMA 01 18:08:10.9, 24°23'N; 121°31'E, h16km±2km, M3.4

TAP 01 18:08:10.9, 24°30'N; 121°31'E, h7km, ML3.9, C

ISCJ/B 01 18:08:11.5±0.3, 24°28'N±0.01; 121°37'E±0.02, h18km±3km, mb3.7/3, Error ellipse: s-maj=2.9km s-min=2.0km az=38.3

ISC 01 18:08:09.7±1.0, 24°24'N±0.02; 122°00'E±0.02, h9km±7km, n122, c0884/178, mb3.9/3, 16C-2D, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
NANB	Nanao	0.29	309	Op	ISC	h m s ISC
				S	Sg	18 08 15.8 +0.2
				iP	Pg	18 08 19.2 -0.4
				iP	Pg	18 08 15.8 +0.1
				S	Sg	18 08 19.4 -0.4
				Op	Pb	18 08 18.3 +0.6
				Op	Sb	18 08 23.9 +0.9
				Op	Pg	18 08 17.1 0.0
				S	Sg	18 08 23.2 +1.0
				iP	Pg	18 08 17.8 +0.4
				iS	Sg	18 08 22.5 -0.1
				eP	Pg	18 08 21.1 +0.5
				eP	Pb	18 08 20.2 +0.5
				P	Pg	18 08 19.1 +0.1
				iP	Pg	18 08 20.8 +0.2
				S	Sg	18 08 27.5 -0.5
				iP	Pg	18 08 21.0 +0.3
				S	Sg	18 08 27.9 -0.3
				P	Pg	18 08 21.2 +0.4
				S	Sg	18 08 28.9 +0.6
				P	Pg	18 08 21.4 +0.2
				eS	Sg	18 08 29.8 +0.7
				iP	Pg	18 08 21.4 -0.1
				eP	Pg	18 08 22.2 +0.3
				eS	Sg	18 08 30.6 +0.5
				iP	Pb	18 08 23.5 0.0
				eS	Sn	18 08 35.4 -0.6
				P	Pg	18 08 23.0 +0.1
				eS	Sb	18 08 33.9 +0.3
				iP	Pg	18 08 23.6 +0.1
				Sg	Sg	18 08 31.9 -0.9
				iP	Pg	18 08 23.8 0.0
				S	Sg	18 08 32.7 -0.6
				eP	Pg	18 08 24.5 +0.4
				S	Sg	18 08 33.5 -0.3
				P	Pb	18 08 25.3 +0.3
				S	Sb	18 08 35.3 -0.2
				eP	Pb	18 08 25.1 0.0
				P	Pb	18 08 25.3 0.0
				eS	Sn	18 08 35.6 -0.4
				eP	Pb	18 08 25.5 +0.2
				S	Pb	18 08 25.1 -0.4
				S	Sb	18 08 35.9 -0.3
				Op	Pb	18 08 25.9 -0.1
				P	Pb	18 08 26.9 +0.2
				S	Sg	18 08 37.0 -0.2
				P	Pb	18 08 26.8 +0.2
				S	Sg	18 08 36.9 -0.3
				P	Pb	18 08 27.0 +0.1
				S	Sg	18 08 36.3 -1.5
				P	Pn	18 08 28.9 +0.6
				eS	Sn	18 08 42.2 +1.0
				eP	Pg	18 08 26.9 -0.4
				eP	Pn	18 08 28.7 0.0
				P	Pb	18 08 28.0 +0.1
				S	Sn	18 08 41.5 -0.6
				P	Pn	18 08 29.6 +0.5
				eS	Sn	18 08 45.8 +3.1
				P	Pn	18 08 30.0 +0.9
				eS	Sn	18 08 44.0 +1.3
				eP	Pb	18 08 27.7 -0.8
				P	Pg	18 08 28.8 +0.5
				S	Sn	18 08 42.1 -1.3
				eP	Pb	18 08 29.5 -0.2
				eS	Sb	18 08 41.8 -0.2
				Op	Pn	18 08 29.6 -0.1
				S	Sb	18 08 41.5 -0.6
				eP	Pb	18 08 29.2 +0.5

NSTT	baz=291			S	Sg	18 08 42.8 +1.1
YM10	YM10	0.99	336	eP	Pb	18 08 29.6 -0.3
YM10	baz=339			eS	Sn	18 08 41.4 -0.9
YM05	YM05	1.00	337	P	Pn	18 08 29.6 -0.3
YM05	baz=339			S	Sg	18 08 42.7 +0.7
DPDB	Guoxing	1.00	258	Op	Pg	18 08 29.2 +0.2
DPDB	baz=253			S	Sn	18 08 43.2 -1.1
TWS1	Kuangyinshan	1.01	328	P	Pn	18 08 30.1 +0.1
YM08	YM08	1.01	338	P	Pg	18 08 29.7 +0.5
YM08	baz=341			eS	Sb	18 08 41.7 -1.2
YM03	YM03	1.02	336	P	Pn	18 08 30.3 0.0
NCU	National Centr	1.04	315	eP	Pn	18 08 30.8 +0.4
NCU	baz=315			eS	Sn	18 08 44.7 -0.3

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

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

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

NEIC 01 21:38:14.9:0.0, 56:24N:159:07W, h102km, ML3.2(AEIC), After AEIC, Alaska Peninsula

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

IDC 01 20:35:42.4:0.8, 12:72N:143:36E, h0km, mb3.8/10, mb1.4/0.10, mb1mx3.8/37, mbtmp3.8/10, MS3.2/5, Ms1.3/3.5, ms1mx2.9/40, Error ellipse: s-maj=32.1km s-min=19.7km az=98.0

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

IDC 01 21:29:50.0:3.2, 37:38N:72:01E, h0km, mb3.7/1, mb1.3/4.8, mb1mx3.2/64, mbtmp3.4/8, ML2.9/7, MS2.9/3, Ms1.2/9.3, ms1mx2.5/40, Error ellipse: s-maj=43.6km s-min=23.0km az=157.0

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

IDC 01 21:48:24.2:7.0, 6:42S:149:99E, h66km, 52km, mb3.7/3, mb1.4/0.4, mb1mx3.4/26, mbtmp4.1/4, ML2.4/1, MS3.7/5, Ms1.3/8.5, ms1mx3.0/28, Error ellipse: s-maj=99.6km s-min=53.7km az=124.0, New Britain region

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

IDC 01 21:06:10.6:0.7, 32:95N:92:76E, h0km, mb3.9/15, mb1.4/0.17, mb1mx3.9/46, mbtmp3.9/17, ML3.8/2, MS3.4/16, Ms1.3/4.16, ms1mx3.2/44, Error ellipse: s-maj=20.8km s-min=15.3km az=46.0

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

IDC 01 21:29:53.8:1.6, 37:67N:0:1x71:80E:0:08, h10km, n17, c:295/23, 9C-7D, Afghanistan-Tajikistan border region

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

NEIC 01 21:54:50.7:0.0, 54:66N:162:27W, h50km, ML3.0(AEIC), After AEIC, Alaska Peninsula

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

TIA	comp=Z,1um,17.7s	LR	LR						
TIA	comp=Z,430nm,13.3s	LR	LR						
TIA	comp=Z,320nm,12.9s	LR	LR						
KURBB	Kurchatov Arra 20.45 333 P	P	P	00 33 15.6	0.0				
KURK	Zalesovo Array 20.49 334 eP	P	P	00 33 16.2	+0.2				
KURK	Kurchatov 20.49 334 eP	P	P	00 33 16.1	+0.2				
KURK	comp=Z,2.0m,0.8s	Pmax	Pmax						
KURK	comp=Z,77nm,1.3s	Pmax	Pmax						
PHET	Kaeng Krachan 21.00 161 P	P	P	00 33 23.8	+2.1				
OTUK	Ortay 21.58 324 P	P	P	00 33 28.4	+0.5				
OTUK	comp=Z,16nm,0.8s	Pmax	Pmax						
ZAAO	Zalesovo Array 21.65 347 eP	P	P	00 33 27.4	-1.1				
ZALV	Zalesovo Beam 21.65 347 P	P	P	00 33 28.6	+0.1				
ZALV	comp=Z,2.6nm,0.6s,baz=156,slow=10,SNR=7.7	LR	LR	00 42 32.4					
ZALV	comp=Z,125nm,18.7s,baz=244,slow=38	LR	LR						
ZALV	Zalesovo Beam 21.65 347 eP	P	P	00 33 31.9	+3.4				
NJ2	Nanjing 22.04 85 eP	P	P	00 33 34.3	+1.4				
NJ2	comp=Z,25nm,0.7s	S	S	00 33 42.9	+3.8				
NJ2	comp=Z,760nm,8.5s	MLR	MLR	00 33 46.7	+1.0				
NJ2	comp=Z,970nm,10.0s	LR	LR	00 37 24.9	-1.1				
BVAR	Borovoye Array 25.61 328 P	P	P	00 34 07.9	+0.4				
BRVK	Borovoye 25.68 328 eP	P	P	00 34 09.3	+1.3				
HIA	Hailar 25.83 43 eP	P	P	00 34 09.4	-0.1				
HIA	comp=Z,15nm,0.9s	Pmax	Pmax						
PALK	Pallekele 27.95 206 LR	LR	LR	00 47 48.6					
GEYT	Alibeck 28.49 290 P	P	P	00 34 31.2	-2.4				
GEYT	comp=Z,1.1nm,0.6s,baz=89,slow=14,SNR=3.8	LR	LR	00 48 09.0					
TJN	Tajon 28.59 74 eP	P	P	00 34 34.5	+0.1				
BOD	Bodoibo 28.70 24 eP	P	P	00 34 35.1	0.0				
KS15	Wonju Array Si 28.96 71 eP	P	P	00 34 35.5	-2.2				
KSRS	Korea Array 28.99 71 P	P	P	00 34 35.5	-2.4				
KSRS	comp=Z,2.7nm,0.7s,baz=266,slow=9.0,SNR=6.9	LR	LR	00 46 32.9					
KSRS	comp=Z,229nm,18.3s,baz=272,slow=37	LR	LR						
KSRS	Korea Array 28.99 71 eP	P	P	00 34 38.5	+0.6				
AB31	Akbulak array 29.23 313 i P	P	P	00 34 39.9	0.0				
AB31	comp=Z,3.0nm,0.9s	Pmax	Pmax						
ABKAR	Akbulak array 29.23 313 eP	P	P	00 34 39.6	-0.3				
PSI	Prapat 30.63 168 LR	LR	LR	00 47 29.3					
TGY	Tagay City 31.84 120 LR	LR	LR	00 48 00.1					
JNU	Nakatsue 31.86 79 LR	LR	LR	00 47 29.1					
USRK	Sverdlovsk 32.38 327 eP	P	P	00 35 09.7	+2.1				
SVE	Kul'dur 33.13 49 P	P	P	00 35 12.2	-2.0				
KLR	comp=Z,3.9nm,0.6s,baz=270,slow=9.9,SNR=11	LR	LR	00 51 03.9					
KLR	comp=Z,60nm,19.2s,baz=298,slow=41	LR	LR	00 35 13.0	-1.3				
KLR	Kul'dur 33.13 49 eP	P	P	00 35 13.0	-1.3				
ARU	Arti 33.15 325 eP	P	P	00 35 14.5	+0.1				
ARU	Arti 33.15 325 P	P	P	00 35 14.1	-0.2				
ARU	comp=Z,4.4nm,0.8s	S	S	00 40 33.1	-0.4				
ARU	comp=Z,289nm,15.0s	MLR	MLR	00 42 32.7	+0.3				
KKM	Kota Kinabalu 34.62 136 P	P	P	00 35 29.0	+1.3				
MAJO	Matsushiro 37.26 72 eP	P	P	00 35 48.0	-2.1				
MAJO	Matsushiro 37.26 72 eP	P	P	00 35 48.0	-2.1				
MAT	Matsushiro 37.26 72 P	P	P	00 35 51.8	+1.7				
MJAR	Matsushiro Arr 37.27 72 P	P	P	00 35 48.0	-2.1				
MJAR	comp=Z,1.2nm,0.5s,baz=282,slow=8.8,SNR=6.3	LR	LR	00 52 56.0					
MJAR	comp=Z,120nm,18.8s,baz=270,slow=39	LR	LR						
MJAR	Matsu Arr-Jizo 37.30 72 eP	P	P	00 35 50.4	0.0				
PMBI	Palemang 37.54 160 P	P	P	00 35 52.2	-0.3				
HJH	Hachijo jima 2 39.17 77 LR	LR	LR	00 52 28.3					
AKH	Akhalkalaki 39.63 297 i P	P	P	00 36 12.5	+2.3				
AKH	Akhalkalaki 39.63 297 LR	LR	LR	00 36 12.4	+2.3				
KBZ	Khabaz 39.95 300 LR	LR	LR	00 55 34.3					
ASAJ	Asahikawa 39.98 59 P	P	P	00 36 12.1	-0.7				
KIV	Kislovodsk 40.09 301 eP	P	P	00 36 14.7	+0.9				
KIV	comp=Z,7.0nm,0.8s,baz=300,slow=14,SNR=3.6	Pmax	Pmax						
KIV	comp=Z,19nm,1.0s	MLR	MLR						
PRGR	Permogore 41.43 328 eP	P	P	00 36 23.6	-0.8				
TIXI	Tiksi 43.16 16 P	P	P	00 36 36.2	-2.2				
TIXI	comp=Z,1.9nm,0.3s,baz=139,slow=6.1,SNR=5.5	Pmax	Pmax	00 36 39.5	+1.1				
TIXI	Tiksi 43.16 16 eP	P	P	00 36 39.5	+1.1				
OBN	Obninsk 44.53 317 eP	P	P	00 36 50.1	+0.5				
OBN	comp=Z,6.0nm,1.2s	MLR	MLR	00 38 34.6					
OBN	comp=Z,25nm,0.7s	S	S	00 43 18.2	-6.7				
OBN	comp=Z,2.6nm,1.2s	Pmax	Pmax	00 46 46.7	-0.8				
OBN	comp=Z,290nm,19.0s	MLR	MLR						
MA2	Magadan 46.12 37 LR	LR	LR	00 58 14.3					
BRTR	Keskin Array B 47.29 296 P	P	P	00 37 09.8	-2.1				
BRTR	comp=Z,1.6nm,0.9s,baz=88,slow=7.1,SNR=4.4	LR	LR	01 00 04.2					
BRTR	comp=Z,59nm,19.1s,baz=90,slow=40	LR	LR						
BRTR	Keskin Array B 47.29 296 eP	P	P	00 37 14.6	+2.7				
LVZ	Lovozero 47.91 334 eP	P	P	00 37 18.6	+2.5				
LVZ	comp=Z,30nm,2.5s	Pmax	Pmax						
AKASG	Malin Array Be 48.92 311 P	P	P	00 37 23.6	-0.5				
AKASG	comp=Z,3.0nm,0.7s,baz=75,slow=6.8,SNR=8.3	LR	LR	01 00 05.4					
AKASG	comp=Z,163nm,21.5s,baz=85,slow=39	LR	LR						
AKASG	Malin Array Be 48.92 311 eP	P	P	00 37 23.9	-0.2				
PEA1	Petrovlovsk- 49.69 46 eP	P	P	00 37 29.3	-0.7				
PETK	Petrovlovsk- 49.69 46 P	P	P	00 37 29.3	-0.7				
PETK	comp=Z,5.2nm,0.7s,baz=278,slow=10,SNR=5.1	LR	LR	00 59 53.5					

VSU	Vasula 50.12 321 eP	P	P	00 37 34.0	+0.9				
VSU	comp=Z,23nm,1.0s	Pmax	Pmax						
FINES	FINES Array B 50.52 325 P	P	P	00 37 36.2	+0.1				
FINES	comp=Z,3.8nm,0.6s,baz=89,slow=8.8,SNR=25.5	LR	LR	01 01 07.9					
SUF	Sumaiens 50.55 327 P	P	P	00 37 38.6	+2.3				
SUF	comp=Z,298nm,18.8s,baz=78,slow=39	Pmax	Pmax						
SGF	Sodankyl 50.85 333 P	P	P	00 37 40.8	+2.3				
SGF	comp=Z,9.0nm,0.8s	Pmax	Pmax						
VRI	Vriocioia 51.17 305 i P	P	P	00 37 41.5	+0.1				
VRI	Vriocioia 51.17 305 P	P	P	00 37 44.8	+3.4				
VRI	comp=Z,13nm,0.9s	Pmax	Pmax						
PLOR	Plostina 51.23 305 i P	P	P	00 37 43.2	+1.4				
PLOR	Plostina 51.23 305 P	P	P	00 37 43.2	+1.4				
BIZ	Bicaz 51.42 306 i P	P	P	00 37 43.0	-0.2				
ARCES	ARCES Array B 51.52 336 P	P	P	00 37 42.8	-0.8				
ARCES	comp=Z,2.6nm,0.6s,baz=88,slow=6.2,SNR=20	PcP	PcP	00 38 57.7	+0.1				
ARCES	comp=Z,3.8nm,0.8s,baz=90,slow=2.4,SNR=7.8	LR	LR	01 01 34.1					
ARCES	comp=Z,149nm,18.3s,baz=120,slow=38	LR	LR						
MLR	Muntele Rosu 51.78 305 eP	P	P	00 37 42.5	-3.5				
MLR	Muntele Rosu 51.78 305 i P	P	P	00 37 46.6	+0.6				
MLR	Muntele Rosu 51.78 305 P	P	P	00 37 47.6	+1.6				
MLR	comp=Z,14nm,0.8s	Pmax	Pmax						
BURAR	Bucovina Array 51.90 307 i P	P	P	00 37 46.7	-0.2				
BURAR	Bucovina Array 51.90 307 P	P	P	00 37 46.7	-0.2				
DOPR	Dopca 52.08 305 i P	P	P	00 37 48.5	+0.4				
SUW	Suwalki 52.32 316 eP	P	P	00 37 50.8	+1.1				
LJV	L'vov 52.33 310 eP	P	P	00 37 52.2	+2.3				
VOIR	Voiron 52.41 305 i P	P	P	00 37 50.9	+0.2				
VOIR	Voiron 52.41 305 P	P	P	00 37 54.6	+3.9				
VOIR	comp=Z,5.0nm,0.8s	Pmax	Pmax						
ARCR	ARCALIA 52.57 307 i P	P	P	00 37 52.6	+0.8				
ARR	Arges 52.71 305 i P	P	P	00 37 53.6	+0.3				
KWP	Kalwaria Pacia 53.21 310 eP	P	P	00 37 56.8	+0.4				
KWP	Kalwaria Pacia 53.21 310 P	P	P	00 37 57.5	+1.1				
LOT	Lotru 53.29 305 i P	P	P	00 37 57.6	+0.4				
KOLS	Kolonick sedl 53.61 309 eP	P	P	00 38 00.3	+0.9				
KOLS	Kolonick sedl 53.61 309 P	P	P	00 38 00.3	+0.9				
BILL	Bilbino 53.69 27 i P	P	P	00 37 58.6	-1.1				
BILL	Bilbino 53.69 27 P	P	P	00 38 59.6					
BILL	comp=Z,9.0nm,1.2s	Pmax	Pmax	00 40 02.0					
DRGR	Drage 53.73 307 i P	P	P	00 38 01.1	+0.7				
DRGR	Drage 53.73 307 P	P	P	00 38 02.0	+1.6				
DRGR	comp=Z,12nm,1.1s	Pmax	Pmax						
DEV	Deva 53.79 306 P	P	P	00 38 04.6	+3.9				
DEV	comp=Z,12nm,1.1s	Pmax	Pmax						
SIRR	Siria 54.55 306 i P	P	P	00 38 06.9	+0.6				
BZS	Buzias 54.75 306 P	P	P	00 38 10.2	+2.6				
OJC	Ojcow 54.98 311 P	P	P	00 38 09.0	+0.4				
OJC	Ojcow 54.98 311 P	P	P	00 38 11.6	+2.5				
PSZ	Piszkesteto 55.37 309 i P	P	P	00 38 12.6	+0.3				
PSZ	Piszkesteto 55.37 309 P	P	P	00 38 12.5	+0.3				
VYHS	Vyhne 55.93 310 eP	P	P	00 38 16.6	+0.4				
VYHS	Vyhne 55.93 310 P	P	P	00 38 16.6	+0.4				
MORC	Moravsky Berou 56.47 311 i P	P	P	00 38 20.9	+0.8				
MORC	Moravsky Berou 56.47 311 P	P	P	00 38 20.9	+0.8				
MORC	Moravsky Berou 56.47 311 eP	P	P	00 38 20.4	+0.3				
JAVC	Velka Javorina 56.60 310 eP	P	P	00 38 22.3	+1.3				
KSP	Ksiaz 57.01 313 eP	P	P	00 38 26.1	+2.3				
DPC	Dobruska-Polom 57.10 312 eP	P	P	00 38 25.3	+0.7				
DPC	comp=Z,200nm,17.3s	MLR	MLR						
DPC	Dobruska-Polom 57.10 312 eP	P	P	00 38 25.3	+0.7				
DPC	Dobruska-Polom 57.10 312 P	P	P	00 38 27.4					
DPC	Dobruska-Polom 57.10 312 P	P	P	01 04 20.0					
DPC	comp=Z,200nm,17.3s	AMS	AMS						
OSTC	Ostas 57.12 312 eP	P	P	00 38 25.0	+0.				

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like CAF Calviac, RJF Les Rejaudoux, GRR Gorron, MTLF Montlieu, ASAR Alice Springs, etc.

MEX 02:00:35:15.8-0.7, 13°33'N-93°34'W, h15km=159km, MD3.7, Off coast of Chiapas

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

ISCJB 02:00:37:13.0-0.6, 7°57'S:0°05'-128°29'E:0.07, h142km, mb3.7/4, Error ellipse: s-maj=10.7km s-min=6.9km

ISC 02:00:37:14.5-1.7, 7°52'S:128°23'E, h138km, 17km, mb3.5/4, mb1 3/8, mb1mx3.5/35, mbtmp4.2/8, Error ellipse: s-maj=20.2km s-min=13.6km az=114.0

ISC 02:00:37:14.2-0.8, 7°54'S:128°38'E:0.10, h142km, n8, z=268/11, mb3.9/4, Banda Sea

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

MAN 02:01:09:50.0, 13°97'N:120°39'E, h65km, mb3.8, ML2.6, MS2.1, 2D, Mindoro

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

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IDC 02:01:16:07.8-1.2, 43°30'N:126°80'W, h0km, mb3.7/7, Mb1 3/8/15, mb1mx3.7/43, mbtmp3.6/15, ML3.5/7, MS3.4/17, Ms1 3/4/17, ms1mx3.2/39, Error ellipse: s-maj=23.2km s-min=10.4km az=48.0

NEIC 02:01:16:10.3-2.1, 43°33'N:126°89'W, h10km=1km, mb3.9/21, Error ellipse: s-maj=10.6km s-min=7.8km az=53.0

ANF 02:01:16:12.3-0.8, 43°38'N:126°55'W, h10km, ML3.4/20, Error ellipse: s-maj=8.3km s-min=5.8km az=73.0

ISC 02:01:16:11.1-3.4, 43°34'N:126°87'W:0.10, h17km, n15km, n136, r=138/134, mb4.0/14, MS3.3/11, Off east of Oregon

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like KEBM, J01E, I02D, K02D, I03D, I03D, L02E, etc.

Table with columns: Code, Station Name, Az, AZ, Phase, ID, Op, Time, Res, h, m, s, ISC. Includes stations like GLA Glamis, O20A White River Ci, WUAZ Wupatki, etc.

NEIC 02:01:28:24.8-1.9, 13°10'S:169°97'E, h222km, 5km, mb4.7/50, Error ellipse: s-maj=16.6km s-min=13.4km az=92.0

ISCJB 02:01:28:30.0-3.3, 13°19'S:169°08'E:0.05, h650km, mb4.5/66, Error ellipse: s-maj=6.6km s-min=4.3km az=7.0

ISC 02:01:28:25.7-2.0, 13°15'S:170°02'E, h634km, 26km, mb3.8/19, mb1 4.0/20, mb1mx3.8/26, mbtmp4.8/20, Error ellipse: s-maj=17.5km s-min=11.7km az=73.0

ISC 02:01:28:26.7-0.4, 13°19'S:169°59'E:0.07, h650km, n133, r134/140, mb4.4/66, 1h, Vanuatu Islands region

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

BFZ	36nm,0.5s	27.93 170	eP	P	01 33 26.1 -1.8
SNZO	Birch Farm 32nm,1.0s	28.32 172	eP	P	01 33 29.5 -1.7
THZ	South Karori 75m,1.2s	28.58 175	eP	P	01 33 33.5 +0.1
CMSA	Tophouse 30nm,1.2s	28.81 227	P	P	01 33 36.2 +0.6
CNB	Comet Meteorol baz=29,SNR=7	28.82 217	P	P	01 33 35.7 0.0
CAN	Canberra Magne baz=29,SNR=12	29.03 217	eP	P	01 33 38.5 +0.9
QIS	Canberra 20nm,0.8s	29.91 252	P	P	01 33 45.7 +0.5
MILA	Mount Isa baz=30,SNR=27	30.18 214	P	P	01 33 47.0 +0.3
RPZ	Mila baz=30,SNR=5.5	30.43 178	P	P	01 33 50.3 +1.0
MQZ	Rata Peak 25m,0.9s,baz=6.0,slow=6.5,SNR=3.1	30.49 176	eP	P	01 33 49.9 +0.1
STKA	McQueen's Vall 22nm,1.0s	31.96 230	P	P	01 34 03.6 +1.1
STKA	Stevens Creek 44nm,0.4s,baz=56,slow=6,SNR=155	31.96 230	eP	P	01 34 03.6 +1.1
TOO	Stevens Creek 11nm,0.9s	32.63 218	eP	P	01 34 09.4 +1.3
TOO	Toolangi 56nm,0.3s,SNR=56	32.63 218	P	P	01 34 09.4 +1.3
ARPS	Toolangi baz=35,SNR=56	34.41 222	P	P	01 34 23.6 +0.7
HTT	Mount Arapiles baz=35,SNR=8.9	34.68 229	P	P	01 34 25.3 +1.1
WB2	Hallett baz=35,SNR=22	34.72 254	eP	P	01 34 26.0 +0.7
WRAB	Warramunga Arr 44nm,0.8s	34.72 254	eP	P	01 34 25.3 -0.4
WR1	Tennant Creek 42nm,0.6s	34.73 254	eP	P	01 34 25.6 -0.2
WRA	Warramunga Arr 35nm,0.4s,baz=79,slow=9.2,SNR=156	34.73 254	eP	P	01 34 25.6 -0.2
WRA	Warramunga Arr 1.1nm,0.5s,baz=62,slow=22,SNR=3.1	35.48 209	eP	P	01 39 08.7 -3.9
TAU	Tasmania Unive 75m,1.3s	35.48 209	eP	P	01 34 30.9 -0.6
AS31	Alice Springs 32nm,1.0s	35.65 248	eP	P	01 34 33.5 +0.2
AS31	Alice Springs 56nm,0.5s,baz=75,slow=9.5,SNR=2.8	35.65 248	eP	P	01 36 43.6 +0.8
AS31	Alice Springs 35.65 248	eP	P	01 39 25.6 -0.6	
ASAR	Alice Springs 1.7nm,0.7s,baz=70,slow=5.3,SNR=2.8	35.65 248	eP	P	01 34 33.5 +0.2
ASAR	Alice Springs 4.9nm,0.7s,baz=77,slow=17,SNR=15	35.65 248	eP	P	01 39 24.3 -1.9
KDU	Katadu baz=37,SNR=19	36.50 266	P	P	01 34 40.5 +0.2
BBOO	Buckleboo 102nm,0.8s	36.57 232	eP	P	01 34 41.6 +1.0
BBOO	Buckleboo baz=37,SNR=127	36.57 232	P	P	01 34 41.6 +1.0
MTN	Manton Dam 43nm,0.4s	37.79 266	eP	P	01 34 50.9 +0.1
MTN	Manton Dam baz=38,SNR=3.4	37.79 266	eP	P	01 34 51.7 +0.9
SAR	Sarigan 24nm,0.9s	38.11 321	eP	P	01 34 52.6 -0.7
KNRA	Kunurra baz=40,SNR=12	39.92 261	P	P	01 35 07.8 +0.1
WRKA	Warakuma baz=41,SNR=128	40.92 247	P	P	01 35 16.3 +0.7
FORT	Forrest 40nm,0.6s	42.31 239	eP	P	01 35 27.0 +0.7
FORT	Forrest baz=43,SNR=29	42.31 239	eP	P	01 35 27.0 +0.7
KMBL	Kambalda baz=48,SNR=15	46.36 253	eP	P	01 36 06.8 +0.3
PSA00	Pilbara Seismi 39nm,0.4s	46.36 253	eP	P	01 36 12.8 +0.6
MEEK	Meekatharra baz=50,SNR=21	49.77 246	P	P	01 36 23.0 +0.5
KLBR	Kellerberrin baz=51,SNR=13	51.12 240	P	P	01 36 32.3 +0.5
NWAO	Narrogin (SRO) 25nm,0.6s	51.76 238	eP	P	01 36 36.2 -0.5
NWAO	Narrogin (SRO) baz=52,SNR=8.5	51.76 238	eP	P	01 36 37.1 +0.4
MORW	Morawa 16nm,0.9s	52.27 243	eP	P	01 36 40.2 -0.2
MORW	Morawa baz=53,SNR=7.7	52.27 243	eP	P	01 36 41.2 -0.8
GIRL	Giralia 32nm,1.4s	53.58 252	eP	P	01 36 51.8 +2.1
MJAR	Matsushiro Arr 57.82 330	P	P	01 37 18.5 0.0	
MAJO	Matsushiro 13nm,0.6s,baz=166,slow=7.6,SNR=32	57.82 330	eP	P	01 37 18.9 +0.4
MAT	Matsushiro 15nm,0.7s	57.82 330	eP	P	01 37 18.9 +0.4
MJB9	Matsu-Tunnel 15nm,0.7s	57.82 330	eP	P	01 37 18.7 +0.2
JNU	Nakatsuru 20nm,0.9s	59.26 322	eP	P	01 37 18.9 +0.4
SSLB	Suanguang 8.8nm,0.6s	60.37 307	eP	P	01 37 28.0 -0.2
KSR5	Korea Array 5.0nm,0.9s,baz=138,slow=6.7,SNR=9.3	64.00 324	P	P	01 37 35.5 -0.2
KS15	Wonju Array S1 18nm,1.4s	64.00 324	P	P	01 37 59.7 +1.1
VNDA	Vanda 1.1nm,0.7s,baz=357,slow=9.0,SNR=14	64.46 182	P	P	01 37 35.8 +0.2
SBA	Scott Base 3.5nm,0.8s	64.68 181	eP	P	01 38 01.9 +0.9
CASY	Casey 9.9nm,0.8s	66.93 202	eP	P	01 38 04.8 +2.5
PET	Petropavlovsk 50nm,1.1s	66.66 353	eP	P	01 38 11.2 +1.0
USA0B	Ussuriysk Arra 8.8nm,0.8s	67.75 331	eP	P	01 38 14.6 -0.2
USRK	Ussuriysk Arr 8.0nm,0.8s,baz=131,slow=5.6,SNR=19	66.75 331	eP	P	01 38 17.4 +1.8
PETK	Petropavlovsk- 66.87 352	P	P	01 38 16.6 +0.9	
PEAK	Petropavlovsk- 66.87 352	P	P	01 38 16.9 +0.7	
MDJ1	Mudanjiang 15nm,0.9s	68.20 330	eP	P	01 38 16.9 +0.7
SKNT	Sakolnakkorn 71.71 293	P	P	01 38 26.9 +1.5	
XAN	Xi'an 74.61 311	P	P	01 38 16.9 +0.7	
XAN	Xi'an comp=Z,12nm,0.9s		P	01 38 48.2 +2.5	
XAN	Xi'an comp=Z,12nm,0.9s		P	01 39 02.8 +1.0	
XAN	Xi'an comp=Z,12nm,0.9s		P	01 38 48.2 +2.5	
HHC	Hu-ho-hao-te comp=Z,150nm,4.3s	76.14 318	P	P	01 38 04.8 +2.5
HHC	Hu-ho-hao-te comp=Z,7.0nm,0.9s		P	01 39 15.6 +5.4	
HHC	Hu-ho-hao-te comp=Z,17nm,5.1s		P	01 38 04.8 +2.5	
HHC	Hu-ho-hao-te comp=N,100nm,14.1s		LR	01 38 04.8 +2.5	
HHC	Hu-ho-hao-te comp=E,100nm,13.7s		LR	01 38 04.8 +2.5	
CM31	Chiang Mai Arr comp=Z,0.9nm,0.9s	76.73 293	eP	P	01 38 17.4 +1.8
CMAR	Chiang Mai Arr comp=E,1.1nm,0.5s,baz=142,slow=3.6,SNR=7.7	76.73 293	eP	P	01 38 16.6 +0.9
QSPA	South Pole Qui comp=5.6nm,0.8s	76.83 180	eP	P	01 38 16.9 +0.7
KTH	Kantishna Hill comp=E,9.7nm,0.8s	82.21 17	eP	P	01 38 16.9 +0.7
RND	Reindeer 82.69 17	eP	P	01 38 26.9 +1.5	
SONAO	Songino Array 82.84 323	eP	P	01 39 50.1 +1.5	
SONM	Songino Array 82.84 323	eP	P	01 39 54.8 +3.6	
GTA	Gaotai 83.51 313	P	P	01 39 50.1 +1.5	
GTA	Gaotai comp=Z,10.0nm,0.9s		P	01 39 54.8 +3.6	
WRH	Wood River Hill 83.72 17	eP	P	01 39 50.1 +1.5	
CCB	Clear Creek Bu comp=Z,1.1nm,1.2s	83.93 17	eP	P	01 39 49.1 +0.3
HDA	Harding Lake comp=Z,7.4nm,0.8s	84.00 17	eP	P	01 39 49.6 -0.2
MAW	Mawson comp=Z,2.0nm,0.7s,baz=115,slow=7.3,SNR=10.0	84.27 202	eP	P	01 39 50.6 +0.3
MAW	Mawson comp=Z,1.6nm,0.9s	84.27 202	eP	P	01 39 52.7 +1.1
MAW	Mawson baz=84,SNR=7.1	84.27 202	eP	P	01 39 54.8 +3.6

ILAR	Eielson Array comp=Z,5.6nm,0.7s,baz=235,slow=5.6,SNR=47	84.29 17	P	P	01 39 51.0 -0.7
ILB	Eielson Array comp=Z,5.8nm,0.8s	84.29 17	eP	P	01 39 51.0 -0.7
NV01	Mina Array Bea 84.31 49	eP	P	01 39 53.8 +1.2	
NV01	Mina Array Bea comp=Z,0.8nm,0.7s,baz=51,slow=6.0,SNR=5.8	84.31 49	eP	P	01 39 53.8 +1.2
U15A	North Rim 88.14 52	eP	P	01 40 13.7 +2.8	
YKA	Yellowknife Arr 95.01 27	eP	P	01 40 40.8 -0.6	
YKBS	Yellowknife Arr 95.01 27	eP	P	01 40 40.8 -0.6	
ZALV	Zalesovo Beam 97.70 324	P	P	01 40 53.0 -0.7	
ZAA1	Zalesovo Array 97.70 324	eP	P	01 40 53.0 -0.7	
MK32	Makanchi Array 97.90 316	eP	P	01 40 53.0 -0.7	
MKAR	Makanchi Array 97.90 316	eP	P	01 40 53.0 -0.7	
AR40	ARCES Array S1 119.40 346	eP	P	01 46 03.6 +0.1	
ARCS	ARCES Array S1 119.40 346	eP	P	01 46 03.6 +0.1	
FLAO	FINES Array S 125.23 340	eP	P	01 46 15.1 -0.2	
FINES	FINES Array S 125.23 340	eP	P	01 46 15.1 -0.2	
NB2	NORSAR Subarray28 129.78 347	eP	P	01 46 03.6 +0.1	
NB200	NORSAR Array S 129.78 347	eP	P	01 46 03.6 +0.1	
NOA	NORSAR Array S 129.78 347	eP	P	01 46 03.6 +0.1	
AKASO	Malin Array Be 130.88 328	eP	P	01 48 50.2 +3.2	
GEC2	GERESS Array S 139.39 336	eP	P	01 46 24.4 -0.1	
GERES	GERESS Array S 139.39 336	eP	P	01 48 49.9 +2.9	
WTTA	Waltenberg 141.48 336	eP	P	01 46 24.4 -0.1	
RETA	Reutte 141.64 337	eP	P	01 48 49.9 +2.9	
FETA	Feichten 142.04 337	eP	P	01 48 54.0 +2.1	
DAVA	Damueln 142.13 338	eP	P	01 49 20.2 -0.1	
FUORN	Otenpass-Fuorn 142.55 337	eP	P	01 49 20.2 -0.1	
TUE	Stuetta 143.02 338	eP	P	01 46 41.8 -4.0	
CLF	Chabon-Forst 143.73 346	eP	P	01 46 43.0 -2.8	
SENIN	Lac Senin/Sane 144.84 340	eP	P	01 46 57.0 +0.6	
TIP	Timpandone 144.92 322	eP	P	01 46 54.4 -1.7	
BNI	Bardonecchia 145.20 339	eP	P	01 46 54.9 -1.6	
SSB	Saint Sauveur 145.70 342	eP	P	01 46 57.7 -1.1	
ESDC	Somsec Array 150.05 340	eP	P	01 47 26.8 -0.9	

DSN 02:01:33.38:0.1,4.28:78N:57:27E,h10km,ML4.6/10,Error ellipse: s-maj=20.1km s-min=11.9km az=92.0
MOS 02:01:33:41.9:1,4.28:01N:57:18E,h14km,mb4.6/48,Error ellipse: s-maj=8.4km s-min=4.7km az=122.7
IDC 02:01:33:41.7:0.6,28:21N:57:29E,h0km,mb4.1/21,mb1.4,2.29,mb1mx1.4,1.52,mbmp4.1/29,ML3.8/6,MS2.9/4,lb1.2,9/4,ms1mx2.6/31,Error ellipse: s-maj=14.2km s-min=12.5km az=2.0
ISCJB 02:01:33:42.5:0.2,28:27N:02:57:31E,0:03,h10km,mb4.3/90,Error ellipse: s-maj=4.1km s-min=3.0km az=6.1
THR 02:01:33:42.7:28:07N:57:46E,h15km,ML4.1
NEIC 02:01:33:42.9:0.0,28:29N:57:61E,h31km,mb4.3/29,ML4.1(THR),MN4.3(TEH),After TEH
TEH 02:01:33:43.2:28:31N:57:45E,h10km,ML4.2
ISC 02:01:33:43.0:0.4,28:30N:03:57:39E,0:04,h10km,n242,e252/247,mb4.3/90,15C-1Z,Southern Iran

Code	Station Name	Δ	Phase ID	Op	ISC	Time Res	ISC
KHNJ	Kahnnoj	0.44 142	eP	Pg	01 33 51.2 -0.6		
NIAN	Nian	0.89 214	eP	Pg	01 33 59.6 -0.5		
NIAN	Nian	0.89 214	eP	Pg	01 34 00.2 +0.1		
GENO	Geno	1.40 231	eP	Pg	01 34 10.3 +0.8		
GENO	Geno	1.40 231	eP	Pg	01 34 10.3 +0.8		
GENO	Geno	1.40 231	eP	Pg	01 34 10.3 +0.8		
NGRK	Negar Kerman	1.46 337	eP	Pn	01 34 08.9 -0.9		
NGRK	Negar Kerman	1.46 337	IAMB	IAMB	01 34 11.5		
NGRK	Cheshme madani	1.56 5	eP	Pn	01 34 09.0 -0.9		
CHMN	Cheshme madani	1.56 5	eP	Pn	01 34 11.0 -0.2		
CHMN	Cheshme madani	1.56 5	eP	Pn	01 34 11.2 0.0		
KRBR	Kerman	1.77 342	eP	AML	01 34 44.3		
KRBR	Kerman	1.77 342	eP	AML	01 34 44.3		
TVKB	TV Kerman	1.77 342	eP	Pn	01 34 14.4 +0.3		
KHGB	Koh Gabri	2.22 339	eP	Pn	01 34 21.8 +1.6		
KHGB	Koh Gabri	2.22 339	eP	IAMB	01 34 30.3		
SHME	Shamm	2.50 207	eP	Pn	01 34 24.7 +0.9		
SHME	Shamm	2.50 207	S	Sb	01 35 00.4 +1.4		
MSFE	Esma-Masafi	3.13 201	I/P	Pn	01 34 25.0 +1.1		
MSFE	Esma-Masafi	3.13 201	eP	Pn	01 34 34.9 +2.4		
MDH	Madha	3.13 198	I/P	Pn	01 34 35.8 +3.3		
MDH	Madha	3.13 198	eP	Pn	01 34 32.6 0.0		
UMQ	Umm Al-Quwinn	3.16 210	eP	Pn	01 34 33.5 +0.9		
UMQ	Umm Al-Quwinn	3.16 210	eP	Pn	01 34 34.6 +1.7		
ZHFS	Zahedan	3.24 65	eP	Pn	01 34 36.0 +3.1		
ZHFS	Zahedan	3.24 65	eP	Pn	01 34 35.9 +1.7		
ZHFS	Zahedan	3.24 65	eP	Pn	01 34 35.9 +1.7		
UOSS	Minazif	3.50 198	eP	Pn	01 34 38.1 +0.5		
UOSS	Minazif	3.50 198	eP	Pn	01 35 16.7 -2.4		
UOSS	Minazif	3.50 198	eP	Pn	01 34 37.9 +0.3		
UOSS	Minazif	3.50 198	eP	Pn	01 34 37.9 +0.3		
UOSS	Minazif	3.50 198	eP	Pn	01 34 38.1 +0.5		
HATD	Hatta, Dubai	3.64 198	eP	Pn	01 34 39.8 +0.4		
HAZ	Nazwa, Dubai	3.64 206	I/P	Pn	01 34 40.1 +0.6		
HAZ	Nazwa, Dubai	3.64 206	I/P	Pn	01 34 39.6 +0.1		
NAZ	Nazwa, Dubai	3.64 206	eP	Pn	01 34 43.1 +3.6		
IBAF	Bafgh	3.65 335	eP	Pn	01 34 43.4 +3.7		
ASHO	Ashiyah	3.79 199	I/P	Pn	01 34 42.3 +0.7		
ASHO	Ashiyah	3.79 199					

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Vitosha, Zalesovo, and various international stations.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Givet, ARCA, and various international stations.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TWE, NNSB, and various international stations.

SVSA 02 01:46:41.8-0.9, 37.742N-24.66W, h15km, MD3.6, ML2.2, Error ellipse: s-maj=8.3km s-min=2.2km az=82.0, Azores Islands region

JMA 02 01:52:29.9-0.1, 24.25N:121.94E, h0km Error ellipse: s-maj=3.1km s-min=2.1km az=141.3 TAP 02 01:52:30.5, 24.31N:121.91E, h8km, ML2.8, C Error ellipse: s-maj=8.1km s-min=4.0km az=105.7, h10km, 8km, n50, c078/89, Taiwan

IDC 02 02:25:57.8-731.0, 44.66N:63.89E, h0km, Error ellipse: s-maj=300.4km s-min=136.9km az=154.0, Western Kazakhstan

SOME 02 02:36:58.2, 41.25N:72.82E, h5km Error ellipse: s-maj=8.1km s-min=4.7km az=171.6 Error ellipse: s-maj=9.5km s-min=4.3km az=166.0 Error ellipse: s-maj=9.5km s-min=4.3km az=166.0 Error ellipse: s-maj=9.5km s-min=4.3km az=166.0

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ARSB and various international stations.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, ARLS Aral, MRKS Merke, etc.

DRS 02 02:55:13.9-0.0, 43.61N-45.14E, h43km
NORS 02 02:55:14.8-0.0, 43.01N-46.07E, h53km, MPVA3.4, 4D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GROG Groznyy, BTLR Botlikh, DBC Dubki, etc.

ISCJB 02 03:05:55.8-0.0, 16.815N-02.6871W-0.03, h282km, 9km, Error ellipse: s-maj=25.8km s-min=3.6km az=63
NEIC 02 03:05:56.3-0.0, 16.80N-68.70W, h85km, MD3.4(RSPR), After RSPR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PCDR Punta Cana, DR12 Loma Pena Alta, SDD Santo Domingo, etc.

Table with columns: OBIP Obisapdo Ponce, OBIP Obisapdo Ponce, OBIP Obisapdo Ponce, etc. Includes stations like EMPR Esperanza - Ma, SC01 Santiago de lo, etc.

ATH 02 03:15:37.9, 37.56N-26.91E, h23km, 1km, ML3.5/7, Error ellipse: s-maj=4.8km s-min=1.7km az=105.0
ISCJB 02 03:15:38.9-0.4, 37.54N-02.2685E-0.03, h11km, 3km, Error ellipse: s-maj=3.9km s-min=2.6km az=162.1

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

AYDN Tasoluk 0.81 81 i P Pn 03 15 55.5 -0.7
URLA Izmir 0.84 346 PG Sg Pp 03 15 55.2 -0.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BLCB Balcova, AYDIB Zeytinkoy-Aydi, NISR Nisiro, etc.

AMGA Amorgos Island 1.05 228 P Pp 03 15 58.4 -0.6
AMGA Amorgos Island 1.05 228 P Pp 03 16 17.4 +0.4

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

Table with columns: AYVA Ayvalik, AYVA Ayvalik, AYVA Ayvalik, etc. Includes stations like SGR SGR, SGR SGR, SGR SGR, etc.

SJA 02 03:17:48.3-0.6, 31.60S-68.746W, h103km, 104km, ML2.5, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like APPL PUNTA DE LOS L, APPL PUNTA DE LOS L, etc.

NNC 02 03:22:56.9-1.9, 38.75N-70.52E, h0km, mb3.5, mpv3.1, 9C-1D, Error ellipse: s-maj=13.7km s-min=10.4km az=17.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KK31 Karatay Array, KK31 Karatay Array, etc.

IDC 02 03:26:16.5-8.0, 30.97S-179.97W, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.6/22, mbtmp3.7/2, Error ellipse: s-maj=328.6km s-min=62.4km az=157.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES Finnes Array B, etc.

IDC 02 03:28:48.3-1.0, 56.95S-24.97W, h0km, mb4.4/4, mb1 4.5/4, mb1mx4.0/24, mbtmp4.4/4, MS3.4/2, Ms1 3.4/2, ms1mx3.0/14, Error ellipse: s-maj=35.7km s-min=28.3km az=61.0
ISCJB 02 03:28:50.0-0.7, 57.0S-0.1x2.47W-0.3, h22km, mb4.3/5, MS3.4/2, Error ellipse: s-maj=28.9km s-min=10.9km az=156.9

NEIC 02 03:28:56.1-0.4, 56.92S-24.74W, h53km, 10km, mb4.6/4, Error ellipse: s-maj=36.3km s-min=20.2km az=71.0
ISC 02 03:28:51.6-0.8, 57.0S-0.1x2.50W-0.2, h22km, n24, r105/18, mb4.2/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, etc.

IDC 02 03:30:53.6-0.7, 22.10S-114.56W, h0km, mb4.0/7, mb1 4.3/7, mb1mx4.1/24, mbtmp4.0/7, MS3.6/7, Ms1 3.6/7, ms1mx3.4/15, Error ellipse: s-maj=32.5km s-min=23.3km az=74.0

ISCJB 02 03:30:54.9-0.4, 22.14S-0.07x114.3W-0.1, h10km, mb4.6/75, MS3.6/9, Error ellipse: s-maj=17.0km s-min=9.1km az=169.0
NEIC 02 03:30:56.6-1.9, 22.25S-114.23W, h11km, 3km, mb4.8/75, Error ellipse: s-maj=22.6km s-min=18.7km az=93.0
ISC 02 03:30:56.3-0.5, 22.1S-0.1x114.4W-0.1, h10km, n116, r152/106, mb4.7/75, MS3.6/9, Error ellipse: s-maj=22.6km s-min=18.7km az=93.0

Table with columns: PRZ, comp, value, and status. Includes entries like Przheval'sk, Munding, Kajisay, Uzynbulak, Kambalda, etc.

Table with columns: KUU, comp, value, and status. Includes entries like Kurty, Taldyqorghan, Sogindy, Kambalda, etc.

Table with columns: BTLS, comp, value, and status. Includes entries like Alice Springs, Zakamensk, Forrest, etc.

MJAR	Matsushiro Arr	49.60 45 P	P	07 45 54.8 +0.3
MJAR	comp=Z,38nm,0.9s,baz=231,slow=7.6,SNR=40			
MJAR	ScP			07 51 07.5 -2.4
MJAR	comp=Z,2.0nm,0.8s,baz=225,slow=3.2,SNR=3.2			08 06 04.0
COEN	Coen	49.80 113 eP	P	07 45 54.9 -1.4
COEN	comp=Z,473nm,1.8s			
COEN	Coen	49.80 113 P	P	07 45 54.8 -1.4
COEN	comp=Z,21um,21.0s			
ZAAO	Zalesovo Array	50.04 351 eP	P	07 45 56.9 -0.5
ZAAO	comp=Z,216nm,1.1s			
ZALV	Zalesovo Beam	50.04 351 P	P	07 45 56.3 -1.1
ZALV	comp=Z,16nm,0.5s,baz=174,slow=6.6,SNR=36			
ZALV	LR			08 08 54.1
ZALV	comp=Z,8um,21.9s,baz=166,slow=36			
ZALV	PKPPKP	P'P'df	P	08 16 55.3 +5.3
ZALV	comp=Z,0.8nm,0.4s,baz=336,slow=3.2,SNR=3.5			
USA0B	Ussuriysk Arr	50.15 33 eP	P	07 45 58.2 -0.3
USA0B	comp=Z,63nm,0.9s			
USRK	Ussuriysk Ar	50.15 33 P	P	07 45 59.0 +0.5
USRK	comp=Z,35nm,0.9s,baz=231,slow=6.1,SNR=25			
USRK	LR			08 09 42.9
USRK	comp=Z,24um,18.0s,baz=215,slow=39			
USRK	Ussuriysk Ar	50.15 33 P	P	07 45 59.0 +0.5
MANU	Manus Island	51.18 96 eP	P	07 46 05.8 -1.0
MANU	comp=Z,372nm,1.5s			
MANU	LR			
DAMY	Dhamar	52.27 285 eP	P	07 46 16.1 +0.9
DAMY	comp=Z,688nm,1.2s			
DAMY	LR			
PMG	Port Moresby	52.31 106 P	P	07 46 13.8 -1.4
PMG	comp=Z,1.60nm,0.8s,baz=298,slow=5.7			
PMG	Port Moresby	52.31 106 eP	P	07 46 14.0 -1.2
PMG	comp=Z,200nm,0.8s			
PMG	comp=Z,1.3um,20.0s			
PMG	Port Moresby	52.31 106c iP	P	07 46 13.9 -1.2
PMG	comp=Z,724nm,0.9s			
PMG	MLR			
RAYN	Ar Rayn	52.63 296 eP	P	07 46 17.8 +0.3
RAYN	comp=Z,281nm,0.9s			
RAYN	LR			
RAYN	Ar Rayn	52.63 296 iP	P	07 46 17.7 +0.3
RAYN	SNR=172			
RAYN	Ar Rayn	52.63 296 P	P	07 46 17.9 +0.4
BVAR	Borovoye Array	52.77 340 P	P	07 46 16.4 -1.6
BVAR	comp=Z,1.60nm,0.7s,baz=145,slow=8.1,SNR=72			
BRVK	Borovoye	52.84 340 eP	P	07 46 17.2 -1.2
BRVK	comp=Z,84nm,1.0s			
BRVK	LR			
BRVK	Borovoye	52.84 340c iP	P	07 46 17.3 -1.2
BRVK	comp=Z,81nm,1.2s			
BRVK	MLR			
BBOO	Buckleboo	52.84 138 eP	P	07 46 17.8 -0.9
BBOO	comp=Z,128nm,1.1s			
BBOO	LR			
BBOO	Buckleboo	52.84 138 P	P	07 46 17.7 -1.1
BBOO	baz=53,SNR=23			
TEY	Ternei	53.24 351 eP	P	07 46 24.2 +2.7
TEY	comp=Z,40nm,1.3s			
TEY	pmx			
TEY	comp=N,80nm,0.7s			
KLR	Kul'dur	53.45 28 P	P	07 46 23.5 +0.5
KLR	comp=N,101nm,1.0s,baz=254,slow=8.1,SNR=43			
KLR	Kul'dur	53.45 28c iP	P	07 46 23.5 +0.5
KLR	comp=Z,302nm,1.3s			
ATD	Arta Tunnel	53.56 281 eP	P	07 46 25.5 +1.0
ATD	comp=Z,248nm,1.1s			
ATD	LR			
OPO	Ambohadratempo	53.87 243 LR	LR	08 06 00.7
OPO	comp=Z,6um,18.6s,baz=146,slow=32			
ABPO	Ambohianpanom	53.99 243 eP	P	07 46 28.1 +0.4
ABPO	comp=Z,152nm,1.0s			
ABPO	LR			
ABPO	Ambohianpanom	53.99 243 eP	P	07 46 28.1 +0.4
ABPO	comp=Z,152nm,1.0s			
ABPO	MLR			
AB31	Akbulak array	54.17 331 iP	P	07 46 26.8 -1.5
AB31	comp=Z,66nm,1.1s			
ABKAR	Akbulak array	54.17 331 eP	P	07 46 26.8 -1.4
ABKAR	comp=Z,133nm,1.1s			
CTA	Charters Tower	54.65 119 P	P	07 46 30.9 -1.4
CTA	comp=Z,98nm,0.9s,baz=289,slow=9.3,SNR=32			
CTAO	Charters Tower	54.65 119 eP	P	07 46 31.4 -0.9
CTAO	comp=Z,163nm,1.0s			
CTAO	LR			
CTAO	Charters Tower	54.65 119 eP	P	07 46 31.4 -0.9
CTAO	comp=Z,163nm,1.0s			
CTAO	MLR			
BOD	Bodaibo	54.72 11 eP	P	07 46 32.8 +0.7
BOD	comp=Z,205nm,1.8s			
ZEA	Zeya	54.93 22 eS	S	07 46 34.8 +1.1
ZEA	comp=N,71nm,1.0s			
ZEA	pmx			
ZEA	comp=E,59nm,1.0s			
ZEA	pmx			
ZEA	comp=Z,130nm,1.0s			
ZEA	pmx			
ZEA	comp=Z,2um,7.0s			
ZEA	pmx			
ZEA	comp=N,800nm,6.0s			
ZEA	pmx			
ZEA	comp=E,400nm,6.0s			
ZEA	pmx			
ZEA	comp=N,400nm,9.0s			
ZEA	pmx			
ZEA	comp=Z,2um,9.0s			
ZEA	smax			
ZEA	comp=Z,5um,10.0s			
ZEA	smax			
HTT	Hallett	55.14 137 P	P	07 46 35.8 +0.1
HTT	baz=53,SNR=16			
ERM	Erimo	55.62 41 eP	P	07 46 38.3 -0.6
ERM	comp=E,92nm,1.0s			
ERM	LR			
ERM	Erimo	55.62 41j eP	P	07 46 38.1 -0.8
ERM	comp=Z,9um,19.0s			
ERM	pmx			
ERM	comp=Z,107nm,1.2s			
ERM	MLR			
AKTO	Aktyubinsk	55.89 331 P	P	07 46 38.9 -1.8
AKTO	comp=Z,14nm,0.6s,baz=125,slow=7.9,SNR=40			
STKA	Stephens Creek	56.17 134 P	P	07 46 41.3 -1.7
STKA	comp=Z,57nm,0.7s,baz=308,slow=7.6,SNR=38			
STKA	LR			08 12 37.2
STKA	Stephens Creek	56.17 134 eP	P	07 46 42.2 -0.8
STKA	comp=Z,18nm,0.8s			
STKA	LR			
STKA	Stephens Creek	56.17 134 P	P	07 46 43.0 +0.1
STKA	baz=56,SNR=37			
RABL	Rabaul	56.22 98 PFAKE	LR	07 46 50.0 +6.3
RABL	comp=Z,5um,21.0s			
DESE	Dese	56.70 280 iP	P	07 46 49.7 +2.2
DESE	eS			07 54 24.7 -1.5
DESE	Dese	56.70 280 iP	P	07 46 50.7 +3.2
DESE	eS			07 54 29.7 -1.0
GRNR	Gornyy	56.72 29 eP	P	07 46 48.0 +1.4

GRNR	comp=Z,42nm,1.0s			
AKT	Akhty	56.88 118 iP	P	07 46 47.5 -0.6
AKT	eS			07 47 41.4
AKT	eS			07 54 41.0 +0.5
AAE	Adis Abeba	57.52 278 iP	P	07 46 56.4 +3.1
AAE	Adis Abeba	57.52 278 iP	P	07 46 56.4 +3.1
FURI	Furi	57.60 278 PFAKE	LR	07 47 10.0 +1.6
MAK	Makhachkala	57.70 319 eP	P	07 46 48.2 -5.4
MAK	MAK	eS		07 54 44.9 -5.9
MAK	MAK	eSS		07 55 35.9 -5.6
MAK	MAK	pmx		
YSS	Yuzh-Sakhalins	57.86 361 eP	P	07 46 56.2 +1.5
YSS	e'SP			07 47 04.3 -1.7
YSS	eS			07 49 03.6
YSS	eS			07 56 45.5
YSS	eS			07 55 15.9
YSS	pmx			
YSS	comp=Z,160nm,1.1s			
YSS	pmx			
YUK	Yuzh-Kuril'sk	58.32 40 eP	P	07 46 56.3 -1.7
YUK	e			07 47 47.9
YUK	eS			07 49 05.5
YUK	eS			07 54 58.9 0.0
YUK	eSS			07 58 53.9 +2.7
YUK	pmx			
YUK	comp=E,157nm,0.9s			
YUK	pmx			
YUK	comp=Z,379nm,0.9s			
YUK	pmx			
YUK	comp=N,275nm,1.2s			
YUK	pmx			
GNI	Garni	58.39 315 eP	P	07 46 58.5 -0.2
GNI	comp=Z,133nm,1.1s			
GNI	LR			
GNI	comp=Z,10um,22.0s			
GNI	SNR=12			07 46 57.8 -1.0
GNI	Garni	58.39 315c iP	P	07 46 58.4 -0.4
GNI	comp=Z,531nm,1.0s			
GNI	MLR			
GNI	comp=Z,22um,18.0s			
GNI	MLR			
GROC	Groznyy	58.92 319 eP	P	07 47 00.3 -1.9
GROC	eS			07 47 49.7
GROC	eS			07 55 04.3 -2.6
GROC	pmx			
ARPS	Mount Arapiles	59.01 138 P	P	07 47 03.3 +0.4
ARPS	baz=59,SNR=5.6			
CMSA	Cobar Meteorol	59.01 131 P	P	07 47 01.9 -1.2
CMSA	baz=59,SNR=146			
TBLG	Delisi	59.02 317 eP	P	07 47 02.5 -0.4
TBLG	comp=Z,140nm,1.2s			
TBLG	Delisi	59.02 317 eP	P	07 47 02.6 -0.4
TBLG	comp=Z,140nm,1.2s			
RMQ	Roma	59.22 125 P	P	07 47 04.8 +0.2
RMQ	baz=59,SNR=39			
SVE	Sverdiolovsk	59.24 338j eP	P	07 47 03.6 -0.6
SVE	eS			07 49 13.3
SVE	eS			07 55 09.5 -1.0
SVE	eSS			07 59 00.0 -5.3
SVE	pmx			
SVE	comp=Z,180nm,1.3s			
SVE	MLR			
SVE	comp=E,22um,21.0s			
SVE	MLR			
SVE	comp=Z,38um,23.0s			
SVE	MLR			
SVE	comp=N,21um,22.0s			
KMBO	Kiliima Mbogo	59.55 266 P	P	07 47 10.1 +2.6
KMBO	comp=N,139nm,1.1s,baz=54,slow=8.9,SNR=83			
KMBO	LR			08 09 19.2
KMBO	Kiliima Mbogo	59.55 266 eP	P	07 47 08.0 +0.6
KMBO	comp=N,144nm,1.0s			
KMBO	LR			
KMBO	Kiliima Mbogo	59.55 266 iP	P	07 47 10.0 +2.6
KMBO	SNR=93			
AKH	Akhalkalaki	59.75 316 eP	P	07 47 08.6 +0.4
AKH	comp=Z,69nm,1.1s			
AKH	LR			
AKH	Akhalkalaki	59.75 316 eP	P	07 47 08.6 +0.4
AKH	comp=Z,9um,20.0s			
AKH	MLR			
AKH	comp=Z,68nm,1.1s			
AKH	MLR			
ARU	Arti	59.75 337 P	P	07 47 06.0 -1.7
ARU	comp=Z,5.4nm,0.5s,baz=148,slow=7.0,SNR=29			
ARU	Arti	59.75 337 eP	P	07 47 06.7 -1.0
ARU	comp=Z,94nm,1.1s			
ARU	LR			
ARU	Arti	59.75 337c iP	P	07 47 06.5 -1.2
ARU	comp=Z,39um,21.0s			
ARU	S			07 47 50.8
ARU	S			07 55 17.8 +0.7
ARU	S			07 56 53.0
ARU	SS			07 59 11.5 -1.8
ARU	pmx			
ARU	comp=Z,57nm,1.0s			
ARU	MLR			
ARU	comp=Z,40um,21.0s			
TYV	Tymovskoye	59.93 32 eP	P	07 47 11.8 +2.8
TYV	eS			07 55 25.9 +6.3
TYV	pmx			
TYV	comp=Z,69nm,1.5s			
TYV	pmx			
TYV	comp=Z,1um,4.4s			
TYV	smax			
ZEI	Tsey	60.01 317 eP	P	07 47 08.5 -1.6
ZEI	eS			07 55 18.4 -3.1
ZEI	eS			07 56 59.0
ZEI	pmx			
KUR	Kuril'sk	60.13 39c iP	P	07 47 11.7 +1.2
KUR	eS			07 47 49.0
KUR	eS			07 55 26.5 +4.1
KUR	eS			07 57 01.3
KUR	iSS			07 59 24.8 +4.9
KUR	eSSS			08 01 57.5
KUR	pmx			
KUR	comp=Z,478nm,1.4s			
KUR	pmx			
KUR	comp=Z,2um,4.4s			
KUR	pmx			
KUR	comp=E,800nm,3.6s			
KUR	MLR			
KUR	comp=Z,6um,16.0s			
KUR	MLR			
KUR	comp=N,5um,17.0s			
KUR	MLR			
NKL	Nikolayevsk	60.27 29 eP	P	07 47 14.8 +3.5
NKL	e			07 47 54.3
NKL	e			07 49 23.7
NKL	eS			07 55 29.9 +6.1
NKL	eS			07 57 01.1
NKL	eSS			07 59 22.7 +1.2
NKL	pmx			
NKL	comp=Z,23nm,0.9s			
NKL	pmx			
NKL	comp=N,166nm,1.2s			
NKL				

2d 7h	Station	Time	Code	Lat	Long	Dist	Dir	Wind	Temp	Hum	Pres	Cloud	Vis	Sea	Other
SIM	Simferopol'	67.39 317	ceP	P	P	07 47 57.5	-0.9								
SIM			ePPP	PPP	PPP	07 51 59.0									
SIM			eS	S	S	07 56 49.0	-3.8								
SIM	comp=Z,50nm,1.2s		pmax	pmax											
SIM	comp=Z,170nm,8.3s		pmax	pmax											
SKR	Severo-Kuril's	67.41 36	eP	P	P	07 47 58.1	-0.3								
SKR			e	S	S	07 48 25.3									
SKR			eS	S	S	07 56 56.5	+3.8								
SKR	comp=Z,329nm,0.9s		pmax	pmax											
SKR	comp=Z,900nm,5.1s		pmax	pmax											
SKR	comp=Z,2um,6.8s		MLR	MLR											
SKR	comp=Z,9um,16.0s		MLR	MLR											
SKR	comp=Z,9um,16.0s		MLR	MLR											
PRGR	Permogore	68.21 336	ijP	P	P	07 48 02.2	-1.0								
PRGR			eS	S	S	07 56 58.5	-3.4								
PRGR	comp=Z,64nm,0.8s		pmax	pmax											
ISP	Isparta	68.29 309	PFAKE	LR	LR	07 48 20.0	+1.6								
ISP			LR	LR											
MDUB	Mudurnu	68.33 312	eP	P	P	07 48 03.7	-0.9								
MA2	Magadan	68.48 26	eP	P	P	07 48 05.6	+0.6								
MA2			LR	LR											
MA2	Magadan	68.48 26	dIP	P	P	07 48 06.2	+1.2								
MA2			pmax	pmax											
MA2	comp=Z,64nm,1.2s		MLR	MLR											
MA2	comp=Z,10um,17.0s		MLR	MLR											
MOS	Moscow	69.04 329	eP	P	P	07 48 05.5	-3.0								
MOS			e	S	S	07 48 28.7									
MOS			eS	S	S	07 57 05.9	-6.1								
MOS			e	S	S	07 58 06.0									
MOS	comp=Z,74nm,0.7s		pmax	pmax											
MOS	comp=Z,900nm,4.4s		pmax	pmax											
MOS	comp=E,1um,3.6s		smax	smax											
MOS	comp=N,2um,4.7s		smax	smax											
MOS	comp=N,13um,19.0s		MLR	MLR											
MOS	comp=Z,21um,19.0s		MLR	MLR											
MOS	comp=E,12um,18.0s		MLR	MLR											
FETY	Fethiye	69.20 307	P	P	P	07 48 08.4	-1.6								
PEAOB	Petropavlovsk-	69.20 34	P	P	P	07 48 08.0	-1.6								
PEAOB			LR	LR											
PETK	Petropavlovsk	69.20 34	P	P	P	07 48 09.4	-0.2								
PETK			LR	LR											
PETK	comp=Z,139nm,0.9s,baz=200,slow=3.2,SNR=12		PKPKPK			08 16 21.4									
PETK	comp=Z,2.3nm,0.8s,baz=43,slow=6.5,SNR=2.8		PKPKPK												
OBN	Obninsk	69.35 328	eP	P	P	07 48 08.7	-1.7								
OBN			e	S	S	07 48 09.7	-0.7								
OBN	Obninsk	69.35 328	eP	P	P	07 48 09.7	-0.7								
OBN			e	S	S	07 48 09.7	-0.7								
OBN	comp=Z,17um,20.0s		LR	LR											
OBN	Obninsk	69.35 328	dIP	P	P	07 48 09.4	-1.0								
OBN			e	S	S	07 50 45.0									
OBN			eS	S	S	07 57 11.0	-4.6								
OBN			pmax	pmax											
OBN	comp=Z,66nm,1.3s		MLR	MLR											
LHI	Lord Howe Isla	69.45 126	PFAKE	LR	LR	07 48 20.0	+8.5								
LHI			LR	LR											
WAKE	Wake Island	69.66 71	PFAKE	LR	LR	07 48 20.0	+6.9								
WAKE			LR	LR											
PET	Petropavlovsk	69.71 35	eP	P	P	07 48 12.6	-0.1								
PET			LR	LR											
PET	Petropavlovsk	69.71 35	dIP	P	P	07 48 14.0	+1.3								
PET			e	S	S	07 48 36.9									
PET			e	S	S	07 50 54.5									
PET			eS	S	S	07 57 19.0	-1.0								
PET			eS	S	S	07 57 46.7	-1.2								
PET			eSS	SS	SS	08 01 50.1	+1.6								
PET			eSSS	SSS	SSS	08 04 51.8									
PET	comp=Z,500nm,7.8s		pmax	pmax											
PET	comp=Z,1um,6.5s		pmax	pmax											
PET	comp=Z,124nm,1.0s		pmax	pmax											
PET	comp=E,1um,13.2s		smax	smax											
PET	comp=N,3um,13.9s		smax	smax											
PET	comp=N,2um,13.1s		MLR	MLR											
PET	comp=Z,11um,19.0s		MLR	MLR											
YLV	Yalova	69.71 312	ijP	P	P	07 48 12.6	-0.5								
KULA	Kula-Manisa	69.86 309	P	P	P	07 48 13.5	-0.6								
TIXI	Tiksi	69.88 10	P	P	P	07 48 12.1	-1.3								
TIXI			eP	P	P	07 48 12.7	-0.7								
TIXI	comp=Z,26nm,0.8s,baz=239,slow=2.9,SNR=10		eP	P	P	07 48 12.7	-0.7								
TIXI	comp=Z,119nm,1.1s		LR	LR											
TIXI	comp=Z,15um,21.0s		LR	LR											
TIXI	Tiksi	69.88 10	dIP	P	P	07 48 12.7	-0.7								
TIXI			pmax	pmax											
TIXI	comp=Z,42nm,0.9s		MLR	MLR											
TIXI	comp=Z,18um,22.0s		MLR	MLR											
YER	Yerkesik	69.92 308	P	P	P	07 48 13.4	-1.0								
MANI	Manisa	69.94 309	eP	P	P	07 48 14.0	-0.7								
ISK	Istanbul-Kandi	70.05 312	P	P	P	07 48 14.1	-0.9								
KLYT	Kilyos	70.09 312	ijP	P	P	07 48 14.3	-1.0								
LSZ	Lusaka	70.55 252	eP	P	P	07 48 18.8	0.0								
LSZ			LR	LR											
LSZ	comp=Z,23um,19.0s		MLR	MLR											
LSZ	comp=Z,184nm,1.3s		MLR	MLR											
LSZ	comp=Z,2um,19.0s		MLR	MLR											
LSZ	comp=Z,184nm,1.3s		MLR	MLR											
KARP	Karpathos	70.57 306	eP	P	P	07 48 18.4	0.0								
KARP			LR	LR											
KARP	comp=Z,6um,22.0s		LR	LR											
KARP	Karpathos	70.57 306	eP	P	P	07 48 18.6	+0.2								
BALB	Balkesir	70.66 310	eP	P	P	07 48 18.3	-0.6								
BALB			LR	LR											
BALB	comp=Z,18um,21.0s		LR	LR											
TLCR	Tlcr	71.09 316	ijP	P	P	07 48 19.8	-1.5								
TLCR			e	S	S	07 48 19.8	-1.5								
SMG	Samos	71.15 308	P	P	P	07 48 20.8	-1.1								
PSN	Presentensi	71.21 315	P	P	P	07 48 21.0	-1.1								
TIRR	Tirgusor	71.21 315	eP	P	P	07 48 21.4	-0.6								
TIRR			LR	LR											
TIRR	comp=Z,220nm,0.9s		LR	LR											
TIRR	Tirgusor	71.21 315	ijP	P	P	07 48 21.9	-0.1								

2d 7h

NOA	comp-Z,17µm,21.1s,baz=95,slo=38	LR	LR	08 30 30.2
RETA	Reutte 83.74 317	iP	P	07 49 31.4 -0.9
FETA	comp-Z,26nm,0.8s,SNR=14			
FETA	Feichtal 83.77 317	iP	P	07 49 31.8 -0.6
HIZ	Hautti 83.77 129	PFAKE	LR	07 49 40.0 +7.6
HIZ				
NAO01	comp-Z,15µm,20.0s			
NAO01	NORSAR 83.83 331	eP	P	07 49 32.6 +0.3
NAO01	comp-Z,52nm,1.0s			
NB000	NORSAR 83.89 331	eP	P	07 49 32.9 +0.3
NB000	Array S			
NC204	NORSAR 83.90 331	eP	P	07 49 32.3 -0.4
NC204	Array S			
VLC	comp-Z,120nm,1.5s			
VLC	Villacollemand 83.93 314	PFAKE	LR	07 49 40.0 +6.3
VLC				
KIWB	comp-Z,3µm,20.0s			
KIWB	Kanaga Island 84.03 38	eP	P	07 49 32.9 -0.5
FUORN	comp-Z,272nm,1.8s			
FUORN	Offenpass-Fuorn 84.09 316	eP	P	07 49 33.6 -0.7
FUORN				
SNZO	comp-Z,7µm,20.0s			
SNZO	South Karori 84.20 132	PFAKE	LR	07 49 40.0 +5.5
ADK	comp-Z,9µm,22.0s			
ADK	Adak 84.32 38	eP	P	07 49 34.6 -0.3
ADK	comp-Z,136nm,1.1s			
ADK				
ADK	comp-Z,6µm,21.0s			
ADK	Adak 84.32 38	eP	P	07 49 34.6 -0.3
ADK				
ADK	comp-Z,136nm,1.1s			
ADK				
MIDW	comp-Z,6µm,21.0s			
MIDW	Midway 84.33 62	PFAKE	LR	07 49 50.0 +1.5
DAVA	comp-Z,4µm,22.0s			
DAVA	Damuels 84.34 317	iP	P	07 49 35.0 -0.4
KBS	comp-Z,31nm,1.0s,SNR=15			
KBS	Kingsbay 84.39 349	eP	P	07 49 34.6 -0.2
KBS	comp-Z,24nm,0.9s			
KBS				
KBS	comp-Z,14µm,20.0s			
KBS	Kingsbay 84.39 349	eP	P	07 49 34.6 -0.2
KBS				
KBS	comp-Z,24nm,0.9s			
KBS				
KBS	comp-Z,14µm,20.0s			
KBS	Kingsbay 84.39 349	eP	P	07 49 33.8 -1.0
KONO	comp-Z,60nm,1.3s			
KONO	Kongsberg 84.46 329	eP	P	07 49 35.6 +0.1
KONO				
KONO	comp-Z,19µm,20.0s			
KONO	Kongsberg 84.46 329	eP	P	07 49 35.6 +0.1
KONO				
KONO	comp-Z,60nm,1.3s			
KONO				
KONO	comp-Z,19µm,20.0s			
KONO				
DOMB	comp-Z,19µm,20.0s			
DOMB	Dombras 84.72 332	eP	P	07 49 36.1 -0.7
DOMB				
TUE	comp-Z,751nm,4.3s			
TUE	Stuetta 84.72 316	eP	P	07 49 36.6 -0.8
TUE				
TUE	comp-Z,42nm,1.1s			
TUE				
STU	comp-Z,7µm,20.0s			
STU	Stuttgart 84.78 318	PFAKE	LR	07 49 50.0 +1.3
TOD	comp-Z,6µm,20.0s			
TOD	Tromm 85.02 319	P	P	07 49 38.8 +0.2
KEST	comp-Z,66nm,0.9s,baz=69,slo=3.4,SNR=45			
KEST	Kesra 85.05 305	P	P	07 49 38.7 -0.4
KEST				
KEST	comp-Z,2.5nm,0.7s,baz=310,slo=11,SNR=36			
KEST	Kesra 85.05 305	eP	P	07 49 39.0 -0.1
KEST				
KEST	comp-Z,207nm,1.0s			
KEST				
PGF	comp-Z,4µm,20.0s			
PGF	Pioggiola 85.08 312	P	P	07 49 38.5 -0.6
PGF				
SKAR	comp-Z,42nm,1.0s			
SKAR	Skarslia 85.10 330	eP	P	07 49 40.0 +1.2
BKZ	comp-Z,97nm,0.9s			
BKZ	Black Stump Fm 85.14 130	eP	P	07 49 38.6 -0.8
TAMR	comp-Z,21µm,19.0s			
TAMR	Tamra 85.19 307	eP	P	07 49 39.4 -0.2
BFZ	comp-Z,67nm,1.1s			
BFZ	Birch Farm 85.22 131	PFAKE	LR	07 49 50.0 +1.0
TNS	comp-Z,10µm,21.0s			
TNS	Tanus Mts 85.23 320	P	P	07 49 42.1 +2.4
SLE	comp-Z,26µm,1.0s			
SLE	Schleitheim 85.28 317	P	P	07 49 39.9 -0.0
BFO	comp-Z,31nm,1.1s			
BFO	Black Forest 85.37 318	eP	P	07 49 39.9 -0.8
BFO				
BFO	comp-Z,4µm,21.0s			
BFO	Black Forest 85.37 318	eP	P	07 49 39.6 -0.8
BFO				
BFO	comp-Z,31nm,1.1s			
BFO				
BFO	comp-Z,4µm,21.0s			
BFO				
BFO	comp-Z,31nm,1.1s			
BFO				
MOL	comp-Z,4µm,21.0s			
MOL	Molde 85.42 332	eP	P	07 49 36.0 -4.3
URZ	comp-Z,28nm,0.7s,baz=237,slo=3.7,SNR=15			
URZ	Urevera 85.47 129	P	P	07 49 39.8 -1.2
URZ				
URZ	comp-Z,100nm,1.1s			
URZ				
KTD	comp-Z,14µm,18.0s			
KTD	Kalmit 85.50 319	P	P	07 49 41.5 +0.5
AKN	comp-Z,644nm,3.5s			
AKN	Aaknes 85.69 332	eP	P	07 49 38.7 -3.0
LANF	comp-Z,2.4µm,19.0s			
LANF	Langenberg 85.69 319	P	P	07 49 41.8 -0.1
BLSS	comp-Z,2.6µm,1.0s			
BLSS	Blasjo 86.06 329	eP	P	07 49 44.1 +0.6
BLSS				
CDF	comp-Z,778nm,3.4s			
CDF	Champ du Feu 86.06 318	eP	P	07 49 42.7 -1.2
SENIN	comp-Z,8.0nm,0.7s			
SENIN	Lac Senin/Sane 86.14 316	eP	P	07 49 44.0 -0.5
SENIN				
SENIN	comp-Z,77nm,1.4s			
SENIN				
ECH	comp-Z,4µm,19.0s			
ECH	Echery 86.15 318	eP	P	07 49 43.8 -0.4
ECH				
ECH	comp-Z,26nm,1.0s			
ECH				
ECH	comp-Z,3µm,22.0s			
ECH				
ECH	comp-Z,26nm,1.0s			
ECH				
SFB	comp-Z,3µm,22.0s			
SFB	Sospel 86.17 314	eP	P	07 49 43.7 -0.8
SFB				
MOF	comp-Z,72nm,1.0s			
MOF	Molkenrain 86.19 318	P	P	07 49 45.1 +0.6
MXZ	comp-Z,2.5nm,0.7s,baz=237,slo=3.7,SNR=15			
MXZ	Matakaoa Point 86.29 128	PFAKE	LR	07 50 00.0 +1.5
MXZ				
HINF	comp-Z,12µm,21.0s			
HINF	Hinteralfeld 86.38 318	eP	P	07 49 47.2 +1.8
HINF				
HINF	comp-Z,5.0nm,0.6s			
HINF				
LOMF	comp-Z,17nm,0.8s			
LOMF	Lomont 86.42 317	eP	P	07 49 47.4 +1.7
ABSA	comp-Z,2.6µm,1.0s			
ABSA	Djebel Ababsia 86.53 306	P	P	07 49 48.1 +1.6
CMAH	comp-Z,2.6µm,1.0s			
CMAH	Djebel Manchou 86.56 306	P	P	07 49 48.0 +1.4
LPG	comp-Z,12µm,21.0s			
LPG	La Plagne 86.57 315	eP	P	07 49 46.0 -0.7
LPG				
LPL	comp-Z,71nm,1.0s			
LPL	La Plagne 86.58 315	eP	P	07 49 45.1 -1.6
LPL				
MBDF	comp-Z,63nm,0.8s			
MBDF	Montbardon 86.60 314	eP	P	07 49 45.3 -1.4
MBDF				
BNI	comp-Z,17nm,0.8s			
BNI	Bardonecchia 86.65 315	eP	P	07 49 45.5 -1.4
BNI				
BNI	comp-Z,42nm,0.9s			
BNI				
BNI	comp-Z,7µm,22.0s			
BNI	Bardonecchia 86.65 315	eP	P	07 49 45.5 -1.4
BNI				
BNI	comp-Z,42nm,0.9s			
BNI				
HAU	comp-Z,7µm,22.0s			
HAU	Haudompre 86.71 318	eP	P	07 49 45.9 -1.1
HAU				

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WLF	comp-Z,22nm,0.7s			
WLF	Waiferdange 86.74 319	PFAKE	LR	07 50 00.0 +1.3
WLF				
WLF	comp-Z,26µm,20.0s			
WLF	Membach 86.74 319	P	P	07 49 46.3 -0.8
WLF	Waiferdange 86.74 319	PcP	P	07 49 48.1 +1.1
FRF	comp-Z,26µm,20.0s			
FRF	La Foret Royal 86.76 313	eP	P	07 49 46.8 -0.5
FRF				
MEM	comp-Z,44nm,0.9s			
MEM	Membach 86.78 320	P	P	07 49 49.9 +2.7
MEM	Membach 86.78 320	P	P	07 49 47.0 -0.2
MEM	Membach 86.78 320	sP	PcP	07 49 51.2 +1.7
MEM	La Moure 86.87 313	eP	P	07 49 47.2 -0.6
MEM				
CABF	comp-Z,50nm,1.2s			
CABF	La Chapelle 86.97 316	eP	P	07 49 47.8 -0.6
CABF				
CAEH	comp-Z,21nm,0.8s			
CAEH	'Ain El Ouahch 87.01 306	P	P	07 49 49.9 +1.2
CTEL	comp-Z,21nm,0.8s			
CTEL	Kef-Lekhel 87.14 306	P	P	07 49 50.8 +1.3
ORIF	comp-Z,21nm,0.8s			
ORIF	Oris-en-Rattie 87.22 315	eP	P	07 49 49.2 -0.4
ORIF				
BCLA	comp-Z,24nm,1.0s			
BCLA	Clavier 87.24 320	P	P	07 49 50.0 +0.6
BCLA	Gesves 87.38 320	P	P	07 49 50.0 -0.2
CTEI	comp-Z,24nm,1.0s			
CTEI	Djebel Teioual 87.41 306	P	P	07 49 51.2 +0.4
GIVF	comp-Z,24nm,1.0s			
GIVF	Givet 87.57 320	eP	P	07 49 53.5 +2.4
GIVF				
BMRD	comp-Z,19nm,1.0s			
BMRD	Maredsous 87.59 320	P	P	07 49 51.1 -0.1
DOU	comp-Z,19nm,1.0s			
DOU	Dourbes 87.71 320	P	P	07 49 52.3 +0.6
DFRA	comp-Z,19nm,1.0s			
DFRA	Djebel Bou Aff Uccle 87.81 306	P	P	07 49 54.6 +1.9
UCC	comp-Z,19nm,1.0s			
UCC	Uccle 87.81 321	PFAKE	LR	07 50 00.0 +7.8
UCC				
SNF	comp-Z,4µm,22.0s			
BAIF	comp-Z,4µm,22.0s			
BAIF	Baives 87.88 320	P	P	07 49 52.5 0.0
BAIF				
VIVF	comp-Z,19nm,1.0s			
VIVF	Saint-Julien-I 88.08 315	eP	P	07 49 53.1 -0.6
VIVF				
SSB	comp-Z,10.0nm,0.9s			
SSB	Saint Sauveur 88.14 315	eP	P	07 49 53.5 -0.5
SSB				
SSB	comp-Z,36nm,1.0s			
SSB	Saint Sauveur 88.14 315	eP	P	07 49 53.5 -0.5
SSB				
RAO	comp-Z,36nm,1.0s			
RAO	Raoul Island 88.35 119	PFAKE	LR	07 50 10.0 +1.5
RAO				
LOR	comp-Z,10µm,18.0s			
LOR	Lormes 88.44 317	eP	P	07 49 54.6 -0.7
LOR				
SMF	comp-Z,15nm,0.7s			
SMF				

H17A	comp=Z,12um,21.0s Grant Village baz=326	125.39	24	P	PKIKP	07 56 05.3 +0.4
BMN	Battle Mountain	125.43	31	PFAKE	LR	07 56 20.0 +15
MATO	comp=Z,3um,20.0s Matagami	125.54	355	P	PKPpdf	07 56 03.5 -0.8
SAO	San Andreas Ge	125.59	37	PFAKE	LR	07 56 20.0 +15
FLWY	comp=Z,3um,21.0s Flagg Ranch	125.60	24	PFAKE	LR	07 56 20.0 +15
WAKR	comp=Z,4um,21.0s Walker	125.60	35	PFAKE	LR	07 56 20.0 +15
IMW	comp=Z,4um,22.0s Indian Meadow	125.65	24	PFAKE	LR	07 56 20.0 +15
MDND	comp=Z,5um,22.0s Madcock	125.78	13	ePKPpdf	LR	07 56 04.5 -0.4
MDND	comp=Z,11um,22.0s Madcock	125.78	13	P	PKPpdf	07 56 04.6 -0.3
FXWY	comp=Z,6um,21.0s Fox Creek	125.83	25	ePKPpdf	PKPpdf	07 56 05.0 -0.4
MOOW	comp=Z,6um,21.0s Moose Ponds	125.85	24	PFAKE	LR	07 56 20.0 +14
KVN	comp=Z,6um,21.0s Kaisererville	125.96	33	ePKPpdf	PKPpdf	07 56 05.8 +0.2
TPAW	comp=Z,3um,19.0s Teton Pass	125.98	25	PFAKE	LR	07 56 20.0 +14
LOHW	comp=Z,6um,21.0s Long Hollow	126.02	24	PFAKE	LR	07 56 20.0 +14
RYN	comp=Z,6um,22.0s Ryan	126.03	34	PFAKE	LR	07 56 20.0 +14
SNOW	comp=Z,4um,21.0s Snow King Moun	126.08	24	PFAKE	LR	07 56 20.0 +14
AGMN	comp=Z,8um,22.0s Agassiz Nation	126.12	10	ePKPpdf	LR	07 56 04.7 -0.8
AGMN	comp=Z,12um,21.0s Agassiz Nation	126.12	10	P	PKPpdf	07 56 04.5 -0.9
LSOQ	comp=Z,8um,22.0s Lebel-sur-Quev	126.18	355	P	PKPpdf	07 56 04.4 -1.1
ELK	comp=Z,5um,22.0s Elko	126.20	30	ePKPpdf	LR	07 56 06.2 +0.1
NVAR	comp=Z,8um,22.0s Mina Array Bay	126.29	34	PKP	PKPpdf	07 56 06.1 -0.2
NVAR	comp=Z,8um,22.0s Mina Array Bay	126.29	34	PKP	PKPpdf	07 56 06.1 -0.2
NV11	comp=Z,1.4nm,1.0s,baz=139,slow=3.9,SNR=4.2 Mina Array Sit	126.37	34	ePKPpdf	PKPpdf	07 56 06.3 -0.1
MDPB	comp=Z,4um,21.0s Devils Postpil	126.41	35	ePKPpdf	LR	07 56 06.4 -0.3
GBN	comp=Z,4um,21.0s Guysborough	126.42	341	PFAKE	LR	07 56 20.0 +13
OMMB	comp=Z,4um,20.0s Old Mammoth M	126.47	35	PFAKE	LR	07 56 20.0 +13
AHID	comp=Z,4um,20.0s Auburn Hatcher	126.51	25	PFAKE	LR	07 56 20.0 +13
HVU	comp=Z,6um,21.0s Hansell Valley	126.57	27	ePKPpdf	PKPpdf	07 56 05.6 -1.1
PAGB	comp=Z,6um,21.0s Hansell Valley	126.57	27	ePKPpdf	PKPpdf	07 56 05.6 -1.1
PAGB	comp=Z,6um,21.0s Antelope Grade	127.00	38	PFAKE	LR	07 56 20.0 +12
LMN	comp=Z,2um,20.0s Caledonia Moun	127.02	344	PFAKE	LR	07 56 20.0 +12
RKT	comp=Z,8um,22.0s Rikitea	127.03	115	eLR	LQ	08 30 14.6
RKT	comp=Z,6um,38.0s Presque Isle	127.07	347	PFAKE	LR	07 56 20.0 +12
EYMN	comp=Z,8um,20.0s Ely	127.11	7	ePKPpdf	LR	07 56 06.4 -1.0
EYMN	comp=Z,7um,21.0s Ely	127.11	7	P	PKPpdf	07 56 06.3 -1.0
BW06	comp=Z,4um,21.0s Boulder Array	127.15	24	ePKPpdf	LR	07 56 07.0 -0.9
BW06	comp=Z,4um,21.0s Boulder Array	127.15	24	P	PKPpdf	07 56 06.5 -1.4
PD31	comp=Z,2um,20.0s Pinedale Array	127.15	24	ePKPpdf	PKPpdf	07 56 06.9 -1.0
PDAR	comp=Z,2um,20.0s Pinedale Array	127.15	24	PKP	PKPpdf	07 56 07.5 -0.5
PDAR	comp=Z,2um,20.0s Pinedale Array	127.15	24	PKP	PKPpdf	07 56 07.5 -0.5
VLDQ	comp=Z,0.4nm,0.7s,baz=157,slow=5.6,SNR=2.6 Val d'Or	127.16	355	PFAKE	LR	07 56 20.0 +12
HWUT	comp=Z,12um,22.0s Hardware Ranch	127.25	26	PFAKE	LR	07 56 20.0 +11
LATQ	comp=Z,5um,22.0s La Tuque	127.31	351	P	PKPpdf	07 56 06.5 -1.3
C40A	comp=Z,8um,19.0s Isle Royale Na	127.37	5	PFAKE	LR	07 56 20.0 +12
C40A	comp=Z,8um,19.0s Isle Royale Na	127.37	5	P	PKPpdf	07 56 06.8 -1.0
DUG	comp=Z,4um,21.0s Dugway, Tooele	127.80	28	ePKPpdf	LR	07 56 08.7 -0.4
DUG	comp=Z,4um,21.0s Dugway, Tooele	127.80	28	ePKPpdf	PKPpdf	07 56 08.7 -0.4
DUG	comp=Z,4um,21.0s Dugway, Tooele	127.80	28	P	PKPpdf	07 56 08.9 -0.2
CWC	comp=Z,2um,20.0s Cottonwood Cre	127.81	35	P	PKPpdf	07 56 08.7 -0.6
R11A	comp=Z,2um,20.0s Troy Canyon, C	127.82	32	ePKPpdf	LR	07 56 08.9 -0.4
R11A	comp=Z,4um,22.0s Troy Canyon, C	127.82	32	P	PKPpdf	07 56 09.1 -0.2
PK1M	comp=Z,8um,22.0s Mcherson Peak	127.83	3	P	PKPpdf	07 56 08.2 -1.1
CTU	comp=Z,6um,21.0s Camp Tracy	127.90	27	ePKPpdf	PKPpdf	07 56 08.9 -0.5
RSSD	comp=Z,6um,21.0s Black Hills	127.99	19	ePKPpdf	PKPpdf	07 56 08.7 -0.7
RSSD	comp=Z,6um,21.0s Black Hills	127.99	19	ePKPpdf	PKPpdf	07 56 08.7 -0.7
RSSD	comp=Z,6um,21.0s Black Hills	127.99	19	P	PKPpdf	07 56 08.8 -0.7
D54A	comp=Z,8um,19.0s Lac Fusel, La	128.04	354	P	PKPpdf	07 56 08.7 -0.5
ISA	comp=Z,5um,20.0s Isabella, Lake	128.11	36	PFAKE	LR	07 56 20.0 +10
ISA	comp=Z,5um,20.0s Isabella, Lake	128.11	36	P	PKPpdf	07 56 09.4 -0.3
DAC	comp=Z,3um,20.0s Darwin (Calif)	128.20	35	ePKPpdf	LR	07 56 11.0 +0.3
DAC	comp=Z,3um,20.0s Darwin (Calif)	128.20	35	ePKPpdf	PKPpdf	07 56 11.0 +0.3
D53A	comp=Z,8um,20.0s Lac Vacive, Po	128.21	355	PFAKE	LR	07 56 20.0 +10
D53A	comp=Z,8um,20.0s Lac Vacive, Po	128.21	355	P	PKPpdf	07 56 09.1 -0.4
D49A	comp=Z,6um,21.0s Beulah Townshi	128.23	358	P	PKPpdf	07 56 07.2 -2.3
GGN	comp=Z,6um,21.0s Saint George	128.24	345	PFAKE	LR	07 56 20.0 +10
ARVC	comp=Z,6um,21.0s Arvin	128.27	37	P	PKPpdf	07 56 09.9 0.0
D41A	comp=Z,6um,21.0s Chassel	128.27	4	PFAKE	LR	07 56 20.0 +10

D41A	comp=Z,8um,21.0s Chassel	128.27	4	P	PKPpdf	07 56 09.2 -0.4
D51A	comp=Z,8um,21.0s Lot 18 Range I	128.32	356	P	PKPpdf	07 56 08.2 -1.5
D48A	comp=Z,8um,21.0s Paudash Townsh	128.34	359	P	PKPpdf	07 56 08.4 -1.4
D52A	comp=Z,8um,21.0s ZEK Kipawa Sen	128.37	356	P	PKPpdf	07 56 08.1 -1.7
MPMC	comp=Z,8um,21.0s Manual Prospec	128.42	35	P	PKPpdf	07 56 09.1 -1.3
E38A	comp=Z,10um,21.0s The Farm, Brul	128.42	7	ePKPpdf	LR	07 56 09.3 -0.6
E38A	comp=Z,10um,21.0s The Farm, Brul	128.42	7	P	PKPpdf	07 56 09.1 -0.8
K22A	comp=Z,6um,21.0s Casper	128.43	22	PFAKE	LR	07 56 20.0 +9.1
K22A	comp=Z,6um,21.0s Casper	128.43	22	P	PKPpdf	07 56 09.4 -0.9
D47A	comp=Z,6um,21.0s Chapleau	128.48	360	P	PKPpdf	07 56 07.9 -2.2
TPNV	comp=Z,6um,21.0s Topopah Spring	128.48	34	PFAKE	LR	07 56 20.0 +8.8
FURC	comp=Z,4um,21.0s Furce Creek, baz=315	128.49	35	P	PKPpdf	07 56 09.3 -1.0
PSUT	comp=Z,4um,21.0s Pine Spring	128.58	31	ePKPpdf	PKPpdf	07 56 10.2 -0.5
D46A	comp=Z,4um,21.0s Saut St. Mari	128.64	1	ePKPpdf	PKPpdf	07 56 09.1 -1.2
OSI	comp=Z,4um,21.0s Osito Audit: C	128.68	38	PFAKE	LR	07 56 20.0 +8.5
PKME	comp=Z,3um,20.0s Peaks-Kenny Pk	128.69	347	PFAKE	LR	07 56 20.0 +8.9
PKME	comp=Z,3um,20.0s Peaks-Kenny Pk	128.69	347	P	PKIKP	07 56 10.8 -0.2
LRMC	comp=Z,3um,20.0s Laurel Mtn Rad	128.71	36	P	PKPpdf	07 56 10.6 -0.4
EMMW	comp=Z,3um,20.0s East Machias	128.78	345	PFAKE	LR	07 56 20.0 +8.7
E54A	comp=Z,8um,22.0s Lac Daplat, Po	128.80	354	P	PKPpdf	07 56 09.5 -1.2
E44A	comp=Z,7um,21.0s Grand Marais A	128.87	2	PFAKE	LR	07 56 20.0 +8.6
E44A	comp=Z,7um,21.0s Grand Marais A	128.87	2	P	PKPpdf	07 56 08.3 -2.4
E51A	comp=Z,7um,21.0s G1948 Merrick	128.88	357	P	PKPpdf	07 56 10.1 -0.7
E53A	comp=Z,7um,21.0s Dumoine, Ponti	128.90	355	P	PKPpdf	07 56 09.1 -1.8
EDW2	comp=Z,7um,21.0s Edwards Air Fo	128.94	37	P	PKPpdf	07 56 11.5 +0.2
RWWY	comp=Z,6um,20.0s Rawlins	128.99	23	ePKPpdf	LR	07 56 11.2 -0.3
F38A	comp=Z,6um,20.0s Pierce - Schro	129.01	8	P	PKPpdf	07 56 11.0 0.0
E48A	comp=Z,6um,20.0s Lockeyer	129.04	359	P	PKPpdf	07 56 10.6 -0.5
E50A	comp=Z,6um,20.0s Wahnapitae	129.05	358	P	PKPpdf	07 56 09.8 -1.3
E43A	comp=Z,6um,20.0s Lone Tree Farm	129.06	3	ePKPpdf	LR	07 56 10.9 -0.3
E43A	comp=Z,6um,20.0s Lone Tree Farm	129.06	3	P	PKPpdf	07 56 09.7 -1.4
E52A	comp=Z,6um,20.0s Mattawa	129.07	356	P	PKPpdf	07 56 10.8 -0.4
E47A	comp=Z,6um,20.0s Iron Bridge	129.08	360	P	PKPpdf	07 56 09.8 -1.4
SUSD	comp=Z,6um,20.0s Miller	129.13	14	P	PKPpdf	07 56 09.8 -1.6
F37A	comp=Z,6um,20.0s Hinthe Farm, baz=348	129.14	8	P	PKPpdf	07 56 10.7 -0.6
E46A	comp=Z,6um,20.0s Sault Ste Mari	129.16	1	ePKPpdf	LR	07 56 10.8 -0.5
E46A	comp=Z,6um,20.0s Sault Ste Mari	129.16	1	P	PKPpdf	07 56 10.6 -0.7
F39A	comp=Z,6um,20.0s Loretta	129.18	7	P	PKPpdf	07 56 10.9 -0.5
COWI	comp=Z,6um,20.0s Conover	129.18	5	ePKPpdf	LR	07 56 10.8 -0.6
SHOC	comp=Z,10um,22.0s Shoshone, Teco	129.22	35	P	PKIKP	07 56 12.5 0.0
F40A	comp=Z,10um,22.0s Par Falls	129.26	6	P	PKPpdf	07 56 11.2 -0.4
PASC	comp=Z,10um,22.0s Pasadena Art C	129.30	38	PFAKE	LR	07 56 20.0 +7.3
GSC	comp=Z,3um,21.0s Goldstone, Bar	129.34	36	ePKPpdf	LR	07 56 11.8 -0.3
GSC	comp=Z,3um,21.0s Goldstone, Bar	129.34	36	ePKPpdf	PKPpdf	07 56 11.8 -0.3
GSC	comp=Z,3um,21.0s Goldstone, Bar	129.34	36	P	PKIKP	07 56 13.2 +0.4
MWC	comp=Z,3um,20.0s Mount Wilson	129.34	38	PFAKE	LR	07 56 20.0 +7.0
ALGO	comp=Z,3um,20.0s Algonquin Park	129.35	355	P	PKPpdf	07 56 11.0 -0.7
SHPR	comp=Z,4um,21.0s Sheep Range	129.41	33	ePKPpdf	LR	07 56 11.7 -0.6
WVL	comp=Z,4um,21.0s Waterville	129.43	347	PFAKE	LR	07 56 20.0 +7.4
F51A	comp=Z,8um,22.0s Arnstein	129.51	357	P	PKPpdf	07 56 11.3 -0.7
PEMO	comp=Z,8um,22.0s Pembroke	129.55	354	P	PKPpdf	07 56 11.1 -1.0
BFSC	comp=Z,8um,22.0s Mount Baldy Ra	129.58	37	P	PKPpdf	07 56 11.7 -0.9
SPMN	comp=Z,8um,22.0s Marine on St.	129.60	9	ePKPpdf	LR	07 56 12.3 +0.1
SPMN	comp=Z,8um,22.0s Marine on St.	129.60	9	P	PKPpdf	07 56 12.1 -0.1
F52A	comp=Z,8um,22.0s Sundridge	129.60	356	P	PKPpdf	07 56 11.7 -0.5
SZCU	comp=Z,8um,22.0s Shurtz Canyon	129.68	31	ePKPpdf	PKPpdf	07 56 12.5 -0.4
F48A	comp=Z,8um,22.0s Evansville	129.70	359	P	PKIKP	07 56 13.0 -0.1
F49A	comp=Z,8um,22.0s Sandfield	129.75	359	P	PKPpdf	07 56 12.4 0.0
TUQ	comp=Z,8um,22.0s Turquoise Moun	129.75	35	P	PKPpdf	07 56 12.9 0.0
G39A	comp=Z,8um,22.0s Holcombe	129.76	7	P	PKPpdf	07 56 12.2 -0.3
F45A	comp=Z,8um,22.0s CMU Biological	129.81	2	P	PKPpdf	07 56 12.6 +0.1
O20A	comp=Z,8um,22.0s White River Ci	129.89	25	ePKPpdf	LR	07 56 12.8 -0.4
O20A	comp=Z,8um,22.0s White River Ci	129.89	25	P	PKPpdf	07 56 12.5 -0.7
G40A	comp=Z,8um,22.0s Rib Lake	129.90	6	PFAKE	LR	07 56 20.0 +6.4
G40A	comp=Z,8um,22.0s Rib Lake	129.90	6	P	PKPpdf	07 56 12.9 +0.1
FRNY	comp=Z,8um,22.0s Flat Rock	129.92	351	PFAKE	LR	07 56 20.0 +6.4
G55A	comp=Z,8um,22.0s Catalobie	129.92	354	P	PKPpdf	07 56 12.5 -0.3
HEC	comp=Z,8um,22.0s Hector,Ludlow	129.95	36	P	PKIKP	07 56 13.8 -0.3
BUKO	comp=Z,8um,22.0s Buck Lake	129.96	356	P	PKPpdf	07 56 12.4 -0.4
PHWY	comp=Z,8um,22.0s Pilot Hill	129.99	22	PFAKE	LR	07 56 20.0 +5.8
BBRC	comp=Z,8um,22.0s Big Bear Solar	130.00	37	P	PKIKP	07 56 15.2 +0.8
N23A	comp=Z,8um,22.0s Red Feather La	130.16	22	ePKPpdf	LR	07 56 13.7 -0.1

N23A	comp=Z,8um,22.0s Red Feather La	130.16	22	P	PKPpdf	07 56 13.8 0.0
PLVO	comp=Z,9um,21.0s Plevna	130.17	354	PFAKE	LR	07 56 20.0 +5.9
PLVO	comp=Z,9um,21.0s Plevna	130.17	354	P	PKPpdf	07 56 13.4 +0.1
G4						

R53A	Hurricane	137.18	358	PFAKE	LR	07 56 40.0	+12
R53A	comp=Z,11um,20.0s						
R53A	Hurricane	137.18	358	P	PKPdf	07 56 25.1	-1.6
R52A	Catlettsburg	137.19	359	P	PKPdf	07 56 25.9	-0.8
R49A	Shelbyville	137.21	2	PFAKE	LR	07 56 40.0	+11
R49A	comp=Z,7um,20.0s						
R49A	Shelbyville	137.21	2	P	PKPdf	07 56 27.1	+0.4
WCI	Wyandotte Cave	137.22	3	ePKPdf	LR	07 56 26.2	-0.4
WCI	comp=Z,7um,19.0s						
WCI	Wyandotte Cave	137.22	3	ePKIKP	MLR	07 56 26.3	-0.4
WCI	comp=Z,7um,19.0s						
WCI	Wyandotte Cave	137.22	3	P	PKPdf	07 56 25.1	-1.6
R51A	Hillsboro	137.23	0	P	PKPdf	07 56 26.2	-0.5
S61A	Accomac	137.23	351	PFAKE	LR	07 56 40.0	+11
S61A	comp=Z,7um,20.0s						
R50A	Paris	137.24	1	ePKPdf	LR	07 56 26.1	-0.6
R50A	comp=Z,10um,20.0s						
R50A	Paris	137.24	1	P	PKPdf	07 56 26.8	0.0
R58B	Mineral	137.25	354	PFAKE	LR	07 56 40.0	+11
R58B	comp=Z,11um,20.0s						
R58B	Mineral	137.25	354	P	PKPdf	07 56 27.1	+0.3
HSIG		137.30	37	PFAKE	LR	07 56 40.0	+11
HSIG	comp=Z,2um,20.0s						
USIN	University of	137.38	5	PFAKE	LR	07 56 40.0	+11
USIN	comp=Z,7um,21.0s						
S59A	Mechanicsville	137.38	353	P	PKPdf	07 56 27.5	+0.5
MSTX	comp=Z,8um,22.0s						
MSTX	Muleshoe	137.42	24	PFAKE	LR	07 56 40.0	+11
S44A	Carbondale	137.46	7	P	PKPdf	07 56 25.4	-1.8
S44A	comp=Z,8um,22.0s						
S57A	Dark Hollow, R	137.58	355	PFAKE	LR	07 56 40.0	+11
S57A	comp=Z,8um,22.0s						
S57A	Dark Hollow, R	137.58	355	P	PKPdf	07 56 27.9	+0.5
VAS01	Vassouras-RJ	137.57	242	eP	PKIKP	07 56 30.6	+0.9
S58A	Poland Farm, P	137.62	354	PFAKE	LR	07 56 40.0	+11
S58A	comp=Z,11um,20.0s						
S58A	Poland Farm, P	137.62	354	P	PKPdf	07 56 27.4	-0.1
S55A	Lewisburg	137.67	357	P	PKPdf	07 56 27.3	-0.4
S49A	Springfield	137.71	2	P	PKPdf	07 56 25.8	-1.9
SRIG	Santa Rosalia	137.72	40	PFAKE	LR	07 56 40.0	+10
SRIG	comp=Z,3um,22.0s						
S48A	Wiedeman Farm,	137.80	3	P	PKPdf	07 56 28.5	+0.7
S47A	Hartford	137.81	4	P	PKPdf	07 56 27.7	-0.1
S53A	Williamson	137.83	358	P	PKPdf	07 56 28.3	+0.4
S50A	Richmond	137.84	1	P	PKPdf	07 56 26.8	-1.1
S52A	Salversville	137.85	360	P	PKPdf	07 56 27.9	0.0
S51A	Beattyville	137.89	0	ePKPdf	LR	07 56 27.4	-0.6
S51A	comp=Z,13um,21.0s						
S51A	Beattyville	137.89	0	P	PKPdf	07 56 25.7	-2.3
T60A	Surry	137.92	352	PFAKE	LR	07 56 40.0	+10
T60A	comp=Z,6um,20.0s						
TUL1	Leonard	137.98	15	PFAKE	LR	07 56 40.0	+10
TUL1	comp=Z,8um,22.0s						
HHAR	Hobbs	138.07	13	PFAKE	LR	07 56 40.0	+10
HHAR	comp=Z,11um,22.0s						
T59A	Double "B" Far	138.19	353	PFAKE	LR	07 56 40.0	+9.4
T59A	comp=Z,7um,20.0s						
WMOK	Wichita Mount	138.19	19	PFAKE	LR	07 56 40.0	+9.3
WMOK	comp=Z,6um,22.0s						
MNTX	Cornudas Mount	138.20	29	ePKPdf	LR	07 56 27.8	-0.9
MNTX	comp=Z,6um,20.0s						
MNTX	Cornudas Mount	138.20	29	P	PKPdf	07 56 26.5	-2.3
T45A	Paducah	138.22	6	PFAKE	LR	07 56 40.0	+9.4
T45A	comp=Z,6um,21.0s						
BLA	Blacksburg	138.22	356	PFAKE	LR	07 56 40.0	+9.3
BLA	comp=Z,10um,22.0s						
PBMO	Poplar Bluff	138.23	8	PFAKE	LR	07 56 40.0	+9.3
PBMO	comp=Z,8um,22.0s						
GD12	Goodale Moun	138.25	27	ePKPdf	LR	07 56 27.6	-1.4
T48A	Buwalding Green	138.27	4	P	PKPdf	07 56 27.0	-1.8
T55A	Pulaski	138.34	357	P	PKPdf	07 56 26.5	-2.3
T57A	Hurt	138.34	355	PFAKE	LR	07 56 40.0	+9.1
T57A	comp=Z,8um,20.0s						
T49A	Edmonton	138.37	3	PFAKE	LR	07 56 40.0	+9.0
T47A	Sharon Grove	138.39	4	ePKPdf	LR	07 56 28.0	-0.9
T52A	Hallie	138.42	359	PFAKE	LR	07 56 40.0	+8.9
T52A	comp=Z,9um,21.0s						
T54A	Tazewell	138.43	358	P	PKPdf	07 56 29.5	+0.4
T54A	comp=Z,7um,22.0s						
PARMO	Parma	138.44	8	PFAKE	LR	07 56 40.0	+8.9
T50A	Nancy	138.48	2	P	PKPdf	07 56 29.5	+0.4
U60A	Pendleton	138.64	352	P	PKPdf	07 56 30.1	+0.8
U61A	Possum Corner	138.67	351	PFAKE	LR	07 56 40.0	+8.4
U61A	comp=Z,10um,20.0s						
PVMO	Portageville	138.69	8	PFAKE	LR	07 56 40.0	+8.4
PVMO	comp=Z,7um,21.0s						
FCAR	Ozark Folk Cen	138.81	11	PFAKE	LR	07 56 40.0	+8.1
FCAR	comp=Z,5um,19.0s						
U59A	Littleton	138.83	353	PFAKE	LR	07 56 40.0	+8.1
U59A	comp=Z,6um,20.0s						
GLAT	Oxford	138.88	354	P	PKPdf	07 56 30.4	+0.6
GLAT	comp=Z,6um,19.0s						
GLAT	Glass	138.88	7	PFAKE	LR	07 56 40.0	+8.0
U54A	Nelsons Funny	138.98	358	PFAKE	LR	07 56 40.0	+7.7
U54A	comp=Z,10um,20.0s						
TZTN	Tazewell	138.98	0	PFAKE	LR	07 56 40.0	+7.8
TZTN	comp=Z,15um,20.0s						
BBSR	BB Station	139.07	336	PFAKE	LR	07 56 40.0	+7.5
BBSR	comp=Z,4um,22.0s						
GNAR	Gosnell	139.09	8	PFAKE	LR	07 56 40.0	+7.6
GNAR	comp=Z,8um,21.0s						
U52A	Thorn Hill	139.13	360	P	PKPdf	07 56 29.2	-1.1

W39A	Magazine	139.14	13	ePKPdf	LR	07 56 29.6	-0.8
W39A	comp=Z,9um,21.0s						
WVVT	Waverly	139.18	5	PFAKE	LR	07 56 40.0	+7.4
WVVT	comp=Z,6um,19.0s						
V61A	Roper	139.22	351	PFAKE	LR	07 56 40.0	+7.3
V61A	comp=Z,9um,19.0s						
HALT	Halls	139.23	7	PFAKE	LR	07 56 40.0	+7.3
HALT	comp=Z,5um,20.0s						
CLTN	Cedars of Leba	139.34	4	PFAKE	LR	07 56 40.0	+7.0
CLTN	comp=Z,4um,19.0s						
V60A	Jim Taylor Roa	139.34	352	PFAKE	LR	07 56 40.0	+7.1
V60A	comp=Z,8um,20.0s						
V62A	Hyde County Ai	139.35	351	PFAKE	LR	07 56 40.0	+7.0
V62A	comp=Z,9um,21.0s						
WHAR	Woolly Hollow	139.37	11	PFAKE	LR	07 56 40.0	+7.0
WHAR	comp=Z,8um,21.0s						
HBAR	Harrisburg	139.39	9	PFAKE	LR	07 56 40.0	+6.9
HBAR	comp=Z,6um,22.0s						
W41B	Gary Mavity, V	139.49	11	PFAKE	LR	07 56 40.0	+6.7
W41B	comp=Z,9um,21.0s						
V56A	Mocksville	139.62	356	PFAKE	LR	07 56 40.0	+6.5
V56A	comp=Z,8um,20.0s						
V48A	Smith Brothers	139.66	4	ePKPdf	LR	07 56 30.4	-0.9
V48A	comp=Z,6um,19.0s						
V52A	Sevierville	139.68	0	PFAKE	LR	07 56 40.0	+6.3
V52A	comp=Z,13um,19.0s						
V51A	Loudon	139.71	1	PFAKE	LR	07 56 40.0	+6.3
V51A	comp=Z,7um,20.0s						
MIAR	Mount Ida	139.81	13	PFAKE	LR	07 56 40.0	+6.0
MIAR	comp=Z,10um,21.0s						
ABTX	Abilene, Hawle	139.82	21	PFAKE	LR	07 56 40.0	+5.9
ABTX	comp=Z,8um,20.0s						
V53A	Saluda	139.85	359	PFAKE	LR	07 56 40.0	+5.9
V53A	comp=Z,11um,20.0s						
UALR	University of	139.85	11	PFAKE	LR	07 56 40.0	+6.0
UALR	comp=Z,10um,21.0s						
MET	Memphis-Engin	139.93	8	PFAKE	LR	07 56 40.0	+5.8
MET	comp=Z,7um,22.0s						
CNCC	Cliffs of the	139.94	353	PFAKE	LR	07 56 40.0	+5.8
CNCC	comp=Z,7um,20.0s						
X40A	Basin Creek Fa	140.03	12	PFAKE	LR	07 56 40.0	+5.6
X40A	comp=Z,10um,22.0s						
CPCT	Cooper Cave	140.06	1	ePKPdf	LR	07 56 31.1	-0.9
CPCT	comp=Z,10um,22.0s						
SWET	Sewanee	140.24	3	PFAKE	LR	07 56 40.0	+5.1
SWET	comp=Z,6um,21.0s						
W57A	Gilead	140.24	356	PFAKE	LR	07 56 40.0	+5.2
W57A	comp=Z,9um,22.0s						
W57A	Gilead	140.24	356	P	PKPdf	07 56 31.9	-0.4
OGAU	Aigu	140.27	218	eP	PKIKP	07 56 41.2	+6.3
W50A	Signal Mountai	140.28	2	PFAKE	LR	07 56 40.0	+5.0
W50A	comp=Z,6um,19.0s						
PLAL	Pickwick Lake	140.30	6	ePKPdf	LR	07 56 31.7	-0.7
PLAL	comp=Z,6um,20.0s						
KMSC	Kings Mountain	140.33	357	ePKPdf	LR	07 56 31.4	-1.1
KMSC	comp=Z,9um,22.0s						
KMSC	Kings Mountain	140.33	357	P	PKPdf	07 56 30.9	-1.6
W51A	Cleveland	140.34	2	P	PKPdf	07 56 32.1	-0.4
W51A	comp=Z,5um,18.0s						
W53A	Cullowhee	140.35	360	P	PKPdf	07 56 32.8	+0.1
W53A	comp=Z,3um,18.0s						
X43A	Marvell	140.37	10	PFAKE	LR	07 56 40.0	+4.9
X43A	comp=Z,9um,22.0s						
W52A	Murphy	140.43	1	PFAKE	LR	07 56 40.0	+4.7
W52A	comp=Z,11um,19.0s						
W52A	Murphy	140.43	1	P	PKPdf	07 56 31.8	-1.0
BG3	Lake Jocassee	140.53	359	PFAKE	LR	07 56 40.0	+4.6
BG3	comp=Z,7um,20.0s						
SPB	Sao Paulo	140.55	238	PFAKE	LR	07 56 40.0	+4.3
SPB	comp=Z,6um,19.0s						
SPB	Sao Paulo	140.55	238	eP	PKIKP	07 56 37.1	+1.4
OXF	Oxford	140.60	8	ePKPdf	LR	07 56 33.2	+0.2
OXF	comp=Z,5um,18.0s						
OXF	Oxford	140.60	8	ePKIKP	MLR	07 56 33.2	+0.2
OXF	comp=Z,5um,18.0s						
CNBL	Canela	140.64	228	eP	PKIKP	07 56 37.4	+1.5
X46A	Booneville	140.66	7	P	PKPdf	07 56 30.4	-2.7
X46A	comp=Z,9um,21.0s						
PAULI	Pauline	140.67	358	PFAKE	LR	07 56 40.0	+4.3
PAULI	comp=Z,10um,22.0s						
WLAR	White Oak Lake	140.74	13	PFAKE	LR	07 56 40.0	+4.1
WLAR	comp=Z,10um,22.0s						
X58A	Rowland	140.78	355	PFAKE	LR	07 56 40.0	+4

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

ROM 02:07:45:20.7±0.0,44°206N±0.001×10°216E±0.001, h5km, MLO.0/1, Error ellipse: s-maj=0.9km s-min=0.1km az=302.0, Northern Italy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

NNC 02:07:49:09.2±0.7,50°17N-79°18E, h0km, mb3.6, mpv3.2, 6C-3D, Error ellipse: s-maj=15.7km s-min=3.6km az=53.0, Suspected Mining explosion, Eastern Kazakhstan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

IDC 02:07:38.9±7.4,3°54N-95°15E, h0km, mb3.8/3, mb1 4/0/3, mb1mx3.6/42, mbtmp3.8/3, Error ellipse: s-maj=365.8km s-min=28.8km az=57.0

ISCJB 02:07:51:43.9±0.8,4°60N-0°17.0±96°7E:0.1, h10km, mb4.1/8, Error ellipse: s-maj=16.2km s-min=9.0km az=159.2

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

RKT	comp=Z,104nm,1.0s	eLR	LR	09 55 35.5			
CTAO	Charters Tower comp=Z,28nm,1.3s	38.24 257 eP	P	09 45 57.0 -0.2			
CTAO	Charters Tower	38.24 257 eP	P	09 45 57.0 -0.2			
CANB	Carberra Magne baz=38,SNR=20	38.25 232 P	P	09 45 57.3 -0.1			
CANB	Carberra	38.25 232 P	P	09 45 58.6 -1.2			
CAN CAN	Carberra	38.55 233 eP	P	09 45 58.6 -1.2			
PMG	comp=Z,76nm,1.3s	38.62 275 eP	P	09 45 58.7 -1.8			
PMG	Port Moresby comp=Z,81nm,1.2s	38.62 275 eP	P	09 46 01.3 +0.8			
YNG	Young baz=38,SNR=7.6	38.67 234 P	P	09 46 00.8 +0.1			
MILA	Mila baz=39,SNR=3.4	39.08 230 P	P	09 46 05.5 +1.3			
KHLU	Kahalu u comp=Z,81nm,1.8s	39.27 27 eP	P	09 46 05.8 0.0			
MLOA	Mauna Loa Obse comp=Z,185nm,1.4s	39.36 28 eP	P	09 46 06.5 -0.5			
HUH	Hualalai comp=Z,232nm,1.5s	39.37 27 eP	P	09 46 05.5 -1.5			
HMH	Humu'ula Sheep comp=Z,174nm,1.3s	39.46 28 eP	P	09 46 06.1 -1.6			
POHA	Pohakuloa comp=Z,211nm,1.1s	39.57 28 eP	P	09 46 07.4 -1.2			
HPAH	Hawaii Prepapa comp=Z,62nm,1.0s	39.74 27 eP	P	09 46 09.2 -0.6			
MHA	Mahukona	39.79 27 eP	P	09 46 08.7 -1.3			
MHA	Mahukona	39.79 27 eP	P	09 46 08.7 -1.3			
WAKE	Wake Island comp=Z,295nm,1.9s	39.79 330 eP	P	09 46 09.5 -0.7			
KEKH	Kekaha comp=Z,116nm,1.1s	39.94 21 eP	P	09 46 08.6 -2.8			
KIP	Kipapa	40.04 23 eP	P	09 46 12.8 +0.7			
KIP	Kipapa	40.04 23 eP	P	09 46 12.8 +0.7			
CMOA	Cobar Meteorol baz=40,SNR=8	40.09 240 P	P	09 46 12.1 -0.4			
COEN	Coen comp=Z,51nm,0.7s	41.62 267 P	P	09 46 25.0 -0.4			
COEN	Coen baz=42,SNR=27	41.62 267 P	P	09 46 26.9 +1.5			
TOO	Tooolangi comp=Z,106nm,1.1s	41.98 231 eP	P	09 46 27.6 -0.5			
TOO	Tooolangi	41.98 231 P	P	09 46 28.0 -0.2			
TOO	Tooolangi	41.98 231 eP	P	09 46 27.6 -0.5			
TAU	Tasmania Unive comp=Z,61nm,1.2s	42.83 223 eP	P	09 46 34.6 -0.2			
TAU	Tasmania Unive	42.83 223 eP	P	09 46 34.6 -0.2			
STKA	Stevens Creek comp=Z,80nm,0.9s,baz=90,slow=8.6,SNR=78	43.57 240 eP	P	09 46 41.0 -0.1			
STKA	Stevens Creek comp=Z,12nm,0.8s,baz=45,slow=7.4,SNR=2.8	43.57 240 eP	P	09 46 41.3 +0.3			
STKA	Stevens Creek comp=Z,34nm,1.1s	43.57 240 eP	P	09 46 41.3 +0.3			
QIS	Mount Isa	44.47 257 P	P	09 46 49.2 +0.8			
ARPS	Mount Apolloe baz=45,SNR=8.3	44.51 233 P	P	09 46 48.3 -0.2			
HTT	Hallett baz=46,SNR=24	46.08 239 P	P	09 47 00.8 -0.2			
JAY	Jayapura	46.72 282 P	P	09 47 07.5 +1.2			
GENI	Genyema	47.20 281 P	P	09 47 11.8 +1.8			
BBOO	Buckleboo comp=Z,90nm,0.9s	48.34 240 eP	P	09 47 18.3 -0.4			
BBOO	Buckleboo baz=48,SNR=27	48.34 240 P	P	09 47 18.1 -0.5			
WC3	Warramunga Arr comp=Z,900nm,18.0s	49.40 257 PFAKE	LR	09 47 40.0 +1.3			
WRB	Warramunga Arr comp=Z,152nm,1.2s	49.42 257 eP	P	09 47 27.0 -0.1			
WRB	Tennant Creek comp=Z,129nm,1.2s	49.43 257 eP	P	09 47 26.9 -0.2			
WRAB	Tennant Creek comp=Z,88nm,1.1s	49.43 257 dIP	P	09 47 26.6 -0.5			
WRA	Warramunga Arr comp=Z,67nm,0.8s,baz=89,slow=8.4,SNR=138	49.44 257 P	P	09 47 27.1 -0.1			
WRA	Warramunga Arr comp=Z,2.3nm,0.9s,baz=91,slow=14,SNR=2.8	49.44 257 P	P	09 54 26.6 -4.2			
AS31	Alice Springs comp=Z,96nm,0.7s	49.68 252 eP	P	09 47 29.1 0.0			
ASAR	Alice Springs comp=Z,444nm,0.7s,baz=86,slow=8.2,SNR=1233	49.68 252 eP	P	09 47 28.7 -0.3			
ASAR	Alice Springs comp=Z,5.8nm,1.0s,baz=87,slow=15,SNR=14	49.68 252 eP	P	09 54 30.4 -3.9			
ASAR	Alice Springs comp=Z,1.1nm,1.0s,baz=169,slow=0.6,SNR=4.0	49.68 252 eP	P	10 18 23.8 -3.1			
BAKI	Biak	51.50 281 P	P	09 47 44.5 +1.7			
KDU	Kakadu	52.11 266 P	P	09 47 47.7 +0.4			
MTN	Manton Dam comp=Z,131nm,1.3s	53.37 266 eP	P	09 47 53.8 -2.8			
MTN	Manton Dam baz=54,SNR=15	53.37 266 P	P	09 47 56.7 +0.1			
FAKI	Fak Fak comp=Z,176nm,1.6s	54.63 278 eP	P	09 48 06.2 +0.3			
WRKA	Warakurna baz=55,SNR=258	54.76 250 P	P	09 48 06.2 -0.5			
FORT	Forrest comp=Z,148nm,1.3s	54.96 243 eP	P	09 48 07.4 -0.6			
FORT	Forrest baz=55,SNR=50	54.96 243 P	P	09 48 07.2 -0.8			
KNRA	Kununurra baz=55,SNR=7.5	55.18 262 P	P	09 48 09.9 +0.1			
SWI	Sorong	56.19 280 P	P	09 48 18.4 +1.3			
SWI	Sorong comp=Z,300nm,0.7s	56.19 280 P	P	09 48 17.8 +0.7			
SWI	Namlea comp=Z,10nm,0.8s,comp=Z,4um	56.19 280 P	P	09 48 40.4 +0.4			
LBMI	Labuha	59.83 279 P	P	09 48 42.6 0.0			
KMBL	Kambalda baz=60,SNR=11	60.26 243 P	P	09 48 44.4 -1.0			
TNTI	Ternate	60.40 280 PFAKE	LR	09 49 00.0 +1.4			
SOEI	Soe comp=Z,100nm,20.0s	60.58 268 eP	P	09 48 48.8 +1.0			
SOEI	Soe comp=Z,164nm,1.0s	60.58 268 eP	P	09 48 49.8 +2.0			
SANI	Sanana comp=Z,111nm,1.0s,comp=Z,1um	60.86 277 P	P	09 48 48.3 -1.3			
PSAD2	Pilbara Seismi comp=Z,149nm,0.8s	62.67 254 eP	P	09 49 02.0 +0.3			
PSAC2	Pilbara Seismi comp=Z,155nm,0.7s	62.73 254 eP	P	09 48 50.8 -1.1			
PSAB2	Pilbara Seismi comp=Z,160nm,0.7s	62.77 254 eP	P	09 49 02.7 +0.3			
PSAA3	Pilbara Seismi comp=Z,160nm,0.7s	62.77 254 eP	P	09 49 02.7 +0.2			
PSA00	Pilbara Seismi comp=Z,160nm,0.7s	62.81 254 eP	P	09 49 03.0 +0.3			
PSADI	Pilbara Seismi comp=Z,169nm,0.7s	62.81 254 eP	P	09 49 03.0 +0.3			
SBA	Scott Base	62.88 185 eP	P	09 49 04.2 +2.1			
SBA	Scott Base	62.88 185 eP	P	09 49 04.2 +2.1			

VNDA	Vanda comp=Z,64nm,1.0s,baz=6.9,slow=6.8,SNR=231	63.00 186 P	P	09 49 04.8 +1.9			
VNDA	Vanda comp=Z,117nm,1.1s	63.00 186 eP	P	09 49 05.2 +2.3			
VNDA	Vanda comp=Z,117nm,1.1s	63.00 186 eP	P	09 49 05.2 +2.3			
MNI	Manado	63.01 280 P	P	09 49 03.6 -0.4			
MNI	Manado comp=Z,146nm,1.0s	63.01 280 P	P	09 49 05.4 +0.9			
SGSI	Sangihe	63.08 283 P	P	09 49 05.7 -0.3			
EDFI	Ede, Flores	63.28 268 P	P	09 49 05.7 -0.6			
MEEK	Meekatharra baz=64,SNR=34	63.37 248 P	P	09 49 08.6 -0.3			
KLBR	Kellerberrin baz=64,SNR=20	63.78 242 P	P	09 49 10.6 -0.7			
NWAO	Narrogin (SRO) comp=Z,229nm,1.5s	64.15 241 eP	P	09 49 11.4 0.0			
NWAO	Narrogin (SRO) comp=Z,229nm,1.5s	64.15 241 eP	P	09 49 10.6 -0.7			
NWAO	Narrogin (SRO) comp=Z,229nm,1.5s	64.15 241 eP	P	09 49 10.6 -0.7			
DAV	Davao City (W) comp=Z,134nm,0.9s	64.20 286 P	P	09 49 12.9 +1.0			
LUWI	Luwuk	64.23 277 eP	P	09 49 12.0 -0.1			
LUWI	Luwuk	64.23 277 P	P	09 49 12.7 +0.6			
BLDU	Ballidu baz=65,SNR=29	64.73 243 P	P	09 49 14.9 -0.3			
MUN	Mundaring baz=65,SNR=17	65.07 242 P	P	09 49 17.4 +0.1			
APSI	Ampana comp=Z,11nm,1.3s	65.34 276 P	P	09 49 20.7 +1.4			
MORW	Morawa	65.43 245 eP	P	09 49 19.2 -0.5			
MORW	Morawa baz=66,SNR=24	65.43 245 P	P	09 49 19.2 -0.5			
MRSI	Marisa	65.47 278 P	P	09 49 21.1 +0.9			
KAPI	Kappa	66.05 271 eP	P	09 49 22.8 -1.1			
KAPI	Kappang	66.05 271 eP	P	09 49 22.8 -1.1			
SPSI	Sidrap Palu comp=Z,22nm,1.0s	66.30 273 P	P	09 49 25.6 +0.1			
TTSI	Tana Toraja	66.50 274 P	P	09 49 26.9 +0.1			
PLAI	Plampang	67.03 267 P	P	09 49 30.0 -0.1			
ADK	Adak comp=Z,128nm,1.5s	67.39 358 eP	P	09 49 31.1 -0.4			
ADK	Adak	67.39 358 eP	P	09 49 31.2 -0.4			
GIRL	Giralia comp=Z,168nm,0.9s	67.80 252 eP	P	09 49 36.1 +1.2			
GIRL	Giralia baz=68,SNR=14	67.80 252 P	P	09 49 36.0 +1.2			
INU	Inuyama	68.98 318 PFAKE	LR	09 49 50.0 +8.1			
INU	Inuyama comp=Z,300nm,21.0s	68.99 320 P	P	09 49 42.4 +0.4			
MJAR	Matsushiro Arr comp=Z,2.7nm,0.5s,baz=152,slow=5.8,SNR=10	68.99 320 P	P	10 15 56.2			
MJAR	Matsushiro Arr comp=Z,106nm,20.4s,baz=125,slow=32	68.99 320 P	P	10 17 54.4			
MAJO	Matsushiro	68.99 320 eP	P	09 49 42.4 +0.3			
MAJO	Matsushiro	68.99 320 eP	P	09 49 42.6 +0.6			
MAT	Matsushiro	68.99 320 eP	P	09 49 42.6 +0.6			
MAT	Matsushiro	68.99 320 eP	P	09 58 38.4 -4.5			
MJB9	Matsu-Tunnel comp=Z,95nm,1.3s	68.99 320 eP	P	09 49 41.0 -1.0			
CASY	Casey comp=Z,108nm,1.1s	69.95 205 eP	P	09 49 46.1 -1.4			
KUR	Kuril'sk	69.97 332 eP	P	09 49 47.7 -0.1			
KUR	Kuril'sk	69.97 332 eP	P	09 58 53.0 -1.0			
JAGI	Jajag, Banyuwana comp=Z,157nm,0.8s	70.59 266 eP	P	09 49 51.3 -1.1			
JAGI	Jajag, Banyuwana comp=Z,157nm,0.8s	70.59 266 P	P	09 49 51.4 -1.0			
SCZ1	Santa Cruz Isl baz=235,SNR=11	71.41 45 P	P	09 49 58.2 +1.2			
SC12	San Clemente I baz=236,SNR=10	71.59 47 P	P	09 49 59.4 +1.4			
SBC	San Barbara baz=235,SNR=6.2	71.61 45 P	P	09 49 59.4 +1.4			
MCCM	Marconi Center comp=Z,108nm,0.9s	71.75 40 eP	P	09 50 00.7 +2.0			
JNU	Nakatsu comp=Z,178nm,2.0s	71.79 313 eP	P	09 49 59.1 -0.1			
PKM	Mpherson Peak baz=235,SNR=17	71.80 44 P	P	09 50 01.0 +1.6			
SAO	San Andreas Ge comp=Z,53nm,1.1s	71.81 42 eP	P	09 49 58.6 -0.6			
SAO	San Andreas Ge	71.81 42 eP	P	09 49 58.6 -0.6			
BLG	Laguna Peak, P baz=236	71.86 45 P	P	09 50 00.8 +1.2			
SMMC	Simmler baz=235,SNR=12	71.92 44 P	P	09 50 01.7 +1.7			
CIS	Catalina Islan baz=235,SNR=9.9	71.92 46 P	P	09 50 01.0 +1.0			
PAGB	Antelope Grade comp=Z,104nm,1.5s	71.99 43 eP	P	09 50 01.1 -0.2			
HOPS	Hopland Field comp=Z,129nm,1.1s	72.15 39 eP	P	09 50 00.7 -0.5			
FMP	Fort Macarthur baz=236	72.17 46 P	P	09 50 02.7 +1.2			
GDXM	Geysers comp=Z,74nm,1.4s	72.21 40 eP	P	09 50 03.6 +2.0			
KCPM	Caito Beal comp=Z,86nm,1.1s	72.28 38 eP	P	09 50 01.1 -1.0			
OSI	Ostio Audit: C comp=Z,28nm,1.1s	72.38 45 PFAKE	LR	09 50 10.0 +7.3			
OSI	Ostio Audit: C comp=Z,500nm,18.0s	72.38 45 P	P	09 50 04.0 +1.2			
OSI	Ostio Audit: C baz=236	72.38 45 P	P	09 50 04.2 +1.0			
DECC	Green Verdugo baz=236	72.45 46 P	P	09 50 05.0 +1.6			
PASC	Pasadena Art C comp=Z,125nm,1.6s	72.50 46 eP	P	09 50 03.7 +0.7			
PET	Petrovavlovsk comp=Z,89nm,1.2s	72.51 343 eP	P	09 50 01.9 -1.1			
PET	Petrovavlovsk comp=Z,89nm,1.2s	72.51 343 eP	P	09 50 21.9 -1.2			
PET	Petrovavlovsk comp=Z,61nm,1.1s	72.62 46 eP	P	09 50 05.0 +0.7			
PET	Petrovavlovsk comp=Z,300nm,20.0s	72.62 46 eP	P	09 50 04.0 +0.4			
KMRM	Mali Ridge comp=Z,238nm,0.8s	72.54 38 eP	P	09 50 04.8 +1.1			
109C	Camp Elliot, M baz=237	72.56 47 P	P	09 50 03.1 -0.7			
CPE	Camp Elliot comp=Z,31nm,1.0s	72.56 47 P	P	09 50 05.1 +1.1			
ARVC							

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like PEL Peldehue, U40A Yellville, CCAR Cane Creek, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like F38A Pierce - Schro, U46A Springville, 149A Jones, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like X53A Estanollee, P49A Miami Univ. Ec, R50A Paris, etc.

Table with columns: ID, Station Name, Azimuth, Phase, Time, Res. Includes stations like IPOC Station P, Peldehue, Chusmiza, Huala, Villa Florida, etc.

ISK 02 09:40:49.6, 39.72N, 0.30E, h8km, ML2.0/B, Suspected Mining explosion.
ISC/JB 02 09:40:50.5, 0.4, 39.71N, 0.02, 30.68E, 0.04, h0km, Error ellipse: s-maj=4.9km s-min=3.0km az=151.5

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Eskisehir, Saricakaya, Cifteeri, Kirka-Seiyitga, etc.

ROM 02 09:56:10.7, 0.1, 43.443N, 0.006, 13.13E, 0.01, h9km, ML1.7/13, Error ellipse: s-maj=1.1km s-min=0.3km az=52.0, Central Italy

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

Table with columns: ID, Station Name, Azimuth, Phase, Time, Res. Includes stations like CING, Elicito, Arcevia, Corinaldo, Fossombrone, etc.

Table with columns: ID, Station Name, Azimuth, Phase, Time, Res. Includes stations like NARO, Pietra, Parchiele, etc.

MAN 02 10:22:42.1, 11.08N, 122.08E, h1km, mb4.5, ML3.4, MS3.2, 1C-2D, Panay

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Jordan, GUM, CUYO, etc.

Table with columns: ID, Station Name, Azimuth, Phase, Time, Res. Includes stations like PARC, GUALDO, GUMA, etc.

IDC 02 10:21:16.2, 1.2, 2.33N, 73.94W, h0km, mb3.3/1, mb1 3.8/5, mb1mx3.5/32, mbmp3.8/5, ML3.0/4, Error ellipse: s-maj=42.2km s-min=18.5km az=89.0

RSNC 02 10:21:16.7, 1.2, 2.55N, 0.03, 73.53W, 0.03, h5km, 9km, n36, c177/59, 2C-7D, Colombia

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

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

MAN 02 10:22:42.1, 11.08N, 122.08E, h1km, mb4.5, ML3.4, MS3.2, 1C-2D, Panay

Table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like Jordan, GUM, CUYO, etc.

Table with columns: BusP, Coron, 2.06 297 eP, P, 10 23 20.3 -0.2, etc.

GEN 02 10:43:50.5, 44.18N, 10.19E, h3km, MLO.6
ROM 02 10:43:49.8-0.1, 44.178N, 0.006, 10.180E, 0.009, h8km, ML1.0, Error ellipse: s-maj=0.7km s-min=0.6km az=167.0, Northern Italy

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

ROM 02 10:44:16.1±0.1, 38.139N, 0.010, 15.849E, 0.009, h9km, ML1.5, Error ellipse: s-maj=1.3km s-min=0.4km az=35.0, Sicily

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

HLW 02 10:45:16.2, 40.17N, 21.41E, h10km, 31km, M4.5, M15.4
BUJ 02 10:45:20.0, 40.10N, 21.90E, h10km, mb5.0/39, mb5.1/27, Ms4.7/19, Ms7.4/17

MOS 02 10:45:21.3±0.9, 40.12N, 21.83E, h16km, mb4.9/51, MS4.4/8, Error ellipse: s-maj=3.6km s-min=2.4km az=91.5
GII 02 10:45:21.4, 40.02N, 21.66E, h5km
ATH 02 10:45:21.4, 40.12N, 21.85E, h22km, ML4.7/7, Error ellipse: s-maj=1.1km s-min=0.7km az=325.0

NEIC 02 10:45:21.0±0.0, 40.12N, 21.85E, h22km, mb4.9/223, MW4.8, ML4.6(THE), ML4.7(ATH), Moment Tensor Solution, s21 Moment tensor: Scale 10^16N; Mrr=-1.67; Mss=1.24; Mss=0.43; Mrr=0.11; Mss=1.03; Mrr=0.43; Best double couple: Mo=1.90000e+10 N^2, NP1=221.00000e+03, s49.00000e+03, lambda=110.00000e+03, NP2=71.00000e+03, s45.00000e+03, lambda=68.00000e+03. Principal axes: T 1.9500, Plg2.0000e+03, Azm325.0000e+03; N -0.1600, Plg15.0000e+03, Azm235.0000e+03; P -1.7900, Plg74.0000e+03, Azm64.0000e+03; After ATH, NEIC Felt at Kozani and Thessaloniki.

ISCJB 02 10:45:22.8±0.2, 40.125N, 0.009, 21.82E, 0.01, h27km, 1km, mb4.8/249, MS4.1/22 Error ellipse: s-maj=1.7km s-min=1.2km az=37.2
SKO 02 10:45:22.5, 40.11N, 21.81E, h13km, M4.0, ML4.8
THE 02 10:45:22.1, 40.12N, 21.85E, h8km, ML4.6/13, Error ellipse: s-maj=0.5km s-min=0.3km az=318.0
PDG 02 10:45:22.3±0.4, 40.11N, 21.89E, h13km, MD5.0/13, ML4.9/11, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0
MED_RC 02 10:45:22.0±0.4, 40.03N, 21.74E, h18km, 1km, MW4.9/13, Moment Tensor Solution, Mantle waves: s13, c20; Duration: 1s1 Moment tensor: Scale 10^16N; Mrr=-2.68±.35; Mss=2.18±.22; Mss=0.50±.21; Mrr=0.94±.38; Mss=1.51±.14; Mrr=0.32±.51; Best double couple: Mo=3.04000e+10 N^2, NP1=64.00000e+03, s55.00000e+03, lambda=85.00000e+03, NP2=235.00000e+03, s36.00000e+03, lambda=98.00000e+03. Principal axes: T 3.2900, Plg9.0000e+03, Azm150.0000e+03; N -0.3700, Plg4.0000e+03, Azm241.0000e+03; P -2.8600, Plg80.0000e+03, Azm356.0000e+03; nst1 refers to body waves, nst2 refers to surface waves, cutoff=35s.
BEO 02 10:45:22.3±0.5, 40.07N, 21.93E, h11km, 3km, ML4.6/8
GCMT 02 10:45:23.0±0.3, 39.97N, 0.03, 21.74E, 0.03, h28km, MW5.1/70, Moment Tensor Solution, s24, c31; s70, c88; Duration: 0 Moment tensor: Scale 10^16N; Mrr=4.75±.35; Mss=2.71±.25; Mss=2.04±.22; Mss=1.52±.36; Mss=2.21±.11; Mss=0.20±.30; Best double couple: Mo=4.91500e+10 N^2, NP1=62.00000e+03, s52.00000e+03, lambda=75.00000e+03, NP2=218.00000e+03, s40.00000e+03, lambda=109.00000e+03. Principal axes: T 4.7240, Plg0.0000e+03, Azm114.0000e+03, NP1=38.10, Plg12.0000e+03, Azm232.0000e+03, NP2=1.060, Plg76.0000e+03, Azm23.0000e+03; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rater function

TIR 02 10:45:23.6, 40.22N, 21.86E, h20km, M4.7/9
IDC 02 10:45:24.9±1.5, 40.09N, 21.81E, h35km, 12km, mb4.4/33, mb1.4/548, mb1mx4.4/52, mbtmp4.5/48, ML4.3/11, MS3.9/27, Ms1 3.9/27, Ms1mx3.8/49, Error ellipse: s-maj=8.4km s-min=8.0km az=151.0
SOF 02 10:45:25.5, 40.35N, 22.20E, h2km
ISC 02 10:45:22.1±0.7, 40.12N, 0.01, 21.84E, 0.01, h13km, 4km, n1268, r1544/1413, mb4.9/249, MS4.2/24, 52C-34D, Greece

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

Table with columns: TPE, SRN, Sarande, 1.44 261 iSN, Sg, 10 46 11.5 +3.8, etc.

HCY	Herceg Novi	3.43 314	ePn	Pn	10 46 17.4 +2.2
SJES	Sjenica	3.44 337	ePn	Pn	10 46 17.1 +1.7
NKY	Niksic	3.44 322	i/Pn	Pn	10 46 17.2 +1.8
NKY	Niksic	3.44 322	eSn	Pn	10 46 59.2 +3.2
NKY	Niksic	3.44 322	P	Pn	10 46 17.1 +1.7
NKY	Niksic	3.44 322	ePn	Pn	10 46 17.1 +1.7
EZN	Ezine	3.46 93	P	Pn	10 46 16.3 +0.7
EZN	Ezine	3.46 93	i/P	Pn	10 46 16.3 +0.7
EZN	Ezine	3.46 93	P	Pn	10 46 16.2 +0.7
FASA	Fasano	3.50 283	ePn	Pn	10 46 17.4 +1.3
TAR1	Taranto	3.51 278	ePn	Pn	10 46 17.4 +1.3
TAR1	Taranto	3.51 278	ePn	Pn	10 46 17.4 +1.3
BOVS	Bovan	3.51 358	ePn	Pn	10 46 17.0 +0.7
MPEP	Malo Peshtene	3.53 23	P	Pn	10 46 18.2 +1.6
GELI	Tayfur-Gelibol	3.55 84	P	Pn	10 46 18.1 +1.2
MASS	Massafra	3.63 280	ePn	Pn	10 46 20.5 +2.6
BAYC	CANAKKALE_Bayr	3.64 95	i/S	Pn	10 46 19.4 +1.4
BAYC	CANAKKALE_Bayr	3.64 95	i/S	Pn	10 46 59.2 -1.5
comp=Z,9um,0.3s					
IVAS	Ivanjica	3.67 340	ePn	Pn	10 46 19.5 +0.9
TREB	Trebinje	3.69 316	ePn	Pn	10 46 20.9 +2.1
PLE	Piljevlja	3.69 331	i/Pn	Pn	10 46 21.2 +2.3
PLE	Piljevlja	3.69 331	eSn	Pn	10 46 05.4 +3.0
PLE	Piljevlja	3.69 331	P	Pn	10 46 21.2 +2.3
PLE	Piljevlja	3.69 331	P	Pn	10 46 05.0 +2.6
CHOS	Chios Island	3.70 117	P	Pn	10 46 19.8 +0.8
CHOS	Chios Island	3.70 117	P	Pn	10 46 20.9 +1.0
BRY	Bratogost	3.72 319	i/Pn	Pn	10 46 21.5 +2.1
BRY	Bratogost	3.72 319	eSn	Pn	10 46 06.5 +3.4
BRY	Bratogost	3.72 319	P	Pn	10 46 21.4 +2.1
BRY	Bratogost	3.72 319	P	Pn	10 46 06.0 +2.9
BRY	Bratogost	3.72 319	P	Pn	10 46 21.2 +1.8
BRY	Bratogost	3.72 319	P	Pn	10 46 21.5 +1.5
KESN	Edirne-Kesan	3.75 78	i/S	Pn	10 47 04.0 -0.2
IAML_P					
comp=Z,2um,0.3s					
DBRK	Dubrovnik	3.77 314	i/Pn	Pn	10 46 21.5 +1.6
DBRK	Dubrovnik	3.77 314	i/Pn	Pn	10 46 21.5 +1.6
LPK	Lapski	3.77 85	ePn	Pn	10 46 21.1 +1.2
UPM	Unac-Piva	3.78 325	i/Pn	Pn	10 46 22.5 +2.3
UPM	Unac-Piva	3.78 325	eSn	Pn	10 47 07.8 +3.1
UPM	Unac-Piva	3.78 325	ePn	Pn	10 46 23.1 +2.9
AYVA	Ayvalik	3.83 101	i/P	Pn	10 46 22.6 +2.0
AYVA	Ayvalik	3.83 101	i/S	Pn	10 46 59.7 -5.7
IAML_P					
comp=Z,2um,0.4s					
GRUS	Gruza	3.86 344	ePn	Pn	10 46 22.3 +1.3
BAI	Bar	3.91 286	i/Pn	Pn	10 46 23.0 +1.3
MATE	Matera	3.92 279	ePn	Pn	10 46 24.2 +1.0
SG1	Sgolgore (BA)	4.00 282	i/Pn	Pn	10 46 24.1 +1.0
TIP	Timpargane	4.04 258	ePn	Pn	10 46 24.5 +0.9
TIP	Timpargane	4.04 258	eSn	Pn	10 47 13.8 +3.1
DKL	Dikili	4.05 103	ePn	Pn	10 46 24.9 +1.2
PVL1	Pavlikeni	4.05 39	i/P	Pn	10 46 25.1 +1.4
URLA	Uzmir	4.09 114	i/P	Pn	10 46 25.2 +0.9
URLA	Izmir	4.09 114	i/P	Pn	10 46 26.7 +2.5
EDRB	Edirne	4.09 64	ePn	Pn	10 46 25.7 +1.5
RKY	Sarkoy-Tekirda	4.11 80	ePn	Pn	10 46 25.7 +1.1
SART	Tekirdag	4.11 80	i/P	Pn	10 46 26.4 +1.8
SART	Tekirdag	4.11 80	i/S	Pn	10 47 06.6 -0.0
IAML_P					
comp=Z,4um,0.3s					
STON	Ston	4.15 313	ePn	Pn	10 46 26.1 +1.0
STON	Ston	4.15 313	ePn	Pn	10 46 27.1 +2.1
STON	Ston	4.15 313	ePn	Pn	10 47 14.9 +1.6
STON	Ston	4.15 313	ePn	Pn	10 46 25.8 +0.7
BBLs	Lazi#263;i	4.16 335	ePn	Pn	10 46 26.4 +1.1
BBLs	Lazi#263;i	4.16 335	ePn	Pn	10 46 26.4 +1.1
APE	Apeiranthos	4.20 135	ePn	Pn	10 46 27.2 +1.4
APE	Apeiranthos	4.20 135	i/P	Pn	10 46 27.2 +1.4
APE	Apeiranthos	4.20 135	ePn	Pn	10 46 27.5 +1.4
DIVS	Divibare	4.21 341	ePn	Pn	10 46 27.5 +1.6
DIVS	Divibare	4.21 341	ePn	Pn	10 46 26.8 +0.9
ZEDA	zmir-Bergama	4.21 104	i/P	Pn	10 46 28.0 +2.1
ZEDA	zmir-Bergama	4.21 104	i/S	Pn	10 47 14.8 -0.0
PVUS	Trudelj	4.24 346	ePn	Pn	10 46 30.1 +5.3
JMB	Yambol	4.27 55	P	Pn	10 46 27.4 +0.7
KUBS	Kucevo	4.29 358	ePn	Pn	10 46 28.6 +1.6
KIRK	Kirkilareli	4.31 66	i/P	Pn	10 46 28.2 +1.0
KIRK	Kirkilareli	4.31 66	i/S	Pn	10 47 33.7 +4.2
VLAD	Vladia	4.32 25	i/P	Pn	10 46 29.7 +2.3
BLB	Balcova	4.38 112	ePn	Pn	10 46 30.3 +1.9
GONE	Gonen-Balikesi	4.42 88	ePn	Pn	10 46 30.9 +1.3
HAPS	Han Pijesak,BI	4.51 332	ePn	Pn	10 46 31.1 +1.0
PHSR	Pinarhisar	4.56 69	ePn	Pn	10 46 32.2 +1.5
PHSR	Pinarhisar	4.56 69	i/P	Pn	10 46 31.4 +0.7
STEP	BALIKESIR_Sava	4.59 97	i/S	Pn	10 46 34.0 +2.9
STEP	BALIKESIR_Sava	4.59 97	i/S	Pn	10 47 26.7 +2.4
IAML_P					
comp=Z,8um,0.5s					
EDC	Edincik	4.61 85	ePn	Pn	10 46 32.4 +1.0
EDC	Edincik	4.61 85	P	Pn	10 46 32.4 +1.0
SRE	Strehaia	4.65 12	i/P	Pn	10 46 33.1 +1.8
SRE	Strehaia	4.65 12	P	Pn	10 46 34.0 +2.1
MDRV	Moldovita	4.66 359	i/P	Pn	10 46 33.6 +1.5
BALB	Balikesir	4.67 94	ePn	Pn	10 46 32.9 +0.7
BALB	Balikesir	4.67 94	ePn	Pn	10 46 33.6 +1.4
ELB	Elbasan	4.70 34	ePn	Pn	10 47 29.7 +0.8
TEKS	Tekeris	4.75 340	ePn	Pn	10 46 34.7 +1.4
TEKS	Tekeris	4.75 340	ePn	Pn	10 46 34.5 +1.2
HERR	Herculane	4.77 5	i/P	Pn	10 46 34.7 +1.0
AKHS	Akhisar	4.78 103	i/P	Pn	10 46 37.2 +3.4
IAML_P					
comp=Z,2um,0.4s					
BEO	Beograd	4.79 348	P	Pn	10 46 35.7 +1.8
MAKA	Makarska	4.80 313	i/Pn	Pn	10 46 35.2 +1.2
MAKA	Makarska	4.80 313	eSn	Pn	10 47 28.5 -0.9
GAM	G7zele	4.85 118	ePn	Pn	10 46 36.1 +1.4
IMMV	Iera Moni Meta	4.93 112	ePn	Pn	10 46 35.7 +1.8
HUMR	Humele	4.98 27	i/P	Pn	10 46 38.3 +1.8
CEL	Celeste	4.98 250	ePn	Pn	10 46 36.9 +3.0
CEL	Celeste	4.98 250	eSn	Pn	10 47 31.4 -2.6
KCTX	Karacabey (Bur	4.99 86	ePn	Pn	10 46 37.7 +1.1
DURS	Durancay	5.13 94	i/P	Pn	10 46 41.5 +2.9
DURS	Durancay	5.13 94	i/S	Pn	10 47 35.5 -2.2
IAML_P					
comp=Z,2um,0.4s					
PRD	Provincia	5.17 52	P	Pn	10 46 42.0 +2.9
PRD	Provincia	5.17 52	P	Pn	10 46 40.7 +1.6
AYD	Zeytinkey-Aydi	5.18 119	ePn	Pn	10 46 41.3 +2.8
CTKS	Kestanelik-?za	5.19 75	ePn	Pn	10 46 40.7 +1.4
GOLR	Golubac	5.25 25	i/P	Pn	10 46 43.1 +2.9
FRGS	Fruska Gora	5.25 344	ePn	Pn	10 46 41.4 +1.2
FRGS	Fruska Gora	5.25 344	eSn	Pn	10 47 40.8 +0.2
FRGS	Fruska Gora	5.25 344	ePn	Pn	10 46 40.7 +0.5
BODT	Bodrum	5.26 124	ePn	Pn	10 46 41.9 +1.1
AVR	AVREN	5.29 54	ePn	Pn	10 46 42.2 +1.4
AYDN	Tasuluk	5.31 116	i/P	Pn	10 46 44.3 +3.2
GZR	Gura Zlata	5.31 7	i/P	Pn	10 46 42.6 +1.5
GZR	Gura Zlata	5.31 7	P	Pn	10 46 42.0 +0.9
EGCKT	Bozgekoy	5.38 76	ePn	Pn	10 46 43.5 +1.6
DOB	Dobol	5.38 330	ePn	Pn	10 46 48.3 +3.4
ARMT	Armutlu	5.38 83	ePn	Pn	10 46 43.8 +1.8
IDI	Anoyia	5.40 152	ePn	Pn	10 46 45.3 +3.0
IDI	Anoyia	5.40 152	ePn	Pn	10 46 43.6 +1.3
IAML_P					
comp=Z,5.6nm,0.3s,baz=252,slow=11,SNR=22					
IDI	Anoyia	5.40 152	ePn	Pn	10 47 43.8 -0.5
comp=Z,1.1nm,0.3s,baz=252,slow=19,SNR=2.6					
MANT	Manisa	5.46 105	ePn	Pn	10 46 43.4 +0.1
MANT	Manisa	5.46 105	ePn	Pn	10 46 46.1 +2.9
IAML_P					
comp=Z,2um,0.3s					
BZS	Buzias	5.49 358	P	Pn	10 46 44.3 +0.8
BZS	Buzias	5.49 358	P	Pn	10 46 44.3 +0.8
pmax					
comp=Z,140nm,0.9s					
LOT	Lotru	5.51 14	ePn	Pn	10 46 46.3 +2.5
KULA	Kula-Manisa	5.52 105	ePn	Pn	10 46 45.6 +1.5
ISK	Istanbul-Kandi	5.57 78	P	Pn	10 46 45.6 +0.9
ISK	Istanbul-Kandi	5.57 78	P	Pn	10 46 45.5 +0.9
KAVV	Kandilli-Istan	5.57 78	P	Pn	10 46 46.6 +2.0
ULDT	Uludag	5.59 87	i/P	Pn	10 46 47.4 +2.4
IAML_P					
comp=Z,2um,0.3s					
BUY	Buyukada	5.59 80	ePn	Pn	10 46 45.8 +0.9
BUY	Buyukada	5.59 80	i/P	Pn	10 46 48.1 +3.2
IAML_P					
comp=Z,816nm,0.3s					
SULR	Kijevo	5.60 34	i/Pn	Pn	10 46 47.9 +2.9
KJVJ	Kijevo	5.61 316	i/Pn	Pn	10 46 46.6 +1.5
KJVJ	Kijevo	5.61 316	i/Sn	Pn	10 47 49.1 -0.2

DAT	Dataca	5.63 125	ePn	Pn	10 46 47.1 +1.5
BLY	Banja Luka	5.77 325	ePn	Pn	10 46 49.1 +1.8
BLY	Banja Luka	5.77 325	eSn	Pn	10 47 54.6 +1.3
BLY	Banja Luka	5.77 325	i/Pn	Pn	10 46 49.4 +2.1
BLY	Banja Luka	5.77 325	ePn	Pn	10 46 48.9 +1.6
VLV	Valovo	5.77 83	ePn	Pn	10 46 48.4 +2.0
YLV	Yalova	5.77 83	i/P	Pn	10 46 48.9 +1.5
DEV	Deva	5.81 7	i/P	Pn	10 46 50.8 +2.9
VOIR	Voivodina	5.81 23	i/P	Pn	10 46 49.7 +1.7
VOIR	Voivodina	5.81 23	P	Pn	10 46 50.0 +2.0
pmax					
comp=Z,74nm,0.7s					
SECR	Srebrenica	5.81 31	i/P	Pn	10 46 50.6 +2.6
ZIRJ	Zirje	5.82 309	i/Pn	Pn	10 46 48.8 +0.8
ZIRJ	Zirje	5.82 309	P	Pn	10 47 53.3 -1.2
MORI	Morici	5.91 31	ePn	Pn	10 46 50.9 +1.7
MORI	Morici	5.91 31	eSn	Pn	10 47 56.0 -0.7
GDZ	Gezici	5.99 97	i/P	Pn	10 46 53.1 +2.6
GDZ	Gezici	5.99 97	i/P	Pn	10 46 53.1 +2.6
IAML_P					
comp=Z,3um,0.6s					
HRT	Herceke	6.01 81	ePn	Pn	10 46 52.4 +1.7
SILT	Sile	6.02 78	ePn	Pn	10 46 53.2 +2.5
ISR	Istrita	6.08 33	i/P	Pn	10 46 52.7 +1.9
ISR	Istrita	6.08 33	P	Pn	10 46 54.8 +3.2
ISR	Istrita	6.08 33	P	Pn	10 46 50.3 +1.4
SIRR	Siria	6.14 359	i/P	Pn	10 46 54.0 +1.5
MLR	Muntele Rosu	6.15 28	ePn	Pn	10 46 55.5 +2.7
comp=Z,1.0nm,0.3s,baz=238,slow=2.6,SNR=47					
MLR	Muntele Rosu	6.15 28	eSn	Pn	10 48 04.0 +1.0
comp=Z,0.5nm,0.3s,baz=228,slow=16,SNR=3.3					
MLR	Muntele Rosu	6.15 28	ePn	Pn	10 48 43.8
comp=Z,2.6nm,0.3s,baz=61,slow=15,SNR=3.5					
MLR	Muntele Rosu	6.15 28	i/Pn	Pn	10 46 54.3 +1.6
MLR	Muntele Rosu	6.15 28	i/Pn	Pn	10 46 55.6 +2.9
MLR	Muntele Rosu	6.15 28	ePn	Pn	10 46 54.3 +1.6
KHAL	Karahall	6.19 104	i/Pn	Pn	10 46 56.6 +3.4
KARF	Karpathos	6.21 136	ePn	Pn	10 46 54.2 +0.8
KARF	Karpathos	6.21 136	eSg	Pn	10 48 28.5 +9.3
UDBI	Udubina	6.30 316	ePn	Pn	10 46 56.6 +1.9
MFRU	Murfatlar	6.35 48	i/P	Pn	10 46 57.8 +2.5
DUGI	Dugi Otok	6.36 310	i/Pn	Pn	10 46 56.6 +1.1
VAE	Vaiugarnera	6.38 248	ePn	Pn	10 46 57.8 +2.0
comp=Z,1.2nm,0.3s,baz=105,slow=2.6,SNR=2.4					
VAE	Vaiugarnera	6.38 248	ePn	Pn	10 48 07.8 -0.7
comp=Z,5.1nm,0.3s,baz=49,slow=11,SNR=2.6					
VAE	Vaiugarnera	6.38 248	ePn	Pn	10 49 43.6
LR					
comp=Z,826nm,18.2s,baz=180,slow=40					
DOPR	Dopca	6.39 23	i/P	Pn	10 46 58.8 +2.9
TLB	Topalu	6.40 44	i/P	Pn	10 46 57.6 +1.6
HARR</					

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AKBB	Malin Array Si	11.77	24	ePn	Pn	10 48 10.0 +0.4
AKBB	Malin Array Si	11.77	24	eP	Pn	10 48 10.0 +0.4
AKASG	Malin Array Be	11.77	24	Pn	Pn	10 48 10.1 +0.5
comp=Z,0.7nm,0.3s,baz=211,slow=12,SNR=7.1						
AKASG					LR	10 52 52.6
comp=Z,771nm,18.9s,baz=200,slow=38						
NKC	Novy Kostel	12.08	330	eP	Pn	10 48 15.1 +1.3
NKC	Novy Kostel	12.08	330	ePn	Pn	10 48 15.1 +1.3
BRG	Berggiesshubel	12.09	335	eP	Pn	10 48 14.2 +0.3
comp=Z,11nm,1.3s						
BRG						10 48 18.8
comp=Z,35nm,1.2s						
BRG					S	10 50 29.0 +0.6
comp=N,4um,8.3s						
BRG	Berggiesshubel	12.09	335	eP	Pn	10 48 14.2 +0.3
BRG					S	10 50 29.0 +0.6
comp=Z,11nm,1.3s						
BRG					MLR	10 48 18.8
comp=N,4um,8.3s						
BNI	Bardonecchia	12.21	299	ePn	Pn	10 48 19.6 +3.9
SEINI	Lac Sarrasin/Sane	12.30	305	ePn	Pn	10 48 19.1 +2.2
STU	Stuttgart	12.49	318	ePn	Pn	10 48 19.2 -0.2
STU	Stuttgart	12.49	318	eP	Pn	10 48 19.2 -0.2
BFO	Black Forest	12.69	315	iP	Pn	10 48 22.8 +0.7
BFO	Black Forest	12.69	315	iP	Pn	10 48 23.4 +1.3
CLL	Collim	12.77	334	ePn	Pn	10 48 21.2 -1.9
CLL	Collim	12.77	334	eP	Pn	10 48 21.4 -1.9
CLL	Collim	12.77	334	e(P)	Pn	10 48 24.0 +0.9
CLL	Collim	12.77	334	iP	Pn	10 48 26.7 -7.5
comp=Z,23nm,1.3s						
CLL					MLR	10 48 33.0 +2.1
CLL					MLR	10 50 30.0
MMAI	Mount Meron Ar	12.99	119	Pn	Pn	10 48 28.3 +1.9
comp=Z,3.2nm,0.3s,baz=303,slow=11,SNR=13						
MMAI					LR	10 54 15.5
comp=Z,715nm,19.1s,baz=315,slow=41						
KSDI	Kefar Szold	13.06	118	Pn	Pn	10 48 28.4 +1.1
NATI	Netiv Atzev	13.07	117	Pn	Pn	10 48 29.1 +1.7
CABF	La Chapelle	13.16	305	eP	Pn	10 48 29.1 +0.5
CABF					MLR	10 48 29.1 +0.5
comp=Z,32nm,1.2s						
HINF	Hinterfeld	13.24	310	eP	Pn	10 48 29.9 +0.2
HINF					MLR	10 48 29.9 +0.2
comp=Z,13nm,0.8s						
GLL	Jalajah	13.27	139	P	Pn	10 48 30.1 0.0
baz=138						
ECH	Echery	13.27	312	ePn	Pn	10 48 27.1 -3.0
ECH	Echery	13.27	312	eP	Pn	10 48 32.1 +2.0
comp=Z,32nm,1.3s						
RSH		13.30	130	P	Pn	10 48 31.4 +0.9
baz=129						
CDP	Champ du Feu	13.31	313	eP	Pn	10 48 30.3 -0.4
CDP					MLR	10 48 30.3 -0.4
comp=Z,11nm,0.9s						
SHMJ	Saham	13.41	119	P	Pn	10 48 36.9 -4.6
VIVF	Saint-Julien-I	13.52	296	eP	Pn	10 48 36.8 +3.3
VIVF					MLR	10 48 36.8 +3.3
comp=Z,11nm,1.1s						
HMDT	Nahal Hemdat	13.54	121	Pn	Pn	10 48 35.6 +1.7
HAU	Haudompe	13.63	310	eP	Pn	10 48 35.3 +0.3
HAU					MLR	10 48 35.3 +0.3
comp=Z,20nm,0.8s						
SUZ	Suez	13.64	135	P	Pn	10 48 35.0 -0.2
baz=134						
SSB	Saint Sauveur	13.72	298	ePn	Pn	10 48 37.9 +1.6
SSB	Saint Sauveur	13.72	298	eP	Pn	10 48 37.9 +1.6
KZIT	Kziot	13.74	128	Pn	Pn	10 48 37.2 +0.7
KZIT	Kziot	13.74	128	eP	Pn	10 48 36.3 -0.2
SOC	Sochi	13.76	70	e	Pn	10 48 34.2 -2.6
SOC					MLR	10 51 08.5
TNS	Taunus Mts	13.81	321	P	Pn	10 48 39.7 +2.3
YTIH	Yatir	13.86	125	Pn	Pn	10 48 39.5 +1.2
SUW	Suwalki	13.93	3	ePn	Pn	10 48 40.9 +2.0
SUW	Suwalki	13.93	3	eP	Pn	10 48 40.9 +2.0
WALJ	Wala	14.17	123	P	Pn	10 48 50.9 +0.9
LISJ	El Lisan	14.18	124	P	Pn	10 48 45.5 +3.0
comp=Z,32nm,1.0s						
ZFRI	Zfiri	14.46	127	Pn	Pn	10 48 46.6 +0.2
PRNI	Paran	14.50	128	Pn	Pn	10 48 47.6 +0.5
PRNI					MLR	10 51 28.3 +1.3
ASF	Jabal al Asfar	14.51	118	Pn	Pn	10 48 49.2 +2.0
ASF	Jabal al Asfar	14.51	118	P	Pn	10 48 54.7 +0.9
SWQA	Swaqa	14.54	123	P	Pn	10 48 51.5 -2.7
comp=Z,82nm,0.6s,comp=Z,8um						
WLF	Walferdange	14.63	316	eP	Pn	10 48 51.0 +2.4
WLF	Walferdange	14.63	316	eP	Pn	10 48 51.0 +2.4
WLF	Walferdange	14.63	316	eP	Pn	10 48 54.9 +0.1
WLF	Walferdange	14.63	316	eP	Pn	10 48 59.3 +4.9
JDRJ	Daraweish	14.47	125	P	Pn	10 48 40.5 +1.5
HRFI	Mount Harif	14.74	129	Pn	Pn	10 48 50.9 +0.6
HRFI					MLR	10 51 35.7 +2.2
MBRI	Mt Berech	14.85	130	Pn	Pn	10 48 53.3 +1.5
MBRI					MLR	10 51 38.3 +2.2
MBRI	Elat	14.96	130	Pn	Pn	10 48 54.5 +1.3
comp=Z,0.6nm,0.3s,baz=318,slow=5.6,SNR=9.2						
EIL					LR	10 57 39.8
comp=Z,276nm,18.5s,baz=282,slow=49						
EIL	Elat	14.96	130	Pn	Pn	10 48 54.0 +0.8
AVF	Avril sur Loir	14.97	303	eP	Pn	10 48 57.5 -1.3
AVF					MLR	10 48 57.5 -1.3
comp=Z,33nm,1.0s						
MTLF	Montleuile	15.00	289	eP	Pn	10 48 56.2 +2.5
MTLF					MLR	10 48 56.2 +2.5
comp=Z,19nm,1.5s						
BUG	Bochum-Univer	15.18	323	P	P	10 48 58.9 -2.1
BGF	Bois d'Agland	15.23	301	eP	Pn	10 49 00.2 -1.4
BGF					MLR	10 49 00.2 -1.4
comp=Z,50nm,1.1s						
MEM	Membach	15.26	319	pP	Pn	10 49 04.7 +2.8
MEM					MLR	10 49 06.4 +0.6
MEM					MLR	10 49 08.3
CAF	Calviac	15.34	295	eP	Pn	10 49 05.0 +2.1
CAF					MLR	10 49 05.0 +2.1
comp=Z,62nm,1.6s						
BCLA	Clavier	15.51	317	pP	Pn	10 49 06.5 +1.8
comp=Z,38nm,1.0s						
IIGN	Ignalina	15.51	9	eP	Pn	10 49 04.5 -0.2
IIGN					MLR	10 49 07.7
comp=Z,35nm,1.0s						
BEBN	Eben Emael	15.54	319	pP	Pn	10 49 06.5 +1.5
IDID	Didzasialis	15.55	10	eP	Pn	10 49 04.7 -0.4
IDID					MLR	10 49 07.8
comp=Z,18nm,0.8s						
TCF	Toulx Ste Croi	15.57	300	eP	Pn	10 49 06.9 +1.5
TCF					MLR	10 49 06.9 +1.5
comp=Z,55nm,1.3s						
DOU	Dourbes	15.70	315	P	Pn	10 49 06.5 -0.3
DOU	Dourbes	15.70	315	pP	Pn	10 49 08.1 +1.3
comp=Z,30nm,0.7s						
ISAL	Salakas	15.72	9	eP	Pn	10 49 05.9 -1.1
ISAL					MLR	10 49 09.1
comp=Z,17nm,0.7s						
BMRD	Maredsous	15.72	316	x	Pn	10 49 08.6 +1.5
RJF	Les Rejaudoux	15.80	296	eP	Pn	10 49 10.3 +2.3
RJF					MLR	10 49 10.3 +2.3
comp=Z,40nm,1.5s						
BSEG	Bad Segeberg	15.87	334	P	Pn	10 49 08.6 0.0
BSEG					MLR	10 49 08.6 0.0
comp=Z,21nm,1.0s						
NEY	Neytrino	15.90	72	iP	Pn	10 49 06.8 +1.1
IZAR	Zarasai	15.91	9	eP	Pn	10 49 06.5 +1.0
IZAR					MLR	10 49 11.2
comp=Z,11nm,0.8s						
KIV	Kislovodsk	15.94	69	eP	Pn	10 49 07.5 +1.4
KIV	Kislovodsk	15.94	69	eP	Pn	10 49 08.2 -1.5
comp=Z,55nm,1.1s						
KVAR	Kislovodsk Arr	15.95	69	LR	LR	10 55 43.0
comp=Z,272nm,20.7s,baz=269,slow=39						
KBZ	Khabaz	16.07	70	Pn	Pn	10 49 13.8 +2.9
KBZ					MLR	10 55 58.3
comp=Z,239nm,20.6s,baz=354,slow=39						
SNF	Senefite	16.10	316	x	Pn	10 49 13.1 +1.9
CLF	Chambon-Foret	16.11	306	eP	Pn	10 49 08.9 +0.9
CLF					MLR	10 49 11.2
UCC	Uccle	16.22	317	eP	Pn	10 49 13.5 +1.0

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UCC	Uccle	16.22	317	eP	P	10 49 13.5 +1.0
comp=Z,93nm,1.1s						
UCC	Uccle	16.22	317	x	Pn	10 49 14.8 +2.2
UCC					Pn	10 49 18.0 -0.3
VORD	Divnogorie	16.30	43	eP	Pn	10 49 19.2
VORD					MLR	10 49 13.9 +0.5
comp=Z,20nm,1.3s						
GOF	Gofitskoje	16.36	66	iP	Pn	10 49 16.6 +2.5
GOF					MLR	10 49 13.4 -0.9
VSR	Storozhevoje	16.38	42	eP	Pn	10 49 13.4 -0.9
VSR					MLR	10 49 13.4 -0.9
comp=Z,2um,16.0s						
AKH	Akhalkalaki	16.45	78	eP	Pn	10 49 16.7 +1.3
AKH	Akhalkalaki	16.45	78	eP	Pn	10 49 16.7 +1.3
comp=Z,28nm,1.2s						
ZEI	Tsey	16.74	74	eP	Pn	10 49 20.4 +1.7
ZEI					MLR	10 49 20.4 +1.7
comp=Z,12nm,0.4s						
LPSR	Gaich'ya Gora	17.11	38	eP	Pn	10 49 20.4 -0.4
LPSR					MLR	10 49 20.4 -0.4
comp=Z,40nm,0.9s						
LPSR					MLR	10 49 25.4 +1.7
MFF	Saint Martin d	17.22	299	eP	Pn	10 49 25.4 +1.7
MFF					MLR	10 49 25.4 +1.7
comp=Z,99nm,1.6s						
TBLG	Delisi	17.37	77	eP	Pn	10 49 25.6 +0.2
TBLG	Delisi	17.37	77	eP	Pn	10 49 25.6 +0.2
comp=Z,25nm,1.3s						
GNI	Garni	17.50	83	P	Pn	10 49 27.1 +0.1
GNI					MLR	10 56 01.8
comp=Z,1.6nm,0.3s,baz=270,slow=13,SNR=2.3						
GNI					MLR	10 49 26.4 +0.5
comp=Z,45nm,1.3s						
GNI	Obninsk	17.50	83	iP	Pn	10 49 27.3 +0.2
OBN	Obninsk	17.93	28	P	Pn	10 49 30.5 -0.3
comp=Z,1.4nm,0.3s,baz=214,slow=4.7,SNR=1.1						
OBN					MLR	10 56 47.8
comp=Z,188nm,18.6s,baz=206,slow=38						
OBN	Obninsk	17.93	28	eP	Pn	10 49 30.4 -0.3
OBN	Obninsk	17.93	28	eP	Pn	10 49 31.2 -0.2
OBN					MLR	10 49 31.2 -0.2
comp=Z,88nm,1.7s						
OBN					MLR	10 49 38.6 -0.4
VSU	Vasula	18.62	8	eP	Pn	10 49 41.5
VS						

Q53A	Leroy	74.77 308	P	P	10 57 02.2 +0.4
W60A	Pink Hill	74.78 303	P	P	10 57 02.2 +0.4
S55A	Lewisburg	74.83 307	P	P	10 57 03.0 +0.8
L47A	Sherwood	74.92 312	P	P	10 57 02.7 +0.1
U57A	Blanch	74.95 305	P	P	10 57 03.7 +0.8
NJ2	Nanjing	74.96 61	eP	pmax	10 57 02.4 -0.6
F40A	Park Falls	74.97 318	P	P	10 57 02.7 -0.2
M48A	Edgerton	74.97 312	P	P	10 57 02.8 -0.1
T56A	Rocky Mt	75.01 306	P	P	10 57 04.0 +0.7
MLY	Manley	75.02 357	eP	P	10 57 00.8 -2.1
N49A	Columbus Grove	75.02 311	eP	P	10 57 03.7 +0.5
N48A	Columbus Grove	75.02 311	P	P	10 57 03.1 -0.2
ILAR	Eielson Array	75.07 355	P	P	10 57 04.2 +1.1
ILAR	Eielson Array	75.07 355	eP	pmax	10 57 04.2 +1.1
ILB	Eielson Array	75.07 355	eP	P	10 57 01.2 -1.9
DAWY	Dawson	75.09 352	eP	P	10 57 03.0 -0.3
Q52A	Bidwell	75.15 309	P	P	10 57 04.1 +0.1
USA0B	Ussuriysk Arra	75.17 44	eP	P	10 57 01.5 -2.4
USRK	Ussuriysk Ar.	75.17 44	P	P	10 57 03.9 -0.1
PS1A	Williamsport	75.29 309	P	P	10 57 05.2 +0.4
S54A	Dingess, Beckl	75.31 307	P	P	10 57 05.5 +0.5
R53A	Hurricane	75.37 308	eP	P	10 57 04.3 -1.0
R53A	Hurricane	75.37 308	P	P	10 57 05.7 +0.5
F39A	Loretta	75.38 318	P	P	10 57 04.7 -0.5
T55A	Pulaski	75.42 306	P	P	10 57 05.8 +0.1
HDA	Harding Lake	75.43 355	eP	P	10 57 03.5 -1.6
HDA	Harding Lake	75.43 355	P	P	10 57 04.8 -0.4
WRH	Wood River Hil	75.44 356	eP	P	10 57 03.2 -2.0
G40A	Rib Lake	75.45 317	eP	P	10 57 04.1 -1.5
G40A	Rib Lake	75.45 317	P	P	10 57 05.2 -0.5
N48A	Decatur	75.55 311	P	P	10 57 06.0 -0.3
V57A	Coltrane Farms	75.57 305	P	P	10 57 06.5 +0.1
O49A	Covington	75.59 311	eP	P	10 57 05.4 -1.1
O49A	Covington	75.59 311	P	P	10 57 06.5 0.0
P50A	Jamestown	75.65 310	P	P	10 57 06.9 0.0
U56A	King	75.66 305	P	P	10 57 07.6 +0.6
I42A	Draeger Farm,	75.70 316	P	P	10 57 07.0 0.0
Q51A	Peebles	75.76 309	eP	P	10 57 04.9 -2.6
Q51A	Peebles	75.76 309	P	P	10 57 08.1 +0.6
W58A	Raeford	75.77 304	P	P	10 57 07.6 0.0
F38A	Pierce - Schro	75.83 319	P	P	10 57 08.1 +0.3
S53A	Williamson	75.89 307	P	P	10 57 08.3 0.0
G39A	Holcombe	75.94 318	P	P	10 57 08.2 -0.2
T54A	Tazewell	75.95 307	P	P	10 57 08.3 -0.4
BPAW	Bear Paw Mtn.	75.96 357	eP	P	10 57 04.5 -3.7
U55A	TA2, Sparta	75.98 306	P	P	10 57 08.6 -0.3
O48A	Farmland	76.02 311	P	P	10 57 09.1 +0.1
I41A	Arkdale	76.10 316	P	P	10 57 09.3 0.0
AGMN	Agassiz Nation	76.13 322	P	P	10 57 09.8 +0.4
W57A	Gilead	76.17 304	P	P	10 57 10.3 +0.5
K43A	Burlington	76.18 315	P	P	10 57 09.6 -0.2
P49A	Miami Univ. Ec	76.23 310	P	P	10 57 09.8 -0.4
R51A	Hillsboro	76.37 309	P	P	10 57 10.8 -0.1
F37A	Hirchrs Farm,	76.37 319	P	P	10 57 11.0 +0.2
U54A	Nelsons Funny	76.44 306	eP	P	10 57 10.3 -1.2
U54A	Nelsons Funny	76.44 306	P	P	10 57 11.8 +0.3
V55A	Taylorville	76.50 306	P	P	10 57 12.2 +0.4
W56A	Indian Trail	76.56 305	P	P	10 57 12.7 +0.7
T53A	Wise	76.58 307	P	P	10 57 12.6 +0.3
O47A	Sheridan	76.62 312	P	P	10 57 12.5 +0.1
X57A	Johnson Farm,	76.67 304	P	P	10 57 13.0 +0.3
Q49A	Aurora	76.69 310	P	P	10 57 12.8 0.0
P48A	Milroy	76.70 311	P	P	10 57 12.9 +0.1
T52A	Hallie	76.78 307	P	P	10 57 13.7 +0.4
S51A	Beattyville	76.80 308	P	P	10 57 13.9 +0.5
SPMN	Marine on St.	76.81 319	P	P	10 57 13.9 +0.5
R50A	Paris	76.82 309	P	P	10 57 14.1 +0.6
V54A	Nebo	77.00 306	P	P	10 57 15.1 +0.5
U53A	Fall Branch	77.01 307	P	P	10 57 14.4 -0.3
KM5C	Kings Mountain	77.02 305	P	P	10 57 14.5 -0.2
SF1N	Lafayette	77.05 312	P	P	10 57 14.7 -0.1
JFWS	Jewell Farm	77.08 316	eP	P	10 57 15.1 +0.2
JFWS	Jewell Farm	77.08 316	eP	pmax	10 57 15.1 +0.2
JFWS	Jewell Farm	77.08 316	P	pmax	10 57 15.1 +0.2
P47A	Martinsville	77.17 311	P	P	10 57 14.9 -0.6
Q48A	North Vernon	77.23 310	P	P	10 57 16.0 +0.3
X56A	White Oak	77.25 304	P	P	10 57 15.9 -0.1
KS15	Wonju Array Si	77.29 52	eP	P	10 57 16.0 -0.2
KSRS	Korea Array	77.31 52	P	P	10 57 16.1 -0.2
R49A	Shelbyville	77.32 310	eP	P	10 57 17.0 +0.7
R49A	Shelbyville	77.32 310	P	P	10 57 15.6 -0.8
N44A	Piper City	77.36 313	P	P	10 57 16.7 +0.2
M43A	Waltham Townsh	77.38 314	P	P	10 57 16.8 +0.2

L42A	Oliver, Polo	77.39 315	P	P	10 57 17.0 +0.3
T51A	Gray	77.45 308	P	P	10 57 17.3 +0.2
U52A	Thorn Hill	77.48 307	P	P	10 57 17.6 +0.4
W54A	Cherokee Point	77.59 305	P	P	10 57 18.2 +0.3
Q47A	Bedord North L	77.63 311	P	P	10 57 18.5 +0.5
X55A	Gracelyn & Ava	77.64 305	P	P	10 57 18.7 +0.5
TJN	Taejon	77.67 531	eP	P	10 57 17.8 -0.5
S49A	Springfield	77.72 309	P	P	10 57 18.3 -0.2
U51A	La Follette	77.88 307	P	P	10 57 19.6 +0.1
T50A	Nancy	77.96 308	P	P	10 57 20.2 +0.3
P45A	Graceland, Par	77.99 312	eP	P	10 57 18.7 -1.4
HYT	Haines Junctio	78.00 350	eP	P	10 57 19.7 -0.2
WCI	Wyandotte Cave	78.02 310	eP	P	10 57 18.0 -2.2
WCI	Wyandotte Cave	78.02 310	eP	pmax	10 57 18.0 -2.2
WCI	Wyandotte Cave	78.02 310	P	pmax	10 57 20.2 0.0
X54A	Belton	78.06 305	P	P	10 57 20.4 -0.1
R47A	Wooly Knot Far	78.11 310	P	P	10 57 21.0 +0.3
Y55A	Saluda	78.13 304	P	P	10 57 21.1 +0.1
W53A	Cullowhee	78.15 306	P	P	10 57 21.3 +0.2
HD1L	Hopedale	78.17 313	P	P	10 57 20.5 -0.5
MDND	Maddock	78.17 324	P	P	10 57 20.3 -0.6
L40A	Anamosa	78.19 316	eP	P	10 57 20.7 -0.4
L40A	Anamosa	78.19 316	P	P	10 57 20.9 -0.2
S48A	Wiedeman Farm,	78.26 310	P	P	10 57 20.8 -0.8
T49A	Edmonton	78.32 309	eP	P	10 57 22.0 +0.1
T49A	Edmonton	78.32 309	P	P	10 57 22.0 +0.1
U50A	Jamestown	78.36 308	P	P	10 57 22.5 +0.4
157A	Early Branch	78.39 303	P	P	10 57 22.3 -0.1
V51A	Loudon	78.46 307	eP	P	10 57 25.0 +2.3
V51A	Loudon	78.46 307	P	P	10 57 23.0 +0.3
Y55	Yuzh-Sakhalins	78.59 37	eP	P	10 57 19.5 -3.7
Y55	Yuzh-Sakhalins	78.59 37	P	P	10 57 23.5 0.0
Q45A	Warren Harvey,	78.65 312	P	P	10 57 23.6 -0.2
X53A	Estanollee	78.67 306	P	P	10 57 23.4 -0.5
W52A	Murphy	78.67 306	P	P	10 57 23.5 -0.5
Y54A	Tignall	78.70 305	P	P	10 57 23.7 -0.4
156A	Sylvania	78.73 303	P	P	10 57 23.7 -0.5
OL1L	Olney	78.73 311	eP	P	10 57 24.3 +0.1
S47A	Hartford	78.79 310	P	P	10 57 24.0 -0.5
CPCT	Cooper Cave	78.80 307	eP	P	10 57 25.8 +1.2
T48A	Bowling Green	78.83 309	P	P	10 57 24.3 -0.4
U49A	Red Boiling Sp	78.86 309	P	P	10 57 25.1 +0.2
P43A	Skaggs, Pawnee	78.92 313	P	P	10 57 25.4 +0.2
N41A	Harden Midland	78.93 314	eP	P	10 57 24.9 -0.2
N41A	Harden Midland	78.93 314	P	P	10 57 25.3 +0.1
X52A	Dahlonega	78.97 306	P	P	10 57 25.9 +0.3
V50A	Pikeville	79.01 307	P	P	10 57 25.7 -0.1
R45A	Skylar, Fairir	79.13 311	P	P	10 57 25.9 -0.5
W51A	Cleveland,	79.14 307	P	P	10 57 25.8 -0.6
N40A	Mertquake, Sal	79.20 315	P	P	10 57 26.0 -0.7
Z54A	Sparta	79.21 304	P	P	10 57 27.1 +0.2
S46A	Don Dixon Farm	79.22 310	P	P	10 57 27.0 +0.2
Y53A	Monroe	79.27 305	P	P	10 57 27.7 +0.6
U48A	Cassie Pea, Po	79.31 309	P	P	10 57 27.6 +0.2
T47A	Sharon Grove	79.33 310	eP	P	10 57 28.1 +0.6
T47A	Sharon Grove	79.33 310	P	P	10 57 27.5 +0.1
155A	Kite	79.37 304	P	P	10 57 27.7 0.0
V49A	McMinville	79.43 308	P	P	10 57 28.4 +0.4
W50A	Signal Mountai	79.45 307	eP	P	10 57 28.9 +0.7
W50A	Signal Mountai	79.45 307	P	P	10 57 28.9 +0.7
CLTN	Cedars of Liba	79.47 308	eP	P	10 57 28.6 +0.4
GOGA	Godfrey	79.49 305	eP	P	10 57 29.6 +1.3
GOGA	Godfrey	79.49 305	eP	pmax	10 57 29.7 +1.3
GOGA	Godfrey	79.49 305	P	pmax	10 57 28.4 0.0
Y52A	Lilburn	79.56 306	eP	P	10 57 29.9 +1.1
Y52A	Lilburn	79.56 306	P	P	10 57 29.3 +0.4
X51A	Calhoun	79.59 307	P	P	10 57 29.5 +0.5
PEA1	Petropavlovsk-	79.60 25	eP	P	10 57 28.3 -0.3
PETK	Petropavlovsk-	79.60 25	P	P	10 57 28.3 -0.4
Z53A	Monticello	79.64 305	P	P	10 57 29.4 +0.2
T46A	Princeton	79.76 310	P	P	10 57 30.1 +0.3
ECSD	EROS Data Cent	79.79 320	P	P	10 57 29.8 -0.1
U47A	Clarksville	79.81 309	P	P	10 57 29.5 -0.5
V48A	Smith Brothers	80.00 308	eP	P	10 57 30.9 -0.2
V48A	Smith Brothers	80.00 308	P	P	10 57 30.9 -0.2
W49A	Belvidere	80.08 308	P	P	10 57 31.4 -0.2
S44A	Carbondale	80.10 311	P	P	10 57 31.8 +0.1
X50B	Fort Payne	80.15 307	P	P	10 57 31.6 -0.4
Y51A	Rockmart	80.16 306	P	P	10 57 31.5 -0.5
Z52A	Williamson	80.23 305	P	P	10 57 32.2 -0.2
SDDR	Presa de Saban	80.33 287	eP	P	10 57 33.7 +0.5
WVT	Waverly	80.34 309	eP	P	10 57 32.5 -0.5
WVT	Waverly	80.34 309	eP	pmax	10 57 32.5 -0.5
WVT	Waverly	80.34 309	P	pmax	10 57 32.4 -0.5

254A	Abbeville	80.34 304	P	P	10 57 33.1 +0.1
V47A	Nunnelly	80.36 309	P	P	10 57 32.5 -0.6
U46A	Springville	80.39 310	P	P	10 57 33.2 0.0
SUSD	Miller	80.41 321	P	P	10 57 32.6 -0.6
W48A	Pulaski	80.47 308	P	P	10 57 33.7 0.0
X49A	Woodville	80.53 307	P	P	10 57 34.1 +0.1
Y50A	Piedmont	80.58 307	P	P	10 57 33.9 -0.4
V46A	Holladay	80.73 309	P	P	10 57 34.5 -0.6
152A	Waverly Hall	80.77 305	eP	P	10 57 36.1 +0.8
152A	Waverly Hall	80.77 305	eP	P	10 57 34.4 -0.9
W47A	Westpoint	80.80 309	P	P	10 57 34.9 -0.6
758A	Lake Helen	80.93 300	P	P	10 57 36.6 +0.3
CCM	Cathedral Cave	80.99 313	eP	P	10 57 36.0 -0.4
CCM	Cathedral Cave	80.99 313	eP	pmax	10 57 36.0 -0.4
CCM	Cathedral Cave	80.99 313	P	pmax	10 57 35.1 -1.3
X48A	Hartselle	81.01 308	eP	P	10 57 36.7 +0.1
X48A	Hartselle	81.01 308	P	P	10 57 36.4 -0.2
Y49A	Blount Mountai	81.02 307	eP	P	10 57 36.0 -0.7
Y49A	Blount Mountai	81.02 307	P	P	10 57 36.5 -0.2
PARMO	Parma	81.10 311	eP	P	10 57 37.4 +0.4
Z50A	Ashland	81.13 306	eP	P	10 57 35.6 -1.6
Z50A	Ashland	81.13 306	P	P	10 57 36.2 -1.1
252A	Lumpkin				

Table with columns: CBKS, Cedar Bluff, 85.01 318 eP, P, 10 57 58.0 +0.7. Includes various station names like Cedar Bluff, Bozeman, Leonard, etc.

Table with columns: MSU, Marysvale, 91.14 326 eP, P, 10 58 27.1 +0.2. Includes various station names like Marysvale, Junction City, Albuquerque, etc.

Table with columns: JHJ2 Mitsune, 1.42 193 P, Pn, 10 58 15.7 +0.5. Includes various station names like Mitsune, Matusushiro, etc.

BUI 02 11:01:46.8:0.0, 14:16N:146:12E, h87km, mb4.8/2.0, mb4.9/1.4, Ms4.5/5, Ms7.4/3.4, IDC 02 11:01:48.0:5.0, 14:41N:145:83E, h56km, 46km, mb4.1/2.3, ...

MDD 02 10:46:33.6:1.5, 43:00N:0:52E, h10km, 2km, mblg1.0/7, Error ellipse: s-maj=12.5km s-min=5.5km az=174.0, PFXIMO MRB 02 10:46:33.6:0.3, 43:00N:0:53E, h6km, 6km, MLO.5/7, Error ellipse: s-maj=1.6km s-min=1.5km az=332.0, France

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes stations like FMON Moutouss, MLS Moulis, ECHI Chisagues Biel, etc.

IDC 02 10:57:47.9:2.4, 33:95N:139:11E, h0km, mb3.7/2, mb1.3/0.3, mb1mx3.4/5.2, mbtmp.3/3, ML2.3/1, Error ellipse: s-maj=83.6km s-min=27.3km az=75.0, ISCBJ 02 10:57:50.8:0.7, 34:51N:0:04:170E:0.06, h67km, 6km, mb3.7/2, Error ellipse: s-maj=8.6km s-min=6.0km

JMA 02 10:57:51.4:0.2, 34:52N:140:19E, h56km, 3km, M2.9, IDC 02 10:57:51.6:1.1, 34:50N:0:04:140:19E:0.05, h95km, 9km, n16, 0:571/26, 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 BSO3 Boso 3, BSO4 Boso 4, TATEYAMA 2, etc.

GEYT	Alibeck	11.04 13 P	Pn	11 21 11.5 +0.9
GEYT	comp=E,0.7nm,0.3s,baz=206,slow=13,SNR=13			
GEYT	LR LR			11 26 19.6
GYA0B	ALIBECK ARRAY	11.04 13 ePn		11 21 08.8 -1.9
HAKT	HAKKARI	14.05 320 i P	Pn	11 21 49.8 -2.2
HAKT	comp=Z,706nm,0.4s			
KBL	Kabul	15.04 55 ePn	Pn	11 21 51.1 -1.9
KBL	Kabul	14.12 55 eP	Pn	11 21 51.1 -1.9
MNGR	Mingechevir, A	15.04 336 P	P	11 22 10.7 +0.1
GANJ	Ganja	15.22 334 P	P	11 22 12.9 +0.3
SRTM	Siirt_Merkez	15.39 318 i P	P	11 22 01.2 -8.7
SRTM	comp=Z,175nm,0.2s			
SEKA	Sheki	15.39 337 P	P	11 22 16.1 +1.6
AKT	Akhty	15.46 339 eP	P	11 22 16.3 +1.0
AKT	comp=Z,193nm,0.6s			
GNI	Garni	15.47 329 P	Pn	11 22 09.8 -1.3
GNI	comp=Z,1.5nm,0.3s,baz=30,slow=20,SNR=2.3			
GNI	Garni	15.47 329 ePn	Pn	11 22 10.3 -0.8
GNI	comp=Z,258nm,0.9s			
GNI	Garni	15.47 329 eP	Pn	11 22 10.3 -0.8
GNI	comp=Z,587nm,1.0s			
THW	Thamse Wali	15.56 65 P	Pn	11 22 11.1 -1.0
BTMn	Batman	15.72 316 i P	P	11 22 20.8 +2.6
BTMn	comp=Z,1um,0.8s			
TUTA	Tutak	15.85 323 i P	P	11 22 19.8 -0.1
TUTA	comp=Z,2um,0.8s			
DAMY	Dhamar	15.97 220 ePn	Pn	11 22 14.8 -2.9
DAMY	comp=Z,90nm,0.8s			
DAMY	Zakatala	15.97 337 P	eSn	11 25 10.6 -4.3
ZKTA	Cepherat	16.01 61 P	P	11 22 23.6 +2.7
CEP	Eleskirt	16.36 324 i P	P	11 22 19.5 +1.4
EATA	Eleskirt	16.36 324 i P	P	11 22 24.6 -0.9
EATA	comp=Z,54nm,0.4s			
ASF	Jabal al Asfar	16.48 292 P	Pn	11 22 23.8 -0.2
ASF	comp=Z,1.4nm,0.3s,baz=62,slow=3.5,SNR=14			
ASF	Jabal al Asfar	16.48 292 P	Pn	11 22 24.3 +0.2
ASF	comp=Z,52nm,1.2s			
CHGR	Chuyangaron	16.49 43 ePn	Pn	11 22 21.6 -2.5
CHGR	comp=Z,72nm,0.8s			
HANI	Diyarbakir_Han	16.58 316 i P	P	11 22 30.0 +2.2
HANI	comp=Z,117nm,0.3s			
KARS	Kars	16.63 327 eP	P	11 22 27.2 -1.1
KARS	Kars	16.63 327 eP	P	11 22 27.2 -1.1
MAK	Makhachkala	16.88 341 P	P	11 22 30.4 -0.5
MAK	comp=Z,480nm,1.2s			
MAK	MLR MLR			
NIL	Nilore	17.02 63 eP	Pn	11 22 30.9 +0.1
NIL	comp=Z,361nm,15.0s			
NIL	Nilore	17.02 63 eP	Pn	11 22 30.9 +0.1
NIL	comp=Z,52nm,0.9s			
CHCP	Chirah Chowk	17.03 63 P	Pn	11 22 30.9 0.0
AKH	Akhalkalaki	17.05 329 eP	P	11 22 32.0 +0.7
AKH	comp=Z,65nm,1.2s			
AKH	Akhalkalaki	17.05 329 eP	Pn	11 22 32.0 +0.7
AKH	comp=Z,65nm,1.2s			
HSUJ	Al Zarqa	17.05 291 P	P	11 22 38.1 +5.1
WALJ	Wala	17.27 289 P	P	11 22 36.8 +1.5
WALJ	comp=Z,166nm,0.9s,comp=Z,1um			
JDRJ	Darawesh	17.27 286 P	P	11 22 36.0 +0.5
JDRJ	comp=Z,127nm,1.5s,comp=Z,2um			
KARJ	Karaj	17.33 288 P	P	11 22 39.1 +3.1
KARJ	comp=Z,171nm,0.9s,comp=Z,1um			
GAR	Garm	17.41 44 eP	Pn	11 22 34.5 -1.2
GAR	comp=Z,67nm,0.8s			
GAR	Garm	17.41 44 eP	Pn	11 22 34.5 -1.2
GAR	comp=Z,67nm,0.8s			
LISJ	El Lis	17.50 288 P	P	11 22 40.2 +2.4
LISJ	comp=Z,55nm,1.5s			
SHMJ	Saham	17.54 293 P	Pn	11 22 37.4 +0.1
SHMJ	comp=Z,254nm,0.9s,comp=Z,2um			
TNCL	Tunceli-Merkez	17.54 317 i P	P	11 22 39.6 +1.2
TNCL	comp=Z,284nm,0.6s			
DAGI	Agililar	17.55 325 i P	P	11 22 39.2 +0.7
DAGI	comp=Z,916nm,0.6s			
MZDA	Masada	17.61 288 Pn	P	11 22 39.0 0.0
DBAD	Bademkaya	17.62 325 i P	P	11 22 38.9 -0.4
DBAD	comp=Z,23nm,0.2s			
HMDT	Nahal Hemdat	17.63 291 Pn	P	11 22 39.6 +0.2
ZFRI	Zfiri	17.67 286 Pn	P	11 22 40.0 +0.3
NATI	Neve Ativ	17.69 295 Pn	P	11 22 40.0 0.0
AQJB	Aqaba	17.71 283 P	P	11 22 58.6 +1.8
KSDI	Kefar Szold	17.74 294 Pn	P	11 22 40.9 +0.4
KSDI	Kefar Szold	17.74 294 Pn	P	11 22 38.4 -1.4
GEM	Givat Ha'Em	17.74 294 Pn	P	11 22 40.8 +0.1
HRFI	Mount Harif	17.74 284 Pn	P	11 22 41.4 +0.8
HRFI	Mount Harif	17.74 284 Pn	P	11 22 39.6 -0.2
MMLI	Mount Malkishu	17.76 292 Pn	P	11 22 41.3 +0.5
EIL	Eilat	17.79 283 P	P	11 22 43.0 +1.8
EIL	comp=Z,1.0nm,0.3s,baz=62,slow=7.5,SNR=14			
EIL	Eilat	17.79 283 Pn	P	11 22 42.0 +0.8
PRNI	Paran	17.80 285 Pn	P	11 22 41.7 +0.5
YTRJ	Yatir	17.82 288 Pn	P	11 22 42.3 +0.7
MBRI	Mt Berech	17.83 283 Pn	P	11 22 42.3 +0.6
MMAI	Mount Meron Ar	17.89 294 Pn	P	11 22 42.8 +0.4
MMAI	Mount Meron Ar	17.90 294 Pn	P	11 22 42.3 -0.1
ZEI	Tsey	17.99 333 i P	P	11 22 43.3 -0.2
ZEI	comp=Z,104nm,0.8s			
KRMI	Paran Flat	18.02 284 Pn	P	11 22 44.7 +1.0
SLTI	Safit	18.03 291 Pn	P	11 22 43.6 -0.2
HNTI	Hanita	18.10 294 Pn	P	11 22 45.0 +0.4
KEMA	Kemalije	18.28 315 i P	P	11 22 48.1 +1.5
KEMA	comp=Z,377nm,0.5s			
BTK	Batken	18.37 42 eP	Pn	11 22 46.1 -1.4
BTK	comp=Z,43nm,0.8s			
BTK	Batken	18.37 42 eP	Pn	11 22 46.1 -1.4
BTK	comp=Z,43nm,0.8s			
KZIT	Kziot	18.37 287 Pn	Pn	11 22 48.8 +1.2
NCK	Nalchik	18.71 333 eP	Pn	11 22 51.8 +0.2
NCK	comp=Z,13nm,0.3s			
ANDN	Andirind	18.81 308 i P	Pn	11 22 54.8 +1.8
ANDN	comp=Z,1um,0.6s			
NEY	Neytrino	18.86 331 i P	Pn	11 22 55.2 +1.6
NEY	comp=Z,4.0nm,0.7s			
CUZAR	Zara SIVAS	19.10 316 i P	Pn	11 22 58.1 +1.6
KBZ	Khabaz	19.18 332 P	Pn	11 22 54.9 -1.4
KBZ	comp=Z,0.5nm,0.3s,baz=139,slow=9.4,SNR=19			
SHAT	Shidhatmaz	19.29 332 i P	Pn	11 22 59.4 +0.6
ATD	Arta Tunnel	19.30 219 i P	P	11 22 59.5 +0.5
ATD	comp=Z,0.7nm,0.3s,baz=356,slow=12,SNR=8.9			
ATD	Arta Tunnel	19.30 219 eP	P	11 22 58.1 +0.2
ATD	comp=Z,40nm,1.0s			
DOMR	Dombai	19.38 329 i P	Pn	11 23 01.3 +1.4
DOMR	comp=Z,9.0nm,0.9s			
KVAR	Kislovodsk Arr	19.45 333 P	P	11 22 59.5 +0.1
KVAR	baz=253,slow=19,SNR=19			
KIV	Kislovodsk	19.46 333 eP	Pn	11 22 59.3 -0.1
KIV	comp=Z,122nm,1.1s			
KIV	Kislovodsk	19.46 333 i P	Pn	11 23 05.3 +4.6
KIV	Kislovodsk	19.46 333 eP	Pn	11 23 01.1 +0.4
KIV	comp=Z,288nm,1.0s			
NDI	New Delhi	19.70 80 eP	Pn	11 23 09.0 +5.4
YAHY	KAYSERI_Yahyal	19.74 308 i P	Pn	11 23 04.5 +0.4
YAHY	comp=Z,25nm,0.3s			
CSS	Mathiatis	20.08 298 eP	P	11 23 05.8 -0.4
CSS	comp=Z,68nm,1.0s			
CSS	Mathiatis	20.08 298 Pn	Pn	11 23 07.2 -0.8

CSS	Mathiatis	20.08 298 P	Pn	11 23 08.5 +0.5
CSS	comp=Z,1.8nm,0.9s,comp=Z,272nm			
GOF	Gofitskoye	20.24 335 i P	P	11 23 07.5 -0.3
GOF	comp=Z,98nm,1.0s			
KK31	Kararay Array	20.28 34 eP	P	11 23 07.6 -0.7
KK31	comp=Z,35nm,0.8s			
KKAR	Kararay Array	20.28 34 eP	P	11 23 07.9 -0.5
KKAR	comp=Z,35nm,0.8s			
KKAR	Kararay Array	20.28 34 eP	P	11 23 07.9 -0.5
KKAR	comp=Z,35nm,0.8s			
ARSB	Arslanbob	20.44 42 eP	P	11 23 09.8 -0.5
ARSB	comp=Z,35nm,0.8s			
SOC	Sochi	20.50 327 eP	Pn	11 23 14.1 +1.2
SOC	comp=Z,200nm,1.1s			
SOC	comp=Z,209nm,1.1s			
AKSY	AKSARAY - Alt	21.11 308 i P	P	11 23 19.9 +2.4
AKSY	comp=Z,35nm,0.2s			
CDAG	Cicekdag	21.15 311 i P	P	11 23 19.8 +1.9
CDAG	comp=Z,277nm,0.1s			
KIRS	Kirehir-Merke	21.23 309 i P	P	11 23 20.7 +2.0
KIRS	comp=Z,685nm,0.7s			
GAZI	Gazipasa	21.25 301 i P	P	11 23 22.1 +3.2
GAZI	comp=Z,296nm,0.3s			
KSH	Kashi	21.36 50 P	P	11 23 14.9 -5.3
KSH	comp=Z,50nm,0.8s			
KSH	comp=Z,140nm,3.3s			
KSH	comp=Z,750nm,11.7s			
KSH	comp=Z,860nm,10.8s			
KSH	comp=Z,600nm,14.0s			
DELI	KIRIKKALE	21.64 312 i P	P	11 23 24.6 +1.5
BR101	Keskin Array S	21.70 311 eP	P	11 23 24.1 +0.3
BR131	Keskin Array S	21.70 311 eP	P	11 23 23.9 +0.1
BR131	comp=Z,60nm,0.8s			
BRTR	Keskin Array B	21.70 311 P	P	11 23 24.1 +0.3
BRTR	comp=Z,242nm,20.5s,baz=106,slow=44			
EKS2	Erkin-Say	21.74 40 P	P	11 23 24.6 +0.4
EKS2	SNR=25			
KONT	Konya--Tatoy	21.82 305 i P	P	11 23 26.1 +1.0
KONT	comp=Z,149nm,0.2s			
UCH	Uchtor	21.90 42 P	P	11 23 30.5 +4.2
UCH	SNR=32			
AAK	Ala-Archa	22.14 41 P	P	11 23 29.0 +0.4
AAK	comp=Z,10nm,0.5s,baz=208,slow=7.0,SNR=17			
AAK	Ala-Archa	22.14 41 eP	P	11 23 26.8 -1.8
AAK	comp=Z,148nm,1.4s			
AAK	Ala-Archa	22.14 41 P	P	11 23 28.9 +0.4
AAK	Ala-Archa	22.14 41 eP	P	11 23 28.5 -0.1
AAK	comp=Z,14nm,0.9s			
AAK	Ala-Archa	22.14 41 P	P	11 23 29.1 +0.6
AAK	SNR=9.1			
KZA	Kyzart	22.25 43 P	P	11 23 33.1 +3.0
KZA	SNR=17			
FRU1	Bishkek	22.32 41 eP	P	11 23 27.4 -3.1
FRU1	comp=Z,70nm,1.1s			
FRU1	Bishkek	22.32 41 eP	P	11 23 27.4 -3.1
FRU1	comp=Z,70nm,1.1s			
BR231	Keskin MP Arra	22.34 310 eP	P	11 23 29.6 -1.1
BR231	comp=Z,91nm,0.9s			
ANTO	Ankara	22.34 310 eP	P	11 23 30.5 -0.1
ANTO	comp=Z,113nm,0.9s			
ANTO	Ankara	22.34 310 eP	P	11 23 30.5 -0.1
ANTO	comp=Z,113nm,0.9s			
AB31	Akbulak array	22.37 9 P	P	11 23 29.9 -0.8
AB31	comp=Z,78nm,1.1s			
ABKAR	Akbulak array	22.37 9 eP	P	11 23 30.2 -0.6
ABKAR	comp=Z,63nm,0.9s			
KBK	Karagaybulak	22.42 41 P	P	11 23 32.1 +0.5
KBK	SNR=21			
CHMS	Chumysh	22.51 40 P	P	11 23 34.6 +2.2
CHMS	SNR=8.8			
ANN	Anapa	22.51 326 eP	P	11 23 32.6 +0.3
ANN	comp=Z,84nm,1.0s			
ANN	Anapa	22.51 326 eP	P	11 23 32.6 +0.3
ANN	comp=Z,84nm,1.0s			
UNP	Ospenovka	22.54 40 P	P	11 23 31.9 -0.8
UNP	comp=Z,480nm,17.0s			
CMDR	Camlidere-ANKA	22.85 311 i P	P	11 23 37.3 +1.2
CMDR	SNR=14			
BOOM	Boomsokoye usch	22.91 43 eP	P	11 23 35.6 -1.2
BOOM	comp=Z,737nm,0.3s			
BOOM	Boomsokoye usch	22.91 43 eP	P	11 23 35.6 -1.2
BOOM	comp=Z,84nm,1.0s			
TKM2	Tokmak 2	22.96 42 i P	P	11 23 37.0 -0.3
TKM2	comp=Z,84nm,1.0s			
TKM2	Tokmak 2	22.96 42 P	P	11 23 36.7 -0.6
TKM2	comp=Z,23nm,0.8s			
TKM2	Tokmak 2	22.96 42 P	P	11 23 40.2 +2.8
TKM2	SNR=1			
BAGO	Egridir - ISPA	22.99 304 i P	P	11 23 34.1 -3.5
BAGO	comp=Z,434nm,0.2s			
AUSIV	SIVIRIHISAR	23.02 308 i P	P	11 23 38.9 +1.1
ISP	Isparta	23.13 303 eP	P	11 23 38.0 -1.0
ISP	comp=Z,186nm,1.8s			
ISP	Isparta	23.13 303 eP	P	11 23 38.0 -1.0
ISP	comp=Z,186nm,1.8s			
KIBS	BOLU	23.23 311 i P	P	11 23 42.9 +2.8
KIBS	comp=Z,38nm,0.2			

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BURAR, OBNSK, WMQ, MOS, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like CHTO, CMMT, CM31, CMAR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AML, EVR, XOR.

IDC 02 11:42:42.8.1.9, 51.22N, 16.55E, h0km, mb1 3.4/3, mb1 mx3, 1/33, mbtmp3.2/3, ML2.8/3, Error ellipse: s-maj=87.4km s-min=10.6km az=121.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSP, OSTC, UPC, DPC, PVCC, BRG, GOPECNY, PRU, RUE, FBE, MORC, MKORC, GKP, CLL, VRAC, KRUC, TANN, OJC, NOVY, GUNZ, WERN, PLN, JAVC, MOX, ROTZ, GERES, MOA, FINES, ARCES.

RSNC 02 11:58:29.5.1.1, 6.82N, 73.18W, h146km, 5km, ML3.2, MW3.6, 1C-2D, Northern Colombia

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, GIRC, BRRC, PAMC, RUSC, PTBC, OCAC, TAMC, YOPC, ZARC, NORC, SMLC, CHIC, ROSC, HELC, VILC, RREF, DBBC, PRAC, ORTC, PLD, DIM, RZN, KZD, RDO, PVL, NVR, KAVA, ALN, VRS, VTS, SRR, ZIMR, THAS, MPPE, SMTH, SGRG, HUMR, HUMR, RASA, ICOR, ICOR, ARR, ARR, TLB, TLB, VOIR, VOIR, TIRG, TIRG, HERR, HERR, HLR, HLR, MDVR, MDVR, CFR, CFR, PLOR, VRI, VRI, BZS, BZS, RABL, RABL, MANU, MANU, PMG, PMG, HNR, HNR, COEN, COEN, PATS, PATS, CTA, CTA, GUM, GUM, FAKI, FAKI, EIDS, EIDS, DZM, DZM, FAKI, FAKI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, GIRC, BRRC, PAMC, RUSC, PTBC, OCAC, TAMC, YOPC, ZARC, NORC, SMLC, CHIC, ROSC, HELC, VILC, RREF, DBBC, PRAC, ORTC.

SOF 02 12:01:26.5.4.2, 15N, 25.18E, h9km, Error ellipse: s-maj=4.8km s-min=1.3km az=2.1

THE 02 12:01:28.5.42, 11N, 25.23E, h13km, 3km, ML2.5/2, Error ellipse: s-maj=4.8km s-min=1.5km az=26.0

ISC 02 12:01:26.4.0.8, 42.13N, 0.02, 25.09E, 0.03, h8km, m41, s1947/44, 6C-5D, Bulgaria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PLD, DIM, RZN, KZD, RDO, PVL, NVR, KAVA, ALN, VRS, VTS, SRR, ZIMR, THAS, MPPE, SMTH, SGRG, HUMR, HUMR, RASA, ICOR, ICOR, ARR, ARR, TLB, TLB, VOIR, VOIR, TIRG, TIRG, HERR, HERR, HLR, HLR, MDVR, MDVR, CFR, CFR, PLOR, VRI, VRI, BZS, BZS.

IDC 02 12:03:16.6.0.8, 4.98S, 153.50E, h67km, 6km, mb3.9/12, mb1 4.0/13, mb1 mx3.8/33, mbtmp4.2/13, Error ellipse: s-maj=19.4km s-min=13.9km az=94.0

ISCJB 02 12:03:18.5.0.3, 3.508S, 0.04, 153.39E, 0.04, h100km, mb4.8/48, Error ellipse: s-maj=6.4km s-min=4.8km az=42.0

NEIC 02 12:03:19.6.2.8, 5.07S, 153.36E, h98km, 7km, mb4.8/44, Error ellipse: s-maj=12.2km s-min=8.4km az=222.0

ISC 02 12:03:19.8.0.5, 5.08S, 0.05, 153.38E, 0.06, h100km, m69, s1870/73, mb4.7/48, New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABL, RABL, MANU, MANU, PMG, PMG, HNR, HNR, COEN, COEN, PATS, PATS, CTA, CTA, GUM, GUM, FAKI, FAKI, EIDS, EIDS, DZM, DZM, FAKI, FAKI.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONTNC, MARNC, PINNC, WC3, WRAB, WB2, WR1, ARMA, ASAR, STKA, BBOO, FORT, OUZ, PSAD2, PSAC2, PSAD1, PSAC1, PSAB1, PSAC3, PSAD3, HIZ, JAGI, URZ, BKZ, THZ, SNZO, BFZ, LTZ, KHZ, GIRL, LBZ, WKZ, MOZ, MORW, PETK, PEA1, CM31, CMAR, SONAO, SONMO, VBA, SDA, MK32, MKAR, MKAR, MAZK, ZALV, ZALV, ILAR, ILAR, ILAR, ILAR, KURB, QSPA, MAW, MAW, TORD, TORD, TORD.

BUI 02 12:05:12.6.0.0, 5.04S, 152.39E, h38km, mb4.9/20, mb4.9/16, Ms4.9/4, Ms7.4/6.1

ISCJB 02 12:05:15.3.0.2, 4.92S, 0.03, 152.28E, 0.04, h55km, mb4.8/93, MS3.3/8, Error ellipse: s-maj=5.6km s-min=3.8km az=27.6

NEIC 02 12:05:16.2.1.9, 4.92S, 152.32E, h52km, 3km, mb4.9/81, Error ellipse: s-maj=8.5km s-min=5.9km az=77.0

IDC 02 12:05:19.3.4.8, 8.8S, 152.25E, h70km, 30km, mb4.2/19, mb1 4.2/21, mb1 mx3.2/34, mbtmp4.5/21, ML3.3/71, MS3.3/9, Ms1 3.3/9, ms1 mx3.3/15, Error ellipse: s-maj=19.5km s-min=12.3km az=75.0

ISC 02 12:05:16.4.0.3, 4.89S, 0.04, 152.32E, 0.05, h55km, n136, s142/141, mb4.9/92, MS3.3/8, 1C, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABL, RABL, MANU, MANU, PMG, PMG, HNR, HNR, COEN, COEN, PATS, PATS, CTA, CTA, GUM, GUM, FAKI, FAKI, EIDS, EIDS, DZM, DZM, FAKI, FAKI.

DZM	12nm,0.6s,baz=300,slow=8.6,SNR=5.6	LR	12 17 19.3
DZM	comp=Z,207nm,20.8s,baz=211,slow=33	LR	12 10 04.6 -0.4
MTN	Mont Dumac 21.88 143 eP	P	12 10 09.2 -1.0
WC3	Warrungunga Arr 23.02 228 eP	P	12 10 17.3 +0.3
WRAB	Tennant Creek 23.02 228 eP	P	12 10 17.3 +0.3
WB2	Warrungunga Arr 23.02 228 eP	P	12 10 17.4 +0.4
WR1	Warrungunga Arr 23.03 228 eP	P	12 10 17.4 +0.3
WRA	Warrungunga Arr 23.03 228 P	P	12 10 17.4 +0.3
ARMA	Armadale 25.40 181 eP	P	12 10 41.4 +2.4
TNT1	Ternate 25.55 282 eP	P	12 10 36.9 -3.6
AS31	Alice Springs 25.76 222 eP	P	12 10 42.9 +0.6
ASAR	Alice Springs 25.76 222 P	P	12 10 42.9 +0.6
ASAR	comp=Z,34nm,18.2s,baz=79,slow=38	LR	12 21 34.3
STKA	Stevens Creek 26.17 199 eP	P	12 11 08.2 0.0
STKA	comp=Z,74nm,21.1s,baz=260,slow=35	LR	12 11 08.4 +0.2
BATI	Baumata 28.88 258 LR	LR	12 26 04.0
DAV	Davao City (W) 29.21 294 LR	LR	12 21 59.1
BBOO	Bucktebo 31.66 207 eP	P	12 11 34.6 0.0
TOO	Toolangi 33.12 190 eP	P	12 11 49.2 +1.7
FORT	Forrest 34.42 219 eP	P	12 11 58.9 +0.1
PSAD2	Pilbara Seismi 35.49 239 eP	P	12 12 08.0 -0.2
PSAC2	Pilbara Seismi 35.52 239 eP	P	12 12 08.2 -0.2
PSAD1	Pilbara Seismi 35.54 239 eP	P	12 12 08.5 -0.1
PSAB2	Pilbara Seismi 35.55 239 eP	P	12 12 06.2 -2.5
PSAA3	Pilbara Seismi 35.57 239 eP	P	12 12 08.7 -0.1
PSAA2	Pilbara Seismi 35.57 239 eP	P	12 12 08.7 -0.1
PSA00	Pilbara Seismi 35.57 239 eP	P	12 12 08.2 -0.6
PSAB3	Pilbara Seismi 35.57 239 eP	P	12 12 08.9 +0.1
PSAA1	Pilbara Seismi 35.58 239 eP	P	12 12 08.9 0.0
PSAC1	Pilbara Seismi 35.59 239 eP	P	12 12 09.0 0.0
PSAB1	Pilbara Seismi 35.59 239 eP	P	12 12 09.1 +0.1
PSAC3	Pilbara Seismi 35.61 239 eP	P	12 12 09.2 +0.1
PSAD3	Pilbara Seismi 35.66 239 eP	P	12 12 09.8 +0.2
URZ	Urewera 40.15 149 P	P	12 12 48.9 +1.7
URZ	Urewera 40.15 149 eP	P	12 12 49.2 +2.0
BKZ	Black Stump Fm 40.54 151 eP	P	12 12 49.0 -1.5
GIRL	Giralia 40.81 241 eP	P	12 12 52.8 0.0
KHZ	Kahutera 41.86 156 eP	P	12 13 02.1 +0.9
MORW	Morawa 41.92 331 eP	P	12 13 02.1 +0.2
JNU	Nakatsue 42.92 333 P	P	12 13 09.2 -0.8
JNU	Nakatsue 42.92 333 eP	P	12 13 09.1 -0.9
WHZ	Wether Hill Ro 43.05 164 eP	P	12 13 10.6 -0.2
ODJ	Otauhu Downs 43.29 161 eP	P	12 13 12.4 +1.3
MJAR	Matsushiro Arr 43.28 343 P	P	12 13 12.6 -0.2
MJAR	comp=Z,38nm,21.6s,baz=35,slow=3.5	LR	12 29 17.0
MAJO	Matsushiro 43.28 343 eP	P	12 13 14.2 +1.5
MJB9	Matsu-Tunnel 43.28 343 eP	P	12 13 14.5 +1.7
CISI	Cisimpet, Garu 44.31 264 eP	P	12 13 19.9 -1.6
KSR5	Korea Array 47.87 334 P	P	12 13 50.7 +1.7
KSR5	comp=Z,24nm,19.7s,baz=193,slow=34	LR	12 32 22.7
NJ2	Nanjing 48.61 321 eP	P	12 13 55.3 +0.5
NJ2	comp=Z,15nm,0.6s	pmax	
KMI	Kunming 56.64 304 P	P	12 14 57.3 +2.7
KMI	comp=Z,16nm,0.7s	pmax	
CM31	Chiang Mai Arr 57.48 295 eP	P	12 14 59.2 -1.2
CMAR	Chiang Mai Arr 57.48 295 P	P	12 15 02.6 +2.2
PETK	Petrovlovsk-7 57.96 4 P	P	12 15 04.2 +1.1
PETK	comp=Z,28nm,19.4s,baz=179,slow=32	LR	12 36 34.8
PEA1	Petrovlovsk-7 57.96 4 eP	P	12 15 04.2 +1.1
CD2	Chengdu 58.43 311 eP	P	12 15 05.9 -1.0
HHC	Hu-ho-hao-te 58.84 325 P	P	12 15 12.1 +2.4
HHC	comp=Z,14nm,0.9s	pmax	
LZH	Lanzhou 60.96 316 eP	P	12 15 26.7 +2.3
LZH	comp=Z,21nm,6.6s	pmax	
LZH	comp=Z,13nm,1.3s	pmax	
GTA	Gaotai 65.40 317 eP	P	12 15 49.6 -4.1
GTA	comp=Z,3.0nm,1.0s	pmax	
SONM	Songino Array 66.14 328 eP	P	12 15 59.7 +1.4
SONM	Songino Array 66.14 328 P	P	12 15 59.7 +1.4
VNDA	Vanda 72.76 178 eP	P	12 16 39.1 +3.0
VNDA	comp=Z,2.7nm,1.0s,baz=324,slow=6.8,SNR=7.9	LR	12 16 39.4 +1.0
SBA	Scott Base 73.31 177 eP	P	12 16 43.8 +2.1
BILL	Bilbino 73.42 5 eP	P	12 16 42.0 -0.5
WMQ	Ururumi 75.48 318 eP	P	12 16 56.4 +1.4
WMQ	comp=Z,11nm,0.7s	pmax	
CNPM	China Poot 78.00 26 eP	P	12 17 10.2 +1.4
MK32	Makanchi Array 80.08 319 eP	P	12 17 21.7 +1.2
IKAR	Makanchi Array 80.08 319 P	P	12 17 21.7 +1.2
KTH	Kantishna Hill 80.28 22 eP	P	12 17 21.1 -0.2
MAK2	Makanchi 80.29 319 eP	P	12 17 21.6 0.0
SML	Sawmill 80.40 24 eP	P	12 17 23.0 +1.1
TRF	Therofare Moun 80.46 23 eP	P	12 17 23.4 +1.0
GLI	Thoracic Island 80.47 26 eP	P	12 17 23.2 +1.0

ZALV	Zalesovo Beam 80.96 326 P	P	12 17 25.8 +0.8
ZALV	comp=Z,2.6nm,0.6s,baz=109,slow=3.9,SNR=8.8	P	
RND	Zalesovo Array 80.96 326 eP	P	12 17 25.8 +0.8
ZAA	Zalesovo Array 80.99 23 eP	P	12 17 24.9 -0.1
MCK	McKinley 81.13 23 eP	P	12 17 25.1 -0.7
MLY	Manley 81.14 21 eP	P	12 17 26.4 +1.0
BWN	Browne 81.15 22 eP	P	12 17 26.8 +0.6
HMT	Hamilton 81.47 27 eP	P	12 17 27.9 +0.2
WRH	Wood River Hill 81.82 22 eP	P	12 17 29.7 +0.3
COLB	Clear Creek Bu 82.02 22 eP	P	12 17 30.3 0.0
CCB	College 82.11 22 eP	P	12 17 31.9 +1.1
ILAR	Eielson Array 82.22 22 eP	P	12 17 32.2 -0.2
ILB	Eielson Array 82.42 22 eP	P	12 17 33.0 +0.5
KSH	Kashi 82.63 311 P	pmax	12 17 35.1 +0.8
RIDG	comp=Z,10.0nm,1.1s	P	12 17 34.0 -0.2
TOLK	Toolik Lake Re 83.45 18 eP	P	12 17 38.3 +0.6
KURK	Kurchatov 84.34 32 eP	P	12 17 38.2 -0.4
AAK	Ala-Archat 84.58 314 eP	P	12 17 42.6 -0.6
AAK	Eagle 84.63 23 eP	P	12 17 47.8 -0.2
HYT	Haines Junctio 84.73 28 eP	P	12 17 45.6 +1.0
QSPA	South Pole Qui 85.01 180 eP	P	12 17 46.3 0.0
MAW	Mawson 85.31 203 P	P	12 17 47.3 +0.2
MAW	comp=Z,6.0nm,0.7s,baz=112,slow=5.8,SNR=14	P	12 17 47.4 +0.2
EPYK	Eagle Plains 86.93 22 eP	P	12 17 56.6 +1.4
DLBC	Dease Lake 87.70 31 eP	P	12 18 00.1 +0.9
HUMO	Hull Mountain 89.39 47 eP	P	12 18 07.5 0.0
K05A	Summer Lake 90.92 47 eP	P	12 18 13.9 -0.9
PINE	Pine Mountain 90.99 46 eP	P	12 18 15.9 +0.8
I07A	Ize 92.05 46 eP	P	12 18 19.0 -0.9
NV01	Mina Array Sit 92.51 52 eP	P	12 18 24.0 +1.7
NVAR	Mina Array Bea 92.51 52 P	P	12 18 24.0 +1.7
G08A	Pilot Rock 92.54 45 eP	P	12 18 20.8 -1.3
NV11	Mina Array Sit 92.63 52 eP	P	12 18 22.3 -0.5
J08A	Circle Bar Ran 92.74 47 eP	P	12 18 21.5 -1.6
SYO	Syowa Base 93.43 1991 eP	P	12 18 26.6 +1.1
BMO	Blue Mountains 93.68 45 eP	P	12 18 27.8 +0.4
F10A	Beach Ranch, E 93.79 44 eP	P	12 18 28.4 +0.6
NEW	Newport 93.98 42 eP	P	12 18 28.9 +0.2
PD31	Pinedale Array 99.26 48 eP	Pdf	12 18 52.5 -0.4
PDAR	Pinedale Array 99.26 48 P	Pdf	12 18 53.5 +0.6
VYHS	Vytnye 121.29 36 eP	PKPdf	12 24 02.1 -1.5
GERC	GERESS Array S 123.88 328 ePKPdf	PKIKP	12 24 09.1 +0.2
GERES	GERESS Array B 123.88 328 PKP	PKIKP	12 24 09.2 +0.3
LPAZ	La Paz 134.80 119 PKP	PKIKP	12 24 32.5 +0.2
LPAZ	comp=Z,2.1nm,0.8s,baz=337,slow=5.8,SNR=8.4	PKIKP	
PTGA	Pitinga 134.70 99 ePKP	PKIPab	12 24 32.3 -0.1
TOAD	Torodi Ar. Sit 149.88 288 ePKP	PKIKP	12 25 01.6 -1.0
TOR0	Torodi Ar. Bea 149.88 288 PKP	PKIKP	12 25 02.0 -0.6
TOA1	Torodi Ar. Sit 149.88 288 ePKP	PKIKP	12 25 02.0 -0.6
BDFB	Brasilia 151.34 136 PKP	PKIKP	12 25 06.3 +0.6
BDFB	comp=Z,7.9nm,0.6s,baz=181,slow=2.9,SNR=10	PKIKP	

MAN 02 12:34:41.5, 5.28N, 125.31E, h41km, mb4.2, ML3.0, MS2.7, 1D, Mincandao

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
DDMP	Don Marcelino,	0.91 26 eP	Op	12 44 58.9 +1.1	Pn	12 44 58.9 +1.1	
DDMP	Alice Springs	45.27 253 P	eS	12 44 58.3 -1.5	Pn	12 44 58.3 -1.5	
SKMP	Bagumbayan, Su	1.45 328 eP	eS	12 44 05.3 0.0	Sn	12 44 05.3 0.0	
SKMP	Matigani	1.49 30 P	eS	12 44 19.2 -3.8	Sn	12 44 19.2 -3.8	
MATI	Matigani	1.91 30 eP	eS	12 44 11.9 +0.4	Sn	12 44 11.9 +0.4	
MATI	Cotabato-PC H	2.20 331 P	iP	12 44 35.0 +0.8	Sn	12 44 35.0 +0.8	
CTBH	Musuan	2.59 355 P	eS	12 44 40.8 -0.7	Sn	12 44 40.8 -0.7	
BUKP	Musuan	2.59 355 P	eS	12 44 23.9 +1.3	Sn	12 44 23.9 +1.3	
PAGZ	Pagadian	3.19 323 eP	eS	12 44 30.2 +1.1	Pn	12 44 30.2 +1.1	
PAGZ	Pagadian	3.19 323 eP	eS	12 44 07.6 +1.6	Pn	12 44 07.6 +1.6	

ICD 02 12:54:26.8-1.9, 16.79S, 178.22W, h0km, mb3.7/5, mb1 4.2/5, mb1mx3.8/22, mbtmp3.7/5, MS3.0/1, Ms1 3.0/1, m=1mx2.5/23, Error ellipse: s-maj=131.7km s-min=28.5km az=152.0, Fiji Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
RAR	Rarotonga	17.99 107 LR	Op	13 03 54.2	ISC	13 03 54.2	
ASAR	comp=Z,40nm,18.5s,baz=182,slow=32	P		13 02 46.5 0.0			
ASAR	comp=Z,11nm,0.5s,baz=89,slow=8.4,SNR=19	P		13 06 31.4 +1.2			
NVAR	Mina Array Bea 78.50 44 P	P		13 07 02.0 -0.5			
ILAR	Eielson Array 84.76 15 P	P		13 07 05.8 -0.1			
TXAR	Lajitas Array 85.25 58 P	P		13 07 10.8 -0.8			
PDAR	0.6nm,0.6s,baz=218,slow=5.9,SNR=6.7	P					
PDAR	0.3nm,0.6s,baz=241,slow=5.0,SNR=3.7	P					

ICD 02 13:07:19.4, 3.4, 26.96N, 54.59E, h0km, mb3.6/3, mb1 3.7/3, mb1mx3.3/36, mbtmp3.7/3, MS2.9/1, Ms1 2.9/1, ms1mx2.3/43, Error ellipse: s-maj=81.8km s-min=31.3km az=151.0

IC/CBJ 02 13:07:21.0, 0.6, 27.31N, 0.06, 55.04E, 0.06, h10km, mb3.9/4, Error ellipse: s-maj=9.0km s-min=7.0km az=136.1

TEL 02 13:07:22.1, 27.29N, 55.05E, h25km, ML3.6

ISC 02 13:07:21.0, 0.9, 27.27N, 0.06, 55.02E, 0.05, h10km, n22, s=1868/21, mb3.7/4, Southern Iran

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
GENO	Geno	1.04 83 Op	Op	13 07 41.1 -0.5	Pg	13 07 41.1 -0.5	
GENO	comp=Z,0.0nm,0.4s	IAMB	IAMB	13 08 09.0	IAMB	13 08 09.0	
NIAN	Nian	1.64 80 ePn	ePn	13 07 51.1 +0.5	Pn	13 07 51.1 +0.5	
NIAN	comp=Z,0.0nm,0.5s	IAMB	IAMB	13 08 20.8	IAMB	13 08 20.8	
LMD1	Lamerd	1.65 273 ePn	ePn	13 07 51.4 +0.7	Pn	13 07 51.4 +0.7	
JHRM	Jahrom	1.77 313 ePn	ePn	13 08 07.5 +0.8	Pn	13 08 07.5 +0.8	
NAZ	Nazwa, Dubai	2.35 166 ePn	ePn	13 08 04.3 +0.3	Pn	13 08 04.3 +0.3	
UOSS	Minazif	2.55 155 ePn	ePn	13 08 04.3 +0.9	Pn	13 08 04.3 +0.9	
KFH	Al Faqa, Dubai	2.57 168 ePn	ePn	13 08 54.0	IAMB	13 08 54.0	
NGRK	Negar Kerman	2.80 32 IAMB	IAMB	13 08 06.6 -0.3	Pn	13 08 06.6 -0.3	
IPAR	Pars	3.09 326 ePn	ePn	13 08 11.1 +0.3	Pn	13 08 11.1 +0.3	
IPAR	comp=Z,20nm,19.2s,baz=2.5,slow=46	IAMB	IAMB	13 09 13.3	IAMB	13 09 13.3	
TVBK	TV Kerman	3.11 29 ePn	ePn	13 08 10.8 -0.3	Pn	13 08 10.8 -0.3	
TVBK	comp=Z,2.0nm,0.3s,baz=74,slow=6.8,SNR=4.3	IAMB	IAMB	13 09 05.2	IAMB	13 09 05.2	

CHMN	Cheshme madani 3.40 40 ePn	Pn	13 08 15.5 +0.4
CHMN	comp=Z,0.0nm,0.4s	IAMB	13 18 48.1
IMEH	Mehriz 4.12 355 ePn	Pn	13 08 25.3 +0.4
IBAF	Bafq 4.33 6 ePn	Pn	13 08 27.1 -0.6
ISAD	Sadrabad 4.77 346 ePn	Pn	13 08 34.5 +0.7
ISAD	comp=Z,477nm,1.0s	IAMB	13 08 39.0
IRAM	IRAM 5.07 334 ePn	Pn	13 08 38.1 +0.2
IZEF	Zefreh 6.07 338 ePn	Pn	13 08 50.3 -1.4
IKLH	Kolohrod 6.72 335 ePn	Pn	13 09 02.7 +2.1
GEYT	Alibek 10.94 13 LR	LR	13 15 08.7
BRTR	Keskin Array B 21.66 310 P	P	13 12 10.6 -2.0
BVAR	Borovoye Array 28.16 20 P	P	13 13 17.7 +3.8
ZALV	Zalesovo Beam 34.49 31 P	P	13 14 12.2 +2.6
TORD	Torodi Ar. Bea 51.62 265 P	P	13 16 24.9 -3.8
TORD	comp=Z,6.2nm,0.3s,baz=74,slow=6.8,SNR=4.3	P	

BEO 02 13:14:03.7, 0.4, 44.44N, 21.97E, h0km, ML1.6/7, 3C-2D, Mining explosion, Northwest Balkan Peninsula

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
KUBS	Kucevo	0.21 263 eP	Op	13 14 05.6 -2.2	Pg	13 14 05.6 -2.2	

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

SOME 02 13:42:58.7, 42.75N, 75.55E
NCC 02 13:42:58.7, 42.75N, 75.55E, h0km, mb3.0, mpv2.9, 5C-3D, Error ellipse: s-maj=2.9km s-min=2.2km az=167.0, Suspected Mining explosion., Lake Issyk-Kul

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

ATH 02 13:53:08.8, 40.17N, 21.87E, h21km, 6km, ML1.8/6, Error ellipse: s-maj=6.5km s-min=1.4km az=3.0, Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

BUI 02 13:55:37.9, 0.0, 4.54N, 96.54E, h18km, mb5.2/72, mB5.3/56, Ms5.6/83, Ms7.5/37.8
NEIC 02 13:55:37.9, 0.0, 4.66N, 96.65E, h10km, mb5.3/113, MS5.3/300, MW5.5, Error ellipse: s-maj=5.2km s-min=3.4km az=223.0, Moment Tensor Solution, s25

Moment tensor: Scale 10^17 Nm; M=0.05; Mw=1.77; Mw=1.73; Ms=0.06; Ms=0.72; Ms=0.19; Best double couple: M1: 900000x10^17 Np1: 124.000000, 884.000000, 1.78.000000. Np2: 214.000000, 888.000000, 1.6.000000. Principal axes: T: 1.8800, P1: 65.0000, Azm7: 9.0000; N: 0.0300, P1: 64.0000, Azm2: 31.0000; P: -1.9200, P1: 3.0000, Azm3: 348.0000; Moment Tensor Solution, s14

Northern Sumatra
Code Station Name Azimuth Elevation Azimuth Error Elevation Error Azimuth Rate Elevation Rate Azimuth Accuracy Elevation Accuracy

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

IDC 02 13:55:37.5, 0.3, 4.73N, 96.81E, h0km, mb5.0/33, mb1.5/36, mb1mx5.1/37, mbtmp5.0/36, ML4.9/3, MS5.1/47, Ms1.5/147, ms1mx5.0/54, Error ellipse: s-maj=11.0km s-min=9.3km az=34.0

RND	Reindeer	96.56	24	PFAKE	LR	14 09 20.0	+12
ILAR	Eielson Array	96.77	23	P	P	14 09 08.2	-1.0
ILAR	comp-Z, 1.1um, 19.0s						
ILAR	comp-Z, 0.7nm, 0.8s, baz=296, slow=4.9, SNR=6.3						
ILAR	comp-Z, 0.8nm, 1.0s, baz=288, slow=7.5, SNR=3.4						
ILAR	comp-Z, 1.2nm, 1.0s, baz=168, slow=1.8, SNR=7.7						
ILB	Eielson Array	96.77	23	eP	P	14 09 08.2	-1.0
HOM	Homer	96.78	28	PFAKE	LR	14 09 20.0	+11
HDA	Harding Lake	96.90	23	PFAKE	LR	14 09 20.0	+10
PRP	Porcupine Dome	96.95	22	PFAKE	LR	14 09 20.0	+10
KDAK	Kodiak Island	96.98	30	PFAKE	LR	14 09 20.0	+10
BRLK	Bradley Lake	97.09	28	PFAKE	LR	14 09 20.0	+9.0
RC01	Rabbit Creek A	97.11	27	PFAKE	LR	14 09 20.0	+9.0
SNA	Sanae	97.36	198	P	Pdf	14 09 18.8	+6.9
SNA	Sanae	97.36	198	P	Pdf	14 09 15.5	+3.6
SNA	Sanae	97.36	198	PFAKE	LR	14 09 20.0	+8.1
SML	Sawmill	97.44	26	PFAKE	LR	14 09 20.0	+7.5
SUMG	Summit	97.85	348	PFAKE	LR	14 09 20.0	+5.5
SCM	Sheep Creek Mo	97.86	26	PFAKE	LR	14 09 20.0	+5.6
RIDG	Independent Ri	98.03	23	PFAKE	LR	14 09 30.0	+15
GLI	Glacier Island	98.38	26	PFAKE	LR	14 09 30.0	+13
TULEG	Thule	98.53	357	PFAKE	LR	14 09 30.0	+13
RTC	Rabat Centre	98.59	305	PFAKE	LR	14 09 30.0	+12
EGAK	Eagle	98.92	22	PFAKE	LR	14 09 30.0	+11
INK	Inuvik	99.38	17	PFAKE	LR	14 09 30.0	+9.1
EPYK	Eagle Plains	99.58	19	PFAKE	LR	14 09 30.0	+8.1
EPYK	Eagle Plains	99.58	19	P	Pdf	14 09 21.8	-0.1
HMT	Hamilton	99.87	26	PFAKE	LR	14 09 30.0	+6.7
DAWY	Dawson	99.95	22	PFAKE	LR	14 09 30.0	+6.4
BALM	Baldy	100.36	25	PFAKE	LR	14 09 40.0	+14
RES	Resolute Bay	100.51	3	PFAKE	LR	14 09 40.0	+14
BCPM	Bancas Point	102.07	25	PFAKE	LR	14 09 40.0	+6.9
HYT	Haines Junctio	102.48	24	PFAKE	LR	14 09 50.0	+15
ANGG	Ammassalik, Gr	102.50	342	PFAKE	LR	14 09 40.0	+5.2
ILULI	Ilulissat	103.08	349	PFAKE	LR	14 09 50.0	+13
WHY	Whitehorse	103.62	23	PFAKE	LR	14 09 50.0	+10
SFJD	Kangerlussuaq	104.84	347	PFAKE	LR	14 10 00.0	+15
JIS	Juneau Island	105.25	25	PFAKE	LR	14 14 10.0	+8.8
WRAK	Wrangeli Islan	107.26	26	PFAKE	LR	14 14 20.0	+15
NRS	Narsarsuaq	108.14	342	PFAKE	LR	14 14 20.0	+14
YKW3	Yellowknife Ar	108.88	15	PFAKE	LR	14 14 20.0	+12
IVI	Ivigut	108.94	343	PFAKE	LR	14 14 20.0	+12
DIB	Dawson Inlet	109.16	29	PFAKE	LR	14 14 20.0	+11
TBI	Tubuai	113.70	113	eLQ	LQ	14 43 40.4	
PPT2	Papeete2	114.00	107	ePS	PS	14 24 46.0	-5.3
PPT2	Papeete2	114.00	107	eLQ	LQ	14 43 46.9	
FCC	Fort Churchill	116.23	6	PFAKE	LR	14 14 30.0	+8.1
A04D	Lummi Island	116.76	28	P	PKIKP	14 14 24.0	+0.7
NLWA	Neilton Lookou	117.12	30	PFAKE	LR	14 14 30.0	+5.9
D03D	Eldon	117.41	29	P	PKIKP	14 14 25.5	+0.9
B06A	Marblemount	117.47	28	PFAKE	LR	14 14 40.0	+15
LON	Longmire	118.58	29	PFAKE	LR	14 14 40.0	+13
LTY	Liberty	118.76	28	PFAKE	LR	14 14 40.0	+13
FFC	Flin Flon	118.86	12	PFAKE	LR	14 14 40.0	+13
COR	Corvallis	119.33	32	PFAKE	LR	14 14 40.0	+12
C09A	Chrisman Ranch	119.45	26	PFAKE	LR	14 14 40.0	+11
NEW	Newport	119.60	25	PFAKE	LR	14 14 40.0	+11
H04A	Detroit Lake	119.84	31	PFAKE	LR	14 14 40.0	+11
I03D	Drain, OR	119.90	33	P	PKPpdf	14 14 29.1	-0.4
G06A	Carlson Farm	120.23	30	PFAKE	LR	14 14 40.0	+10

HUMO	Hull Mountain	120.85	33	PFAKE	LR	14 14 40.0	+8.5
PINE	Pine Mountain	121.10	31	PFAKE	LR	14 14 40.0	+7.8
F10A	Beach Ranch, E	121.30	27	PFAKE	LR	14 14 40.0	+7.6
J05D	Fort Rock, OR	121.30	32	P	PKIKP	14 14 33.3	+0.7
L04D	Klamath Falls	121.47	33	P	PKIKP	14 14 34.2	+1.3
YBH	Yreka Blue Hor	121.57	34	PFAKE	LR	14 14 40.0	+7.0
MSO	Missoula	122.06	24	ePKPpdf	LR	14 14 32.9	-0.9
MSO	Missoula	122.06	24	P	PKPpdf	14 14 33.4	-0.4
BMO	Blue Mountains	122.12	28	PFAKE	LR	14 14 40.0	+6.0
WDC	Whiskeytown Da	122.43	35	PFAKE	LR	14 14 50.0	+15
PLID	Pearl Lake	122.54	27	PFAKE	LR	14 14 50.0	+15
EGMT	Eagleton	122.67	21	ePKPpdf	LR	14 14 33.3	-1.6
EGMT	Eagleton	122.67	21	P	PKPpdf	14 14 34.9	0.0
MOD	Modoc Plateau	122.76	32	PFAKE	LR	14 14 50.0	+15
O03E	Paynes Creek	123.04	35	P	PKPpdf	14 14 35.9	+0.1
ORV	Oroville	123.71	35	PFAKE	LR	14 14 50.0	+13
DLMT	Dillon	123.80	25	PFAKE	LR	14 14 50.0	+13
BOZ	Bozeman (W)	124.00	24	ePKPpdf	LR	14 14 37.0	-0.5
BOZ	Bozeman (W)	124.00	24	PKIKP	PKPpdf	14 14 37.0	-0.5
DGMT	Dagmar	124.06	17	PFAKE	LR	14 14 50.0	+12
ULM	Lac du Bonnet	124.28	10	PKP	PKPpdf	14 14 36.4	-1.3
ULM	Lac du Bonnet	124.28	10	ePKPpdf	PKPpdf	14 14 36.6	-1.1
ULM	Lac du Bonnet	124.28	10	ePKIKP	PKPpdf	14 14 36.6	-1.1
AFDM	Forest Hills D	124.42	35	PFAKE	LR	14 14 50.0	+11
HLID	Hailey	124.44	27	PFAKE	LR	14 14 50.0	+11
PAHR	Pah Rah Range	124.40	34	PFAKE	LR	14 14 50.0	+10
RUBR	Rubicon Trail	124.82	35	PFAKE	LR	14 14 50.0	+10
VCNR	Virginia City	124.93	34	PFAKE	LR	14 14 50.0	+10
LAO	LASA Array	125.03	19	ePKPpdf	PKPpdf	14 14 37.1	-2.3
PNTR	Pine Nut	125.11	34	PFAKE	LR	14 14 50.0	+10
CHGQ	Chibougamau	125.14	353	P	PKPpdf	14 14 38.9	-0.5
RLMT	Red Lodge	125.31	22	PFAKE	LR	14 14 50.0	+9.5
LKWY	Lake	125.34	24	PFAKE	LR	14 14 50.0	+9.3
YPP	Pitchstone Pla	125.42	24	ePKPpdf	PKPpdf	14 14 38.2	-2.3
MATO	Matagami	125.62	355	P	PKPpdf	14 14 40.3	0.0
FLWY	Flagg Ranch	125.62	24	PFAKE	LR	14 14 50.0	+8.8
IMW	Indian Meadow	125.67	24	PFAKE	LR	14 14 50.0	+8.6
MNDN	Maddock	125.83	13	PFAKE	LR	14 14 50.0	+8.8
KVN	Kaiserville	125.96	33	ePKPpdf	PKPpdf	14 14 39.5	-2.1
KVN	Kaiserville	125.96	33	ePKPpdf	PKPpdf	14 14 39.5	-2.1
TPAW	Teton Pass	126.00	25	PFAKE	LR	14 14 50.0	+8.0
SNOW	Snow King Moun	126.11	25	PFAKE	LR	14 14 50.0	+7.8
BATG	Bathurst New B	126.13	346	PFAKE	LR	14 14 50.0	+8.2
AGMN	Agassiz Nation	126.17	10	PFAKE	LR	14 14 50.0	+8.2
ELK	Elko	126.21	30	ePKPpdf	PKPpdf	14 14 40.4	-1.7
ELK	Elko	126.21	30	ePKIKP	PKPpdf	14 14 40.4	-1.7
LSQQ	Lebel-sur-Quev	126.26	355	P	PKPpdf	14 14 41.3	-0.3
NV01	Mina Array Sit	126.29	34	ePKPpdf	PKPpdf	14 14 42.1	-0.1
NVAR	Mina Array Bea	126.29	34	PKP	PKPpdf	14 14 42.1	-0.1
NVAR	Auburn Hatcher	126.53	25	PFAKE	LR	14 14 50.0	+7.0
PQI	Presque Isle	127.16	347	PFAKE	LR	14 14 50.0	+6.2
EYMN	Ely	127.17	7	ePKPpdf	PKPpdf	14 14 42.3	-1.1
EYMN	Ely	127.17	7	P	PKPpdf	14 14 43.3	0.0
BW06	Boulder Array	127.17	24	PFAKE	LR	14 14 50.0	+5.7
PDAR	Pinedale Array	127.17	24	ePKPpdf	PKPpdf	14 14 44.1	+0.3
PDAR	Pinedale Array	127.17	24	PKP	PKPpdf	14 14 44.1	+0.3
HWUT	Hardware Ranch	127.26	26	PFAKE	LR	14 14 50.0	+5.5
C40A	Isle Royale Na	127.44	5	ePKPpdf	PKPpdf	14 14 43.0	-0.8
C40A	Isle Royale Na	127.44	5	P	PKPpdf	14 14 43.9	0.0
C40A	Cottonwood Cre	127.81	36	P	PKIKP	14 14 45.9	+0.2

DUG	Dugway, Tooele	127.82	29	P	PKPpdf	14 14 45.0	0.0
R11A	Troy Canyon, C	127.83	32	ePKPpdf	LR	14 14 43.4	-1.7
GRAC	Grapevine Rang	127.83	35	P	PKPpdf	14 14 44.7	-0.4
RSSD	Black Hills	128.02	19	PFAKE	LR	14 15 00.0	+14
RSSD	Black Hills	128.02	19	P	PKIKP	14 14 46.2	+0.2
D54A	Lac Fusel, La	128.12	354	P	PKIKP	14 14 45.7	-0.1
D53A	Lac Vavie, Po	128.28	355	ePKPpdf	LR	14 14 45.0	-0.5
D41A	Chassel	128.33	5	PFAKE	LR	14 15 00.0	+14
D41A	Chassel	128.33	5	P	PKPpdf	14 14 45.9	+0.3
D48A	Paudash Townsh	128.41	359	P	PKPpdf	14 14 45.3	-0.4
D52A	EK Kipawa Sen	128.44	356	P	PKPpdf	14 14 44.5	-1.3
K22A	Casper	128.45	22	PFAKE	LR	14 15 00.0	+13
E38A	The Farm, Brul	128.48	7	PFAKE	LR	14 15 00.0	+14
E38A	The Farm, Brul	128.48	7	P	PKPpdf	14 14 45.4	-0.5
TPNV	Topopah Spring	128.49	34	P	PKPpdf	14 14 46.1	-0.3
D47A	Chapleau	128.55	360	P	PKPpdf	14 14 46.1	+0.1
D46A	Sault St. Mari	128.71	1	P	PKPpdf	14 14 46.5	+0.2
PKME	Peaks-Kenny Pk	128.78	347	PFAKE	LR	14 15 00.0	+13
PKME	Peaks-Kenny Pk	128.78	347	P	PKPpdf	14 14 46.7	+0.3
EMMW	East Machias	128.87	346	PFAKE	LR	14 15 00.0	+13
E54A	Lac Daplat, Po	128.88	355	P	PKPpdf	14 14 46.3	-0.3
E44A	Grand Marais A	128.93	2	PFAKE	LR	14 15 00.0	+13
E51A	G1948 Merrick	128.96	357	P	PKIKP	14 14 47.7	+0.2
E53A	Dumoine, Ponti	128.98	355	P	PKIKP	14 14 47.2	-0.3
RWWY	Rawlins	129.02	23	PFAKE	LR	14 15 00.0	+12
E48A	Lockeyer	129.11	359	P	PKPpdf	14 14 46.7	-0.4
E43A	Lone Tree Farm	129.12	3	ePKPpdf	PKPpdf	14 14 45.8	-1.3
E43A	Lone Tree Farm	129.12	3	P	PKPpdf	14 14 46.7	-0.4
E50A	Wahnapitae	129.13	358	P	PKPpdf	14 14 47.4	+0.3
SHOC	Shoshone, Teco	129.22	35	P	PKPpdf	14 14 47.6	0.0
E46A	Sault Ste Mari	129.23	1	ePKPpdf	PKPpdf	14 14 46.4	-0.9
E46A	Sault Ste Mari	129.23	1	P	PKPpdf	14 14 46.9	-0.4
F39A	Loretta	129.23	7	P	PKPpdf	14 14 47.4	0.0
COWI	Conover	129.24	5	PFAKE	LR	14 15 00.0	+12
F40A	Park Falls	129.32	6	P	PKPpdf	14 14 47.7	+0.1
GSC	Goldstone, Bar	129.34	36	P	PKIKP	14 14 49.7	+1.0
ALGO	Algonquin Park	129.43	355	P	PKIKP	14 14 48.3	-0.1
WVL	Waterville	129.53	347	PFAKE	LR	14 15 00.0	+11
F51A	Arnstein	129.58	357	P	PKPpdf	14 14 48.1	+0.2
PEMO	Pembroke	129.63	354	P	PKPpdf	14 14 48.5	+0.4
SPMN	Marine on St.	129.66	9	PFAKE	LR	14 15 00.0	+11
F52A	Sundridge	129.68	356	P	PKPpdf	14 14 48.0	-0.2
F48A	Evansville	129.77	359	P	PKPpdf	14 14 47.6	-0.8
G39A	Holcombe	129.82	7	P	PKPpdf	14 14 47.6	-0.9
F45A	CMU Biological	129.88	2	P			

2d 13h

H48A H48A	Harrisville	130.90	0	PFAKE LR	LR	14 15 00.0 +8.6
NCB NCB	Newcomb	130.94	351	PFAKE LR	LR	14 15 00.0 +8.4
H43A H43A	Windswept, Lux	130.97	4	PFAKE LR	LR	14 15 00.0 +8.4
FFD FFD	Franklin Falls	130.99	349	PFAKE LR	LR	14 15 00.0 +8.4
PV14 PV14	Lion Creek, Pa	131.03	27	PFAKE LR	LR	14 15 00.0 +7.8
PV04 PV04	Paradox Valley	131.07	27	PFAKE LR	LR	14 15 00.0 +7.8
PV19 PV19	Morning Glory	131.10	27	PFAKE LR	LR	14 15 00.0 +7.7
PV16 PV16	Nyswonger Mesa	131.13	27	PFAKE LR	LR	14 15 00.0 +7.6
W13A W13A	Hualapai Mount	131.14	34	PFAKE LR	LR	14 15 00.0 +7.5
I41A I41A	Arkdale	131.19	6	PFAKE LR	LR	14 15 00.0 +8.0
PV18 PV18	Skein Mesa, Pa	131.19	27	PFAKE LR	LR	14 15 00.0 +7.5
ISCO ISCO	Idaho Springs	131.26	23	PFAKE LR	LR	14 15 00.0 +7.3
PECO PECO	Prince Edward	131.34	354	PFAKE LR	LR	14 15 00.0 +7.7
ACCN ACCN	Adirondack Com	131.43	351	PFAKE LR	LR	14 15 00.0 +7.5
I42A I42A	Draeger Farm,	131.45	5	PFAKE LR	LR	14 15 00.0 +7.4
I45A I45A	Fountain	131.50	3	PFAKE LR	LR	14 15 00.0 +7.4
OGNE OGNE	Ogallala	131.52	19	PFAKE LR	LR	14 15 00.0 +7.1
I47A I47A	Gladwin	131.57	1	PFAKE LR	LR	14 15 00.0 +7.2
I49A I49A	Point Hope	131.66	360	PFAKE LR	LR	14 15 00.0 +7.0
HRV HRV	Adam Dzewonsk	131.90	348	PFAKE LR	LR	14 15 00.0 +6.5
WES WES	Weston	131.96	348	PFAKE LR	LR	14 15 00.0 +6.4
TRY TRY	Troy	132.06	350	PFAKE LR	LR	14 15 00.0 +6.2
J55A J55A	Hilton	132.08	355	PFAKE LR	LR	14 15 00.0 +6.2
J45A J45A	Montague	132.09	3	PFAKE LR	LR	14 15 00.0 +6.2
J54A J54A	Appleton	132.14	355	PFAKE LR	LR	14 15 00.0 +6.1
Q24A Q24A	Divide	132.16	23	ePKPdf LR	PKPdf	14 14 51.7 -1.8
Q24A Q24A	Divide	132.16	23	P	PKPdf	14 14 51.8 -1.8
WU4Z WU4Z	Wupatki	132.17	31	PFAKE LR	LR	14 15 00.0 +5.5
MVCO MVCO	Mesa Verde	132.22	27	PFAKE LR	LR	14 15 00.0 +5.4
BGNE BGNE	Belgrade	132.23	15	PFAKE LR	LR	14 15 00.0 +5.7
MEDO MEDO	Medina	132.24	355	PFAKE LR	LR	14 15 00.0 +5.9
QUA2 QUA2	Belchertown	132.27	349	PFAKE LR	LR	14 15 00.0 +5.8
JFWS JFWS	Jewell Farm	132.27	7	PFAKE LR	LR	14 15 00.0 +5.7
J48A J48A	Bridge Port	132.30	0	PFAKE LR	LR	14 15 00.0 +5.7
J47A J47A	Summer	132.35	1	PFAKE LR	LR	14 15 00.0 +5.6
BRYW BRYW	Bryant College	132.46	348	PFAKE LR	LR	14 15 00.0 +5.3
Y14A Y14A	Wickenburg	132.49	34	PFAKE LR	LR	14 15 00.0 +5.0
S22A S22A	4UR Ranch, Cre	132.52	25	PFAKE LR	LR	14 15 00.0 +4.7
MMNV MMNV	Mt. Morris Dam	132.62	355	PFAKE LR	LR	14 15 00.0 +5.1
K55A K43A	Perry	132.63	355	P	PKPdf	14 14 54.0 +0.1
K43A K43A	Burlington	132.68	5	PFAKE LR	LR	14 15 00.0 +4.9
K43A K43A	Burlington	132.68	5	P	PKPdf	14 14 53.8 -0.1
RCBR RCBR	Riachuelo	132.78	266	PFAKE LR	LR	14 15 10.0 +1.4
K54A K54A	Basiliko Farm,	132.81	355	P	PKPdf	14 14 52.8 -1.4
K50A K50A	Casco	132.82	359	PFAKE LR	LR	14 15 00.0 +4.6
SCIA SCIA	State Center	132.82	10	PFAKE LR	LR	14 15 00.0 +4.6
113A 113A	Mohawk Valley,	132.91	36	PFAKE LR	LR	14 15 10.0 +1.4
BINY BINY	Binghamton	132.93	353	PFAKE LR	LR	14 15 10.0 +1.4
L40A L40A	Anamosa	132.99	8	PFAKE LR	LR	14 15 10.0 +1.4
KSCT KSCT	Kent School, K	133.01	350	PFAKE LR	LR	14 15 10.0 +1.4
KSCO KSCO	Kaye Shedlock	133.06	21	PFAKE LR	LR	14 15 10.0 +1.4
SDCO SDCO	Great Sand Dun	133.07	24	PFAKE LR	LR	14 15 10.0 +1.4
L42A L42A	Oliver, Polo	133.24	6	PFAKE LR	LR	14 15 10.0 +1.4
AAM AAM	Ann Arbor	133.30	0	PFAKE LR	LR	14 15 10.0 +1.4
YLE YLE	Yale	133.31	349	PFAKE LR	LR	14 15 10.0 +1.4
W18A W18A	Petrified Fore	133.31	30	PFAKE LR	LR	14 15 10.0 +1.3
L46A	Eue Claire	133.51	3	PFAKE		14 15 10.0 +1.3

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L46A	comp=Z,1µm,21.0s					
KSPA KSPA	Keystone Cole	133.53	352	PFAKE LR	LR	14 15 10.0 +1.3
X18A X18A	Snowflake	133.67	31	PFAKE LR	LR	14 15 10.0 +1.2
PAL PAL	Palisades	133.79	350	PFAKE LR	LR	14 15 10.0 +1.3
ODNJ ODNJ	Ogdensburg	133.82	351	PFAKE LR	LR	14 15 10.0 +1.3
ALLY ALLY	Alegheny Cole	133.86	357	PFAKE LR	LR	14 15 10.0 +1.2
M54A M54A	Oil Creek Stat	133.97	356	PFAKE LR	LR	14 15 10.0 +1.2
M44A M44A	Midewin, Midew	134.01	5	PFAKE LR	LR	14 15 10.0 +1.2
M52A M52A	Chesterland	134.03	358	PFAKE LR	LR	14 15 10.0 +1.2
T25A T25A	Trinidad	134.03	24	PFAKE LR	LR	14 15 10.0 +1.2
M48A M48A	Edgerton	134.10	1	PFAKE LR	LR	14 15 10.0 +1.2
M46A M46A	Old House Fiel	134.11	3	PFAKE LR	LR	14 15 10.0 +1.2
N59A N59A	State Game Lan	134.16	352	PFAKE LR	LR	14 15 10.0 +1.2
M50A M50A	Fremont	134.20	360	PFAKE LR	LR	14 15 10.0 +1.2
BRNJ BRNJ	Basking Ridge	134.21	351	PFAKE LR	LR	14 15 10.0 +1.2
N41A N41A	Harden Midland	134.37	8	PFAKE LR	LR	14 15 10.0 +1.1
N54A N54A	Moraine State	134.54	356	PFAKE LR	LR	14 15 10.0 +1.1
N55A N55A	Marion Center	134.65	355	PFAKE LR	LR	14 15 10.0 +1.1
N49A N49A	Columbus Grove	134.67	1	PFAKE LR	LR	14 15 10.0 +1.1
N51A N51A	Ashland	134.68	359	PFAKE LR	LR	14 15 10.0 +1.1
SSPA SSPA	Standing Stone	134.69	354	PFAKE LR	LR	14 15 10.0 +1.1
HDIL HDIL	Hopedale	134.71	6	PFAKE LR	LR	14 15 10.0 +1.1
N53A N53A	Lisbon	134.74	357	PFAKE LR	LR	14 15 10.0 +1.1
KSU1 KSU1	Kansas State U	134.79	15	PFAKE LR	LR	14 15 10.0 +1.1
PAGS PAGS	Pennsylvania G	134.96	353	PFAKE LR	LR	14 15 10.0 +1.0
ANMO ANMO	Albuquerque	135.02	27	PFAKE LR	LR	14 15 10.0 +1.0
ANMO ANMO	Albuquerque	135.02	27c	ePKIKP pmax	PKIKP	14 15 01.4 +1.1
PSUB PSUB	Penn St - Bra	135.09	351	PFAKE LR	LR	14 15 10.0 +1.0
SFIN SFIN	Lafayette	135.09	4	PFAKE LR	LR	14 15 10.0 +1.0
O56A O56A	Blue Knob Stat	135.12	355	PFAKE LR	LR	14 15 10.0 +1.0
ACSO ACSO	Alum Creek Sta	135.37	360	PFAKE LR	LR	14 15 10.0 +9.4
O49A O49A	Covington	135.40	1	PFAKE LR	LR	14 15 10.0 +9.3
O52A O52A	Adamsville	135.46	358	PFAKE LR	LR	14 15 10.0 +9.2
Y22D Y22D	IRIS PASSCAL I	135.52	28	PFAKE LR	LR	14 15 10.0 +8.7
SDMD SDMD	Soldier's Deli	135.78	353	PFAKE LR	LR	14 15 10.0 +8.5
MCWV MCWV	Mont Chateau	135.83	356	PFAKE LR	LR	14 15 10.0 +8.4
P45A P45A	Graceland, Par	135.88	5	PFAKE LR	LR	14 15 10.0 +8.3
P53A P53A	Whipple	136.08	358	PFAKE LR	LR	14 15 10.0 +7.9
P48A P48A	Milroy	136.10	2	PFAKE LR	LR	14 15 10.0 +7.9
P51A P51A	Williamsport	136.12	360	PFAKE LR	LR	14 15 10.0 +7.9
BLO BLO	Bloomington	136.33	4	PFAKE LR	LR	14 15 10.0 +7.4
SLM SLM	Saint Louis	136.49	8	PFAKE LR	LR	14 15 10.0 +7.1
Q54A Q54A	Coxs Mills	136.56	357	PFAKE LR	LR	14 15 10.0 +6.9
Q51A Q51A	Peebles	136.57	0	PFAKE LR	LR	14 15 10.0 +6.9
OLIL OLIL	Olney	136.64	5	PFAKE LR	LR	14 15 10.0 +6.8
U32A U32A	Winter Ranch,	136.65	19	PFAKE LR	LR	14 15 10.0 +6.6
CCM CCM	Cathedral Cave	136.91	9	PFAKE LR	LR	14 15 10.0 +6.2
CBN CBN	Corbin Frederi	137.04	353	PFAKE LR	LR	14 15 10.0 +6.0
AMTX AMTX	Amarillo	137.07	22	PFAKE LR	LR	14 15 10.0 +5.6
R55A R55A	Marlinton	137.21	356	PFAKE LR	LR	14 15 10.0 +5.5
R53A R53A	Hurricane	137.25	358	PFAKE LR	LR	14 15 10.0 +5.5
R49A R49A	Shelbyville	137.27	2	PFAKE LR	LR	14 15 10.0 +5.5
WCI WCI	Wyandotte Cave	137.28	3	PFAKE LR	LR	14 15 10.0 +5.5
HSIG HSIG		137.29	37	PFAKE LR	LR	14 15 10.0 +5.2
R50A R50A	Paris	137.31	1	PFAKE LR	LR	14 15 10.0 +5.4
R58B	Mineral	137.33	354	PFAKE		14 15 10.0 +5.4

R58B	comp=Z,2µm,20.0s					
USIN USIN	University of	137.44	5	PFAKE LR	LR	14 15 10.0 +5.1
MSTX MSTX	Muleshoe	137.44	24	PFAKE LR	LR	14 15 10.0 +4.8
EPT EPT	El Paso	137.60	30	PFAKE LR	LR	14 15 10.0 +4.4
S57A S57A	Dark Hollow, R	137.64	355	PFAKE LR	LR	14 15 10.0 +4.7
S58A S58A	Poland Farm, P	137.70	354	PFAKE LR	LR	14 15 10.0 +4.6
S51A S51A	Beattyville	137.96	0	PFAKE LR	LR	14 15 10.0 +4.0
T60A T60A	Surry	138.00	352	PFAKE LR	LR	14 15 10.0 +4.0
TUL1 TUL1	Leonard	138.02	15	PFAKE LR	LR	14 15 10.0 +3.9
HHAR HHAR	Hobbs	138.11	13	PFAKE LR	LR	14 15 20.0 +1.4
MNTX MNTX	Cornudas Mount	138.21	29	PFAKE LR	LR	14 15 20.0 +1.3
WMOK WMOK	Wichita Mounta	138.23	19	PFAKE LR	LR	14 15 20.0 +1.3
T59A T59A	Double "B" Far	138.28	353	PFAKE LR	LR	14 15 20.0 +1.3
T45A T45A	Paducah	138.28	6	PFAKE LR	LR	14 15 20.0 +1.3
PBMO PBMO	Poplar Bluff	138.28	9	PFAKE LR	LR	14 15 20.0 +1.3
BLA BLA	Blacksburg	138.30	357	PFAKE LR	LR	14 15 20.0 +1.3
T57A T57A	Hurt	138.43	355	PFAKE LR	LR	14 15 20.0 +1.3
T49A T49A	Edmonton	138.44	3	PFAKE LR	LR	14 15 20.0 +1.3
T47A T47A	Sharon Grove	138.46	5	PFAKE LR	LR	14 15 20.0 +1.3
T52A T52A	Hallie	138.49	360	PFAKE LR	LR	14 15 20.0 +1.3
PARMO PARMO	Parma	138.49	8	PFAKE LR	LR	14 15 20.0 +1.3
PVMO PVMO	Portageville	138.75	8	PFAKE LR	LR	14 15 20.0 +1.2
U61A U61A	Possum Corner	138.76	352	PFAKE LR	LR	14 15 20.0 +1.2
FCAR FCAR	Ozark Folk Cen	138.87	11	PFAKE LR	LR	14 15 20.0 +1.2
U59A U59A	Littleton	138.92	353	PFAKE LR	LR	14 15 20.0 +1.2
GLAT GLAT	Glass	138.94	7	PFAKE LR	LR	14 15 20.0 +1.2
TZTN TZTN	Tazewell	139.05	0	PFAKE LR	LR	14 15 20.0 +1.2
U54A U54A	Nelsons Funny					

KMSC	comp=Z,1µm,22.0s	LR	LR		
X43A	Marvell	140.42	10	PFAKE	LR
X43A	comp=Z,1µm,22.0s				14 15 20.0 +8.9
W52A	Murphy	140.50	1	PFAKE	LR
W52A	comp=Z,1µm,20.0s				14 15 20.0 +8.7
BG3	Lake Jocassee	140.60	360	PFAKE	LR
BG3	comp=Z,1µm,20.0s				14 15 20.0 +8.5
PAULI	Pauline	140.75	358	PFAKE	LR
PAULI	comp=Z,1µm,22.0s				14 15 20.0 +8.3
WLAR	White Oak Lake	140.79	13	PFAKE	LR
WLAR	comp=Z,1µm,22.0s				14 15 20.0 +8.2
CCAR	Cane Creek	140.85	11	PFAKE	LR
CCAR	comp=Z,1µm,21.0s				14 15 20.0 +8.1
X58A	Rowland	140.86	355	PFAKE	LR
X58A	comp=Z,1µm,19.0s				14 15 20.0 +8.1
X48A	Hartselle	140.98	5	PFAKE	LR
X48A	comp=Z,900nm,21.0s				14 15 20.0 +7.8
TXAR	Lajitas Array	140.99	29	PKHCP	PKPpre
TXAR	comp=Z,1.0nm,0.7s,baz=216,slow=1.6,SNR=5.9				14 15 04.1
X51A	Calhoun	141.00	2	PFAKE	LR
X51A	comp=Z,1µm,20.0s				14 15 20.0 +7.7
WHTX	Lake Whitney	141.18	19	PFAKE	LR
WHTX	comp=Z,1µm,20.0s				14 15 20.0 +7.3
JSC	Jenkinsville	141.26	357	PFAKE	LR
JSC	comp=Z,1µm,22.0s				14 15 20.0 +7.2
Z41A	Richland Creek	141.27	13	PFAKE	LR
Z41A	comp=Z,800nm,21.0s				14 15 20.0 +7.2
Y60A	Bolivia	141.28	353	PFAKE	LR
Y60A	comp=Z,2µm,21.0s				14 15 20.0 +7.2
HODGE	Hodges	141.35	359	PFAKE	LR
HODGE	comp=Z,1µm,21.0s				14 15 20.0 +7.0
Y57A	Sumter	141.47	356	PFAKE	LR
Y57A	comp=Z,900nm,20.0s				14 15 20.0 +6.8
Y58A	Scranton	141.53	355	PFAKE	LR
Y58A	comp=Z,900nm,22.0s				14 15 20.0 +6.7
Y49A	Blount Mountain	141.62	4	PFAKE	LR
Y49A	comp=Z,800nm,20.0s				14 15 20.0 +6.4
JCT	Junction City	141.70	23	PFAKE	LR
JCT	comp=Z,1µm,22.0s				14 15 20.0 +6.1
Y52A	Libburn	141.72	1	PFAKE	LR
Y52A	comp=Z,2µm,21.0s				14 15 20.0 +6.2
GOGA	Godfrey	142.18	0	PFAKE	LR
GOGA	comp=Z,1µm,20.0s				14 15 20.0 +5.3
Z56A	Williston	142.22	357	PFAKE	LR
Z56A	comp=Z,1µm,21.0s				14 15 20.0 +5.2
NATX	Nacogdoches	142.24	16	PFAKE	LR
NATX	comp=Z,1µm,21.0s				14 15 20.0 +5.1
435B	Jarrell	142.25	20	PFAKE	LR
435B	comp=Z,1µm,20.0s				14 15 20.0 +5.1
Z50A	Ashland	142.25	4	PFAKE	LR
Z50A	comp=Z,1µm,19.0s				14 15 20.0 +5.1
PLCA	Paso Flores	142.26	196	PKHCP	PKPpre
PLCA	comp=Z,1.1nm,0.9s,baz=208,slow=5.1,SNR=8.2				14 15 07.7
NHSC	New Hope	142.36	356	PFAKE	LR
NHSC	comp=Z,1µm,20.0s				14 15 20.0 +4.9
LRAL	Lakeview Retire	142.39	5	PFAKE	LR
LRAL	comp=Z,1µm,21.0s				14 15 20.0 +4.9
VBMS	Vicksburg	142.73	10	PFAKE	LR
VBMS	comp=Z,1µm,21.0s				14 15 20.0 +4.2
152A	Waverly Hall	142.89	2	PFAKE	LR
152A	comp=Z,2µm,21.0s				14 15 20.0 +3.8
154A	Montrose	142.97	360	PFAKE	LR
154A	comp=Z,1µm,22.0s				14 15 20.0 +3.7
250A	Grady	143.50	4	PFAKE	LR
250A	comp=Z,1µm,21.0s				14 15 20.0 +2.6
253A	Americus	143.51	1	PFAKE	LR
253A	comp=Z,1µm,19.0s				14 15 20.0 +2.5
257A	Skidaway Islan	143.54	357	PFAKE	LR
257A	comp=Z,1µm,20.0s				14 15 20.0 +2.5
G006	Curarrehue	143.58	195	ePKPdf	PKPbc
G006	HKT Hockley	143.59	18	PFAKE	LR
HKT	comp=Z,1µm,22.0s				14 15 12.5 +1.0
BDFB	Brasilia	143.63	250	PKP	PKPbc
BDFB	comp=Z,10nm,0.5s,baz=93,slow=2.3,SNR=11				14 15 13.3 +1.0
BDFB	Brasilia	143.63	250	ePKPdf	PKPbc
BDFB	comp=Z,900nm,21.0s				14 15 13.3 -1.5
BDFB	Brasilia	143.63	250	ePKIKP	PKPbc
BDFB	comp=Z,900nm,21.0s				14 15 12.6 +0.3
255A	Hazelhurst	143.65	359	PFAKE	LR
255A	comp=Z,1µm,21.0s				14 15 20.0 +2.3
833A	Chaparral WMA	143.77	24	PFAKE	LR
833A	comp=Z,800nm,19.0s				14 15 30.0 +1.2
352A	Blakely	144.07	2	PFAKE	LR
352A	comp=Z,1µm,20.0s				14 15 30.0 +1.1
TIGA	Triton	144.14	0	PFAKE	LR
TIGA	comp=Z,1µm,22.0s				14 15 30.0 +1.1
BRAL	Brewton	144.24	5	PFAKE	LR
BRAL	comp=Z,1µm,19.0s				14 15 30.0 +1.1
453A	Whigham	144.71	1	PFAKE	LR
453A	comp=Z,1µm,19.0s				14 15 30.0 +1.0
456A	Hilliard	144.83	358	PFAKE	LR
456A	comp=Z,900nm,21.0s				14 15 30.0 +1.0
451A	Vernon	144.89	4	PFAKE	LR
451A	comp=Z,2µm,20.0s				14 15 30.0 +1.0
555A	McAlpin	145.46	359	PFAKE	LR
555A	comp=Z,1µm,21.0s				14 15 30.0 +8.5
656A	Willston	146.20	359	PFAKE	LR
656A	comp=Z,800nm,20.0s				14 15 30.0 +6.9
LNIG	Linares	146.72	27	PFAKE	LR
LNIG	comp=Z,700nm,22.0s				14 15 30.0 +5.7
ZAIG	Zacatecas	146.91	34	PFAKE	LR
ZAIG	comp=Z,900nm,22.0s				14 15 30.0 +4.9
CPUP	Villa Florida	147.08	226	PKPbc	PKPbc
CPUP	comp=Z,30nm,1.0s,baz=101,slow=3.0,SNR=18				14 15 22.6 +0.2
DWPF	Disney Wildern	147.41	357	PFAKE	LR
DWPF	comp=Z,700nm,20.0s				14 15 30.0 +4.4
957A	Wimauma	147.88	358	PFAKE	LR
957A	comp=Z,1µm,21.0s				14 15 30.0 +3.0
060A	Indiantown	148.40	355	PFAKE	LR
060A	comp=Z,1µm,21.0s				14 15 30.0 +0.9
059A	Moore Haven	148.53	356	PFAKE	LR
059A	comp=Z,800nm,22.0s				14 15 30.0 +0.4

061Z	Ochoppi	149.61	356	PFAKE	LR
061Z	comp=Z,1µm,22.0s				14 15 30.0 -0.2
CFA	Coronel Fontan	149.65	206	PKP	PKPdf
CFA	comp=Z,25nm,0.8s,baz=249,slow=1.1,SNR=15				14 15 25.6 +1.1
CFA	comp=Z,91nm,1.0s,baz=169,slow=2.2,SNR=40				14 15 30.4 +0.2
APLL	PUNTA DE LOS	149.86	210	eP	PKPdf
APLL	St. Maarten	149.90	319	PFAKE	LR
SMRT	comp=Z,600nm,22.0s				14 15 26.4 +1.5
SEUS	St. Eustatius	150.24	318	PFAKE	LR
SEUS	comp=Z,800nm,21.0s				14 15 40.0 +4.5
SABA	Saba	150.32	319	PFAKE	LR
SABA	comp=Z,600nm,20.0s				14 15 40.0 +3.1
ACLO	CERRO LA CRUZ	150.87	210	eP	PKPdf
CYA	Choya	151.05	213	eP	PKPdf
GRTK	Grand Turk	151.42	336	PFAKE	LR
GRTK	comp=Z,800nm,20.0s				14 15 27.8 +1.1
MTP	Monte Pirata	151.43	323	ePKPbc	PKPbc
AGUA	GUANDACOL	151.56	208	eP	PKPdf
SJG	San Juan	151.77	324	PFAKE	LR
SJG	comp=Z,400nm,21.0s				14 15 28.8 +1.1
SVB	Belmont	151.79	309	PFAKE	LR
SVB	comp=Z,600nm,22.0s				14 15 40.0 -3.2
VCA	Vinchina	152.05	209	eP	PKPdf
AHML	Horco Molle	152.05	216	eP	PKPdf
OBIP	Obispo Ponce	152.09	324	ePKPdf	PKPdf
LVIG	Laguna Verde	152.59	28	PFAKE	LR
LVIG	comp=Z,500nm,22.0s				14 15 30.8 +2.3
FSA	Cafayeta	152.94	216	eP	PKPdf
TLIG	TLIga	153.31	34	PFAKE	LR
TLIG	comp=Z,900nm,22.0s				14 15 32.9 +3.0
SLA	San Lorenzo	153.68	219	eP	PKPdf
SDDR	Presa de Saban	153.72	334	PFAKE	LR
SDDR	comp=Z,700nm,21.0s				14 15 32.4 +1.5
AZAP	Zapla	153.75	220	eP	PKPdf
TEIG	Tepich	154.83	11	PFAKE	LR
TEIG	comp=Z,700nm,21.0s				14 15 32.4 +1.3
SIV	San Ignacio	155.40	241	PKP	PKPdf
SIV	comp=Z,2.8nm,1.0s,baz=134,slow=2.3,SNR=6.4				14 15 33.8 +0.4
SIV	comp=Z,12nm,0.9s,baz=108,slow=3.7,SNR=12				14 16 00.2 +1.3
PTGA	Pitinga	156.36	279	PKP	PKPdf
PTGA	comp=Z,1.6nm,1.0s,baz=98,slow=8.6,SNR=3.1				14 19 37.5 +2.3
PTGA	comp=Z,1.4nm,0.4s,baz=147,slow=3.1,SNR=4.3				14 15 35.3 +0.6
PTGA	comp=Z,12nm,0.8s,baz=78,slow=3.3,SNR=7.6				14 16 04.9 +1.8
MTDJ	Mount Denham	156.59	346	PFAKE	LR
MTDJ	comp=Z,600nm,20.0s				14 15 40.0 +5.3
LVC	Limon Verde	157.33	217	PKP	PKPdf
LVC	comp=Z,8.7nm,1.1s,baz=231,slow=4.3,SNR=2.3				14 15 50.0 -1.4
CCIG	Comitan	157.47	23	PFAKE	LR
CCIG	comp=Z,20nm,0.9s,baz=3.3,slow=1.4,SNR=8.0				14 15 36.9 +0.7
PB11	IPOC Station P	159.91	220	ePKPdf	PKPdf
PB11	comp=Z,1µm,22.0s				14 16 09.5 +2.2
LPAZ	La Paz	161.11	231	PKP	PKPbc
LPAZ	comp=Z,11nm,1.0s,baz=52,slow=4.9,SNR=17				14 15 37.2 -1.8
LPAZ	comp=Z,14nm,1.0s,baz=166,slow=2.9,SNR=8.1				14 15 19.3 +1.1
LPAZ	comp=Z,14nm,1.0s,baz=166,slow=2.9,SNR=8.1				14 15 40.9 -0.1
LPAZ	comp=Z,14nm,1.0s,baz=166,slow=2.9,SNR=8.1				14 16 25.8 +1.6
LPAZ	comp=Z,14nm,1.0s,baz=166,slow=2.9,SNR=8.1				14 15 39.1 -1.9
SDV	Santo Domingo	161.16	231	ePKIKP	PKPbc
SDV	comp=Z,6.9nm,0.4s,baz=39,slow=6.6,SNR=4.5				14 15 39.1 -1.9
ACOM	Acopya	163.42	6	ePKPdf	PKPdf
ACOM	comp=Z,1µm,22.0s				14 15 26.1 +0.5
ACOM	comp=Z,1µm,22.0s				14 15 40.4 -2.2

AGG	comp=E,170µm,0.3s	S	AML	Sg	AML	13 59 18.0 -0.1
AGG	comp=E,170µm,0.3s	S	AML	Sg	AML	13 59 23.5
AGG	comp=E,170µm,0.3s	S	AML	Sg	AML	13 59 25.5
EVR	Evryntia	1.20	183	P	Pb	13 59 03.8 +0.2
EVR	Evryntia	1.20	183	P	Pg	13 59 03.9 -0.3
EVR	Evryntia	1.20	183	S	Sg	13 59 20.1 +0.3
EVR	comp=E,153µm,0.3s	S	AML	Sg	AML	13 59 24.9
EVR	comp=E,153µm,0.3s	S	AML	Sg	AML	13 59 25.3
EVR	Evryntia	1.20	183	P	Pb	13 59 03.7 +0.1
EVR	Evryntia	1.20	183	S	Sg	13 59 20.6 +0.8
EVR	comp=E,153µm,0.3s	S	AML	Sg	AML	13 59 24.9
EVR	comp=N,164µm,0.3s	S	AML	Sg	AML	13 59 25.3
XOR	Xorichti	1.26	126	P	Pb	13 59 04.7 +0.1
XOR	Xorichti	1.26	126	S	Sg	13 59 23.9 +2.2
XOR	comp=N,223µm,0.5s	S	AML	Sg	AML	13 59 27.6
XOR	comp=E,110µm,0.4s	S	AML	Sg	AML	13 59 28.3
XOR	Xorichti	1.26	126	P	Pb	13 59 04.6 0.0
XOR	Xorichti	1.26	126	S	Sg	13 59 21.4 +0.3
ANX	Ano Chora	1.52	179	P	Pb	13 59 09.4 +0.3
SKIA	Skiathos	1.55	127	P	Pb	13 59 09.1 -0.5

ISCJB 02 13:59:43.1±0.5,33'51N,0°02:35'68E,0.05,h6km,5km,
 Error ellipse: s-maj=7.0km s-min=3.2km az=179.0
 GRAL 02 13:59:43.7±0.3,33'50N,35'67E,h3km,3km,MD3.0
 GII 02 13:59:43.0±0.3,33'47N,35'68E,h4km,MD2.0/4
 ISC 02 13:59:43.4±0.9,33'51N,0°02:35'67E,0.04,h7km,27km,
 n20,±044/32,Jordan-Syria region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
QRWL	Qaraoun	0.04	10	Op	ISC	h m s ISC
RCY	Rachaya	0.14	84	eP	Pg	13 59 44.8 -0.2
SHBL	Chebaa	0.17	160	eP	Pg	13 59 46.4 -0.3
SHBL	Chebaa	0.17	160	eS	Sg	13 59 46.9 -0.4

Table with columns: GKN, Gorkha, PKN, PKI, Station Name, Azimuth, Phase ID, Time, Res. Includes data for Gorkha, Phulchoki, and Pulchoki.

ISC 02 14:14:19.71, 1.27, 32N, 54.91E, h0km, mb3.9/1, mb1 4.1/15, mb1mx3.9/49, mbimp3.9/15, ML3.4/4, Error ellipse: s-maj=24.6km s-min=18.3km az=11.0

ISC 02 14:14:21.0, 0.3, 27.26N, 0.04, 54.81E, 0.05, h17km, mb3.9/15, Error ellipse: s-maj=6.3km s-min=4.9km az=154.6

NEIC 02 14:14:21.5, 0.4, 27.32N, 54.90E, h10km, mb4.1/3, ML3.7(THR), Error ellipse: s-maj=8.1km s-min=6.9km az=221.0

THR 02 14:14:22.4, 27.34N, 55.13E, h16km, ML3.7

TEH 02 14:14:23.3, 27.28N, 55.00E, h17km, ML3.6

ISC 02 14:14:21.7, 0.5, 27.18N, 0.03, 54.99E, 0.04, h17km, n60, a=117/62, mb3.9/15, Southern Iran

Main station list table for the first section, including columns for Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like GENO, SHME, LMDI, NIAN, etc.

DJA 02 14:20:02.6, 0.8, 5°N, 5°9'7"E, 1.0, h27km, 9km, M3.9/7, MLV3.9/7

ISCJB 02 14:20:03.6, 0.9, 4.69N, 0.05, 96.61E, 0.07, h35km, mb3.6/3, Error ellipse: s-maj=10.2km s-min=6.4km az=12.6

ISC 02 14:20:05.4, 2.2, 2.57N, 96.11E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.4/55, mbimp3.6/4, ML3.1/1, Error ellipse: s-maj=67.0km s-min=30.1km az=50.0

ISC 02 14:20:03.6, 1.4, 4.72N, 0.06, 96.55E, 0.09, h35km, n9, a=64/12, mb3.9/3, Northern Sumatera

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like MLI, LHM, TPT, KCSI, etc.

Table with columns: SCPH, SCPH, BUTP, BUTP, MSLP, MSLP, CGP, CGP, MUSAN, MUSAN, BUKP, BUKP, LLLP, LLLP, PLP, PLP, OCLP, OCLP, BESE, BESE, GESP, GESP, CTBH, CTBH, MATI, MATI, MATI, MATI, PAGZ, PAGZ, CNP, CNP, IPIL, IPIL, IPIL, IPIL. Lists stations like Surigao, Butuan, Masin, Cagayan de Oro, Musan, Lapu-Lapu, Palo, Ormoc, Borongan, Cotabato-PC H, Mati, Pagadian, Catarman, Ipil.

ISC 02 14:35:46.0, 8.1, 20.43S, 177.78W, h307km, 80km, mb3.6/3, mb1 3.8/9, mb1mx3.5/26, mbimp2.0/3, Error ellipse: s-maj=31.7km s-min=19.7km az=38.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like URZ, URZ, CTA, CTA, STKA, STKA, JAY, JAY, ASAR, ASAR, WRA, WRA, Vnda, Vnda, ILAR, ILAR, PDAR, PDAR.

JMA 02 14:48:02.4, 36.77N, 136.86E, h9km, 1km, M3.5, 1C-4D Broadband fault plane solution: P waves, NP1: 0.34, 0.00000, 0.875, 0.00000, 123.00000, NP2: 0.145, 0.00000, 0.836, 0.00000, 126.00000, Principal axes: T P1g49.0000, Azm340.0000, N P1g32.0000, Azm204.0000, P P1g23.0000, Azm99.0000, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like JJH, JJH, JTT, JTT, JKG, JKG, JGN, JGN, JGN, JGN, JSZ, JSZ, JMS, JMS, MAT, MAT.

TRN 02 15:00:04.1, 17.72N, 63.40W, h16km, MD3.5, Leeward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like SABA, SABA, SMRT, SMRT, SEUS, SEUS, SKDB, SKDB, SKDB, SKDB, SKI, SKI, SKTB, SKTB, NVRH, NVRH, NVRH, NVRH, NEV, NEV, MLYT, MLYT, ANWB, ANWB, BPA, BPA.

TAP 02 15:08:34.7, 24.85N, 122.03E, h5km, ML2.7, C ISCJB 02 15:08:35.3, 0.4, 24.86N, 0.02, 122.08E, 0.02, h7km, 3km, Error ellipse: s-maj=3.4km s-min=3.2km az=15.0

JMA 02 15:08:35.9, 0.1, 24.85N, 122.01E, h32km, M2.1

ISC 02 15:08:35.6, 0.9, 24.86N, 0.02, 122.04E, 0.02, h18km, 2km, n44, a=90/68, 2C, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like TWB1, TWB1, NTC, NTC, NTC, NTC, TIPB, TIPB, TIPB, TIPB, ILA, ILA, ILA, ILA, TWC, TWC, EOS1, EOS1, EOS1, EOS1, NWF, NWF, WFSB, WFSB, WFSB, WFSB, TWE, TWE, SLBB, SLBB, SLBB, SLBB, TWA, TWA, TWA, TWA.

Table with columns: NANB, NANB, ENA, ENA, TATO, TATO, YMO1, YMO1, YMO8, YMO8, YMO10, YMO10, NDT, NDT, YMO4, YMO4, YMO3, YMO3, ANP, ANP, TWS1, TWS1, TWS1, TWS1, NTST, NTST, YHNB, YHNB, NSK, NSK, WLBT, WLBT, NNSB, NNSB, NNS, NNS, PCYT, PCYT, NCU, NCU, NACB, NACB, NACB, NACB, ET LH, ET LH, ET LH, ET LH, TWD, TWD, JYNG, JYNG, LIOB, LIOB, NSTT, NSTT, NSTT, NSTT, YOJ, YOJ, YOJ, YOJ, IRIF, IRIF, JKRS, JKRS, JIJ, JIJ, JISG, JISG.

ISC 02 15:08:58.0, 1.8, 22.29N, 122.37E, h0km, mb3.7/2, mb1 3.8/3, mb1mx3.3/44, mbimp3.7/3, ML3.2/1, MS3.6/1, Ms1 3.1/1, ms1mx2.7/42, Error ellipse: s-maj=117.2km s-min=30.3km az=78.0

ISCJB 02 15:09:18.2, 0.7, 24.69N, 0.02, 122.62E, 0.01, h14km, 5km, mb3.5/1, MS3.6/1, Error ellipse: s-maj=3.5km s-min=2.0km az=18.8

JMA 02 15:09:18.5, 24.66N, 122.60E, h26km, 1km, M3.2

TAP 02 15:09:18.6, 24.70N, 122.53E, h12km, 1km, ML3.5, C

ISC 02 15:09:17.1, 1.1, 24.68N, 0.02, 122.61E, 0.02, h4km, 9km, n76, a=81/128, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like JYNG, JYNG, LIOB, LIOB, NSTT, NSTT, YOJ, YOJ, YOJ, YOJ, IRIF, IRIF, JKRS, JKRS, JIJ, JIJ, JISG, JISG.

ISC 02 15:08:58.0, 1.8, 22.29N, 122.37E, h0km, mb3.7/2, mb1 3.8/3, mb1mx3.3/44, mbimp3.7/3, ML3.2/1, MS3.6/1, Ms1 3.1/1, ms1mx2.7/42, Error ellipse: s-maj=117.2km s-min=30.3km az=78.0

ISCJB 02 15:09:18.2, 0.7, 24.69N, 0.02, 122.62E, 0.01, h14km, 5km, mb3.5/1, MS3.6/1, Error ellipse: s-maj=3.5km s-min=2.0km az=18.8

JMA 02 15:09:18.5, 24.66N, 122.60E, h26km, 1km, M3.2

TAP 02 15:09:18.6, 24.70N, 122.53E, h12km, 1km, ML3.5, C

ISC 02 15:09:17.1, 1.1, 24.68N, 0.02, 122.61E, 0.02, h4km, 9km, n76, a=81/128, Taiwan region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like TWB1, TWB1, TWC, TWC, TWC, TWC, NTC, NTC, NTC, NTC, TIPB, TIPB, TIPB, TIPB, ILA, ILA, ILA, ILA, NANB, NANB, ENA, ENA, ENA, ENA, NWF, NWF, WFSB, WFSB, WFSB, WFSB, TWE, TWE, TWE, TWE, SLBB, SLBB, SLBB, SLBB, TWA, TWA, TWA, TWA.

ISC 02 15:08:58.0, 1.8, 22.29N, 122.37E, h0km, mb3.7/2, mb1 3.8/3, mb1mx3.3/44, mbimp3.7/3, ML3.2/1, MS3.6/1, Ms1 3.1/1, ms1mx2.7/42, Error ellipse: s-maj=117.2km s-min=30.3km az=78.0

ISCJB 02 15:09:18.2, 0.7, 24.69N, 0.02, 122.62E, 0.01, h14km, 5km, mb3.5/1, MS3.6/1, Error ellipse: s-maj=3.5km s-min=2.0km az=18.8

JMA 02 15:09:18.5, 24.66N, 122.60E, h26km, 1km, M3.2

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like TWB1, TWB1, TWC, TWC, TWC, TWC, NTC, NTC, NTC, NTC, TIPB, TIPB, TIPB, TIPB, ILA, ILA, ILA, ILA, NANB, NANB, ENA, ENA, ENA, ENA, NWF, NWF, WFSB, WFSB, WFSB, WFSB, TWE, TWE, TWE, TWE, SLBB, SLBB, SLBB, SLBB, TWA, TWA, TWA, TWA.

TOA1	comp=Z,290nm,19.2s,ba	93.77	283	eP	P	15 50 02.7	+0.2
TOLK	Toolik Lake Re	94.16	20	eP	P	15 50 01.5	-1.7
TOLK	Toolik Lake Re	94.16	20	P	P	15 50 02.4	-0.9
QSPA	South Pole Qui	94.55	180	eP	P	15 50 04.9	-0.2
MLY	comp=Z,5.2nm,1.2s	95.17	23	eP	P	15 50 05.9	-2.0
ESDC	Monica Array	95.20	310	P	P	15 50 07.4	-1.2
ESDC	comp=Z,0.2nm,0.4s,ba	16 07 04.8	+1.3	PKKPbc			
ESDC	comp=Z,97nm,18.4s,ba	16 38 36.5		LR			
BPAW	Bear Paw Mtn.	95.42	24	eP	P	15 50 06.6	-2.5
MCK	comp=Z,1.6nm,1.0s	96.40	24	eP	P	15 50 12.3	-1.2
MCK	McKinley	96.40	24	eP	P	15 50 12.3	-1.2
MCK	McKinley	96.40	24	eP	P	15 50 12.3	-1.2
RND	Reindeer	96.57	24	eP	P	15 50 13.5	-0.9
RND	Reindeer	96.57	24	eP	P	15 50 13.5	-0.9
ILAR	comp=Z,1.4nm,1.5s	96.77	23	P	P	15 50 14.4	-0.7
ILAR	Eielson Array	96.77	23	P	P	15 50 14.4	-0.7
ILAR	comp=Z,0.3nm,0.6s,ba	16 36 23.6		LR			
ILAR	comp=Z,4.26nm,20.5s,ba	16 36 23.6		LR			
ILB	Eielson Array	96.77	23	eP	P	15 50 14.4	-0.7
INK	Inuvik	99.37	17	P	P	15 50 26.6	-0.2
INK	comp=Z,0.7nm,0.5s,ba	15 50 26.6	-0.2	PP			
INK	Inuvik	99.37	17	eP	P	15 50 26.6	-0.2
INK	Inuvik	99.37	17	eP	P	15 50 26.6	-0.2
EPYK	comp=Z,4.0nm,1.2s	99.57	19	P	P	15 50 28.6	+0.9
TBI	Tubuai	113.75	113	eLR	LR	16 29 36.3	
PP2T	Papeete	114.04	107	eLR	LR	16 29 45.1	
FFC	Filin Film	118.85	12	iPKIKP	PKIKP	15 55 34.5	+1.4
NEW	Newport	119.60	25	P	PKIKP	15 55 35.4	+0.6
104D	Drain, OR	119.91	33	P	PKIKP	15 55 35.6	+0.1
103A	Tendick Farm,	120.34	32	P	PKIKP	15 55 36.5	0.0
HUMO	Hull Mountain	120.86	33	ePKP	PKP	15 55 35.0	-2.3
F10A	Beach Ranch, E	121.44	27	ePKP	PKP	15 55 36.6	-1.7
J05D	Fort Rock, OR	121.31	32	P	PKP	15 55 38.2	-0.2
L04D	Klamath Falls	121.47	33	P	PKIKP	15 55 38.9	+0.1
M02C	Callahan	121.73	34	P	PKP	15 55 39.0	-0.1
M50	Missoula	122.06	24	ePKP	PKP	15 55 37.7	-1.9
M50	Missoula	122.06	24	P	PKP	15 55 39.6	-0.1
N02D	Trinity Center	122.09	35	P	PKIKP	15 55 41.7	+0.7
PLID	Pearl Lake	122.54	27	ePKP	PKP	15 55 39.4	-1.4
EGMT	Eagleton	122.68	21	P	PKIKP	15 55 41.4	+0.5
TAOE	Nuku Hiva Isla	123.49	98	eLR	LR	16 34 03.0	
DLMT	Dillon	123.80	24	ePKP	PKP	15 55 41.7	-1.4
BOZ	Bozeman (W)	124.00	24	ePKP	PKP	15 55 42.1	-1.4
BOZ	Bozeman (W)	124.00	24	ePKP	PKP	15 55 42.1	-1.4
BOZ	Bozeman (W)	124.00	24	P	PKP	15 55 43.6	+0.1
ULM	Lac du Bonnet	124.28	10	PKP	PKP	15 55 42.2	-1.4
HLID	Halley	124.44	27	ePKP	PKP	15 55 43.3	-1.1
HLID	Halley	124.44	27	P	PKIKP	15 55 45.6	+0.9
LAO	LASA Array	125.03	19	P	PKIKP	15 55 46.2	+0.5
CHGO	Chibougamau	125.12	353	P	PKP	15 55 44.9	-0.4
MATO	Matagami	125.60	355	P	PKP	15 55 46.0	-0.1
KVN	Kaiserville	125.97	33	ePKP	PKP	15 55 46.4	-1.1
KVN	Kaiserville	125.97	33	ePKIKP	PKP	15 55 46.4	-1.1
LSQO	Lebel-sur-Quev	126.24	355	P	PKP	15 55 47.0	-0.5
NVAR	Mina Array Bea	126.30	34	PKP	PKIKP	15 55 49.3	+0.7
EYMN	Ely	127.16	7	ePKP	PKP	15 55 49.0	-0.3
EYMN	Ely	127.16	7	ePKP	PKP	15 55 49.2	0.0
BW06	Boulder Array	127.18	24	ePKP	PKP	15 55 48.7	-1.0
BW06	Boulder Array	127.18	24	P	PKP	15 55 48.8	-1.0
PDAR	Pinedale Array	127.18	24	PKP	PKP	15 55 49.2	-0.5
C40A	Isle Royale Na	127.43	5	ePKP	PKP	15 55 49.0	-0.7
C40A	Isle Royale Na	127.43	5	P	PKP	15 55 49.5	-0.2
CWC	Cottonwood Cre	127.82	36	P	PKP	15 55 50.0	-1.0
DUG	Dugway, Tooele	127.82	28	ePKP	PKP	15 55 49.4	-1.5
DUG	Dugway, Tooele	127.82	28	ePKIKP	PKP	15 55 49.4	-1.5
DUG	Dugway, Tooele	127.82	28	P	PKIKP	15 55 51.5	0.0
PKM	Mpherson Peak	127.83	38	P	PKIKP	15 55 53.3	+1.6
R11A	Troy Canyon, C	127.83	32	ePKP	PKP	15 55 50.5	-0.6
R11A	Troy Canyon, C	127.83	32	P	PKIKP	15 55 51.4	-0.2
RSSD	Black Hills	128.02	19	ePKP	PKP	15 55 49.8	-1.5
RSSD	Black Hills	128.02	19	ePKIKP	PKP	15 55 49.8	-1.5
RSSD	Black Hills	128.02	19	P	PKP	15 55 51.0	-0.3
D54A	Lac Fusel, La	128.10	354	P	PKIKP	15 55 52.0	+0.3
ISA	Isabella, Lake	128.12	37	P	PKP	15 55 51.2	-0.4
D53A	Lac Vacive, Po	128.27	355	P	PKP	15 55 51.4	0.0
D41A	Chassel	128.32	5	P	PKP	15 55 51.2	-0.3
D51A	Lot 18 Range I	128.38	357	P	PKP	15 55 50.2	-1.4
D48A	Paudash Townsh	128.40	359	P	PKP	15 55 51.3	-0.3
MPMC	Manual Prospec	128.43	35	P	PKIKP	15 55 52.8	-0.1
D52A	ZEK Pipawa Sen	128.43	356	P	PKIKP	15 55 52.5	+0.2
K22A	Casper	128.46	22	P	PKP	15 55 52.4	+0.3
E38A	The Farm, Brul	128.47	7	ePKP	PKP	15 55 50.4	-1.4
E38A	The Farm, Brul	128.47	7	P	PKIKP	15 55 52.1	-0.3
TPNV	Topopah Spring	128.50	34	P	PKIKP	15 55 52.9	-0.1
D47A	Chapleau	128.53	360	P	PKIKP	15 55 52.5	0.0
D46A	Sault St. Mari	128.69	1	P	PKIKP	15 55 53.0	+0.1
E51A	Lac Daplat, Po	128.86	355	P	PKP	15 55 51.7	-0.8
E54A	G1948 Merrick	128.94	37	P	PKP	15 55 52.0	-0.7
EDW2	Edwards Air Fo	128.94	37	P	PKP	15 55 53.4	+0.3
E53A	Dumoine, Ponti	128.96	355	P	PKP	15 55 52.1	-0.6
E48A	Lockeyer	129.10	359	P	PKP	15 55 52.5	-0.5
E43A	Lone Tree Farm	129.11	3	P	PKIKP	15 55 53.5	-0.2
E50A	Wahnapitae	129.11	358	P	PKP	15 55 53.2	+0.2
E52A	Mattawa	129.13	356	P	PKP	15 55 52.8	-0.2

E47A	Iron Bridge	129.13	360	P	PKIKP	15 55 53.4	-0.3
E46A	Sault Ste Mari	129.22	1	ePKP	PKP	15 55 51.3	-1.9
E46A	Sault Ste Mari	129.22	1	P	PKP	15 55 53.3	+0.1
F39A	Loretta	129.23	7	P	PKP	15 55 53.4	+0.2
F40A	Park Falls	129.31	6	P	PKP	15 55 53.6	+0.2
ALGO	Goldstone, Bar	129.35	36	P	PKIKP	15 55 54.6	-0.1
GSC	Algonquin Park	129.41	355	P	PKP	15 55 53.5	-0.1
F51A	Arnstein	129.57	357	P	PKP	15 55 54.2	+0.3
PEMO	Pembroke	129.62	354	P	PKP	15 55 54.0	+0.1
F52A	Sundridge	129.67	356	P	PKP	15 55 54.3	+0.2
F48A	Evansville	129.76	359	P	PKP	15 55 53.6	-0.6
G39A	Holcombe	129.81	7	P	PKP	15 55 54.5	+0.2
O20A	White River Ci	129.92	25	P	PKP	15 55 55.2	+0.2
G40A	Rib Lake	129.95	6	P	PKP	15 55 54.6	0.0
N23A	Red Feather La	130.19	22	P	PKIKP	15 55 56.2	-0.2
PLVA	Plevna	130.23	354	P	PKIKP	15 55 55.7	-0.2
BANO	Bancroft	130.33	355	P	PKIKP	15 55 56.1	-0.1
LONY	Lake Ozonia	130.34	352	P	PKIKP	15 55 57.0	+0.8
GMRC	Granite Mounta	130.38	35	P	PKIKP	15 55 57.3	+0.5
ECSD	ECOS Data Cent	130.39	13	P	PKIKP	15 55 56.8	+0.5
G47A	Hillman	130.41	0	P	PKIKP	15 55 56.2	-0.1
BELC	Belle Mtn. Jos	130.74	36	P	PKIKP	15 55 58.2	+0.7
MONP2	Monument Peak	131.26	38	P	PKIKP	15 55 59.1	+0.4
M59A	Waymart	133.48	352	P	PKIKP	15 56 03.1	+0.4
L48A	N Adams	133.63	1	P	PKIKP	15 56 02.4	-0.1
M55A	Ridgway	133.93	355	P	PKIKP	15 56 03.8	+0.1
M54A	Oil Creek Stat	133.96	356	P	PKIKP	15 56 03.7	0.0
N59A	State Game Lan	134.14	352	P	PKIKP	15 56 03.9	-0.2
N49A	Columbus Grove	134.66	1	P	PKP	15 56 04.2	+0.5
SSPA	Standing Stone	134.67	354	P	PKIKP	15 56 05.1	0.0
N48A	DeCATur	134.70	2	P	PKIKP	15 56 05.7	+0.6
N53A	Lisbon	134.72	357	P	PKIKP	15 56 05.5	+0.3
N50A	Nevada	134.82	360	P	PKIKP	15 56 06.2	+0.8
TUC	Tucson	134.95	33	P	PKIKP	15 56 06.2	+0.2
ANMO	Albuquerque	135.03	27	iPKIKP	PKIKP	15 56 06.6	+0.3
ANMO	Albuquerque	135.03	27	P	PKIKP	15 56 06.6	+0.3
O57A	Amberson	135.07	354	P	PKIKP	15 56 05.5	-0.5
O58A	Lewisberry	135.07	353	P	PKIKP	15 56 07.2	+1.3
O56A	Blue Knob Stat	135.10	355	P	PKIKP	15 56 07.4	+1.4
O48A	Farnland	135.30	2	P	PKIKP	15 56 05.9	-0.9
O54A	Avella	135.32	357	P	PKIKP	15 56 06.6	+0.2
ACSO	Alum Creek Sta	135.35	360	P	PKIKP	15 56 05.8	-0.7
O49A	Covington	135.39	1	P	PKIKP	15 56 05.9	-0.7
O51A	Pataksala	135.44	359	P	PKIKP	15 56 06.7	0.0
O50A	Cable	135.44	0	P	PKIKP	15 56 06.5	-0.1
P59A	Jarrettsville	135.52	352	P	PKIKP	15 56 07.5	+0.7
P55A	Reedsville	135.96	356	P	PKIKP	15 56 07.8	0.0
P50A	Jamestown	135.98	0	P	PKIKP	15 56 07.7	-0.1
P53A	Whipple	136.06	358	P	PKP	15 56 07.0	+0.7
P48A	Milroy	136.08	2	P	PKIKP	15 56 07.1	+0.7
Q58A	Fox Den Farm,	136.33	354	P	PKIKP	15 56	

2d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Bislig, Mati, Butuan, Davao City (W), DAV, DMPH, DMPH, BUKP, BUKP, CAGAYAN DE ORO, DDMP, DDMP, CTBH, SKMP, Bagumbayan, Su, SKMP, MSLP, Maasin, MSLP, PAGZ, Pagadian, OCLP, OCLP, BESP, Borongan, IPIL, Iplil, CNP, Catarman, CNP, PVCP, Virac, WRA, Warramunga Arr, ASAR, Alice Springs, STKA, Stephens Creek, MKAR, Makanchi Array, KURBB, Kurchatov Arra.

ISCJB 02 16:06:55.3-0.3, 24.262N-122.979E, h43km, 7km, Error ellipse: s-maj=5.6km s-min=2.6km az=178.5 JMA 02 16:06:55.5-0.1, 24.247N-122.991E, h49km, 1km, ML2, 2 TAP 02 16:06:55.6, 24.252N-122.93E, h41km, 1km, ML2, 7, 8 ISC 02 16:06:55.9-1.2, 24.272N-122.98E, h41km, 8km, n49, c1501/86, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONGUNIJIMAKU, YONGUNIJIMA, YOJ, YOJ, YOJ, YRIF, YRIF, HATERUMA JIMA, HATJ, HATJ, EOS1, EOS1, EOS1, JKRS, KURO-SHIMA, JKRS, JIJ, ISHIGAKI JIMA, JIJ, TWC, SUAO, NANB, NANB, ENA, ENA, TWB1, SANTIAO CHIAO, JISG, ISHIGAKIJIMAH, JISG, TIPB, SHUANGXI, TIPB, NACB, NINGANCHIAO, NACB, TWE, NEICHENG, TWE, TWD, CHIAWAN, TWD, SLBB, YUANSHAN, SLBB, ETLH, XIULIN TOWNSHI, ETLH, NNSB, DATONG, ESL, SHILIN, ESL, YHNB, YEHENG, YHNB, TATO, TAIPEI, TATO, NSK, SANGUANG, YM01, YM10, YM10, JTJ, TARAMA, HGSD, RUISUI, CHGB, RENAI, CHGB, EHY, HUNGYE, EHY, VWDT, VWDT, YULB, YU-LI, YULB, TWF1, YULI, TWF1, LIOB, EMEI, WHP, TAICHUNG CITY, WHP, DPDB, GUOXING.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SUANGLUNG, SMLT, SUN MOON LAKE, SMLT, TYC, YUCHR, TYC, YUS, YUS, WHYT, XINYI TOWNSHIP, WHYT, JIRB, IRABUJIMA, ELDTW, LIDAU, ELDTW, WTP, TAPU, WTP, CHN1, NANSHI, CHN1, SGST, JIASHIAN, SGST, SSD, SANDIMEN, SSD, EAST, ANSHUO, EAST, MASBT, MASHIBULUO.

ISCJB 02 16:13:18.5-0.7, 16.82N-101.408E, h10km, mb3.8/6, MS3.9/2, Error ellipse: s-maj=15.6km s-min=13.7km az=42.7 IDC 02 16:13:18.8-1.5, 16.86N-101.81E, h0km, mb3.5/5, mb1 3.7/6, mb1mx3.4/44, mbtmbp3.6/6, ML3.4/1, MS3.9/2, Ms1 3.9/2, ms1mx3.1/47, Error ellipse: s-maj=33.4km s-min=28.9km az=145.0 NEIC 02 16:13:20.3-0.5, 16.84N-101.79E, h10km, mb4.2/1, Error ellipse: s-maj=10.4km s-min=9.3km az=135.0 ISC 02 16:13:20.3-0.9, 16.82N-101.408E, h10km, n15, c043/13, mb3.6/6, Red Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARTA TUNNEL, UOSS, MINAZIF, UOSS, TORODI ARR. BEA, TOA1, TORODI ARR. SIT, GERES, GERES ARRAY B, DAVOX, DAVOS/DISCHMAT, KURBB, KURCHATOV ARR, MK32, MAKANCHI ARRAY, MKAR, MAKANCHI ARRAY, FIAO, FINES, FINES ARRAY A, FINES, FINES ARRAY B, FINES, FINES ARRAY B, ZALV, ZALESOVO BEAM, ZAA1, ZALESOVO ARRAY, SJJI, SORONG.

IDC 02 16:32:42.5-3.6, 15.49S-174.09W, h0km, mb3.9/3, mb1 4.3/3, mb1mx3.8/23, mbtmbp3.9/3, Error ellipse: s-maj=485.1km s-min=34.3km az=157.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S2, WAKE ISLAND, H11S3, WAKE ISLAND, H11S1, WAKE ISLAND, WRA, WARRAMUNGA ARR, ASAR, ALICE SPRINGS, TXAR, LAJITAS ARRAY.

ISCJB 02 16:40:08.5-0.3, 24.282N-101.03-122.96E, h43km, 7km, Error ellipse: s-maj=5.5km s-min=2.4km az=176.2 JMA 02 16:40:08.5-0.1, 24.39N-122.98E, h49km, 1km, ML2, 2 TAP 02 16:40:08.5, 24.262N-122.92E, h39km, 1km, ML2, 8, C ISC 02 16:40:09.1-1.2, 24.282N-101.03-122.97E, h41km, 7km, n53, c1505/101, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YONGUNIJIMAKU, YONGUNIJIMA, YOJ, YOJ, YOJ, YRIF, YRIF, HATERUMA JIMA, HATJ, HATJ, EOS1, EOS1, EOS1, JKRS, KURO-SHIMA, JKRS, JIJ, ISHIGAKI JIMA, JIJ, TWC, SUAO, NANB, NANB, ENA, ENA, TWB1, SANTIAO CHIAO, JISG, ISHIGAKIJIMAH, JISG, TIPB, SHUANGXI, TIPB, NACB, NINGANCHIAO, NACB, TWE, NEICHENG, TWE, YULB, YU-LI, YULB, TWF1, YULI, TWF1, LIOB, EMEI, WHP, TAICHUNG CITY, WHP, DPDB, GUOXING.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHIAWAN, XIULIN TOWNSHI, ETLH, DATONG TOWNSHI, NDT, DATONG, NNSB, DATONG, NNS, NAN SHAN, NNS, SHILIN, ESL, SHILIN, YHNB, YEHENG, YHNB, NSK, SANGUANG, NSK, EGFG, GUANGFU, EGFG, YM01, YM01, YM01, YM05, YM05, YH05, RUISUI, HGSD, TARAMA, JTJ, TARI, TWT, TACHIE, TWT, CHGB, RENAI, CHGB, EHY, HUNGYE, EHY, VWDT, VWDT, YULB, YULB, YULB, TWF1, YULI, TWF1, LIOB, EMEI, WHP, TAICHUNG CITY, DPDB, GUOXING, DPDB, CHKT, CHENGKUNG, CHKT, SSSLB, SUANGLUNG, SSSLB, SMLT, SUN MOON LAKE, SMLT, TYC, YUCHR, TYC, YUS, YU-SHAN, YUS, WHYT, XINYI TOWNSHIP, WHYT, ELDTW, LIDAU, ELDTW, WNT, MINGLIANG, WNT, JMJ, MIYAKO JIMA, JMJ, CHN5, TSAULING, CHN5, WTP, TAPU, WTP, CHN1, NANSHI, CHN1, SGST, JIASHIAN, SGST, SSD, SANDIMEN, MASBT, MASHIBULUO, MASBT, EAST, ANSHUO, EAST.

ISCJB 02 16:40:47.3-0.6, 23.56S-68.37W, h160km, 9km, Error ellipse: s-maj=8.9km s-min=5.3km az=0.8 NEIC 02 16:40:48.0-0.0, 23.56S-68.21W, h127km, ML4.1(GUC), After GUC. SJA 02 16:40:48.0-0.7, 23.53S-68.25W, h143km, 6km, ML3.0, MWG.3 GUC 02 16:40:47.4-1.5, 23.55S-68.21W, h127km, 5km, ML4.1 ISC 02 16:40:47.4-1.5, 23.55S-68.21W, h127km, 5km, ML4.1, h158km, 14km, n38, c095/52, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LIMON VERDE, LIMON VERDE, PB15, IPOC STATION P, PB15, IPOC STATION P, PB06, IPOC STATION P, PB06, IPOC STATION P.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LIMON VERDE, LIMON VERDE, PB15, IPOC STATION P, PB15, IPOC STATION P, PB06, IPOC STATION P, PB06, IPOC STATION P.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PB06, PB05, PB09, PB09, PB09, GO02, GO02, PB03, PB10, PB10, PB10, PB04, PB04, PB04, PB04, PB07, PB02, HJA, HJA, PB01, YJA, YJA, AZAP, AZAP, GO01, GO01, PB11, AHML, GO03, GO03, GO03, GO03, MNMC, VCA, VCA, CYA, LCO, GO04, LPAZ.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COCH, COCH, GO05, GO05, LMEL, LMEL, FCH, FCH, FCH.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HUIG, VHO, CMIG, CMIG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GB1A, GB1A, ACON, ACON, MESS, MESS, CUI, CUI, JTS, CEDE, ARE1, MATN, RCON, LCR2, LCR2.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ENLB, ENLB, EGFH, EGFH, HGSJ, HGSJ, ESL, ESL, HWA, HWA, EHY, EHY, TWD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWD, YULB, YULB, TWF1, TWF1, NACB, NACB, VVWD, VVWD, VVWD, ETLH, ETLH, CHKT, CHKT, CHGT, CHGT, CHGB, CHGB, SSSL, SSSL, NANB, NANB, ENA, ENA, YUS, YUS, TWT, TWT, TWT, SMLT, SMLT, WHYT, WHYT, WHYT, NNSB, NNSB, NNSB, NNS, NNS, DPDB, DPDB, TYC, TYC, EOSI, EOSI, EOSI, NDT, NDT, NDT, WJS, WJS, WHP, WHP, WHP, CHNS, CHNS, WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DPDB, DPDB, TYC, TYC, EOSI, EOSI, EOSI, NDT, NDT, NDT, WJS, WJS, WHP, WHP, WHP, CHNS, CHNS, WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCIG, CCIG, STG3, STG3, FUG, FUG, NRG, NRG, MRL, MRL, MRL, THIG, THIG, THIG, PCIG, PCIG, TGIG, TGIG.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ, URZ, CTA, CTA, JAY, JAY, ASAR, ASAR, SIJI, SIJI, VYDA, VYDA, MJAR, MJAR.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MNSI, MNSI, BKNI, BKNI, PDSI, PDSI, SISI, SISI, GSI, GSI, KRJI, KRJI, KRJI, PPSI, PPSI, KCSI, KCSI, TPTI, TPTI, MNAI, MNAI.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CRAG, CRAG, SIT, SIT, NDB, NDB, WRAP, WRAP, DIB, DIB, DIB, MOBC, MOBC, MOBC, HGB1, HGB1, RUBB, RUBB, RUBB, HGSB, HGSB, HGSB, HGB4, HGB4, HGB4, DLBC, DLBC, DLBC, BBI, BBI, BBI, BBI, BCPM, BCPM.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WNT, WNT, WNT, TWGT, TWGT, TWGT, YHNB, YHNB, YHNB, NSK, NSK, WCK, WCK, WTP, WTP, WDLH, WDLH, WSTQ, WSTQ, LIOB, LIOB, LIOB, CHN1, CHN1, CHN1, TWK, TWK, JYNG, JYNG, TIPB, TIPB, TIPB, RLNB, RLNB, RLNB, YOJ, YOJ, YOJ, MASBT, MASBT, TWS1, TWS1, YM01, YM01, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JKRS, JIJ, JIJ, JISG, JISG, JISG.

P17A	Butcher Ranch, comp=Z,29nm,1.1s	75.34 354 eP	P	18 51 27.0 +0.5
WCI	Wyandotte Cave, comp=Z,12nm,0.8s	75.35 13 eP	P	18 51 26.0 -0.3
WCI	Wyandotte Cave, comp=Z,12nm,0.6s	75.35 13 eP	P	18 51 26.0 -0.3
WCI	Wyandotte Cave, comp=Z,12nm,0.6s	75.35 13 eP	P	18 51 26.1 -0.2
ISCO	Idaho Springs, comp=Z,12nm,1.0s	75.36 358 eP	P	18 51 27.0 +0.2
ISCO	Idaho Springs, comp=Z,12nm,1.0s	75.36 358 eP	P	18 51 27.0 +0.2
R47A	Woolly Knot Far, baz=178	75.37 13 P	P	18 51 26.4 -0.1
U58A	Oxford, baz=200	75.42 20 P	P	18 51 26.0 -0.7
V61A	Roper, baz=202	75.43 22 P	P	18 51 26.1 -0.7
T55A	Pulaski, baz=198	75.50 18 P	P	18 51 27.1 -0.3
OLIL	Olney, comp=Z,48nm,1.0s	75.52 12 eP	P	18 51 27.1 -0.2
RYN	Ryan, comp=Z,18nm,1.0s	75.54 347 eP	P	18 51 27.7 +0.1
WAKR	Walker, comp=Z,13nm,1.1s	75.59 347 eP	P	18 51 28.3 +0.3
U59A	Littleton, comp=Z,26nm,1.2s	75.59 21 eP	P	18 51 27.1 -0.6
U59A	Littleton, comp=Z,26nm,1.2s	75.59 21 eP	P	18 51 27.7 -0.1
R48A	Northridge Ran, baz=201	75.59 14 P	P	18 51 27.2 -0.6
T56A	Rocky Mt, baz=199	75.61 19 P	P	18 51 27.6 -0.3
Q45A	Warren Harvey, baz=192,SNR=12	75.66 12 P	P	18 51 27.4 -0.7
BLA	Blacksburg, comp=Z,13nm,0.9s	75.68 18 eP	P	18 51 27.9 -0.4
BLA	Blacksburg, comp=Z,13nm,0.9s	75.68 18 eP	P	18 51 27.9 -0.4
T57A	Hurt, comp=Z,17nm,1.2s	75.79 19 P	P	18 51 28.0 -0.9
T57A	Hurt, comp=Z,17nm,1.2s	75.79 19 P	P	18 51 27.9 -0.9
R50A	Paris, comp=Z,20nm,1.4s	75.79 15 eP	P	18 51 28.1 -0.8
O20A	White River Ci, comp=Z,45nm,1.4s	75.82 356 eP	P	18 51 30.3 +1.0
O20A	White River Ci, comp=Z,45nm,1.4s	75.82 356 eP	P	18 51 30.6 +1.4
KVN	Kaiserville, comp=Z,36nm,1.2s	75.88 348 eP	P	18 51 29.9 +0.3
KVN	Kaiserville, comp=Z,36nm,1.2s	75.88 348 eP	P	18 51 29.9 +0.3
T58A	Grand View Acr, baz=200	75.94 20 P	P	18 51 27.8 -1.9
NLU	North Lily Min, comp=Z,32nm,1.0s	75.95 353 eP	P	18 51 31.4 +1.4
MPU	Maple Canyon, comp=Z,30nm,0.9s	75.96 353 eP	P	18 51 31.0 +0.9
R51A	Hillsboro, baz=196	75.97 16 P	P	18 51 29.2 -0.7
Q47A	Bedford North L, baz=194	76.01 13 P	P	18 51 30.0 -0.1
S54A	Dingess, Beckl, baz=198	76.02 18 P	P	18 51 28.8 -1.5
YERR	Yerington, comp=Z,24nm,1.1s	76.02 347 eP	P	18 51 30.7 +0.3
Q43A	North Vernon, baz=194	76.13 14 P	P	18 51 30.3 -0.5
P38A	Skaggs, Pawnee, baz=191	76.18 11 P	P	18 51 30.0 -1.0
PNTR	Pine Nut, comp=Z,25nm,1.2s	76.18 347 eP	P	18 51 31.6 +0.2
S55A	Lewisburg, baz=199	76.19 18 P	P	18 51 30.4 -0.8
BLO	Bloomington, comp=Z,14nm,0.9s	76.22 13 eP	P	18 51 30.2 -1.1
BLO	Bloomington, comp=Z,14nm,0.9s	76.22 13 eP	P	18 51 30.2 -1.1
T59A	Double "B" Far, comp=Z,21nm,1.0s	76.24 21 eP	P	18 51 30.5 -0.9
T59A	Double "B" Far, comp=Z,21nm,1.0s	76.24 21 eP	P	18 51 29.7 -1.7
MAW	Mawson, comp=Z,15nm,0.9s, baz=223,slow=7.0,SNR=15	76.26 174 P	P	18 51 30.9 -0.4
MAW	Mawson, comp=Z,15nm,0.9s, baz=223,slow=7.0,SNR=15	76.26 174 P	P	19 23 02.1
MAW	Mawson, comp=Z,15nm,0.9s, baz=223,slow=7.0,SNR=15	76.26 174 eP	P	18 51 30.8 -0.5
DUG	Dugway, Toeel, comp=Z,23nm,1.1s	76.26 352 eP	P	18 51 32.1 +0.4
DUG	Dugway, Toeel, comp=Z,23nm,1.1s	76.26 352 eP	P	18 51 32.1 +0.4
DUG	Dugway, Toeel, comp=Z,23nm,1.1s	76.26 352 eP	P	18 51 31.1 -0.6
AFDM	Forest Hills D, comp=Z,24nm,1.2s	76.31 346 eP	P	18 51 32.3 +0.4
S56A	Natural Bridge, baz=199	76.34 19 P	P	18 51 30.9 -1.2
P45A	Graceland, Par, comp=Z,40nm,1.1s	76.35 12 eP	P	18 51 32.5 +0.5
P45A	Graceland, Par, comp=Z,40nm,1.1s	76.35 12 eP	P	18 51 30.9 -1.1
R53A	Hurricane, comp=Z,22nm,1.0s	76.37 17 eP	P	18 51 33.8 +1.7
R53A	Hurricane, comp=Z,22nm,1.0s	76.37 17 eP	P	18 51 31.7 -0.5
VCNR	Virginia City, comp=Z,19nm,1.2s	76.39 347 eP	P	18 51 33.3 +0.7
R54A	Victor, baz=198	76.48 18 P	P	18 51 31.6 -1.1
N23A	Red Feather La, comp=Z,33nm,1.3s	76.47 358 eP	P	18 51 34.4 +1.4
N23A	Red Feather La, comp=Z,33nm,1.3s	76.47 358 eP	P	18 51 31.6 -1.5
OGNE	Ogallala, baz=178	76.47 1 eP	P	18 51 34.1 +1.3
OGNE	Ogallala, baz=181,SNR=7.6	76.47 1 P	P	18 51 32.5 -0.3
JLU	Jordanelle, comp=Z,15nm,0.9s	76.53 353 eP	P	18 51 34.2 +0.8
P46A	Rosedale, baz=193	76.53 12 P	P	18 51 31.9 -1.1
GDXM	Geysers, comp=Z,22nm,1.2s	76.56 344 eP	P	18 51 32.6 -0.7
S57A	Dark Hollow, R, baz=200	76.59 19 P	P	18 51 32.3 -1.1
CTU	Camp Tracy, comp=Z,15nm,1.1s	76.64 353 eP	P	18 51 34.7 +0.8
S58A	Poland Farm, P, comp=Z,19nm,1.1s	76.69 20 eP	P	18 51 33.7 -0.3
S58A	Poland Farm, P, comp=Z,19nm,1.1s	76.69 20 eP	P	18 51 33.1 -0.9
P48A	Milroy, comp=Z,26nm,1.3s	76.71 14 eP	P	18 51 33.2 -0.9
P48A	Milroy, baz=194	76.71 14 P	P	18 51 33.1 -0.9
Q51A	Peebles, comp=Z,19nm,0.8s	76.72 16 eP	P	18 51 33.5 -0.6
Q51A	Peebles, comp=Z,19nm,0.8s	76.72 16 eP	P	18 51 33.2 -1.0
PAHR	Pah Rah Range, comp=Z,12nm,1.0s	76.74 347 eP	P	18 51 34.9 +0.4
R55A	Marlinton, comp=Z,33nm,1.3s	76.77 18 eP	P	18 51 35.6 +1.0
HOPS	Hopland Field, comp=Z,78nm,1.4s	76.81 344 eP	P	18 51 35.9 +1.2
Q44A	Mansfield, baz=192	76.84 11 P	P	18 51 34.1 -0.7
PHWY	Pilot Hill, comp=Z,11nm,1.1s	76.86 358 eP	P	18 51 36.6 +1.3
Q52A	Bidwell, baz=197	76.90 16 P	P	18 51 34.5 -0.7
P49A	Miami Univ. Ec, baz=195	76.92 14 P	P	18 51 33.7 -1.6
Q53A	Leroy, baz=198	76.97 17 P	P	18 51 34.5 -1.0
ORV	Oroville, comp=Z,14nm,0.8s	77.01 345 eP	P	18 51 37.0 +1.2

BGU	Big Grassy Moun, comp=Z,14nm,0.8s	77.01 352 eP	P	18 51 35.5 -0.4
TCUT	Toone Canyon, comp=Z,18nm,1.2s	77.03 353 eP	P	18 51 35.8 -0.4
N41A	Harden Midland, comp=Z,35nm,1.4s	77.04 9 eP	P	18 51 36.0 +0.1
N41A	Harden Midland, comp=Z,35nm,1.4s	77.04 9 P	P	18 51 35.0 -0.8
BGNE	Belgrade, comp=Z,39nm,1.0s	77.06 4 eP	P	18 51 36.8 +0.7
BGNE	Belgrade, comp=Z,39nm,1.0s	77.06 4 P	P	18 51 35.5 -0.5
R58B	Mineral, comp=Z,24nm,1.0s	77.07 20 eP	P	18 51 35.9 -0.2
R58B	Mineral, comp=Z,24nm,1.0s	77.07 20 P	P	18 51 35.5 -0.6
R56A	Bull Pasture M, baz=201	77.07 19 P	P	18 51 35.3 -0.9
BEKR	Beckworth, comp=Z,30nm,1.2s	77.08 346 eP	P	18 51 37.1 +0.8
BMN	Battle Mountai, baz=199	77.08 349 eP	P	18 51 36.1 -0.3
BMN	Battle Mountai, baz=199	77.08 349 eP	P	18 51 36.1 -0.3
ELK	Elko, comp=Z,387nm,21.3s, baz=129,slow=30	77.10 350 LR	LR	19 18 24.5
ELK	Elko, comp=Z,387nm,21.3s, baz=129,slow=30	77.10 350 LR	LR	18 51 36.3 -0.2
ELK	Elko, comp=Z,16nm,1.3s	77.10 350 eP	P	18 51 36.3 -0.2
HDIL	Hopedale, comp=Z,16nm,1.3s	77.11 11 eP	P	18 51 36.2 0.0
HDIL	Hopedale, comp=Z,16nm,1.3s	77.11 11 P	P	18 51 35.4 -0.8
P50A	Jamestown, baz=196	77.15 15 P	P	18 51 35.4 -1.3
S60A	Water View, baz=191	77.18 21 P	P	18 51 33.8 -2.9
R57A	Stanardsville, comp=Z,17nm,0.9s	77.20 19 P	P	18 51 36.7 -1.1
P51A	Williamsport, comp=Z,17nm,0.9s	77.22 16 eP	P	18 51 36.5 -0.5
P51A	Williamsport, comp=Z,17nm,0.9s	77.22 16 P	P	18 51 35.7 -1.2
Q54A	Coxs Mills, comp=Z,22nm,1.3s	77.26 18 eP	P	18 51 36.3 -0.9
SFIN	Lafayette, comp=Z,109nm,2.0s	77.29 12 eP	P	18 51 36.7 -0.6
RWWY	Rawlins, comp=Z,20nm,0.9s	77.31 357 eP	P	18 51 38.5 +0.7
SPUT	South Promonto, comp=Z,19nm,1.1s	77.33 353 eP	P	18 51 37.6 -0.1
R58A	Rapidan, baz=200	77.35 20 P	P	18 51 36.4 -1.3
S61A	Atzcomac, baz=200	77.45 22 P	P	18 51 37.2 -1.0
N43A	Stutzman Famil, baz=191	77.50 11 P	P	18 51 37.8 -0.7
N44A	Piper City, baz=192	77.52 11 P	P	18 51 37.8 -0.8
O48A	Farmland, baz=195	77.53 14 P	P	18 51 38.5 -0.2
HWUT	Hardware Ranch, comp=Z,7.9nm,0.9s	77.53 353 eP	P	18 51 38.4 -0.6
P52A	Coning, baz=197	77.57 16 P	P	18 51 37.9 -1.0
KCPM	Cahto Peak, comp=Z,51nm,1.3s	77.58 344 eP	P	18 51 39.1 0.0
P53A	Whipple, comp=Z,22nm,1.1s	77.60 17 eP	P	18 51 38.9 -0.2
P53A	Whipple, comp=Z,22nm,1.1s	77.60 17 P	P	18 51 38.3 -0.8
O49A	Covington, comp=Z,18nm,1.0s	77.63 14 eP	P	18 51 39.3 +0.1
O49A	Covington, comp=Z,18nm,1.0s	77.63 14 P	P	18 51 37.7 -1.5
N45A	Kentland, baz=193	77.68 12 P	P	18 51 38.8 -0.6
Q56A	Snyder Ridge, baz=200	77.73 19 P	P	18 51 38.9 -1.0
O50A	Cable, comp=Z,19nm,1.0s	77.73 15 P	P	18 51 39.1 -0.7
O03E	Paynes Creek, baz=164	77.78 345 P	P	18 51 40.5 +0.3
HVU	Hansel Valley, comp=Z,14nm,1.0s	77.83 352 eP	P	18 51 39.9 -0.6
HVU	Hansel Valley, comp=Z,14nm,1.0s	77.83 352 eP	P	18 51 39.9 -0.6
N46A	Monticello, comp=Z,14nm,1.0s	77.86 12 P	P	18 51 39.6 -0.9
O02D	Mt. Diablo Mer, baz=193	77.88 345 P	P	18 51 39.7 -1.0
DZM	Mont Dzumac, comp=Z,573nm,25.4s	77.88 252 eS	S	19 01 35.4 +0.9
DZM	Mont Dzumac, comp=Z,573nm,25.4s	77.88 252 eLQ	LQ	19 12 32.3
DZM	Mont Dzumac, comp=Z,573nm,25.4s	77.88 252 eLR	LR	19 15 54.1
DZM	Mont Dzumac, comp=Z,573nm,25.4s	77.88 252 LR	LR	19 18 11.4
O57A	Strasburg, comp=Z,11.4,slow=30	77.93 19 P	P	18 51 40.2 -0.8
P54A	Burton, baz=198	77.93 18 P	P	18 51 40.1 -0.9
ACSO	Alum Creek Sta, comp=Z,18nm,0.8s	77.95 15 eP	P	18 51 39.6 -1.4
ACSO	Alum Creek Sta, comp=Z,18nm,0.8s	77.95 15 P	P	18 51 40.1 -0.9
O51A	Patacsala, baz=197	77.95 16 P	P	18 51 40.0 -1.1
M43A	Waltham Townsh, baz=192	78.02 11 P	P	18 51 40.9 -0.5
N47A	Urbana, baz=192	78.03 13 P	P	18 51 41.3 -0.1
Q58A	Fox Den Farm, baz=201	78.04 20 P	P	18 51 40.1 -1.4
O52A	Adamsville, comp=Z,11nm,1.0s	78.10 16 eP	P	18 51 41.0 -0.9
O52A	Adamsville, comp=Z,11nm,1.0s	78.10 16 P	P	18 51 40.8 -1.0
KMRM	Mail Ridge, comp=Z,51nm,1.1s	78.12 344 eP	P	18 51 42.6 +0.5
WDC	Whiskeytown Da, comp=Z,25nm,1.0s	78.21 345 eP	P	18 51 41.6 -0.9
WDC	Whiskeytown Da, comp=Z,25nm,1.0s	78.21 345 eP	P	18 51 41.6 -0.9
K22A	Casper, comp=Z,25nm,1.0s	78.24 357 eP	P	18 51 44.9 +2.1
K22A	Casper, comp=Z,25nm,1.0s	78.24 357 P	P	18 51 41.7 -1.1
L40A	Anamosa, comp=Z,28nm,1.1s	78.32 9 eP	P	18 51 42.5 -0.5
L40A	Anamosa, comp=Z,28nm,1.1s	78.32 9 P	P	18 51 42.2 -0.8
N49A	Columbus Grove, baz=190	78.36 14 P	P	18 51 42.5 -0.8
O53A	New Philadelph, baz=198	78.37 17 P	P	18 51 42.6 -0.7
M46A	Old House Fiel, baz=198	78.42 13 P	P	18 51 43.0 -0.6
P57A	Homestead Farm, baz=200	78.45 19 P	P	18 51 42.8 -1.0
L42A	Oliver, Polo, comp=Z,18nm,0.8s	78.47 10 eP	P	18 51 44.1 +0.2
L42A	Oliver, Polo, comp=Z,18nm,0.8s	78.47 10 P	P	18 51 43.5 -0.3
BW06	Boulder Arroy, comp=Z,33nm,0.8s	78.52 355 eP	P	18 51 44.0 -0.5
BW06	Boulder Arroy, comp=Z,33nm,0.8s	78.52 355 P	P	18 51 44.6 +0.1
PD31	Pinedale Arroy, comp=Z,30nm,0.8s	78.52 355 eP	P	18 51 44.0 -0.4
PDAR	Pinedale Arroy, comp=Z,29nm,0.7s, baz=160,slow=5.8,SNR=52	78.52 355 P	P	18 51 44.5 +0.1
PDAR	Pinedale Arroy, comp=Z,29nm,0.7s, baz=160,slow=5.8,SNR=52	78.52 355 LR	LR	19 22 35.5
N02D	Trinity Center, comp=Z,334nm,18.1s, baz=168,slow=33	78.62 345 P	P	18 51 45.4 +0.6
AHID	Auburn Hatcher, comp=Z,14nm,0.9s	78.64 354 eP	P	18 51 46.0 +0.9
P58A	Pank, Wackersv, baz=201	78.66 20 P	P	18 51 44.0 -0.9
SDMD	Soldier's Deli, comp=Z,14nm,0.8s	78.71 20 eP	P	18 51 45.0 -0.2

KEKH	Kekaha, comp=Z,570nm,1.9s	78.71 308 eP	P	18 51 44.4 -1.2
N51A	Ashland, comp=Z,61nm,1.0s	78.74 16 eP	P	18 51 45.5 +0.1
N51A	Ashland, comp=Z,61nm,1.0s	78.74 16 P	P	18 51 44.8 -0.5
KHMM	Horse Mountain, comp=Z,58nm,1.4s	78.75 344 eP	P	18 51 47.1 +1.5
O55A	Ligonier, baz=199	78.80 18 P	P	18 51 44.8 -0.9
N53A	Lisbon, comp=Z,32nm,1.0s	78.89 17 eP	P	18 51 46.9 +0.1
N53A	Lisbon, comp=Z,32nm,1.0s	78.89 17 P	P	18 51 45.4 -1.3
P59A	Jarettsville, baz=198	79.01 21 P	P	18 51 45.5 -1.4
MOD	Modoc Plateau, comp=Z,26nm,1.1s	79.04 347 eP	P	18 51 47.6 +0.4
O56A	Blue Knob Stat, comp=Z			

RLMT	comp=Z,31nm,1.1s Red Lodge baz=175	80.85 355 P	P	18 51 57.1 +0.2
MCMT	Mckenzie Canyon L55A	80.85 353 eP	P	18 51 57.6 +0.6
PINE	Hinsdale baz=200	80.88 18 P	P	18 51 55.9 -1.1
KSPA	Pine Mountain comp=Z,35nm,1.1s	80.99 347 eP	P	18 51 58.2 +0.5
107A	Keystone Colle comp=Z,100nm,1.0s	81.00 20 eP	P	18 51 56.8 -0.9
PAL	Izeze comp=Z,33nm,1.1s	81.01 348 eP	P	18 51 58.2 +0.4
PAL	Palisades comp=Z,26nm,1.0s	81.04 22 eP	P	18 51 57.4 -0.4
M59A	Palisades baz=192	81.04 22 eP	pmx	18 51 57.4 -0.4
H43A	Waymart baz=202	81.09 21 P	P	18 51 57.5 -0.6
H43A	Windswept, Lux comp=Z,32nm,0.9s	81.17 11 eP	P	18 51 58.0 -0.4
H43A	Windswept, Lux baz=192	81.17 11 eP	P	18 51 58.0 -0.4
SPMN	Marine on St. comp=Z,33nm,0.7s	81.27 7 eP	P	18 51 58.8 -0.1
SPMN	Marine on St. baz=189	81.27 7 P	P	18 51 59.2 +0.3
104A	Tendick Farm, baz=164	81.27 346 P	P	18 51 59.0 -0.1
147A	Gladwin comp=Z,17nm,0.8s	81.29 13 eP	P	18 51 59.7 +0.7
DLMT	Dillon comp=Z,11nm,1.1s	81.35 353 eP	P	18 52 01.2 +1.7
BMO	Blue Mountains comp=Z,6.1nm,1.0s	81.42 350 eP	P	18 52 01.6 +1.7
BMO	Blue Mountains baz=192	81.42 350 eP	pmx	18 52 01.6 +1.7
PLID	comp=Z,6.0nm,1.0s Pearl Lake comp=Z,1.0nm,0.9s	81.47 351 eP	P	18 52 01.7 +1.4
K55A	Perry baz=200	81.48 18 P	P	18 51 58.8 -1.3
BOZ	Bozeman (W) comp=Z,2.1nm,1.1s	81.50 354 eP	P	18 52 00.8 +0.4
BOZ	Bozeman (W) baz=192	81.50 354 eP	pmx	18 52 00.8 +0.4
BOZ	Bozeman (W) comp=Z,2.1nm,1.1s	81.50 354 P	pmx	18 52 00.8 +0.4
G39A	Holcombe baz=173	81.51 8 P	P	18 52 00.2 0.0
MMNY	Mt. Morris Dam comp=Z,49nm,1.4s	81.53 18 eP	P	18 52 00.1 -0.3
GCMT	Greycliff 105D	81.54 355 eP	P	18 52 00.9 +0.3
105D	Terrebonne, OR baz=165	81.59 347 P	P	18 51 59.9 -0.9
G40A	Rib Lake comp=Z,19nm,0.8s	81.61 9 eP	P	18 52 01.7 +0.9
G40A	Rib Lake baz=192	81.61 9 P	P	18 52 00.7 -0.1
MEDO	Medina comp=Z,16nm,0.8s	81.79 18 eP	P	18 52 00.9 -0.8
MEDO	Medina baz=200	81.79 18 P	P	18 52 00.5 -1.3
151A	Listowel baz=198	81.79 16 P	P	18 52 00.9 -0.9
LRM	Limekiln Ridge J54A	81.80 353 eP	P	18 52 05.1 +3.1
J54A	Appleton comp=Z,15nm,0.8s	81.85 18 P	P	18 52 01.5 -0.5
BASO	Ashfield baz=197	81.85 15 P	P	18 52 00.6 -1.4
BWLO	Walkerton baz=198	82.07 16 P	P	18 52 02.6 -0.6
G45A	Suttons Bay comp=Z,2.7nm,0.6s	82.07 12 eP	P	18 52 03.5 +0.3
H04A	Detroit Lake comp=Z,14nm,1.0s	82.08 346 eP	P	18 52 03.6 +0.3
F38A	Pierce - Schro baz=189	82.09 8 P	P	18 52 02.6 -0.6
G08A	Pilot Rock comp=Z,17nm,1.0s	82.10 349 eP	P	18 52 04.2 +0.7
F39A	Loretta baz=190	82.16 8 P	P	18 52 03.2 -0.4
COR	Corvallis comp=Z,7.5nm,1.4s	82.21 345 eP	P	18 52 05.7 +1.8
COR	Corvallis baz=192	82.21 345 eP	pmx	18 52 05.7 +1.8
152A	Shelburne baz=198	82.23 16 P	P	18 52 03.2 -0.9
F40A	Park Falls baz=199	82.26 9 P	P	18 52 03.9 -0.3
LAO	LASA Array comp=Z,49nm,0.9s	82.26 358 eP	P	18 52 05.0 +0.7
LAO	LASA Array baz=177	82.26 358 P	P	18 52 03.4 -0.8
G06A	Carlson Farm, comp=Z,29nm,1.5s	82.33 347 eP	P	18 52 05.8 +1.2
BMRO	Meriville Lake baz=198	82.50 15 P	P	18 52 04.6 -0.8
F10A	Beach Ranch, E comp=Z,14nm,0.9s	82.51 350 eP	P	18 52 05.8 +0.3
WLVO	Wesleyville baz=200	82.52 18 P	P	18 52 04.4 -1.2
G47A	Hillman baz=196	82.52 13 P	P	18 52 05.0 -0.5
CAN	Canberra comp=Z,31nm,1.5s	82.52 232 eP	P	18 52 05.6 -0.6
CAN	Canberra baz=192	82.52 232 eP	pmx	18 52 05.6 -0.6
COWI	Conover comp=Z,15nm,0.8s	82.56 10 eP	P	18 52 05.6 -0.1
HRY	Holter Researc E38A	82.62 354 eP	P	18 52 06.4 +0.2
E38A	The Farm, Brul comp=Z,8.2nm,0.8s	82.76 8 eP	P	18 52 07.8 +1.0
E38A	The Farm, Brul baz=189	82.76 8 P	P	18 52 05.4 -1.3
PECO	Prince Edward comp=Z,22nm,1.0s	82.88 19 eP	P	18 52 06.8 -0.6
M50	Missoula comp=Z,14nm,1.3s	82.94 352 eP	P	18 52 06.9 -0.9
M50	Missoula baz=171	82.94 352 P	P	18 52 07.0 -0.8
TOBO	Tobermory, Bru baz=197	83.04 15 P	P	18 52 07.2 -1.0
SADO	Sadova comp=Z,9nm,0.8s,baz=193,slow=0.8,SNR=6.1	83.14 17 eP	P	18 52 08.1 -0.6
SADO	Sadova baz=193	83.14 17 P	P	18 52 08.2 -0.6
E43A	Lone Tree Farm comp=Z,20nm,0.6s	83.15 11 eP	P	18 52 08.7 -0.1
E43A	Lone Tree Farm baz=193	83.15 11 P	P	18 52 08.5 -0.3
E09A	Wood Farm, St comp=Z,13nm,1.3s	83.17 349 eP	P	18 52 09.4 +0.5
HAWA	Hanford comp=Z,23nm,1.0s	83.27 349 eP	P	18 52 09.5 +0.1
TOO	Toolangi comp=Z,17nm,1.8s	83.27 228 eP	P	18 52 08.4 -1.6
TOO	Toolangi baz=192	83.27 228 eP	pmx	18 52 08.4 -1.6
DELO	Deloro Mine comp=Z,116nm,1.8s	83.27 18 eP	P	18 52 08.5 -0.9
DELO	Deloro Mine baz=200	83.27 18 P	P	18 52 08.3 -1.1
E08A	Dider Farm, El comp=Z,14nm,1.0s	83.29 349 eP	P	18 52 09.7 +0.3
M55A	Tweed baz=201	83.41 18 P	P	18 52 08.1 -2.0
HDND	Maddock comp=Z,35nm,0.9s	83.42 2 eP	P	18 52 10.5 +0.3
F49A	Sandfield baz=197	83.44 15 P	P	18 52 09.5 -0.8
KLBO	Killbear Provi baz=198	83.45 16 P	P	18 52 08.9 -1.4
D41A	Chassel comp=Z,49nm,1.1s	83.58 10 eP	P	18 52 11.7 +0.7
D41A	Chassel baz=192	83.58 10 P	P	18 52 10.5 -0.5
E46A	Sault Ste Mari comp=Z,2.1nm,0.9s	83.59 13 eP	P	18 52 11.2 +0.2
E46A	Sault Ste Mari baz=195	83.59 13 P	P	18 52 10.3 -0.7
G53A	Haliburton baz=200	83.59 17 P	P	18 52 09.7 -1.4
BANO	Bancroft	83.67 18 P	P	18 52 10.8 -0.7

NCB	Newcomb comp=Z,12nm,0.7s	83.67 20 eP	P	18 52 10.6 -1.0
H56A	Elgin baz=200	83.69 19 P	P	18 52 10.6 -0.9
BUKO	Buck Lake baz=199	83.71 16 P	P	18 52 10.5 -1.1
EGMT	Eagleton comp=Z,17nm,1.0s	83.77 355 eP	P	18 52 12.1 +0.1
EGMT	Eagleton baz=174	83.77 355 P	P	18 52 12.1 +0.1
D08A	Wollman Farm, comp=Z,15nm,1.0s	83.82 349 eP	P	18 52 12.3 +0.1
E47A	Iron Bridge baz=196	83.87 14 P	P	18 52 12.1 -0.3
PLVO	Plevna comp=Z,26nm,1.1s	83.90 18 eP	P	18 52 11.8 -0.8
PLVO	Plevna baz=164	83.90 18 P	P	18 52 12.5 -0.2
E04D	Cinebar baz=164	83.96 347 P	P	18 52 13.3 +0.4
FFD	Franklin Falls comp=Z,45nm,0.3s	83.97 22 eP	P	18 52 12.9 -0.1
DGMT	Dagmar comp=Z,40nm,1.0s	84.00 359 eP	P	18 52 13.2 0.0
DGMT	Dagmar baz=199	84.00 359 P	P	18 52 13.6 +0.5
LON	Longmire comp=Z,14nm,1.0s	84.00 347 eP	P	18 52 12.8 -0.3
LON	Longmire comp=Z,14nm,1.0s	84.00 347 eP	pmx	18 52 12.9 -0.3
F51A	Arnstein baz=199	84.06 16 P	P	18 52 13.1 -0.3
AGMN	Agassiz Nation comp=Z,16nm,0.9s	84.06 5 eP	P	18 52 13.2 -0.2
AGMN	Agassiz Nation baz=186	84.06 5 P	P	18 52 12.9 -0.5
EYMN	Ely comp=Z,17nm,0.9s	84.09 8 eP	P	18 52 14.0 +0.5
EYMN	Ely baz=189	84.09 8 P	P	18 52 12.7 -0.9
E48A	Lockeyer baz=197	84.11 14 P	P	18 52 13.1 -0.5
D46A	Sault St. Mari baz=195	84.14 13 P	P	18 52 12.8 -1.1
LONY	Lake Ozonia comp=Z,30nm,1.2s	84.17 20 eP	P	18 52 13.5 -0.5
LONY	Lake Ozonia baz=192	84.17 20 P	P	18 52 12.4 -1.6
G55A	Calabogie baz=201	84.19 18 P	P	18 52 12.6 -1.5
LTY	Liberty comp=Z,17nm,1.0s	84.29 348 eP	P	18 52 14.4 -0.3
C40A	Chateaufort comp=Z,14nm,0.9s	84.34 9 eP	P	18 52 14.9 +0.1
C40A	Chateaufort baz=192	84.34 9 P	P	18 52 14.1 -0.7
E50A	Wapitaitae baz=191	84.35 15 P	P	18 52 14.1 -0.8
C09A	Chrisman Ranch comp=Z,52nm,1.4s	84.44 350 eP	P	18 52 17.7 +2.3
PEMO	Pembroke baz=188	84.45 18 P	P	18 52 13.9 -1.5
D05A	Enunclaw comp=Z,40nm,1.1s	84.46 347 eP	P	18 52 15.2 -0.3
D47A	Chapleau baz=197	84.48 13 P	P	18 52 14.7 -0.9
ALGO	Algonquin Park baz=200	84.51 17 P	P	18 52 14.9 -0.8
LBNH	Lisbon baz=205	84.59 22 P	P	18 52 15.9 -0.3
D04E	Lakebay baz=164	84.59 347 P	P	18 52 16.5 +0.5
FRNY	Flat Rock comp=Z,34nm,1.5s	84.64 21 eP	P	18 52 15.9 -0.5
E52A	Matawa baz=200	84.68 17 P	P	18 52 16.5 -0.1
NEW	Newport comp=Z,18nm,0.9s,baz=176,slow=4.5,SNR=17	84.74 351 P	LR	19 23 05.0
NEW	Newport comp=Z,346nm,21.9s,baz=170,slow=31	84.74 351 eP	LR	18 52 17.3 +0.4
NEW	Newport baz=188	84.74 351 P	P	18 52 16.0 -0.9
D48A	Paudash Townsh baz=197	84.84 14 P	P	18 52 16.9 -0.5
D03D	Eldon baz=164	85.00 346 P	P	18 52 17.6 -0.5
E53A	Dumoine, Ponti baz=200	85.01 17 P	P	18 52 16.7 -1.5
NLWA	Neilton Lookou comp=Z,22nm,1.1s	85.01 346 eP	P	18 52 18.6 +0.3
D49A	Beuth Township baz=197	85.03 15 P	P	18 52 18.2 -0.1
WALA	Waterton Lakes comp=Z,20nm,1.0s	85.14 353 eP	P	18 52 19.4 +0.4
E54A	Lac Duplat, Po baz=201	85.17 18 P	P	18 52 17.8 -1.3
D52A	ZEK Kipawa Sen baz=200	85.39 17 P	P	18 52 18.7 -1.5
MOQ	Mont Orford comp=Z,53nm,1.8s	85.46 21 eP	P	18 52 19.9 -0.7
B05A	Bryton baz=165	85.52 347 P	P	18 52 19.8 -0.9
TRQ	Mont Tremblant Marblemont comp=Z,6.1nm,0.3s	85.65 19 eP	P	18 52 20.5 -1.0
B06A	Lac Vachiv, Po comp=Z,12nm,0.8s	85.65 17 eP	P	18 52 22.1 +0.7
D53A	Lac Vachiv, Po comp=Z,12nm,0.8s	85.65 17 P	P	18 52 20.3 -1.1
D54A	Lac Fusel, La baz=201	85.97 18 P	P	18 52 22.4 -0.6
ULM	Lac du Bonnet comp=Z,21nm,0.8s,baz=210,slow=4.2,SNR=16	86.00 5 eP	P	18 52 23.6 +0.5
ULM	Lac du Bonnet comp=Z,30nm,1.0s	86.00 5 eP	P	18 52 22.9 -0.1
ULM	Lac du Bonnet comp=Z,30nm,1.0s	86.00 5 eP	pmx	18 52 22.9 -0.1
VLQD	Val d'Or comp=Z,14nm,1.0s	86.68 17 eP	P	18 52 26.0 -0.4
MATO	Matagami baz=200	88.18 16 P	P	18 52 33.1 -0.6
LMN	Caledonia Moun comp=Z,25nm,1.8s	88.34 26 eP	P	18 52 33.6 -0.9
CHGO	Chibougamau baz=203	89.10 18 P	P	18 52 37.7 -0.3
BATG	Bathurst New B comp=Z,25nm,1.8s	89.16 24 eP	P	18 52 37.3 -1.0
GBN	Guysborough comp=Z,36nm,1.2s	89.17 28 eP	P	18 52 38.8 -0.1
STKA	Stephens Creek comp=Z,3.1nm,0.9s,baz=105,slow=2.8,SNR=3.7	89.44 230 P	P	18 52 41.5 +1.1
STKA	Stephens Creek comp=Z,11m,19.3s,baz=151,slow=31	89.44 230 eP	LR	19 26 20.3
STKA	Stephens Creek comp=Z,3.6nm,1.4s	89.44 230 eP	P	18 52 40.0 -0.4
STKA	Stephens Creek comp=Z,4.0nm,1.4s	89.44 230 eP	pmx	18 52 40.0 -0.4
BBB	Bella Bella comp=Z,147nm,18.4s,baz=179,slow=32	90.43 345 LR	LR	19 27 43.6
SCHO	Schefferville comp=Z,636nm,19.9s,baz=258,slow=33	95.54 20 LR	LR	19 32 47.0
SCHO	Schefferville comp=Z,52nm,1.8s	95.54 20 eP	P	18 52 36.7 -1.0
DLBC	Dease Lake comp=Z,34nm,1.8s,baz=122,slow=31	96.67 346 LR	LR	19 30 05.9
DLBC	Dease Lake comp=Z,10nm,1.1s	96.67 346 eP	P	18 53 12.6 -0.3
YKA	Yellowknife Ar comp=Z,2.4nm,0.9s,baz=167,slow=4.8,SNR=5.1	98.50 355 P	Pdf	18 53 21.4 +0.5
YKA	Yellowknife Ar baz=192	98.50 355 LR	LR	19 33 22.7
ASAR	Alice Springs comp=Z,26nm,19.0s,baz=158,slow=33	100.03 231 P	Pdf	18 53 26.5 -2.5
H1S2	WAKE ISLAND Hyt00.88 285 T		T	20 46 26.5
H1S1	WAKE ISLAND Hyt00.88 285 T		T	20 46 22.7
H1S3	WAKE ISLAND Hyt00.90 285 T		T	20 46 41.2
H01W1	Cape Leeuwijn H 101.53 210 T		T	20 47 28.4
H01W2	Cape Leeuwijn H 101.54 210 T		T	20 47 29.6

H01W3	Cape Leeuwijn H 101.55 210 T		T	20 47 29.7
ILAR	Eielson Array comp=Z,0.7nm,1.1s,baz=160,slow=2.9,SNR=4.6	106.07 342 PKIKP	PKIKP	18 58 07.9 +1.5
TORD	Torodi Ar, Bea comp=Z,5.7nm,0.3s,baz=243,slow=6.5,SNR=3.9	109.38 88 eP	P	18 58 42.0 -1.9
ESDC	Sonsea Array comp=Z,1.0nm,0.8s,baz=298,slow=3.7,SNR=6.4	117.97 60 PKP	PKPdf	18 58 29.3 -0.5
PETK	Petrovavlovsk comp=Z,6.2nm,1.1s,baz=88,slow=14,SNR=4.5	123.05 315 eP	PKIKP	18 58 39.3 0.0
PEA1	Petrovavlovsk comp=Z,123.05 315 eP	123.05 315 eP	PKIKP	18 58 39.3 +0.1
BNI	Bardonecchia comp=Z,127.23 57 eP	127.23 57 eP	PKPdf	

058A	Arcadia	52.76 343	P	P	20 13 50.3 +0.9
959A	Keocheobee	52.96 344	P	P	20 13 49.9 -0.9
958A	Wauclala	53.25 343	P	P	20 13 53.6 +0.7
957A	Wimauma	53.45 343	eP	P	20 13 56.1 +1.7
957A	Wimauma	53.45 343	P	P	20 13 54.7 +0.3
DWPF	Disney Wildern	53.66 344	P	P	20 13 55.8 +1.4
858A	St. Cloud	53.74 344	P	P	20 13 56.6 +0.1
857A	Zephyrhills	54.02 343	P	P	20 13 58.8 +0.3
758A	Lake Helen	54.42 344	P	P	20 14 01.7 +0.4
757A	Oxford	54.62 343	P	P	20 14 03.4 +0.6
658A	Bunnell	54.87 344	P	P	20 14 05.0 +0.4
656A	Williston	55.15 343	P	P	20 14 06.9 +0.3
657A	Interlachen	55.18 344	P	P	20 14 06.9 +0.1
655A	Horseshoe Beac	55.48 342	P	P	20 14 09.1 +0.2
656A	Lake Butler	55.71 343	P	P	20 14 10.4 -0.2
555A	McAlpin	55.98 343	P	P	20 14 12.4 0.0
554A	Perry	56.14 342	P	P	20 14 13.3 -0.3
456A	Hilliard	56.30 344	P	P	20 14 14.5 -0.3
553A	Crawfordville	56.45 342	P	P	20 14 15.9 +0.1
455A	Stateville	56.58 343	P	P	20 14 16.0 -0.7
552A	Lynn Haven	56.65 341	P	P	20 14 17.4 +0.2
454A	Quitman	56.72 342	P	P	20 14 17.3 -0.4
356A	Blackshear	56.90 344	P	P	20 14 18.7 -0.3
453A	Whigham	57.04 342	eP	P	20 14 20.1 +0.1
453A	Whigham	57.04 342	P	P	20 14 19.6 -0.4
VNA3	Neumayer Olymp	57.12 161	P	P	20 14 21.6 +1.5
257A	Skidaway Islan	57.26 345	P	P	20 14 21.4 0.0
452A	Marianna	57.29 341	P	P	20 14 21.8 +0.1
VNA1	Neumayer-Stat	57.31 160	P	P	20 14 23.3 +2.0
TIGA	Tifton	57.39 343	eP	P	20 14 23.3 +0.9
TIGA	Tifton	57.39 343	P	P	20 14 21.9 -0.5
256A	Glennville	57.47 345	P	P	20 14 22.2 -0.7
353A	Camilla	57.48 342	P	P	20 14 22.2 -0.8
255A	Hazlehurst	57.56 344	P	P	20 14 22.4 -1.2
450A	Crestview	57.68 340	P	P	20 14 23.0 -1.4
254A	Abbeville	57.79 343	P	P	20 14 24.2 -1.0
352A	Blakely	57.80 342	eP	P	20 14 26.0 +0.7
352A	Blakely	57.80 342	P	P	20 14 24.0 -1.3
158A	Hollywood	57.81 347	P	P	20 14 24.8 -0.4
449A	Pace	57.84 339	P	P	20 14 25.1 -0.4
RGRS	Roger Stewart	57.98 347	eP	P	20 14 28.4 +2.0
LNIG	Linares	58.02 325	eP	P	20 14 27.7 +0.7
LNIG	Linares	58.07 320	eP	P	20 15 18.4 +2.9
ZAIG	Zacatecas	58.07 320	eP	P	20 14 29.9 +2.3
BRAL	Brewton	58.16 339	eP	P	20 15 20.8 +4.5
BRAL	Brewton	58.16 339	eP	P	20 14 29.0 +1.3
BRAL	Brewton	58.16 339	eP	P	20 15 17.9 +1.3
NHSC	New Hope	58.16 347	eP	P	20 14 26.6 -1.2
NHSC	New Hope	58.16 347	eP	P	20 14 29.1 +1.3
155A	Kite	58.22 344	P	P	20 14 27.6 -0.5
252A	Lumpkin	58.23 342	P	P	20 14 27.2 -1.1
Z58A	St. Stephen	58.31 347	P	P	20 14 28.0 -0.7
154A	Montrose	58.38 344	eP	P	20 14 29.9 +0.7
154A	Montrose	58.38 344	P	P	20 14 28.8 -0.4
349A	Repton	58.38 339	P	P	20 14 27.8 -1.4
Z57A	Bowman	58.46 346	P	P	20 14 29.3 -0.4
251A	Midway	58.52 341	P	P	20 14 29.0 -1.2
153A	Fort Valley	58.60 343	P	P	20 14 29.9 -0.9
Y60A	Bolivia	58.65 349	eP	P	20 14 32.0 +0.9
Y60A	Bolivia	58.65 349	P	P	20 14 30.0 -0.7
250A	Grady	58.67 340	eP	P	20 14 31.3 +0.1
250A	Grady	58.67 340	eP	P	20 15 20.9 +0.9
250A	Grady	58.67 340	P	P	20 14 30.2 -1.1
Z55A	Blythe	58.72 345	P	P	20 14 30.4 -1.2
Y59A	Loris	58.76 348	P	P	20 14 30.6 -1.2
Y58A	Scranton	58.83 347	eP	P	20 14 33.9 +1.6
Y58A	Scranton	58.83 347	P	P	20 14 31.4 -0.9
152A	Waverly Hall	58.86 342	eP	P	20 14 32.5 -0.1
152A	Waverly Hall	58.86 342	P	P	20 14 31.4 -1.2
151A	Opelika	58.90 342	P	P	20 14 31.7 -1.2
Z54A	Sparta	58.93 344	P	P	20 14 31.9 -0.9
249A	Camden	58.93 340	P	P	20 14 32.1 -1.0
Y56A	Scranton	59.07 346	P	P	20 14 32.9 -1.0
Y57A	Sumter	59.09 347	eP	P	20 14 34.1 0.0
Y57A	Sumter	59.09 347	eP	P	20 15 21.4 -1.5
Y57A	Sumter	59.09 347	P	P	20 14 33.3 -0.8
Z53A	Monticello	59.13 344	P	P	20 14 33.5 -0.9
X60A	Albert Glenn T	59.17 349	P	P	20 14 33.7 -0.9
150A	Eclectic	59.18 341	P	P	20 14 33.9 -0.9
GOGA	Godfrey	59.23 344	eP	P	20 14 35.5 +0.4
GOGA	Godfrey	59.23 344	eP	P	20 14 35.5 +0.4
GOGA	Godfrey	59.23 344	P	P	20 14 34.1 -1.0
Z52A	Williamson	59.27 343	P	P	20 14 34.1 -1.3
X59A	McDuffie Farm,	59.27 349	P	P	20 14 34.1 -1.2
SNA4	Sanae	59.31 161	P	P	20 14 36.7 +1.5
SNA4	Sanae	59.31 161	P	P	20 14 36.9 +1.6
SNA4	Sanae	59.31 161	eP	P	20 14 36.1 +0.8

SNA4	Sanae	59.31 161	eP	P	20 15 23.6 -0.6
SNA4	Saluda	59.34 345	P	P	20 14 36.8 +1.5
Y55A	Rowland	59.40 348	eP	P	20 14 34.6 -1.2
X58A	Rowland	59.40 348	eP	P	20 14 37.3 +1.1
X58A	Rowland	59.40 348	eP	P	20 15 23.9 -1.0
X58A	Rowland	59.41 340	P	P	20 14 35.4 -0.8
149A	Jones	59.41 348	P	P	20 14 35.3 -1.0
X57A	Johnson Farm,	59.46 347	P	P	20 14 35.5 -1.1
Y54A	Tignall	59.46 345	P	P	20 14 35.7 -1.0
JSC	Jenkinsville	59.53 346	eP	P	20 14 38.2 +1.1
JSC	Jenkinsville	59.53 346	eP	P	20 14 38.2 +1.1
W60A	Pink Hill	59.59 349	P	P	20 14 36.4 -1.0
W61A	Grand Anchor	59.59 350	P	P	20 14 36.4 -1.1
Z51A	Franklin	59.60 342	P	P	20 14 36.5 -1.2
Y53A	Monte Carlo	59.68 344	P	P	20 14 36.7 -1.5
X56A	White Oak	59.68 346	P	P	20 14 37.3 -0.9
148A	Greensboro	59.70 340	P	P	20 14 36.9 -1.4
HODGE	Hodges	59.71 345	eP	P	20 14 40.1 +1.8
HODGE	Hodges	59.71 345	eP	P	20 15 25.5 -1.9
Z50A	Ashland	59.76 341	P	P	20 14 37.6 -1.1
X55A	Gracelyn & Ava	59.80 346	P	P	20 14 38.0 -0.9
CNCC	Cliffs of the	59.80 349	P	P	20 14 37.7 -1.3
Y52A	Lilburn	59.81 343	eP	P	20 14 39.4 +0.3
Y52A	Lilburn	59.81 343	eP	P	20 15 25.9 -2.1
Y52A	Lilburn	59.81 343	eP	P	20 14 37.8 -1.3
V62A	Hyde County Ai	59.82 351	P	P	20 14 38.1 -0.9
W59A	Clinton	59.83 349	P	P	20 14 37.7 -1.4
W58A	Raeford	59.83 348	P	P	20 14 38.1 -1.0
LRAL	Lakeview Retre	59.88 340	eP	P	20 14 40.0 +0.5
LRAL	Lakeview Retre	59.88 340	eP	P	20 15 26.6 -1.8
LRAL	Lakeview Retre	59.88 340	P	P	20 14 38.5 -2.6
Z49A	Columbiana	59.88 341	P	P	20 14 38.1 -1.4
X54A	Belton	60.04 345	P	P	20 14 38.9 -1.7
W57A	Gilead	60.10 347	eP	P	20 14 42.0 +1.0
W57A	Gilead	60.10 347	P	P	20 14 40.2 -0.8
Y51A	Rockmart	60.12 342	P	P	20 14 39.8 -1.4
V61A	Roper	60.13 351	P	P	20 14 40.1 -1.1
PAULI	Pauline	60.17 346	eP	P	20 14 42.2 +0.7
W56A	Indian Trail	60.21 347	P	P	20 14 41.2 -0.5
V60A	Jim Taylor Roa	60.21 350	eP	P	20 14 42.2 +0.5
V60A	Jim Taylor Roa	60.21 350	P	P	20 14 41.2 -0.5
X53A	Estanolee	60.22 344	P	P	20 14 41.8 0.0
Y50A	Piedmont	60.23 342	P	P	20 14 41.5 -0.9
VBMS	Vicksburg	60.31 337	P	P	20 14 41.7 -0.7
KMCS	Kings Mountain	60.37 346	eP	P	20 14 43.9 +1.1
KMCS	Kings Mountain	60.37 346	P	P	20 14 40.7 -2.1
V59A	Middlesex	60.37 349	P	P	20 14 42.0 -0.8
HKT	Hockley	60.46 331	eP	P	20 14 44.8 +1.4
HKT	Hockley	60.46 331	eP	P	20 15 29.6 -2.8
HKT	Hockley	60.46 331	eP	P	20 14 44.8 +1.4
HKT	Hockley	60.46 331	eP	P	20 15 29.6 -2.8
Y49A	Blount Mountai	60.46 341	eP	P	20 14 43.8 +0.3
Y49A	Blount Mountai	60.46 341	P	P	20 14 42.0 -1.5
X52A	Dalhousie	60.47 344	P	P	20 14 42.5 -1.0
W54A	Cherokee Point	60.51 345	P	P	20 14 43.0 -0.8
V58A	Windy Hill, Pi	60.56 348	P	P	20 14 43.1 -1.0
BG3	Lake Jocassee	60.60 345	eP	P	20 14 45.1 +0.7
BG3	Lake Jocassee	60.60 345	eP	P	20 15 28.8 +2.2
X51A	Calhoun	60.69 343	eP	P	20 14 44.9 -0.1
X51A	Calhoun	60.69 343	P	P	20 14 43.9 -1.1
Y48A	Jasper	60.74 340	P	P	20 14 43.3 -1.8
V57A	Coltrane Farms	60.77 348	P	P	20 14 44.3 -1.3
833A	Chaparral WMA,	60.78 327	eP	P	20 14 46.3 +0.6
833A	Chaparral WMA,	60.78 327	P	P	20 14 44.8 -0.9
X50B	Fort Payne	60.81 342	P	P	20 14 44.6 -1.2
W53A	Culowee	60.82 345	P	P	20 14 44.6 -1.4
V56A	Mocksville	60.84 347	eP	P	20 14 46.7 +0.7
V56A	Mocksville	60.84 347	P	P	20 14 44.9 -1.1
U59A	Littleton	60.87 350	eP	P	20 14 46.6 +0.4
U59A	Littleton	60.87 350	P	P	20 14 45.1 -1.0
W52A	Murphy	60.94 344	P	P	20 14 45.1 -1.6
V55A	Taylorville	61.03 347	P	P	20 14 45.9 -1.3
U58A	Oxford	61.04 349	P	P	20 14 46.2 -1.1
X49A	Woodville	61.05 341	P	P	20 14 45.4 -2.1
V54A	Nelso	61.12 346	P	P	20 14 46.3 -1.6
X48A	Hartselle	61.20 341	eP	P	20 14 48.3 -0.2
X48A	Hartselle	61.20 341	P	P	20 14 46.9 -1.6
V53A	Saluda	61.22 345	eP	P	20 14 48.8 +0.3
V53A	Saluda	61.22 345	P	P	20 14 46.6 -2.0
U57A	Blanch	61.22 348	P	P	20 14 46.8 -1.7
W51A	Cleveland	61.22 343	P	P	20 14 47.2 -1.3
U56A	King	61.34 347	P	P	20 14 47.2 -2.1
W50A	Signal Mountai	61.41 343	eP	P	20 14 49.9 0.0
W50A	Signal Mountai	61.41 343	P	P	20 14 48.6 -1.3
CPCT	Cooper Cave	61.43 343	eP	P	20 14 50.4 +0.5
T59A	Double "B" Far	61.44 350	eP	P	20 14 51.3 +1.4
T59A	Double "B" Far	61.44 350	P	P	20 14 48.4 -1.5
T60A	Surry	61.48 351	P	P	20 14 48.7 -1.5

baz=169	NATX	Nacogdoches	61.51 333	eP	P	20 14 51.8 +1.2
baz=2,215nm,1.3s	NATX	Nacogdoches	61.51 333	P	P	20 14 49.3 -1.3
baz=1,51nm,5.3	X47A	Russellville	61.51 340	P	P	20 14 48.9 -1.6
baz=158,SNR=41	V52A	Sevierville	61.57 344	eP	P	20 14 51.1 +0.2
comp=Z,57nm,1.3s	V52A	Sevierville	61.57 344	P	P	20 14 49.0 -1.9
baz=162	T58A	Grand View Acr	61.57 349	P	P	20 14 49.7 -1.2
baz=168,SNR=7.8	SWET	Seawater	61.59 342	eP	P	20 14 50.9 -0.2
comp=Z,69nm,0.9s	W49A	Belvidere	61.60 342	P	P	20 14 49.3 -1.8
baz=160,SNR=20	U55A	T2, Sparta	61.62 347	P	P	20 14 49.7 -1.6
baz=165,SNR=5.4	V51A	Loudon	61.72 344	eP	P	20 14 51.7 -0.2
comp=Z,16nm,0.9s	V51A	Loudon	61.72 344	P	P	20 14 50.1 -1.8
baz=162	T57A	Hurt	61.75 349	eP	P	20 14 53.3 +1.2

2d 20h

Table with columns: ID, Name, Address, Phone, Email, Website, and other details for various locations.

2013 JUL

Table with columns: ID, Name, Address, Phone, Email, Website, and other details for various locations.

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I53A	Kortright Cn E	68.46 320	P	P	20 15 34.4 -0.6
121A	Cookes Peak, D	68.51 323	P	P	20 15 35.8 -0.1
PKRO	Pickering	68.51 350	P	P	20 15 34.5 -0.9
N40A	Mertquake, Sal	68.52 340	P	P	20 15 34.7 -0.8
I55A	Frankford	68.56 352	P	P	20 15 35.5 -0.1
K46A	Dorr	68.59 345	P	P	20 15 33.2 -2.7
LONY	Lake Ozonia	68.60 354	eP	P	20 15 36.0 +0.1
LONY	Lake Ozonia	68.60 354	P	P	20 15 35.6 -0.3
M41A	Milan	68.65 341	P	P	20 15 35.0 -1.3
L44A	Lake County Fo	68.65 343	P	P	20 15 34.7 -1.6
J49A	Marlette	68.65 347	P	P	20 15 34.9 -1.3
I51A	Listowel	68.68 349	P	P	20 15 35.7 -0.7
KSU1	Kansas State U	68.68 335	P	P	20 15 35.4 -1.1
GGN	Saint George	68.71 360	eP	P	20 15 38.0 +1.5
FRNY	Flat Rock	68.72 355	eP	P	20 15 37.2 +0.6
J48A	Bridge Port	68.73 347	eP	P	20 15 36.7 0.0
J48A	Bridge Port	68.73 347	P	P	20 15 34.5 -2.2
H56A	Elgin	68.75 353	P	P	20 15 36.7 -0.2
I52A	Shelburne	68.79 350	P	P	20 15 36.2 -0.9
H55A	Tweed	68.82 352	P	P	20 15 37.3 0.0
DELO	Deloro Mine	68.85 352	eP	P	20 15 37.9 +0.5
DELO	Deloro Mine	68.85 352	P	P	20 15 36.9 -0.5
J47A	Summer	68.89 346	eP	P	20 15 38.2 +0.5
J47A	Summer	68.89 346	P	P	20 15 36.6 -1.1
PKME	Peaks-Kenny Pk	68.90 358	eP	P	20 15 39.2 +1.5
PKME	Peaks-Kenny Pk	68.90 358	P	P	20 15 38.3 +0.5
L42A	Oliver, Polo	68.97 342	eP	P	20 15 39.0 +0.8
L42A	Oliver, Polo	68.97 342	P	P	20 15 37.1 -1.2
BASO	Ashfield	69.00 348	P	P	20 15 37.6 -0.8
BWLO	Walkerton	69.00 349	P	P	20 15 38.1 -0.3
BNM	Barren Site	69.13 325	eP	P	20 15 40.5 +0.8
I49A	Point Hope	69.15 348	P	P	20 15 38.1 -1.2
J46A	Howard City	69.19 345	P	P	20 15 38.7 -0.8
Y22D	IRIS PASSCAL I	69.23 325	P	P	20 15 40.0 -0.2
K43A	Burlington	69.25 343	eP	P	20 15 40.8 +0.8
K43A	Burlington	69.25 343	P	P	20 15 39.3 -0.7
LPM	Los Pinos Moun	69.26 325	eP	P	20 15 42.1 +1.7
PLVO	Plevna	69.29 352	eP	P	20 15 41.3 +1.1
PLVO	Plevna	69.29 352	P	P	20 15 39.2 -0.9
H52A	Wyevale	69.30 350	P	P	20 15 39.8 -0.5
SADO	Sadowa	69.31 351	LR	LR	20 48 57.0
SADO	Sadowa	69.31 351	P	P	20 15 40.7 +0.5
LENM	Lemitar	69.33 325	eP	P	20 15 42.8 +1.9
BANO	Bancroft	69.38 351	P	P	20 15 40.5 -0.3
J45A	Montague	69.44 345	P	P	20 15 39.7 -1.4
G55A	Calabogie	69.46 352	P	P	20 15 40.5 -0.5
LMN	Caledonia Moun	69.47 1 eP	P	P	20 15 42.1 +0.9
BMRO	Meriville Lake	69.48 349	P	P	20 15 40.6 -0.7
L40A	Anamos	69.48 341	eP	P	20 15 41.1 -0.3
L40A	Anamosa	69.48 341	P	P	20 15 40.0 -1.4
I48A	Sherman Twp	69.56 347	P	P	20 15 41.0 -0.8
I47A	Gladwin	69.57 346	P	P	20 15 41.1 -0.8
G53A	Haliburton	69.58 351	P	P	20 15 40.8 -1.1
LAZ	Ladron	69.59 325	eP	P	20 15 44.4 +1.8
ANMO	Albuquerque	69.66 326	eP	P	20 15 43.9 +1.0
ANMO	Albuquerque	69.66 326	eP	Pmax	20 15 45.0 +2.1
ANMO	Albuquerque	69.66 326	P	Pmax	20 15 43.1 +0.2
TASM	ASL Pad, Albuq	69.66 326	P	P	20 15 42.9 -0.1
TASM	ASL Pad, Albuq	69.66 326	P	P	20 15 42.9 -0.1
CBKS	Cedar Bluff	69.68 333	eP	P	20 15 43.8 +1.0
CBKS	Cedar Bluff	69.68 333	eP	Pmax	20 15 43.8 +1.0
CBKS	Cedar Bluff	69.68 333	P	Pmax	20 15 41.9 -0.8
CBKS	Cedar Bluff	69.68 333	P	P	20 15 41.1 -1.6
PEMO	Pembroke	69.94 352	P	P	20 15 44.6 +0.5
SCIA	State Center	69.97 339	P	P	20 15 43.3 -1.1
I45A	Fountain	69.97 345	P	P	20 15 43.1 -1.2
JFWS	Jewell Farm	69.97 342	eP	P	20 15 44.8 +0.4
JFWS	Jewell Farm	69.97 342	eP	Pmax	20 15 44.8 +0.4
JFWS	Jewell Farm	69.97 342	P	Pmax	20 15 43.7 -0.7
H48A	Harrisville	69.98 347	eP	P	20 15 45.0 +0.7
H48A	Harrisville	69.98 347	P	P	20 15 43.2 -1.1
F55A	Otter Lake	69.99 353	P	P	20 15 43.9 -0.5
BUCO	Buck Lake	70.01 350	P	P	20 15 44.8 +0.3
TUC	Tucson	70.02 321	eP	P	20 15 46.8 +1.8
TUC	Tucson	70.02 321	eP	Pmax	20 15 46.8 +1.8
TUC	Tucson	70.02 321	P	Pmax	20 15 44.9 -0.1
KLBO	Killbear Provi	70.05 350	P	P	20 15 44.1 -0.7
H47A	Mio	70.06 347	P	P	20 15 43.8 -1.1
TRBO	Tobermont, Bru	70.14 349	P	P	20 15 44.6 -0.7
TRQ	Mont Tremblant	70.18 354	eP	P	20 15 46.4 +0.8
PQI	Presque Isle	70.28 359	eP	P	20 15 47.5 +1.4
ALGO	Algonquin Park	70.32 352	P	P	20 15 46.3 -0.1
F52A	Sundridge	70.34 351	P	P	20 15 46.4 -0.2
GLMI	Graying	70.36 347	P	P	20 15 46.2 -0.5

T25A	Trinidad	70.39 329	P	P	20 15 47.4 +0.1
H45A	Beulah	70.49 345	P	P	20 15 45.9 -1.6
I42A	Drager Farm,	70.51 343	eP	P	20 15 47.9 +0.3
I42A	Drager Farm,	70.51 343	P	P	20 15 46.5 -1.1
G47A	Hillman	70.53 347	P	P	20 15 46.8 -0.9
F51A	Arnstein	70.56 350	P	P	20 15 46.9 -1.0
E54A	Lac Duplat, Po	70.68 352	P	P	20 15 47.8 -0.7
E53A	Dumoine, Ponti	70.68 352	P	P	20 15 47.8 -0.8
E52A	Mattawa	70.72 351	P	P	20 15 47.6 -1.2
F49A	Sandfield	70.76 349	P	P	20 15 47.5 -1.5
H43A	Windswept, Lux	70.76 344	eP	P	20 15 50.2 +1.1
H43A	Windswept, Lux	70.76 344	P	P	20 15 47.8 -1.3
G45A	Suttons Bay	70.79 346	P	P	20 15 48.5 -0.7
BATG	Bathurst New B	70.87 0	eP	P	20 15 50.8 +1.1
G46A	Potoskey	70.88 347	P	P	20 15 48.3 -1.5
F48A	Evansville	70.92 348	P	P	20 15 50.2 +0.1
I41A	Arkdale	70.92 343	P	P	20 15 48.7 -1.4
214A	Organ Pipe Nat	70.95 320	P	P	20 15 49.7 -0.9
E51A	S1948 Merrick	71.09 351	P	P	20 15 49.7 -1.3
KSCO	Kaye Sheddok'	71.09 331	eP	P	20 15 52.7 +1.4
KSCO	Kaye Sheddok'	71.09 331	P	P	20 15 50.1 -1.3
E50A	Wahnapiitae	71.17 350	P	P	20 15 50.1 -1.4
LATQ	La Tuque	71.19 356	P	P	20 15 51.4 -0.2
X18A	Snowflake	71.20 323	eP	P	20 15 53.5 +1.3
BGNE	Belgrade	71.27 335	eP	P	20 15 52.4 +0.1
BGNE	Belgrade	71.27 335	P	P	20 15 51.0 -1.3
D54A	Lac Fusel, L	71.32 353	P	P	20 15 52.1 -0.3
D52A	ZEK Kipawa Sen	71.37 352	P	P	20 15 52.3 -0.4
F45A	CMU Biological	71.37 346	P	P	20 15 51.7 -1.0
D53A	Lac Vavie, Po	71.38 352	eP	P	20 15 52.9 +0.1
D53A	Lac Vavie, Po	71.38 352	P	P	20 15 52.5 -0.3
SDCO	Great Sand Dun	71.39 328	eP	P	20 15 54.2 +0.8
SDCO	Great Sand Dun	71.39 328	P	P	20 15 52.6 -0.8
E48A	Lockeayer	71.47 349	P	P	20 15 52.1 -1.3
W18A	Petrified Fore	71.52 324	eP	P	20 15 55.6 +1.4
W18A	Petrified Fore	71.52 324	P	P	20 15 53.5 -0.6
E47A	Iron Bridge	71.65 348	P	P	20 15 53.7 -0.7
E46A	Sault Ste Mari	71.77 347	eP	P	20 15 55.4 +0.3
E46A	Sault Ste Mari	71.77 347	P	P	20 15 54.5 -0.6
S22A	4UR Ranch, Cre	72.04 327	eP	P	20 15 58.7 +1.4
S22A	4UR Ranch, Cre	72.04 327	P	P	20 15 56.5 -0.8
F42A	Maple Grove Fa	72.05 344	P	P	20 15 55.4 -1.4
D48A	Paudash Townsh	72.08 349	P	P	20 15 56.7 -0.2
113A	Mohawk Valley,	72.09 320	eP	P	20 15 59.7 +2.4
D49A	Beulah Townshi	72.10 350	P	P	20 15 55.8 -1.2
G40A	Rib Lake	72.13 343	eP	P	20 15 57.6 +0.3
G40A	Rib Lake	72.13 343	P	P	20 15 56.1 -1.2
Q24A	White River, O	72.20 329	eP	P	20 15 59.4 +1.1
D47A	Chapleau	72.20 348	P	P	20 15 56.6 -1.1
D46A	Sault St. Mari	72.22 348	P	P	20 15 56.9 -0.8
E44A	Grand Marais A	72.35 346	P	P	20 15 57.5 -1.0
E43A	Lone Tree Farm	72.36 345	eP	P	20 15 59.4 +0.8
E43A	Lone Tree Farm	72.36 345	P	P	20 15 58.1 -0.5
VLDQ	Val d'Or	72.36 352	eP	P	20 15 59.9 +1.3
G39A	Ogalla	72.42 342	eP	P	20 15 58.9 -0.1
OGNE	Ogallala	72.43 333	eP	P	20 16 01.0 +1.7
OGNE	Ogallala	72.43 333	P	P	20 15 59.3 0.0
MVCO	Mesa Verde	72.46 326	eP	P	20 16 01.2 +1.5
MVCO	Mesa Verde	72.46 326	P	P	20 15 59.3 -0.4
Y14A	Wickenburg	72.48 321	eP	P	20 16 02.0 +2.3
COWI	Conover	72.62 344	eP	P	20 16 00.1 -0.1
F40A	Park Falls	72.71 343	P	P	20 16 00.2 -0.6
WUAZ	Wupatki	72.71 323	eP	P	20 16 03.3 +2.1
WUAZ	Wupatki	72.71 323	P	P	20 16 00.9 -0.3
ECSD	EROS Data Cent	72.73 338	eP	P	20 16 00.9 0.0
ECSD	EROS Data Cent	72.73 338	P	P	20 15 59.9 -1.0
SPMM	Marine on St.	72.83 341	eP	P	20 16 01.5 +0.1
SPMM	Marine on St.	72.83 341	P	P	20 16 00.4 -1.0
F39A	Loretta	72.82 343	P	P	20 16 01.1 -0.9
GLA	Glamis	72.93 319	eP	P	20 16 04.4 +2.1
GLA	Glamis	72.93 319	eP	Pmax	20 16 04.4 +2.1
GLA	Glamis	72.93 319	P	P	20 16 02.5 +0.2
ISCO	Idaho Springs	73.08 330	eP	P	20 16 04.8 +1.4
ISCO	Idaho Springs	73.08 330	eP	Pmax	20 16 04.8 +1.4
ISCO	Idaho Springs	73.08 330	P	P	20 16 02.3 -1.1
SMCO	Snowmass	73.23 328	eP	P	20 16 06.3 +1.9
F38A	Pierce - Schro	73.23 342	P	P	20 16 03.7 0.0
F37A	Hinrichs Farm,	73.23 341	P	P	20 16 03.4 -0.3
Y12C	Blythe	73.24 320	eP	P	20 16 06.2 +2.1
Y12C	Blythe	73.24 320	P	P	20 16 04.3 +0.2
LSOQ	Label-sur-Quev	73.24 353	P	P	20 16 03.4 -0.2
DRLN	Deer Lake	73.31 6	eP	P	20 16 04.9 +0.8
PV02	Paradox Valley	73.34 327	eP	P	20 16 06.3 +1.4

PV13	Radium Mtn., P	73.35 326	eP	P	20 16 06.9 +2.0
D41A	Chassel	73.38 345	eP	P	20 16 05.0 +0.5
D41A	Chassel	73.38 345	P	P	20 16 04.5 0.0
PDMCI	Parker Dam, Lak	73.40 320	P	P	20 16 04.7 -0.3
IKP	In-Ko-Pah, Jac	73.42 318	eP	P	20 16 05.5 +0.3
PV05	Paradox Valley	73.43 326	eP	P	20 16 06.3 +0.9
PV03	Paradox Valley	73.44 327	eP	P	20 16 07.2 +1.8
SWSC	Sam W. Stewart	73.44 318	P	P	20 16 05.8 +0.6
PV18	Skein Mesa, Pa	73.46 326	eP	P	20 16 07.1 +1.6
PV12	Saucer Basin	73.46 327	eP	P	20 16 07.0 +1.4
PV07	Paradox Valley	73.48 327	eP	P	20 16 07.2 +1.6
PV11	David Mesa, Pa	73.48 327	eP	P	20 16 07.5 +1.9
SYO	Syowa Base	73.50 159	iP	P	20 16 05.0 -0.1
PV17	East Wray Mesa	73.51 326	eP	P	20 16 07.6 +1.7
PV16	Nyswonger Mesa	73.52 327	eP	P	20 16 07.2 +1.3
PV19	Morning Glory	73.55 326	eP	P	20 16 07.2 +1.2
PMOZ	Porto Monti, M	73.55 42	eS	S	20 25 18.9 0.0
PV20	West Nyswonger	73.56 327	eP	P	20 16 07.5 +1.3
PV04	Paradox Valley	73.57 327	eP	P	20 16 07.3 +1.2
PV14	Lion Creek, Pa	73.62 326	eP	P	20 16 07.5 +1.0
PV22	Blue Mesa, Par	73.62 327	eP	P	20 16 07.7 +1.2
PV10	Paradox Valley	73.63 326	eP	P	20 16 07.7 +1.1
PV23	Carpenter Ridg	73.67 327	eP	P	20 16

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Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like MWC Mount Wilson, PASC Pasadena Art C, K22A Casper, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like FWXY Fox Creek, NVAR Mina Array Bea, IMW Indian Meadow, etc.

Table with columns: Station, Name, Frequency, Class, Power, and other details. Includes stations like PTOM Tomar, YBH Yreka Blue Hor, YBH Yreka Blue Hor, etc.

CASY	Casey	90.05	179	eP	P	20 17 33.1	+1.8
ETSF	Etsaut	90.06	42	eP	Pmax	20 17 33.8	+2.0
EPF	Esparras	90.69	42	eP	Pmax	20 17 37.6	+2.9
EPF	La Frestale	91.96	41	eP	Pmax	20 17 41.7	+1.3
ANGG	Ammassalik, Gr	91.99	12	eP	P	20 17 41.1	+1.1
MTFL	Montolieu	92.02	43	eP	Pmax	20 17 41.8	+1.0
MFF	Saint Martin d	92.33	39	eP	Pmax	20 17 43.2	+1.1
BBB	Bella Bella	92.79	327	eP	P	20 17 45.0	+0.9
GRR	Gorron	92.90	38	eP	Pmax	20 17 46.9	+2.2
KEST	Kesra	93.12	52	eP	P	20 17 48.3	+2.1
KEST	Kesra	93.12	52	eP	P	20 17 48.8	+2.6
LDF	La Druitiere	93.42	38	eP	Pmax	20 17 51.9	+4.8
TCF	Toulx Ste Croi	93.54	40	eP	Pmax	20 17 48.6	+0.8
URZ	Urewera	94.00	225	LR	LR	20 51 51.6	
BGF	Bois d'Agland	94.06	40	eP	Pmax	20 17 51.9	+1.8
YKA	Yellowknife Ar	94.17	340	P	P	20 17 51.8	+1.6
YKWS	Yellowknife Ar	94.22	340	eP	P	20 17 52.6	+2.2
SSB	Saint Sauveur	94.44	42	eP	P	20 17 52.5	+0.5
SSB	Saint Sauveur	94.44	42	eP	Pmax	20 17 52.5	+0.5
SMF	Signal de Mont	94.70	41	eP	Pmax	20 17 54.2	+1.2
BORG	Borgane	95.07	18	LR	LR	20 58 51.5	
ORIF	Oris-en-Rattie	95.09	43	eP	Pmax	20 17 56.9	+1.9
DIB	Dease Lake	95.55	327	eP	P	20 17 59.3	+2.6
SFB	Sospel	95.57	44	eP	Pmax	20 17 58.8	+1.6
LPL	La Plagne	95.91	43	eP	Pmax	20 18 00.8	+1.9
LPG	La Plagne	95.91	43	eP	Pmax	20 18 01.0	+2.0
HAU	Haudompre	96.85	40	eP	P	20 18 06.8	+4.0
DLBC	Dease Lake	97.31	332	eP	Pdf	20 18 05.8	+1.1
TUE	Stuetta	97.96	43	eP	Pdf	20 18 08.3	+0.2
SUMG	Summit	98.14	8	eP	Pdf	20 18 10.1	+1.6
SUMG	Summit	98.14	8	eP	Pmax	20 18 10.1	+1.6
FUORN	Otenpass-Fuom	98.60	43	eP	P	20 18 12.0	+1.0
FETA	Feichten	99.06	43	eP	Pdf	20 18 14.2	+1.3
MOTA	Moosalm	99.43	42	eP	Pdf	20 18 16.1	+1.6
SQTA	Sankt Quirin	99.44	42	eP	Pdf	20 18 15.5	+1.0
WATA	Walderalm	99.71	42	eP	Pdf	20 18 16.4	+0.6
WTTA	Wattenberg	99.72	43	Pdf	Pdf	20 18 16.6	+0.8
ABTA	Abfaltersbach	100.06	43	eP	Pdf	20 18 18.4	+1.2
ABTA	Abfaltersbach	100.06	43	eP	Pmax	20 18 18.4	+1.2
OBKA	Obir	101.25	44	eP	Pmax	20 23 35.2	-6.1
NKC	Novy Kostel	101.42	40	eP	Pmax	20 28 45.3	+3.2
NKC	Novy Kostel	101.42	40	eP	Pmax	20 29 46.9	+2.2
NKC	Novy Kostel	101.42	40	eP	Pmax	20 31 14.1	-3.8
MOA	Molin	101.59	43	eP	Pdf	20 18 25.9	+1.9
GERES	GERESS Array B	101.63	42	eP	Pmax	20 22 48.0	+1.3
GERES	Kasperske Hory	101.66	41	eP	Pmax	20 34 33.0	-5.4
KHC	KHC	102.17	39	eP	Pmax	20 28 45.3	+2.0
CLL	Collm	102.17	39	eP	Pmax	20 28 51.0	+5.5
CLL	Collm	102.17	39	eP	Pmax	20 29 49.0	-1.8
CLL	Collm	102.17	39	eP	Pmax	20 31 21.0	-4.7
CLL	Collm	102.17	39	eP	Pmax	20 32 40.0	-0.6
CLL	Collm	102.17	39	eP	Pmax	20 40 54.0	
BRG	Berggiesshobel	102.55	40	eP	Pmax	20 29 57.0	+3.0
PRU	Pruhonice	102.57	41	eP	Pmax	20 28 51.1	+3.7
PRU	Pruhonice	102.57	41	eP	Pmax	20 29 58.0	+3.8
GOPC	GO Pecny, Ondr	102.69	41	eP	Pmax	20 28 46.9	-1.2
GOPC	Upec	103.64	41	eP	Pmax	20 28 54.8	+2.2
UPC	Upec	103.64	41	eP	Pmax	20 30 04.6	+1.5
UPC	Dobruska-Polom	103.77	41	eP	Pmax	20 28 58.1	+5.0
DPC	Ostas	103.78	41	eP	Pmax	20 30 04.7	+0.4
OSTC	Ostas	103.78	41	eP	Pmax	20 31 39.7	-2.9
OSTC	Ostas	103.78	41	eP	Pmax	20 28 56.2	+3.1
DAWK	Dawson	104.05	334	eP	Pdf	20 18 35.4	+0.9
EAGL	Eagle	105.05	305	eP	Pdf	20 18 40.9	+2.0
ILAR	Eielson Array B	107.33	334	eP	Pdf	20 18 51.5	+2.4
ILAR	Eielson Array B	107.33	334	eP	Pmax	20 25 58.3	+1.7
AKASG	Malin Array B	111.77	43	eP	Pmax	20 34 13.6	-1.6
AKASG	Malin Array B	111.77	43	eP	Pmax	20 23 06.8	+1.5
AKASG	Malin Array B	111.77	43	eP	Pmax	20 34 00.6	+0.2
FINES	FINESS Array B	112.00	31	eP	Pmax	20 23 06.8	+1.4
FINES	FINESS Array B	112.00	31	eP	Pmax	20 33 59.5	-0.4
BRTR	Keskin Array B	112.51	35	eP	Pmax	20 23 08.4	+1.1
BRTR	Keskin Array B	112.51	35	eP	Pmax	20 34 01.4	-3.3
ARCES	ARCESS Array B	112.94	22	eP	Pmax	20 23 08.3	+1.2
ARCES	ARCESS Array B	112.94	22	eP	Pmax	20 33 56.0	-1.1
ANN	Anapa	116.22	50	eP	Pmax	20 23 16.5	+2.5
ANN	Anapa	116.22	50	eP	Pmax	20 23 16.5	+2.5
OBN	Obninsk	116.77	39	eP	Pmax	20 23 18.9	+1.6
OBN	Obninsk	116.77	39	eP	Pmax	20 23 18.9	+1.6
LPSR	Galich ya Gora	118.01	42	eP	Pmax	20 24 19.5	+4.3
LPSR	Galich ya Gora	118.01	42	eP	Pmax	20 24 20.1	+1.0

VSR	Storozhevo	118.07	43	eP	Pmax	20 23 18.0	+0.6
VSR	Storozhevo	118.07	43	eP	Pmax	20 23 18.0	+0.6
VORD	Divnogore	118.13	44	eP	Pmax	20 23 18.6	+1.1
VORD	Divnogore	118.13	44	eP	Pmax	20 23 18.6	+1.1
STKA	Stephens Creek	118.28	207	eP	Pmax	20 23 20.4	+1.8
STKA	Stephens Creek	118.28	207	eP	Pmax	20 33 38.6	-4.5
KBZ	Khabaz	119.99	52	eP	Pmax	20 23 23.7	+2.3
PRGR	Permogore	121.34	31	eP	Pmax	20 23 24.0	+0.5
PRGR	Permogore	121.34	31	eP	Pmax	20 23 24.0	+0.5
NWAO	Narrogin (S)	123.34	184	eP	Pmax	20 23 30.1	+1.5
BILL	Bilbino	125.53	338	eP	Pmax	20 23 32.5	+0.9
BILL	Bilbino	125.53	338	eP	Pmax	20 23 32.5	+0.9
BILL	Bilbino	125.53	338	eP	Pmax	20 25 23.1	
CTA	Charters Tower	125.76	219	eP	Pmax	20 23 35.0	+1.3
CTA	Charters Tower	125.76	219	eP	Pmax	20 23 35.0	+1.3
CTA	Charters Tower	125.76	219	eP	Pmax	20 23 35.0	+1.3
CTA	Charters Tower	125.76	219	eP	Pmax	20 23 35.0	+1.3
MORW	Morawa	127.25	183	eP	Pmax	20 23 37.8	+0.9
AS31	Alice Springs	128.65	204	eP	Pmax	20 23 39.4	+0.6
ASAR	Alice Springs	128.65	204	eP	Pmax	20 23 39.4	+0.6
ARU	Arti	128.94	36	eP	Pmax	20 23 39.4	+0.6
ARU	Arti	128.94	36	eP	Pmax	20 23 40.3	+1.5
ARU	Arti	128.94	36	eP	Pmax	20 25 52.3	
GEYT	Alibeck	131.27	60	eP	Pmax	20 24 46.7	-3.5
GEYT	Alibeck	131.27	60	eP	Pmax	20 24 46.7	-3.5
GEYT	Alibeck	131.27	60	eP	Pmax	20 26 49.9	+0.8
TIXI	Tiksi	131.44	354	eP	Pmax	20 23 43.7	+0.3
TIXI	Tiksi	131.44	354	eP	Pmax	20 23 43.7	+0.3
TIXI	Tiksi	131.44	354	eP	Pmax	20 23 49.5	+1.5
TIXI	Tiksi	131.44	354	eP	Pmax	20 23 49.5	+1.5
ABJKR	Abkajak	131.46	45	eP	Pmax	20 23 44.1	0.0
WB2	Warramunga Arr	131.83	207	eP	Pmax	20 23 46.1	+0.3
WRA	Warramunga Arr	131.83	207	eP	Pmax	20 23 46.3	+0.5
WRA	Warramunga Arr	131.83	207	eP	Pmax	20 26 53.3	-8.8
WRAB	Tennant Creek	131.84	207	eP	Pmax	20 23 45.6	-0.3
WRAB	Tennant Creek	131.84	207	eP	Pmax	20 23 47.0	+1.1
WRAB	Tennant Creek	131.84	207	eP	Pmax	20 23 47.0	+1.1
SEY	Seymour	133.14	337	eP	Pmax	20 23 48.1	+1.0
PSA00	Pilbara Seismi	134.33	188	eP	Pmax	20 23 50.9	0.0
PETK	Petrovlovsk	135.75	323	eP	Pmax	20 23 45.5	+0.5
PETK	Petrovlovsk	135.75	323	eP	Pmax	20 23 53.2	+0.5
PETK	Petrovlovsk	135.75	323	eP	Pmax	20 27 04.9	-4.0
BRVK	Borovoye	136.48	37	eP	Pmax	20 23 54.4	+0.2
BRVK	Borovoye	136.48	37	eP	Pmax	20 23 54.4	+0.2
YAK	Yakutsk	140.32	348	eP	Pmax	20 23 53.2	
YAK	Yakutsk	140.32	348	eP	Pmax	20 23 53.2	
KURK	Kurchatov	142.13	36	eP	Pmax	20 24 01.9	-3.9
KURK	Kurchatov	142.13	36	eP	Pmax	20 24 01.9	-3.9
ARSB	Arslanbob	142.23	53	eP	Pmax	20 24 02.2	-1.3
JAY	Jaypura	142.59	229	eP	Pmax	20 24 03.9	-1.0
JAY	Jaypura	142.59	229	eP	Pmax	20 24 03.9	-1.0
GENI	Geniyem	142.91	228	eP	Pmax	20 24 06.9	-1.6
AAK	Ala-Archa	142.95	50	eP	Pmax	20 24 05.3	-1.2
AAK	Ala-Archa	142.95	50	eP	Pmax	20 24 05.3	-1.2
AAK	Ala-Archa	142.95	50	eP	Pmax	20 24 05.3	-1.2
ZAAO	Zalesovo Array	143.18	28	eP	Pmax	20 24 02.7	-1.8
ZALV	Zalesovo Beam	143.18	28	eP	Pmax	20 24 03.1	+1.0
ZALV	Zalesovo Beam	143.18	28	eP	Pmax	20 27 25.2	+1.0
NIL	Nilore	143.74	65	eP	Pmax	20 24 04.0	-2.3
BOOM	Boomskeye usch	144.01	50	eP	Pmax	20 24 06.1	-4.1
BOOM	Boomskeye usch	144.01	50	eP	Pmax	20 24 06.1	-4.1
PALK	Pallekele	144.60	113	eP	Pmax	20 24 09.2	-2.8
PALK	Pallekele	144.60	113	eP	Pmax	20 24 09.2	-2.8
PALK	Pallekele	144.60	113	eP	Pmax	20 24 08.9	-3.1
BATI	Baumata	144.61	198	eP	Pmax	20 24 09.6	-2.5
BATI	Baumata	144.61	198	eP	Pmax	20 24 09.6	-2.5
BATI	Baumata	144.61	198	eP	Pmax	20 24 09.6	-2.5
SOEI	Soe	144.86	199	eP	Pmax	20 24 11.1	-1.6
SOEI	Soe	144.86	199	eP	Pmax	20 24 11.1	-1.6
KUR	Kuril'sk	144.90	316	eP	Pmax	20 24 10.0	-1.6
KUR	Kuril'sk	144.90	316	eP	Pmax	20 24 10.0	-1.6
KSH	Kashi	144.90	55	eP	Pmax	20 24 02.7	-5.2
KSH	Kashi	144.90	55	eP	Pmax	20 27 28.5	-0.7
KSH	Kashi	144.90	55	eP	Pmax	20 27 39.0	-4.8
KSH	Kashi	144.90	55	eP	Pmax	20 33 52.7	
KSH	Kashi	144.90	55	eP	Pmax	20 24 10.0	-1.6
KDJ	Kajisay	144.99	50	eP	Pmax	20 24 09.1	-3.1
KDJ	Kajisay	144.99	50	eP	Pmax	20 24 09.1	-3.1
PRZ	Przheval'sk	145.72	49	eP	Pmax	20 24 11.8	-1.9
PRZ	Przheval'sk	145.72	49	eP	Pmax	20 24 11.8	-1.9
MBSI	Makanochi	146.08	40	eP	Pmax	20 24 10.5	-1.6
MBSI	Makanochi	146.08	40	eP	Pmax	20 24 10.5	-1.6
WAKZ	Waikabubak, Su	146.12	191	eP	Pmax	20 24 14.2	-1.0
BOD	Bodaibo	146.14	359	eP	Pmax	20 24 10.2	-1.7
BOD	Bodaibo	146.14	359	eP	Pmax	20 24 10.2	-1.7
MK31	Makanochi Array	146.27	40	eP	Pmax	20 24 11.1	-1.7
MK31	Makanochi Array	146.27	40	eP	Pmax</		

2d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LNSS, TERO, CAFI, CAS, etc.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GTA, XAN, SONM, WMO, MKAR, etc.

Table with columns: BRU2, Volcan, 0.74 160 eP, Pb, 22 25 19.1 -0.9, etc.

Table with columns: SJA, IZC/B, GUC, ISC, 22:25:23.1, 0.7, 21:33S:67:21W, etc.

NEIC 02 22:36:32.3, 0.0, 19:10N:104:13W, h2km, MD4.0 (MEX), After MEX.

NEIC Felt [V] at Manzanillo. MEX 02 22:36:32.9, 0.7, 19:14N:104:11W, h7km, 4km, MD4.1.

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

MAN 02 22:43:18.6, 9.09N:127.03E, h1km, mb4.2, ML3.0, MS2.6, Philippine Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

ISC/B 02 23:02:47.1, 0.6, 1:45N:0:06:98:97E:0:07, h106km, 6km, mb3.6/3, Error ellipse: s-maj=13.1km s-min=6.4km az=143.3

ISC 02 23:02:47.9, 3.4, 1:47N:99:31E, h95km, 16km, mb3.4/3, mb1.3/5.4, mb1mx3.1/45, mbtmp3.74, MS2.9/1, Ms1 2.9/1, ms1mx2.4/19, Error ellipse: s-maj=124.8km s-min=22.4km az=60.0

DJA 02 23:02:48.9, 0.5, 1:12N:2:9:9E, h85km, 6km, M3.5/9, ML3.5/9

ISC 02 23:02:47.9, 0.9, 1:46N:0:06:98:98E:0:07, h100km, 9km, n12, c1512/16, mb3.4/3, Northern Sumatera

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: PRU 02 23:03:48.7, 0.0, 53:95N:6:74E, h0km, ISC/B 02 23:03:51.7, 0.2, 53:31N:0:02:6:60E:0:03, h0km, Error ellipse: s-maj=2.7km s-min=2.3km az=9.5

ISC 02 23:03:53.4, 2.2, 53:14N:6:31E, h0km, mb1.3/6/7, mb1mx3.3/46, mbtmp3.5/7, ML3.0/6, Error ellipse: s-maj=36.4km s-min=14.6km az=81.0

BGR 02 23:03:54.8, 0.4, 53:32N:6:55E, h5km, ML3.1/20, Error ellipse: s-maj=6.7km s-min=3.3km az=127.0

BGR Felt V EMS. BGS 02 23:03:55.0, 0.7, 53:33N:6:79E, h5km, ML3.4, ML3.4 LDG 02 23:03:56.5, 0.1, 53:26N:6:73E, h3km, M3.5/3, M3.2/49, Error ellipse: s-maj=1.5km s-min=1.4km az=2.0

BNS 02 23:03:56.3, 1.1, 53:24N:6:56E, h3km, ML2.8 UPP 02 23:03:59.4, 0.2, 6:53:50N:7:30E, h0km, ML2.0, Suspected explosion

ISC 02 23:03:52.3, 0.6, 53:28N:0:03:6:74E:0:03, h0km, n150, c283/215, The Netherlands

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, ISC, Time, Res, etc.

Table with columns: SFTF, Sextfontaines, 5.19 193 ePn, Pn, 23 05 12.8 +1.6, etc.

Table with columns: SFTF, comp=N, 3.0nm, 0.3s, eSg, Sn, 23 06 09.6 -2.2, etc.

Table with columns: HAU, HAU, comp=N, 4.6nm, 0.3s, eSg, Sn, 23 06 10.6 -3.5, etc.

Table with columns: EDM, EDM, comp=N, 11nm, 0.6s, eSg, Sn, 23 05 14.8 +1.3, etc.

Table with columns: HIN, HIN, comp=N, 32nm, 0.3s, IAML, 23 06 17.9, etc.

Table with columns: HIN, HIN, comp=E, 2.0nm, 0.3s, eSg, Sn, 23 06 15.8 -2.8, etc.

Table with columns: BOR, BOR, comp=N, 2.6nm, 0.3s, eSg, Sn, 23 05 15.3 -5.3, etc.

Table with columns: STR, STR, comp=N, 2.2nm, 0.5s, IAML, 23 06 26.1, etc.

Table with columns: STR, STR, comp=N, 20nm, 0.4s, IAML, 23 06 28.4, etc.

Table with columns: WET, WET, comp=N, 1.1nm, 0.4s, IAML, 23 05 21.4 +3.8, etc.

Table with columns: HLM, HLM, comp=N, 13nm, 0.4s, IAML, 23 06 29.9, etc.

Table with columns: HLM, HLM, comp=E, 10nm, 0.5s, IAML, 23 06 29.9, etc.

Table with columns: KES, KES, comp=N, 10.0nm, 0.6s, IAML, 23 06 40.3, etc.

Table with columns: KES, KES, comp=N, 10.0nm, 0.6s, IAML, 23 06 40.3, etc.

Table with columns: KHC, KHC, comp=N, 11.2nm, 0.6s, eSg, Sn, 23 05 24.1 +2.1, etc.

Table with columns: KHC, KHC, comp=N, 11.2nm, 0.6s, eSg, Sn, 23 05 24.1 +2.1, etc.

Table with columns: MON, MON, comp=N, 1.1nm, 0.6s, IAML, 23 06 34.3, etc.

Table with columns: MON, MON, comp=N, 1.4nm, 0.3s, IAML, 23 06 35.3, etc.

Table with columns: MON, MON, comp=N, 1.4nm, 0.3s, IAML, 23 06 35.3, etc.

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Table with columns: MON, MON, comp=N, 1.4nm, 0.3s, IAML, 23 06 35.3, etc.

Table with columns: MON, MON, comp=N, 1.4nm, 0.3s, IAML, 23 06 35.3, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Valandovo, Klokotos Trika, Litokhoron, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEDZ, Geviz, TVSB, Uak-Merkez, etc.

3d 3h

Table with columns: YERR, Yerington, 35.23, 92, eP, P, 03 47 23.9 +1.5, etc. Lists various locations and their associated data points.

2013 JUL

Table with columns: ISA, Isabella, Lake, 37.77, 96, eP, P, 03 47 44.5 +0.6, etc. Lists various locations and their associated data points.

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Table with columns: LAO, Lasa Array, 39.04, 72, P, P, 03 47 55.1 +0.6, etc. Lists various locations and their associated data points.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MJAR, MAJO, MAJQ, MAJW, MAJX, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SMCO, MVCO, MVCO, ULM, ULM, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like EYMN, EYMN, HSIG, HSIG, SNY, SNY, etc.

3d 3h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like DAG Danmarks Havn, L40A Anamosa, SP10A Spitsbergen Ar, etc.

2013 JUL

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I45A Fountain, M43A Waltham Townsh, E47A Iron Bridge, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H48A Harrisville, F49A Sandfield, L46A Eue Claire, etc.

047A	Sheridan	54.61	68	P	P	03 49 54.0	-2.3
HHC	Hu-ho-hao-te	54.62	293	P	P	03 49 57.3	+0.9
HHC				S	S	03 57 37.1	+1.3
HHC				S	S	03 59 45.0	-0.4
HHC				SS	SS	04 01 20.0	+2.0
HHC	comp=Z,31nm,1.2s				pmax		
HHC	comp=Z,130nm,6.7s				LR	LR	
HHC	comp=Z,3um,15.6s				LR	LR	
KLBO	comp=Z,2um,16.1s	54.63	60	P	P	03 49 55.5	-0.8
833A	Kilbear Covi	54.63	60	P	P	03 49 55.5	-0.8
833A	Chaparral WMA	54.63	88	eP	P	03 49 56.4	-0.2
833A	comp=Z,2um,19.0s			eP	P	03 50 58.9	-0.5
833A	Chaparral WMA	54.63	88	P	P	03 49 56.3	-0.2
833A	baz=315,SNR=43						
M48A	Edgerton	54.64	66	eP	P	03 49 55.1	-1.2
M48A	comp=Z,358nm,1.0s				LR	LR	
M48A	comp=Z,3um,19.0s	54.64	66	P	P	03 49 54.7	-1.7
M48A	Edgerton	54.64	66	P	P	03 49 54.7	-1.7
M48A	baz=311,SNR=9.8						
R45A	Skyler, Fairri	54.66	71	P	P	03 49 55.1	-1.5
R45A	baz=312,SNR=50						
BRCO	Bruce Peninsul	54.68	61	P	P	03 49 55.9	-0.7
BRCO	baz=310,SNR=20						
AAM	Ann Arbor	54.71	65	eP	P	03 49 55.7	-1.2
AAM	comp=Z,125nm,1.2s				LR	LR	
AAM	Ann Arbor	54.71	65	eP	P	03 49 55.7	-1.2
AAM	comp=Z,2um,20.0s				pmax	pmax	
AAM	comp=Z,125nm,1.2s				MLR	MLR	
AAM	Ann Arbor	54.71	65	P	P	03 49 55.5	-1.3
AAM	baz=311,SNR=9.1						
BASO	Ashfield	54.71	62	P	P	03 49 56.4	-0.5
BASO	baz=310,SNR=54						
CHGO	Chibougamau	54.72	70	P	P	03 49 54.9	-1.9
CHGO	baz=310,SNR=46						
Q46A	CEJHS Indians	54.72	52	P	P	03 49 55.0	-2.0
Q46A	baz=311						
L49A	Milan	54.77	65	P	P	03 49 56.3	-1.0
L49A	baz=311,SNR=30						
F52A	Sundridge	54.83	59	P	P	03 49 56.7	-1.0
F52A	baz=310,SNR=111						
WLAR	White Oak Lake	54.83	78	eP	P	03 49 57.3	-0.5
WLAR	comp=Z,327nm,1.1s				LR	LR	
D53A	Lac Vachiv, Po	54.85	57	eP	P	03 49 57.0	-0.9
D53A	comp=Z,133nm,1.0s				LR	LR	
D53A	Lac Vachiv, Po	54.85	57	P	P	03 49 56.9	-0.9
D53A	baz=310,SNR=89						
PARMO	Parma	54.86	74	eP	P	03 49 56.7	-1.3
PARMO	comp=Z,354nm,1.1s				LR	LR	
E52A	Mattawa	54.86	58	P	P	03 49 56.9	-1.1
E52A	baz=310,SNR=91						
N48A	Decatur	54.87	67	P	P	03 49 56.1	-2.0
N48A	baz=311,SNR=52						
BWLO	Walkerton	54.93	61	P	P	03 49 57.8	-0.6
BWLO	baz=311,SNR=49						
K50A	Casco	54.98	63	eP	P	03 49 58.4	-1.0
K50A	comp=Z,131nm,1.2s				LR	LR	
K50A	Casco	54.98	63	P	P	03 49 57.4	-1.5
K50A	baz=311,SNR=8.8						
SCHO	Schefferville	55.01	44	P	P	03 49 58.3	-0.6
SCHO	comp=Z,112nm,1.0s, baz=323,slow=7, SNR=43				LR	LR	
SCHO	Schefferville	55.01	44	eP	P	03 49 58.4	-0.6
SCHO	comp=Z,2um,18.5s, baz=320,slow=38				LR	LR	
SCHO	comp=Z,143nm,1.0s				LR	LR	
SCHO	comp=Z,2um,18.0s				LR	LR	
BUKO	Buck Lake	55.01	59	P	P	03 49 58.1	-0.9
BUKO	baz=311,SNR=69						
P47A	Martinsville	55.05	69	P	P	03 49 57.6	-1.8
P47A	baz=312,SNR=42						
HBAR	Harrisburg	55.06	75	eP	P	03 49 58.8	-0.7
HBAR	comp=Z,182nm,1.2s				LR	LR	
HBAR	comp=Z,1um,20.0s				LR	LR	
PVMO	Portageville	55.06	74	PFAKE	P	03 50 10.0	+1.1
PVMO	comp=Z,2um,18.0s				LR	LR	
M49A	Liberty Center	55.06	65	P	P	03 49 58.0	-1.4
M49A	baz=311,SNR=76						
BLO	Bloomington	55.11	69	eP	P	03 49 58.4	-1.4
BLO	comp=Z,212nm,1.0s				LR	LR	
BLO	Bloomington	55.11	69	eP	P	03 49 58.4	-1.4
BLO	comp=Z,2um,21.0s				pmax	pmax	
BLO	comp=Z,212nm,1.0s				MLR	MLR	
R46A	Gibon Southern	55.16	71	P	P	03 49 58.7	-1.5
R46A	baz=312,SNR=20						
GNAR	Gosnell	55.17	74	eP	P	03 49 59.6	-0.7
GNAR	comp=Z,136nm,1.2s				LR	LR	
GNAR	comp=Z,2um,20.0s				LR	LR	
NATX	Nacogdoches	55.19	81	eP	P	03 50 00.5	0.0
NATX	comp=Z,200nm,1.0s				LR	LR	
NATX	comp=Z,3um,19.0s				LR	LR	
NATX	Nacogdoches	55.19	81	P	P	03 50 00.2	-0.2
NATX	baz=314,SNR=12						
O48A	Farmland	55.19	67	P	P	03 49 58.2	-2.2
O48A	baz=311,SNR=9.7						
I51A	Listowel	55.20	62	P	P	03 49 59.9	-0.4
I51A	baz=311,SNR=107						
USIN	University of	55.24	71	eP	P	03 49 59.3	-1.4
USIN	comp=Z,429nm,1.1s				LR	LR	
USIN	comp=Z,2um,19.0s				LR	LR	
H52A	Wyevale	55.27	60	P	P	03 49 59.8	-1.0
H52A	baz=311,SNR=30						
T45A	Paducah	55.28	72	eP	P	03 50 00.6	-0.5
T45A	comp=Z,318nm,1.2s				LR	LR	
T45A	comp=Z,2um,19.0s				LR	LR	
T45A	Paducah	55.28	72	P	P	03 49 59.5	-1.6
T45A	baz=312,SNR=7.5						
Z41A	Richland Creek	55.31	79	eP	P	03 50 01.1	-0.2
Z41A	comp=Z,99nm,1.3s				LR	LR	
Z41A	comp=Z,2um,18.0s				LR	LR	
Z41A	Richland Creek	55.31	79	P	P	03 50 00.5	-0.8
Z41A	baz=313,SNR=7.5						
N49A	Columbus Grove	55.31	66	eP	P	03 49 59.6	-1.7
N49A	comp=Z,138nm,0.9s				LR	LR	
N49A	comp=Z,4um,18.0s				LR	LR	
N49A	Columbus Grove	55.31	66	P	P	03 49 59.5	-1.8
N49A	baz=311,SNR=33						
Q47A	Bedord North L	55.32	69	P	P	03 49 59.7	-1.6
Q47A	baz=312,SNR=34						
E53A	Dumoine, Ponti	55.33	57	P	P	03 50 00.3	-1.0
E53A	baz=311,SNR=174						
D54A	Lac Fusel, La	55.35	56	P	P	03 50 00.1	-1.3
D54A	baz=311,SNR=50						
L50A	Kingsville	55.35	64	P	P	03 49 60.0	-1.6
L50A	baz=311,SNR=7.8						
SSE	Sheshan	55.38	278	P	S	03 50 02.3	+0.5
SSE				S	S	03 57 46.4	+0.5
SSE	comp=Z,46nm,1.1s				pmax	pmax	
SSE	comp=Z,450nm,3.5s				LR	LR	
SSE	comp=Z,450nm,18.2s				LR	LR	
SSE	comp=Z,300nm,17.7s				LR	LR	

S46A	Don Dixon Farm	55.39	71	P	P	03 50 00.1	-1.8
S46A	baz=312,SNR=25						
ALGO	Algonquin Park	55.40	58	P	P	03 50 00.7	-1.1
ALGO	baz=311,SNR=127						
GLAT	Glass	55.40	74	eP	P	03 50 01.7	-0.2
GLAT	comp=Z,210nm,1.2s				LR	LR	
IS2A	Shelburne	55.49	61	P	P	03 50 01.8	-0.7
IS2A	baz=311,SNR=26						
CCAR	Cane Creek	55.49	77	eP	P	03 50 02.6	+0.1
CCAR	comp=Z,353nm,1.1s						
E54A	Lac Daplat, Po	55.54	57	P	P	03 50 01.7	-1.1
E54A	baz=311,SNR=178						
P48A	Milroy	55.56	68	eP	P	03 50 00.9	-2.2
P48A	comp=Z,171nm,1.1s				LR	LR	
P48A	Milroy	55.56	68	P	P	03 50 00.7	-2.3
P48A	baz=312,SNR=58						
SADO	Sadowa	55.59	60	eP	P	03 50 01.9	-1.3
SADO	comp=Z,108nm,1.0s				LR	LR	
SADO	comp=Z,1um,20.0s				LR	LR	
UTMT	University of	55.61	73	eP	P	03 50 02.6	-0.8
UTMT	comp=Z,276nm,1.0s						
HALT	Halls	55.61	74	eP	P	03 50 03.1	-0.4
HALT	comp=Z,407nm,1.3s				LR	LR	
HALT	comp=Z,2um,20.0s				LR	LR	
X43A	Marvel	55.62	76	eP	P	03 50 02.6	-1.0
X43A	comp=Z,192nm,0.9s				LR	LR	
X43A	comp=Z,1um,19.0s				LR	LR	
X43A	Marvel	55.62	76	P	P	03 50 02.3	-1.2
X43A	baz=313,SNR=32						
K51A	Iona Station	55.63	63	P	P	03 50 02.5	-1.0
K51A	baz=311,SNR=15						
G53A	Haliburton	55.64	59	P	P	03 50 02.7	-0.8
G53A	baz=311,SNR=85						
M50A	Fremont	55.64	65	eP	P	03 50 02.5	-1.1
M50A	comp=Z,74nm,1.0s				LR	LR	
M50A	comp=Z,3um,18.0s				LR	LR	
M50A	Fremont	55.64	65	P	P	03 50 01.9	-1.7
M50A	baz=311,SNR=7.4						
PLIO	Pelee Island,	55.65	64	P	P	03 50 02.1	-1.5
PLIO	baz=311,SNR=8.4						
BTO	Baotou	55.66	294	eP	P	03 50 02.6	-1.3
R47A	Woody Knot Far	55.69	70	eP	P	03 50 02.3	-1.7
R47A	baz=312,SNR=29						
SCO	Scoreboardsynd	55.69	13	eP	P	03 50 05.1	+1.5
SCO	comp=Z,218nm,1.1s				LR	LR	
SCO	comp=Z,2um,18.0s				P	P	
SCO	Scoreboardsynd	55.69	13	eP	P	03 50 04.9	+1.4
SCO	comp=Z,220nm,1.1s				MLR	MLR	
SCO	comp=Z,2um,18.0s				MLR	MLR	
SCO	Scoreboardsynd	55.69	13	eP	P	03 50 04.9	+1.4
SCO	comp=Z,215nm,1.1s						
SCO	comp=Z,2um,18.0s						
O49A	Covington	55.70	67	eP	P	03 50 02.2	-1.9
O49A	comp=Z,159nm,0.9s				LR	LR	
O49A	comp=Z,5um,18.0s				LR	LR	
O49A	Covington	55.70	67	P	P	03 50 02.1	-1.9
O49A	baz=312,SNR=29						
HKT	Hockley	55.71	84	eP	P	03 50 04.2	0.0
HKT	comp=Z,90nm,1.3s				LR	LR	
HKT	comp=Z,2um,18.0s				LR	LR	
HKT	Hockley	55.71	84	eP	P	03 50 03.9	-0.3
HKT	comp=Z,2um,18.0s				pmax	pmax	
T46A	Princeton	55.72	72	P	P	03 50 02.8	-1.4
T46A	baz=312,SNR=66						
Q48A	North Vernon	55.73	69	P	P	03 50 02.3	-2.0
Q48A	baz=312,SNR=33						
MET	Memphis-Engin	55.79	75	eP	P	03 50 04.5	-0.2

AAA	eS	S	04 01 00.7 +4.0
AAA	pmx	pmx	
AAA	comp=Z,500nm,1.7s	smx	smx
AAA	comp=E,900nm,7.9s	MLR	MLR
TVO	comp=Z,700nm,16.0s	70.74 162	eP P 03 51 44.6 +0.7
KMI	comp=Z,23nm,0.9s	70.93 286	PFALKE LR 03 52 00.0 +15
KMI	comp=Z,700nm,20.0s	70.93 286	P P 03 51 45.3 -0.1
KMI	comp=Z,19nm,0.4s	03 51 47.8 +0.1	
KMI	comp=Z,188nm,0.9s	04 01 44.8 -3.2	
KMI	comp=Z,67nm,1.4s	04 05 28.0 -5.1	
KMI	comp=Z,520nm,7.9s	pmx	pmx
KMI	comp=Z,560nm,19.2s	LR	LR
KMI	comp=Z,810nm,15.8s	LR	LR
SLIT	comp=Z,640nm,20.4s	70.93 355	eP P 03 51 45.0 +0.4
SLIT	comp=Z,3um,0.9s	03 51 47.2	
SLIT	comp=Z,3um,0.9s	ePP PP	03 54 16.2 -4.8
BAKI	Biak	71.06 242	P P 03 51 46.3 +0.3
MEH	Mehetia	71.07 161	P P 03 51 46.7 +0.9
QIZ	comp=Z,23nm,1.0s	71.15 277	P S 03 51 46.0 -0.6
QIZ	comp=Z,410nm,6.3s	04 01 01.5 -0.8	
QIZ	comp=Z,500nm,17.1s	LR	LR
QIZ	comp=Z,570nm,17.6s	LR	LR
MOS	Moscow	71.16 346	eP P 03 51 44.7 -1.4
MOS	comp=Z,410nm,1.4s	03 54 24.2	
MOS	comp=Z,900nm,2.1s	ePPP PPP	03 56 13.0
MOS	comp=Z,410nm,1.4s	eS S	04 01 01.5 -0.8
MOS	comp=Z,900nm,2.1s	pmx	pmx
MOS	comp=E,1um,5.7s	smx	smx
MOS	comp=N,600nm,4.3s	smx	smx
KDJ	Kajisay	71.38 315	eP P 03 51 48.6 +0.7
KDJ	comp=N,139nm,1.0s	LR	LR
KDJ	comp=Z,1um,20.0s	LR	LR
KDJ	comp=Z,139nm,1.0s	71.38 315	eP P 03 51 48.6 +0.7
KDJ	comp=Z,1um,20.0s	eP Pmax	
KDJ	comp=Z,139nm,1.0s	MLR	MLR
SGDS	Sogindy	71.41 317	iP P 03 51 48.5 +0.6
SGDS	comp=Z,171nm,1.4s	eS S	04 01 07.2 +1.4
SGDS	comp=Z,156nm,7.0s	eLR LR	04 26 49.0
TKM2	Tokmak 2	71.43 317	iP Pmax 03 51 48.5 +0.3
TKM2	comp=Z,219nm,1.3s	P P	03 51 48.9 +0.7
TKM2	Tokmak 2	71.43 317	P P 03 51 48.9 +0.7
EDU	Dundee	71.47 9	eP P 03 51 48.9 +1.0
AKTO	Aktjubinsk	71.47 332	P P 03 51 48.7 +0.7
AKTO	comp=Z,115nm,0.8s,baz=39,slow=5.5,SNR=283	iP Pmax	03 51 48.7 +0.7
INVG	Invergeldie, C	71.48 10	eP IAMB 03 51 48.7 +0.7
INVG	comp=Z,111nm,1.0s	IAMB IAMB	03 51 50.5
LAWE	Loch Awe, Argy	71.49 11	eP IAMB 03 51 48.9 +0.9
LAWE	comp=Z,186nm,1.0s	IAMB IAMB	03 51 50.7
LAWE	comp=Z,2um,20.0s	IAMS_20 IAMS_20	04 21 54.6
SRPI	Serui, Papua	71.55 242	P P 03 51 48.9 -0.1
USP	Ospenwaka	71.62 317	P P 03 51 50.1 +1.0
BOOM	Boomskeye usch	71.63 316	PFALKE LR 03 52 00.0 +11
BOOM	comp=Z,1um,18.0s	LR LR	
EAB	Aberfoyle	71.68 10	eP P 03 51 50.1 +0.9
ULHL	Ulahoi	71.70 316	P P 03 51 50.5 +0.6
CHMS	Chumysh	71.73 317	P P 03 51 52.0 +2.3
AB31	Akbulak array	71.92 330	eP Pmax 03 51 51.3 +0.6
AB31	comp=Z,112nm,0.8s	P P	03 51 51.5 +0.7
ABKAR	Akbulak array	71.92 330	eP P 03 51 51.5 +0.7
ABKAR	comp=Z,180nm,1.0s	P P	03 51 52.2 +1.1
KBK	Karagaybulak	71.92 317	P P 03 51 52.2 +1.1
OBN	Obninsk	71.93 346	eP P 03 51 51.2 +0.6
OBN	comp=Z,242nm,0.9s	LR LR	
OBN	comp=Z,2um,19.0s	71.93 346	iP P 03 51 51.1 +0.4
OBN	comp=Z,2um,19.0s	03 51 50.8 +0.1	
OBN	comp=Z,2um,19.0s	03 51 54.5	
OBN	comp=Z,2um,19.0s	03 52 10.4	
OBN	comp=Z,2um,19.0s	03 56 15.5	
OBN	comp=Z,2um,19.0s	04 01 12.0 +0.9	
OBN	comp=Z,2um,19.0s	04 05 48.0 +1.7	
FRU1	Bishkek	71.93 317	eP P 03 51 53.6 +2.6
FRU1	comp=Z,330nm,0.9s	LR LR	
PGBU	Gleniferbraes	72.03 10	eP IAMB 03 51 52.1 +0.8
PGBU	comp=Z,1um,19.0s	IAMB IAMB	03 51 54.0
ESY	Stoneypath	72.13 9	eP P 03 51 52.5 +0.7
AAK	Ala-Archa	72.13 317	eP P 03 51 53.3 +0.9
AAK	comp=Z,166nm,0.9s	LR LR	
AAK	comp=Z,1um,18.0s	72.13 317	iP P 03 51 53.2 +0.9
AAK	Ala-Archa	SNR=106	P P 03 51 53.1 +0.7
AAK	Ala-Archa	72.13 317	dIP Pmax 03 51 53.3 +0.9
AAK	Ala-Archa	SNR=88	P P 03 51 53.3 +0.9
EBL	Broad Law	72.22 9	eP P 03 51 53.4 +0.9
KZA	Kyzart	72.27 316	P P 03 51 55.8 +2.3
BBSR	BB Station	72.31 60	eP P 03 51 53.5 +0.2
MUD	Monsted Ugrnd	72.32 2	eP Pmax 03 51 54.3 +1.3
MUD	comp=Z,180nm,1.1s	MLR MLR	
MUD	comp=Z,1um,26.0s	72.32 2	iP P 03 51 54.3 +1.3
MUD	comp=Z,177nm,1.1s	04 23 24.7	
IDGL	Inch Island, C	72.39 12	eP P 03 51 55.3 +1.8
IDGL	comp=Z,1um,22.1s	IAMS_20 IAMS_20	04 23 24.7
RKPI	Ranski, Papua	72.40 244	P P 03 51 50.1 -4.0
PMG	Port Moresby	72.41 228	eP P 03 51 54.8 +0.8
PMG	comp=Z,132nm,0.8s	LR LR	
PMG	comp=Z,1um,22.0s	72.41 228	dIP Pmax 03 51 55.3 +1.2
PMG	comp=Z,1um,22.0s	03 51 55.3 +1.2	
PMG	comp=Z,464nm,0.8s	P P	03 51 55.1 +1.1

UCH	SNR=130	72.46 317	P P 03 51 55.8 +1.1	
IZAR	Uchtor	SNR=71	P P 03 51 54.7 +0.5	
IZAR	Zarasai	72.52 352	eP IAMB 03 51 56.9	
CLGH	comp=Z,132nm,0.9s	72.56 11	eP IAMB 03 51 55.7 +1.3	
CLGH	Cloghs, Cushen	72.56 11	eP IAMB 03 51 57.0	
CLGH	comp=Z,143nm,1.3s	IAMS_20 IAMS_20	04 22 28.4	
EKA	Eskdalemuir Ar	72.65 10	P Pmax 03 51 55.4 +0.4	
EKA	comp=Z,3um,21.1s	P Pmax		
ESK	Eskdalemuir	72.66 10	eP P 03 51 56.1 +1.0	
ESK	comp=Z,19nm,0.4s	eP P		
ESK	Eskdalemuir	72.66 10	eP IAMB 03 51 56.3 +1.2	
ESK	comp=Z,188nm,0.9s	IAMB IAMB	03 51 57.8	
ESK	comp=Z,187nm,0.9s	IAMS_20 IAMS_20	04 24 46.4	
ESK	comp=Z,5um,16.6s	72.66 10	iP P 03 51 56.5 +1.4	
ESK	Eskdalemuir	72.66 10	eP P 03 51 56.5 +0.7	
ISAL	Salakas	72.71 352	eP IAMB 03 51 58.1	
ISAL	comp=Z,134nm,1.0s	72.72 89	eP P 03 51 55.9 -0.3	
TGUH	Teguicigal,Un	72.72 89	eP P 03 51 55.9 -0.3	
TGUH	comp=Z,138nm,1.2s	LR LR		
TGUH	comp=Z,600nm,19.0s	72.88 10	eP P 03 51 57.3 +0.9	
BHH	Hayashi Hill	72.88 10	eP P 03 51 59.6 +2.4	
AML	Almays Hill	72.89 317	P P 03 51 57.3 +0.9	
AML	comp=Z,12	SNR=12	P P 03 51 57.3 +0.8	
IDID	Idziasalis	72.91 352	eP IAMB 03 51 59.2	
IDID	comp=Z,105nm,0.9s	72.92 352	eP IAMB 03 51 57.5 +0.9	
IIGN	Ignalina	72.92 352	eP IAMB 03 51 59.4	
IIGN	comp=Z,150nm,0.9s	72.94 11	eP IAMB 03 51 57.7 +1.0	
GALI	Galloway	72.94 11	eP IAMB 03 51 59.2	
GALI	comp=Z,92nm,0.9s	IAML	03 51 59.3	
GALI	comp=Z,888nm,0.8s	GALI	04 22 24.2	
GALI	comp=Z,394nm,4.0s	IAMS_20	03 51 58.0 -0.1	
SLVN	Son La	73.07 283	eP P 03 51 58.0 -0.1	
SLVN	comp=Z,52nm,1.1s	LR LR		
SLVN	comp=Z,800nm,21.0s	73.14 0	iP Pmax 03 51 58.9 +1.0	
COP	Copenhagen	73.14 0	iP Pmax 03 51 58.9 +1.0	
COP	comp=Z,130nm,1.0s	MLR MLR		
COP	comp=Z,600nm,20.0s	73.14 0	iP P 03 51 58.9 +1.0	
COP	comp=Z,133nm,1.0s	73.26 9	eP P 03 51 59.5 +0.8	
COP	comp=Z,580nm,20.0s	EDMD EDMD	03 52 01.4	
EDMD	Edmundbyers	73.26 9	eP IAMB 03 51 59.5 +0.8	
EDMD	comp=Z,191nm,0.9s	NACGM NACGM	73.31 352	
NACGM	Naroch	73.31 352	eP Pmax 03 51 58.0 -0.9	
NACGM	comp=Z,214nm,1.0s	P Pmax 03 52 02.2		
NACGM	comp=Z,1um,21.0s	73.40 320	eP P 03 52 00.2 +0.5	
NACGM	Karabay Array	73.40 320	eP Pmax 03 52 00.2 +0.5	
NACGM	comp=Z,202nm,0.9s	73.40 320	eP Pmax 03 52 00.2 +0.5	
NACGM	Karabay Array	73.40 320	eP Pmax 03 52 00.2 +0.5	
NACGM	comp=Z,202nm,0.9s	73.40 320	eP Pmax 03 52 00.2 +0.5	
NACGM	Karabay Array	73.40 320	eP Pmax 03 52 00.2 +0.5	
NACGM	comp=Z,202nm,0.9s	73.53 247	P P 03 52 00.7 0.0	
NACGM	SWI Sorong	73.53 247	P P 03 52 01.0 +0.6	
NACGM	IOMK Kirk Michael	73.55 11	eP IAMB 03 52 02.8	
NACGM	IOMK	comp=Z,216nm,0.9s	IAMS_20 IAMS_20	04 22 24.4
NACGM	IOMK	comp=Z,3um,19.2s	73.61 351	eP P 03 52 02.0 +1.3
NACGM	MICGM Minsk	73.61 351	eP P 03 52 02.0 +1.3	
NACGM	MICGM	PM	03 52 03.0	
NACGM	MICGM	comp=Z,1.3nm,1.0s	03 52 04.0	
NACGM	comp=N,0.6nm,1.5s	eLR LR	04 17 18.0	
NACGM	MINK Minsk	73.61 351	eP Pmax 03 52 02.0 +1.3	
NACGM	MINK	comp=Z,1um,1.0s	Pmax Pmax	
NACGM	MINK	comp=N,570nm,1.5s	73.65 11	eP P 03 52 02.0 +1.1
NACGM	WIM Isle of Man	73.73 14	eP P 03 52 03.0 +1.6	
NACGM	IJGLA Gibrongwila, Co	73.73 14	eP P 03 52 02.5 +0.6	
NACGM	DIBR DIBRUGARRH	73.75 294	eP P 03 52 03.2 +1.5	
NACGM	GDLE Glaisdale, N Y	73.78 8	eP IAMB 03 52 04.3	
NACGM	GDLE	comp=Z,189nm,0.9s	73.85 317	eP P 03 52 03.4 +0.8
NACGM	ARSB Arslanbob	73.85 317	eP P 03 52 03.4 +0.8	
NACGM	ARSB	comp=Z,138nm,0.9s	73.95 319	ePP PP 03 54 39.2 -7.5
NACGM	JBG Jabagly	73.95 319	eP Pmax 03 52 04.1 +1.0	
NACGM	JBG	comp=Z,219nm,1.9s	73.97 344	eP P 03 52 03.0 +0.2
NACGM	LPSR Galich'ya Gora	73.97 344	eP Pmax 04 01 32.1 -2.3	
NACGM	LPSR	comp=Z,170nm,1.0s	74.01 89	eP P 03 52 03.0 -0.7
NACGM	LPSR	comp=E,550nm,3.4s	74.03 314	P P 03 52 07.3 +3.7
NACGM	LPSR	comp=Z,2um,18.0s	74.03 314	P P 03 54 55.8 +7.6
NACGM	LPSR	comp=Z,54nm,1.2s	04 01 40.3 +4.4	
NACGM	KSH Kashi	74.03 314	P P 04 02 11.6 +0.6	
NACGM	KSH	comp=Z,220nm,1.1s	04 02 17.6 +4.0	
NACGM	KSH	comp=Z,1um,7.1s	pmx pmx	
NACGM	KSH	comp=Z,1um,15.4s	LR LR	
NACGM	KSH	comp=Z,1um,14.3s	LR LR	
NACGM	KSH	comp=Z,2um,15.9s	LR LR	
NACGM	KLNR Kaliningrad	74.06 356	dEP Pmax 03 52 03.9 +0.6	
NACGM	KLNR	comp=Z,421nm,1.1s	74.16 298	eP P 03 52 06.2 +1.3
NACGM	LSA Lhasa	74.16 298	eP P 03 52 06.2 +1.3	
NACGM	LSA	comp=Z,93nm,0.9s	74.16 9	eP P 03 52 05.0 +1.1
NACGM	HPK Haverah Park	74.16 9	eP IAMB 03 52 06.9	
NACGM	HPK	comp=Z,282nm,1.1s	74.28 360	eP P 03 52 06.6 +2.0
NACGM	HPK	comp=Z,293nm,1.0s	LR LR	
NACGM	RGN Rugen	74.28 360	eP P 03 52 06.6 +2.0	
NACGM	RGN	comp=Z,900nm,20.0s	74.31 294	eP P 03 52 04.8 -0.7
NACGM	ZIRO ZIRO	74.31 294	eP P 03 52 05.7 +0.9	
NACGM	DSB Dublin	74.32 12	eP P 03 54 46.0 -4.0	
NACGM	DSB	comp=Z,108nm,1.1s	74.39 320	eP Pmax 03 52 05.9 +0.3
NACGM	DSB	comp=Z,2um,20.0s	74.39 320	eP P 03 52 05.9 +0.3
NACGM	IUG Iuzhnay	74.39 320	eP Pmax 03 52 05.9 +0.3	
NACGM	IUG	comp=Z,29nm,1.2s	74.43 11	eP P 03 52 06.3 +0.8
NACGM	IUG	comp=Z,29nm,1.2s	74.47 251	P P 03 52 04.4 -1.9
NACGM	WME Myndd Eilian	74.43 11	eP P 03 52 06.3 +0.8	
NACGM	TNTI Ternate	74.47 251	P P 03 52 04.4 -1.9	

SUW	Suwalki	74.48 354	eP P 03 52 06.0 +0.3	
SUW	comp=Z,2um,29.0s	eS S	04 01 42.2 +2.1	
SUW	Suwalki	74.48 354	eP P 03 52 06.2 +0.4	
SUW	comp=Z,686nm,1.0s	LR LR		
SUW	comp=Z,1um,21.0s	74.48 354	eP Pmax 03 52 06.2 +0.4	
SUW	comp=Z,686nm,1.0s	MLR MLR		
SUW	comp=Z,1um,21.0s	74.52 11	eP IAMB 03 52 06.1 0.0	
SUW	Llynfaes	74.52 11	eP IAMB 03 52 08.4	
SUW	comp=Z,202nm,1.1s	IAMS_20 IAMS_20	04 23 15.7	
SUW	comp=Z,3um,23.1s	74.54 11	eP P 03 52 07.6 +1.5	
SUW	Rhoscolyn	74.64 245	eP P 03 52 07.5 +0.2	
SUW	Fak Fak	74.64 245	eP P 03 52 07.5 +0.2	
SUW	comp=Z,217nm,1.2s	LR LR		
SUW	comp=Z,800nm,18.0s	74.68 294	eP P 03 52 06.7 -0.8	
SUW	JORH Lanberis	74.69 11	eP P 03 52 07.8 +0.8	
SUW	LBWR Ladybower, Pea	74.70 9	eP P 03 52 08.2 +1.1	
SUW	LBWR	comp=Z,223nm,0.9s	IAMB IAMB	03 52 09.8
SUW	LMK Market Rasen	74.78 8	eP IAMB 03 52 08.2 +0.7	
SUW	LMK	comp=Z,257nm,1.0s	74.81 343	eP Pmax 03 52 06.0 -1.7
SUW	VORR Voronezh	74.81 343	eP Pmax 03 52 06.0 -1.7	
SUW	VORR	comp=Z,400nm,1.2s	74.85 293	eP P 03 52 09.4 +0.8
SUW	MOKO MOKOCHONG	74.85 293	eP P 03 52 10.1 +1.6	
SUW	STNC Stnck	74.96 9	eP IAMB 03 52 11.6	
SUW	STNC	comp=Z,340		

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Grand Turk, Payao, JTS, KKM, AKASG, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Dobruska-Polom, Ojcow, JIRN, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TREC, ROSF, LANS, etc.

30 3h

Table with columns: Code, Name, Time, Distance, Wind, Direction, Status, Altitude, etc. Includes entries like POLO Lamas de Olo, PSMN Santa Maria, IVY Berane, etc.

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Table with columns: Code, Name, Time, Distance, Wind, Direction, Status, Altitude, etc. Includes entries like ALN comp=Z,2700nm,22.0s, PCBR Castelo Branco, etc.

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Table with columns: Code, Name, Time, Distance, Wind, Direction, Status, Altitude, etc. Includes entries like AKSY AKSARAY - Alt, PRAC Prado, etc.

3d 6h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like OKER, OKAK, MREP, UNV, MSW, AKUT, WESP, etc.

IDC 03 05:41:17.4:3.2, 1.14N, 126.64E, h0km, mb4.2/3, mb1.4/3.3, mb1mx3.723, mbtm4.2/3, Error ellipse: s-maj=400.2km s-min=26.5km az=65.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TNTI, LBMI, SANI, ASAR, STKA, MKAR.

SJA 03 06:05:09.9:0.7, 33.73S, 67.57W, h207km, 50km, ML3.4, MW3.5, Mendoza Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like APLL, AGUA, ACLC, VCA, MKAR.

KRAR 03 06:05:42.5:0.1, 53.59N, 87.91E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22ap + CD-ROM, 2014)

NNC 03 06:05:45.9:3.6, 53.74N, 88.10E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=31.8km s-min=20.2km az=42.0, Suspected Mining explosion.

IDC 03 06:05:47.8:2.8, 53.63N, 87.96E, h0km, mb1.3/5/2, mb1mx3.2/3, mbtm3.5/2, ML3.0/2, 5C-2D, Error ellipse: s-maj=24.1km s-min=15.4km az=55.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H46RU, ZAAO, ZALV, KURBB, MK31, MKAR, MKAR.

ISCJB 03 06:14:30.7:0.3, 23.66N, 0.02:122.48E:0.01, h21km, 2km, Error ellipse: s-maj=2.7km s-min=1.9km az=149.6

JMA 03 06:14:30.8:0.1, 23.64N, 122.48E, h26km, M2.8

TAP 03 06:14:32.0, 23.69N, 122.48E, h39km, ML3.5, C

ISC 03 06:14:29.1:1.1, 23.64N, 0.02:122.46E:0.02, h13km, 9km, n107, c081/192, 1D, Taiwan region

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

2013 JUL

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TWD, JYNG, JYNG, EGFG, EGFG, EGFG, etc.

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

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like PTTC, PMTZ, MATB, etc.

ISCJB 03 06:29:38.5 0.0, 51.55N, 0.02, 166.84W, 0.02, h1 1km, 5km, mB4.7/12, MS3.6/10, Error ellipse: s-maj=3.6km s-min=2.5km az=23.5

Fox Islands

Table listing Fox Islands stations with columns: Code, Station Name, Azimuth, Phase, Time, and other technical details.

Main table of station data for July 2013, including call signs like EPYK, PE0A, PE0B, etc., and their respective frequencies and modes.

Table listing Wake Island stations and other stations with columns: Call Sign, Frequency, Mode, Power, and other technical details.

E38A	The Farm, Brul	47.63	65	P	P	06 38 15.3	-1.2
SPMN	Marine on St.	47.73	67	P	P	06 38 16.0	-1.2
F38A	Pierce - Schro	47.83	65	P	P	06 38 17.5	-0.5
C40A	Isle Royale Na	48.22	62	P	P	06 38 20.0	-1.0
F39A	Loretta	48.40	65	P	P	06 38 21.0	-1.5
MNTX	Cornudas Mount	48.61	89	P	P	06 38 24.6	+0.4
G39A	Holcombe	48.62	66	P	P	06 38 22.9	-1.3
MSTX	Muleshoe	48.71	85	P	P	06 38 24.8	-0.3
AMTX	Amarillo	48.79	83	P	P	06 38 25.4	-0.2
F40A	Park Falls	48.84	65	P	P	06 38 24.7	-1.2
D41A	Chassel	49.04	62	P	P	06 38 26.4	+0.9
G40A	Rib Lake	49.18	65	P	P	06 38 27.3	-1.1
KSU1	Kansas State U	49.19	76	P	P	06 38 27.3	-1.3
SCIA	State Center	49.47	71	P	P	06 38 29.7	-1.0
KBS	Kingsbay	49.77	0	eP	P	06 38 35.3	+2.8
KBS	Kingsbay	49.77	0	eP	P	06 38 35.3	+2.8
F42A	Maple Grove Fa	50.05	64	P	P	06 38 34.3	-0.8
I41A	Arkdale	50.10	66	P	P	06 38 34.3	-1.2
E43A	Lone Tree Farm	50.32	62	P	P	06 38 36.2	-0.9
L40A	Anamosa	50.55	69	P	P	06 38 37.3	-1.6
JFWS	Jewell Farm	50.59	68	P	P	06 38 37.4	-1.8
WMOK	Wichita Mounta	50.68	81	P	P	06 38 39.6	-0.4
I42A	Dragger Farm	50.75	66	P	P	06 38 39.2	-1.2
E44A	Grand Marais A	50.76	62	P	P	06 38 39.8	-0.6
H43A	Windswept, Lux	51.04	65	P	P	06 38 41.4	-1.2
N40A	Mertquake, Sal	51.07	71	P	P	06 38 41.1	-1.7
SUMG	Summit	51.12	18	eP	P	06 38 44.9	+1.7
SUMG	Summit	51.12	18	eP	P	06 38 44.9	+1.7
SUMG	Summit	51.12	18	eP	P	06 38 44.9	+1.7
SUMG	Summit	51.12	18	eP	P	06 38 44.9	+1.7
TXAR	Lajitas Array	51.30	90	P	P	06 38 44.9	0.0
TXAR	Lajitas Array	51.30	90	P	P	06 38 44.9	0.0
IRK	Irkutsk	51.33	308	eP	P	06 38 44.6	-0.1
IRK	Irkutsk	51.33	308	eP	P	06 38 44.6	-0.1
M41A	Milan	51.37	69	P	P	06 38 43.4	-1.7
L42A	Oliver, Polo	51.49	68	P	P	06 38 44.0	-1.9
ABTX	Ablene, Hawle	51.55	84	P	P	06 38 46.0	-0.6
F45A	CMU Biological	51.56	62	P	P	06 38 45.2	-1.2
N41A	Harden Midland	51.61	70	P	P	06 38 45.5	-1.3
D46A	Sault St. Mari	51.62	60	P	P	06 38 45.9	-1.0
TUL1	Leonard	51.74	78	P	P	06 38 46.8	-1.1
E46A	Sault Ste Mari	51.80	61	P	P	06 38 47.4	-0.8
K43A	Burlington	51.82	67	P	P	06 38 46.6	-1.8
G45A	Suttons Bay	51.88	63	P	P	06 38 47.5	-1.3
H45A	Beulah	51.92	64	P	P	06 38 47.7	-1.4
TLY	Talaya	51.98	308	eP	P	06 38 50.5	+0.9
TLY	Talaya	51.98	308	eP	P	06 38 50.5	+0.9
TLY	Talaya	51.98	308	eP	P	06 38 50.5	+0.9
D47A	Chapleau	52.03	60	P	P	06 38 48.7	-1.2
G46A	Petoskey	52.14	62	P	P	06 38 49.6	-1.2
I45A	Fountain	52.18	64	P	P	06 38 49.7	-1.3
M43A	Waltham Townsh	52.26	68	P	P	06 38 49.8	-1.7
E47A	Iron Bridge	52.30	60	P	P	06 38 50.9	-1.1
L44A	Lake County Fo	52.39	67	P	P	06 38 51.0	-1.7
H46A	Fife Lake	52.44	63	P	P	06 38 51.4	-1.6
N43A	Stutzman Famil	52.45	69	P	P	06 38 51.4	-1.7
J45A	Montague	52.47	65	P	P	06 38 51.8	-1.4
GLMI	Gravling	52.59	63	P	P	06 38 52.8	-1.3
ULN	Ulanbaatar	52.59	302	eP	P	06 38 55.1	+0.8
ULN	Ulanbaatar	52.59	302	eP	P	06 38 55.1	+0.8
HDIL	Hopedale	52.62	70	P	P	06 38 53.1	-1.3
D48A	Paudash Townsh	52.65	59	P	P	06 38 53.3	-1.2
I46A	Reed City	52.68	64	P	P	06 38 53.5	-1.3
G47A	Hillman	52.79	62	P	P	06 38 54.0	-1.5
M44A	Midewin, Midew	52.82	68	P	P	06 38 54.0	-1.9
D49A	Beulah Townshi	52.83	58	P	P	06 38 54.6	-1.3
E48A	Looney	52.89	60	P	P	06 38 55.3	-1.1
JCT	Junction City	52.92	86	eP	P	06 38 55.3	-0.5
JCT	Junction City	52.92	86	eP	P	06 38 55.3	-0.5
J46A	Howard City	52.94	65	P	P	06 38 55.3	-1.4
H47A	Mio	52.96	63	P	P	06 38 55.4	-1.4
SOMN	Songino Array	52.96	303	eP	P	06 38 55.5	-0.3
SOMN	Songino Array	52.96	303	eP	P	06 38 55.5	-0.3
ZAK	Zakamenski	52.97	307	eP	P	06 38 57.2	+0.2
ZAK	Zakamenski	52.97	307	eP	P	06 38 57.2	+0.2
ZAK	Zakamenski	52.97	307	eP	P	06 38 57.2	+0.2
ZAK	Zakamenski	52.97	307	eP	P	06 38 57.2	+0.2
F48A	Evansville	53.05	61	P	P	06 38 56.5	-1.0
P43A	Skaggs, Pawnee	53.08	71	P	P	06 38 56.3	-1.5
CCM	Cathedral Cave	53.09	73	eP	P	06 38 55.7	-2.2
CCM	Cathedral Cave	53.09	73	eP	P	06 38 55.7	-2.2
CCM	Cathedral Cave	53.09	73	eP	P	06 38 55.7	-2.2
CCM	Cathedral Cave	53.09	73	eP	P	06 38 55.7	-2.2
I47A	Gladwin	53.16	63	P	P	06 38 57.1	-1.2
M40A	Malagami	53.20	54	P	P	06 38 57.1	-1.4
U40A	Yellville	53.26	76	P	P	06 38 56.9	-2.1

M45A	Boilermakers S	53.28	67	P	P	06 38 57.4	-1.8
K46A	Dorr	53.29	65	P	P	06 38 57.4	-1.8
MOY	Moody	53.29	309	eP	P	06 39 00.6	+1.3
MOY	Moody	53.29	309	eP	P	06 39 00.6	+1.3
WHTX	Lake Whitney,	53.34	83	P	P	06 38 59.5	-0.3
O44A	Mastfield	53.37	69	P	P	06 38 58.3	-1.6
H48A	Harrisville	53.38	62	P	P	06 38 59.0	-1.0
F49A	Sandhill	53.41	60	P	P	06 38 59.2	-1.0
L46A	Eue Claire	53.42	66	P	P	06 38 58.6	-1.7
W39A	Magazine	53.44	78	P	P	06 38 59.1	-1.3
N45A	Kentland	53.47	68	P	P	06 38 59.1	-1.6
J47A	Summer	53.48	64	P	P	06 38 59.4	-1.3
E50A	Wahnapiite	53.69	59	P	P	06 39 00.9	-1.3
O45A	Potomac	53.74	69	P	P	06 39 01.4	-1.3
K47A	Verontville	53.74	65	P	P	06 39 01.1	-1.5
N46A	Monticello	53.89	68	P	P	06 39 02.0	-1.7
LSQQ	Lehigh-Quev	53.98	54	P	P	06 39 02.3	-2.0
MIAR	Mount Ida	54.00	78	P	P	06 39 03.7	-0.9
SFIN	Lafayette	54.02	68	P	P	06 39 03.5	-1.1
J48A	Bridge Port	54.02	64	P	P	06 39 07.0	+2.4
TOBO	Tobermory, Bru	54.03	61	P	P	06 39 03.9	-0.8
L47A	Sherwood	54.07	66	P	P	06 39 03.5	-1.6
435B	Jarrell	54.09	84	P	P	06 39 04.8	-0.5
I49A	Point Hope	54.14	62	P	P	06 39 03.8	-1.8
K48A	Perry	54.15	64	P	P	06 39 04.3	-1.4
P45A	Greeland, Par	54.20	70	P	P	06 39 04.1	-1.8
M47A	Cromwell	54.23	67	P	P	06 39 04.6	-1.7
E51A	G1948 Merrick	54.28	58	P	P	06 39 05.4	-1.2
J49A	Marlette	54.34	63	P	P	06 39 05.4	-1.6
Q45A	Warren Harvey,	54.37	70	P	P	06 39 05.8	-1.5
W41B	Gary Marvey,	54.39	76	P	P	06 39 05.6	-1.8
F51A	Arnstein	54.45	59	P	P	06 39 06.6	-1.2
P46A	Rosdale	54.45	69	P	P	06 39 06.3	-1.5
X40A	Basin Creek Fa	54.49	78	P	P	06 39 06.8	-1.4
N47A	Urbana	54.50	67	P	P	06 39 06.0	-2.1
S44A	Carbondale	54.51	72	P	P	06 39 06.2	-2.1
L48A	N Adams	54.53	65	P	P	06 39 06.9	-1.5
K49A	Clarkson	54.54	64	P	P	06 39 06.9	-1.5
HHC	Hu-ho-hao-te	54.57	293	eP	P	06 39 07.3	-1.5
HHC	Hu-ho-hao-te	54.57	293	eP	P	06 39 07.3	-1.5
HHC	Hu-ho-hao-te	54.57	293	eP	P	06 39 07.3	-1.5
D52A	ZEK Kipawa Sen	54.57	57	P	P	06 39 07.5	-1.1
BMRO	Merriville Lake	54.60	61	P	P	06 39 08.2	-0.7
O47A	Sheridan	54.65	68	P	P	06 39 06.9	-2.4
KLBO	Killbear Provi	54.66	60	P	P	06 39 08.4	-0.8
M48A	Edgerton	54.67	66	P	P	06 39 07.5	-1.9
833A	Chararrl WMA,	54.68	88	P	P	06 39 09.1	-0.5
R45A	Skylar, Fairfi	54.69	71	P	P	06 39 07.8	-1.8
BRCO	Bruce Peninsul	54.71	61	P	P	06 39 08.7	-0.9
BASO	Ashfield	54.73	62	P	P	06 39 09.2	-0.7
AAM	Ann Arbor	54.74	64	P	P	06 39 08.3	-1.5
CHGQ	Chibougamau	54.74	52	P	P	06 39 07.9	-1.9
L49A	Milan	54.80	65	P	P	06 39 08.9	-1.4
F52A	Sundridge	54.85	59	P	P	06 39 09.6	-1.0
D53A	Lac Vacive, Po	54.88	57	P	P	06 39 09.8	-1.0
E52A	Matamoras	54.89	58	P	P	06 39 09.8	-1.1
N48A	Decatur	54.90	67	P	P	06 39 08.7	-2.3
BWLO	Walkerton	54.96	61	P	P	06 39 10.8	-0.7
SCHO	Schefferville	55.02	44	P	P	06 39 11.3	-0.4
BUKO	Buck Lake	55.04	59	P	P	06 39 11.0	-1.1
P47A	Martinsville	55.08	69	P	P	06 39 10.4	-2.0
M49A	Liberty Center	55.09	65	P	P	06 39 11.0	-1.5
R46A	Gibson Southern	55.20	71	P	P	06 39 11.6	-1.7
O48A	Farmland	55.22	67	P	P	06 39 10.9	-2.5
I51A	Listowel	55.22	62	P	P	06 39 12.8	-0.6
NATX	Nacogdoches	55.23	81	P	P	06 39 13.1	-0.5
H52A	Wyeville	55.30	60	P	P	06 39 12.7	-1.2
N49A	Columbus Grove	55.34	66	P	P	06 39 12.4	-1.9
E53A	Dumoine, Ponti	55.35	57	P	P	06 39 13.4	-0.9
Q47A	Bedord North L	55.35	69	P	P	06 39 12.6	-1.8
D54A	Lac Fusel, La	55.37	56	P	P	06 39 12.5	-1.9
L50A	Kingsville	55.38	64	P	P	06 39 12.8	-1.8
ALGO	Algonquin Park	55.42	58	P	P	06 39 13.9	-0.8
S46A	Dot Dixon Farm	55.43	71	P	P	06 39 13.1	-1.8
I52A	Shelburne	55.51	61	P	P	06 39 14.4	-1.1
E54A	Lac Daplat, Po	55.56	57	P	P	06 39 14.6	-1.2
P48A	Milroy	55.59	68	P	P	06 39 13.8	-2.3
X43A	Marvell	55.66	76	P	P	06 39 15.3	-1.3
G53A	Haliburton	55.66	59	P	P	06 39 15.7	-0.9
K51A	Iona Station	55.66	63	P	P	06 39 15.2	-1.4
PLIO	Pelee Island,	55.68	64	P	P	06 39 14.8	-1.8
R47A	Wooly Knot Far	55.72	70	P	P	06 39 15.2	-1.9
O49A	Covington	55.74	67	P	P	06 39 15.1	-2.0
T46A	Princeton	55.75	72	P	P	06 39 15.7	-1.5
Q48A	North Vernon	55.76	69	P	P	06 39 15.5	-1.8

ACTO	Acton	55.88	61	P	P</
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054A	Avella	baz=313	57.99	64	P	P	06 39 31.6	-1.5	Y52A	Libburn	comp=Z,8.2nm,0.8s	60.20	72	P	P	06 39 46.6	-2.0	Y58A	Scranton	baz=316	62.76	69	P	P	06 40 04.7	-1.1
X48A	Hartselle	baz=313,SNR=7.5	58.02	74	P	P	06 39 31.1	-2.2	X53A	Estanoolie	60.21	71	P	P	06 39 46.5	-2.0	V60A	Jim Taylor Roa	baz=316	62.83	66	P	P	06 40 05.3	-0.9	
M55A	Ridgway	baz=314	58.02	62	P	P	06 39 32.1	-1.2	O59A	Robeson	60.23	62	P	P	06 39 47.6	-1.1	157A	Early Branch	baz=316	62.85	71	P	P	06 40 05.4	-1.0	
W49A	Belvidere	baz=313,SNR=11	58.02	73	P	P	06 39 31.6	-1.8	BRAL	Brewton	60.30	76	P	P	06 39 47.7	-1.5	U61A	Possum Corner	baz=316	62.89	65	P	P	06 40 05.5	-1.1	
T51A	Gray	baz=314,SNR=7.2	58.13	69	P	P	06 39 32.2	-2.0	R57A	Standardsville	60.33	65	P	P	06 39 48.3	-1.0	455A	Stateville	63.03	74	P	P	06 40 05.8	-1.9		
L0NY	Lake Ozonia	baz=313,SNR=6.5	58.14	57	P	P	06 39 32.8	-1.3	T56A	Rocky Mt	60.35	67	P	P	06 39 48.1	-1.5	NHSC	New Hope	63.03	70	P	P	06 40 06.6	-1.0		
Q53A	Leroy	baz=313,SNR=7.5	58.24	66	P	P	06 39 33.4	-1.5	Q58A	Fox Den Farm,	60.36	64	P	P	06 39 48.4	-1.1	Z58A	St. Stephen	baz=316	63.08	70	P	P	06 40 07.0	-0.9	
Y48A	Jasper	baz=313	58.31	74	P	P	06 39 33.3	-2.1	151A	Opelika	60.38	74	P	P	06 39 47.0	-2.8	456A	Hilliard	baz=316	63.64	73	P	P	06 40 10.2	-1.5	
P54A	Burton	baz=314	58.33	65	P	P	06 39 34.0	-1.6	PKME	Peaks-Kenny Pk	60.41	54	P	P	06 39 48.2	-1.5	556A	Lake Butler	63.93	74	P	P	06 40 12.3	-1.3		
M56A	Emporium	baz=313,SNR=6.8	58.33	62	P	P	06 39 34.4	-1.1	N60A	Cedar Hill Far	60.44	61	P	P	06 39 49.2	-0.9	KURK	Kurchatov	comp=Z,1.4nm,0.8s	63.94	320	eP	P	06 40 14.0	+0.6	
V50A	Pikeville	baz=314	58.34	71	P	P	06 39 33.8	-1.8	W54A	Cherokee Point	60.46	70	P	P	06 39 48.7	-1.6	KURK	Kurchatov	comp=Z,1.1nm,0.7s	64.19	343	eP	P	06 40 13.5	-1.3	
R53A	Hurricane	baz=313	58.35	67	P	P	06 39 34.3	-1.4	S57A	Dark Hollow, R	60.46	66	P	P	06 39 49.0	-1.2	PRGR	Permogore	PRGR	64.19	343	eP	P	06 40 48.8		
N55A	Marion Center	baz=313,SNR=6.2	58.36	63	P	P	06 39 34.0	-1.8	Z52A	Williamson	60.46	73	P	P	06 39 47.8	-2.5	557A	Orange Park	baz=316	64.33	74	P	P	06 40 14.7	-1.5	
X49A	Woodville	baz=314,SNR=10	58.40	73	P	P	06 39 34.0	-2.1	449A	Pac	60.49	77	P	P	06 39 48.8	-1.7	SVE	Sverdllovsk	65.07	333	eP	P	06 40 22.7	+2.0		
U51A	La Follette	58.49	70	P	P	06 39 34.8	-1.9	V55A	Taylorville	60.49	69	P	P	06 39 48.8	-1.7	WMQ	Urumqi	65.17	310	eP	P	06 40 23.1	+1.5			
147A	Livingston	58.51	76	P	P	06 39 35.4	-1.4	Y53A	Monroe	60.49	72	P	P	06 39 48.1	-2.4	WMQ	Urumqi	comp=Z,12nm,1.1s	65.17	310	eP	P	06 40 23.1	+1.5		
W50A	Signal Mountai	58.53	72	P	P	06 39 35.0	-2.0	530A	Dozier	60.55	76	P	P	06 39 49.3	-1.6	BRVK	Borovoye	comp=Z,8.8nm,4.7s	65.20	326	eP	P	06 40 23.1	+1.5		
Q54A	Coxs Mills	baz=313,SNR=7.4	58.55	66	P	P	06 39 35.4	-1.6	P59A	Jarrettsville	60.59	62	P	P	06 39 49.8	-1.3	BRVK	Borovoye	comp=Z,1.7nm,1.0s	65.20	326	dIP	P	06 40 22.7	+1.1	
O52A	Ligonier	baz=313	58.58	64	P	P	06 39 35.5	-1.8	R58A	Rapidan	60.62	65	P	P	06 39 50.4	-1.0	BRVK	Borovoye	comp=Z,2.0nm,1.2s	65.41	315	P	P	06 40 23.0	-0.1	
T52A	Halle	baz=314	58.59	69	P	P	06 39 36.1	-1.3	U56A	King	60.62	68	P	P	06 39 50.1	-1.3	MKAR	Makanchi Array	comp=Z,4.9nm,0.7s,ba	65.41	315	P	P	06 40 23.9	0.0	
MCWV	Mont Chateau	baz=313,SNR=6.5	58.65	65	P	P	06 39 36.2	-1.5	251A	Midway	60.64	74	P	P	06 39 49.4	-2.1	MAKZ	Makanchi	comp=Z,1.1nm,1.1s	65.41	315	eP	P	06 40 23.9	0.0	
TZTN	Tazewell	baz=314	58.65	70	P	P	06 39 36.3	-1.5	152A	Waverly Hall	60.65	74	P	P	06 39 48.9	-2.7	MAKZ	Makanchi	comp=Z,1.1nm,1.1s	65.41	315	eP	P	06 40 23.9	0.0	
N56A	West Decatur	baz=313,SNR=10	58.65	63	P	P	06 39 36.6	-1.2	O60A	Telford	60.66	61	P	P	06 39 50.4	-1.2	MAKZ	Makanchi	comp=Z,1.1nm,1.1s	65.41	315	eP	P	06 40 23.9	0.0	
V51A	Loudon	58.69	71	P	P	06 39 35.8	-2.3	X54A	Belton	60.72	70	P	P	06 39 50.5	-1.6	DWPF	Disney Wildern	baz=317	65.89	75	P	P	06 40 25.2	-1.2		
P55A	Reedsville	58.76	65	P	P	06 39 36.9	-1.7	XAN	Xtan	60.73	289	P	P	06 39 52.0	-0.2	ARU	Arti	comp=Z,2.2nm,0.9s	65.99	334	dIP	P	06 40 27.6	+1.0		
Y49A	Blount Mountai	baz=314	58.80	74	P	P	06 39 36.7	-2.2	XAN	Xtan	60.73	289	P	P	06 40 00.7	+2.6	ARU	Arti	comp=Z,2.2nm,0.9s	65.99	334	dIP	P	06 49 15.3	+0.7	
X50B	Fort Payne	baz=314,SNR=12	58.84	73	P	P	06 39 37.2	-2.0	T57A	Hur	comp=Z,7.0nm,1.4s	60.82	66	P	P	06 39 51.3	-1.4	CD2	Chengdu	CD2	66.00	290	P	P	06 40 25.3	-1.9
U52A	Thorn Hill	baz=314	58.86	70	P	P	06 39 37.7	-1.6	M61A	Granite Spring	60.85	59	P	P	06 39 51.7	-1.1	859A	Kemper Cattle	baz=317	66.25	74	P	P	06 40 27.2	-1.4	
ARAO	ARCESS Array S	58.87	355	eP	P	06 39 38.8	0.0	GOGA	Godfrey	60.87	72	eP	P	06 39 51.1	-2.0	FIA1	FINESS Array B	66.86	353	eP	P	06 40 33.0	+1.0			
ARCES	ARCESS Array B	58.87	355	eP	P	06 39 38.8	0.0	GOGA	Godfrey	comp=Z,1.1nm,0.8s	60.87	72	eP	P	06 39 51.1	-2.0	FINES	FINESS Array B	comp=Z,1.4nm,0.9s	66.86	353	P	P	06 40 32.7	+0.6	
W51A	Cleveland	comp=Z,6.5nm,0.7s,ba	58.89	71	P	P	06 39 37.5	-1.9	GOGA	Godfrey	comp=Z,1.1nm,0.8s	60.87	72	eP	P	06 39 51.1	-2.0	NB2	NORSAR Subarra	67.74	1	P	P	06 40 38.4	+0.7	
T53A	Wise	baz=314	58.94	69	P	P	06 39 38.6	-1.3	GOGA	Godfrey	comp=Z,1.1nm,0.8s	60.87	72	eP	P	06 39 51.1	-2.0	NOA	NORSAR Array B	67.74	1	P	P	06 40 38.5	+0.7	
148A	Greensboro	58.95	75	P	P	06 39 37.8	-2.1	P60A	Greenville	60.89	62	P	P	06 39 51.9	-1.2	NOA	NORSAR Array B	comp=Z,3.2nm,0.7s,ba	67.74	1	P	P	07 11 41.3			
O56A	Blue Knob Stat	58.95	63	P	P	06 39 38.4	-1.5	Z53A	Monticello	60.90	72	P	P	06 39 50.9	-2.4	OTUK	Ortayu	comp=Z,1.8nm,19.6s,ba	68.38	322	iP	P	06 40 42.6	+0.6		
Q55A	Buckhannon	baz=314,SNR=6.5	58.97	65	P	P	06 39 38.6	-1.4	KM5C	Kings Mountain	60.92	69	P	P	06 39 51.6	-1.8	OTUK	Ortayu	comp=Z,1.6nm,0.8s	68.38	322	iP	P	06 40 42.6	+0.6	
ZAA1	Zalesovo Array	58.99	319	eP	P	06 39 39.3	+0.6	R56B	Mineral	60.93	65	P	P	06 39 52.6	-0.8	PDGK	Podgornoye	69.35	314	iP	P	06 40 48.8	+0.6			
ZAA1	Zalesovo Array	58.99	319	eP	P	06 39 39.3	+0.6	R56B	Mineral	60.93	65	P	P	06 39 52.6	-0.8	PDGK	Podgornoye	comp=Z,1.2nm,0.7s	69.35	314	iP	P	06 40 48.8	+0.6		
ZALV	Zalesovo Beam	comp=Z,2.5nm,0.7s,ba	58.99	319	eP	P	06 39 39.3	+0.6	PAL	Palisades	60.99	60	P	P	06 39 52.0	-1.8	VSU	Vasula	comp=Z,5.9nm,1.0s	69.35	314	iP	P	06 40 51.3	+1.0	
ZALV	Zalesovo Beam	comp=Z,2.5nm,0.7s,ba	58.99	319	eP	P	06 39 39.3	+0.6	HODGE	Hodges	61.01	71	eP	P	06 39 52.5	-1.6	VSU	Vasula	comp=Z,5.9nm,1.0s	69.35	314	iP	P	06 40 51.3	+1.0	
R54A	Victor	baz=314,SNR=6.9	59.01	67	P	P	06 39 39.0	-1.3	Y54A	Tignall	61.02	71	P	P	06 39 51.9	-2.2	PPT	Papeete	comp=Z,2.3nm,21.3s,ba	70.51	162	LR	LR	07 06 49.7		
LRAL	Lakeview Retre	baz=314	59.02	75	P	P	06 39 38.1	-2.3	CBN	Corbin Frederi	61.04	64	P	P	06 39 52.8	-1.3	KMI	Kunming	70.88	286	P	P	06 40 58.6	+0.6		
BINY	Binghamton	59.04	60	P	P	06 39 39.8	-0.7	S58A	Poland Farmer, P	61.08	65	P	P	06 39 53.1	-1.3	TKM2	Tokmak 2	71.38	317	iP	P	06 41 00.5	-0.2			
SSPA	Standing Stone	comp=Z,2.5nm,0.9s	59.07	63	eP	P	06 39 39.6	-1.1	252A	Lumpkin	61.11	74	P	P	06 39 52.4	-2.3	TKM2	Tokmak 2	comp=Z,8.0nm,0.7s	71.38	317	iP	P	06 41 00.5	-0.2	
SSPA	Standing Stone	comp=Z,2.5nm,0.9s	59.07	63	eP	P	06 39 39.6	-1.1	U57A	Blanch	61.17	67	P	P	06 39 53.8	-1.3	TKM2	Tokmak 2	SNR=12	71.38	317	P	P	06 41 01.8	+1.0	
S54A	Dingess, Beckl	baz=314	59.09	67	P	P	06 39 39.3	-1.5	HRV	Adam Dzievonsk	61.19	57	P	P	06 39 53.9	-1.2	USP	Ospenovka	SNR=9	71.57	317	P	P	06 41 02.9	+1.2	
V52A	Sevierville	baz=314	59.10	70	P	P	06 39 39.3	-1.7	R59A	Kim George, V	61.19	64	P	P	06 39 54.0	-1.2	ULHL	Ulahol	SNR=7.0	71.57	316	P	P	06 41 03.4	+1.0	
N57A	Milroy	baz=314,SNR=7.3	59.18	62	P	P	06 39 40.4	-1.0	153A	Fort Valley	61.19	73	P	P	06 39 52.6	-2.7	CHMS	Chumysh	SNR=6.5	71.68	317	P	P	06 41 03.7	+1.3	
Y50A	Piedmont	59.19	73	P	P	06 39 39.6	-2.0	X55A	Gracelyn & Ava	61.21	70	P	P	06 39 53.5	-1.9	AB31	Akbulak array	71.88	330	iP	P	06 41 04.0	+0.7			
Z49A	Columbiana	baz=314,SNR=7.3	59.19	74	P	P																				

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAKANI, PRUHONICE, KALWARIA PACLA, etc.

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YOTOCO VALLE, RUSC LA RUSIA, SONSCA ARRAY, etc.

MAN 03 06:34:43.5, 18.98N-121.30E, h14km, mb4.5, ML3.3, MS3.1, Luzon

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

ISC/JB 07:04:15.8±0.2, 36.51N±0.10; 170.45E±0.02, h199km±2km, mb4.9/230, Error ellipse: s-maj=2.3km s-min=2.0km az=39.8

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

ISC 07:04:17.7±0.2, 36.49N±0.03; 170.47E±0.02, h208km±2km, mb4.9/252, 60C-55D, Hindu Kush region

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

Table with columns: Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like XAN, XAN, XAN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like VTS, Vitosha, DRGR, DRGR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BRG, Berggiesshubel, BRG, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KLR, SKAR, BFO, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FLN, KESW, ESK, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like COI, PEAT, SICH, etc.

Table with columns: MATQ, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Matagami, Lebel-sur-Quev, La Tuque, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Missoula, State Game Lan, Reed City, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes stations like ARX, ARXH, ARXK, etc.

3d 9h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like Penghu, PHUB, SCZT, Fangliu, etc.

ISC 03 08:21:37.51.1.28.37N.106.19E, h0km, mb3.6/5, mb1.3/0.7, mb1mx3.4/4.8, mbtmp3.6/7, ML3.1/2, Error ellipse: s-maj=43.7km s-min=19.7km az=69.0

ISCJB 03 08:21:40.3.1.1.39.13N.070.106.2E.0.2, h33km, mb3.5/4, Error ellipse: s-maj=24.7km s-min=10.4km az=1.8

ISC 03 08:21:42.8.1.2.39.07N.009.106.1E.0.2, h35km, n7, 0.598/8, mb3.5/4, Western Nile Mongol

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like Songoing Array, SONM, SONM, etc.

ISC 03 08:33:06.7.1.1.28.37N.61.88E, h0km, mb3.8/9, mb1.3/0.9, mb1mx3.7/4.8, mbtmp3.8/10, ML3.2/1, MS3.0/4, Ms1.3/0.4, ms1mx2.7/4.3, Error ellipse: s-maj=23.8km s-min=20.8km az=146.0

ISCJB 03 08:33:07.5.0.7.28.39N.0.06.62.18E.0.07, h10km, mb3.8/10, MS3.1/3, Error ellipse: s-maj=9.8km s-min=7.7km az=30.6

TEH 03 08:33:09.0.28.46N.62.10E, h8km, ML3.8, ISC 03 08:33:08.1.0.8.28.33N.0.07.62.09E.0.09, h10km, n24, 0.250/22, mb3.8/10, MS2.9/3, Southwestern Pakistan

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like Zahaedan-imp, SZD1, SZD1, etc.

ISCJB 03 08:47:59.5.0.6.18S.0.08.148.6E.0.1, h65km, mb4.1/9, Error ellipse: s-maj=17.9km s-min=7.2km az=31.9

NEIC 03 08:48:01.1.1.1.6.21S.148.63E, h66km, mb4.1/10, Error ellipse: s-maj=26.3km s-min=9.9km az=128.0

ISC 03 08:48:02.3.3.3.18.23S.149.53E, h77km, mb3.9/5, mb1.4/1.6, mb1mx3.7/3.2, mbtmp4.3/6, MS2.9/6, Ms1.2/0.6, ms1mx2.8/2.7, Error ellipse: s-maj=44.9km s-min=13.2km az=117.0

ISC 03 08:48:00.9.0.6.6.2S.0.1.148.6E.0.1, h65km, n28, 0.091/29, mb4.2/9, New Britain region

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

2013 JUL

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

KRAR 03 08:49:03.9.0.1.53.62N.87.76E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Olninsk, GS RAS, 22ap + CD-ROM, 2014)

NNC 03 08:49:04.2.2.0.53.71N.88.05E, h0km, mb2.8, mpv2.4, Error ellipse: s-maj=19.4km s-min=9.8km az=49.0, Suspected Mining explosion.

ISC 03 08:49:05.8.2.9.53.56N.87.92E, h0km, mb1.3/4.2, mb1mx3.2/4.3, mbtmp3.4/2, ML3.2/3, C-3D, Error ellipse: s-maj=27.0km s-min=18.4km az=82.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Arra, ZAAO, etc.

RSNC 03 08:54:45.8.1.2.6.81N.73.13W, h150km, 4km, ML3.1, Mw3.5, 1C-1D, Northern Colombia

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like BARC Barichara, GIRC Giron, BRRR Barranca, etc.

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

GCG 03 08:57:19.0.0.9.13.67N.92.61W, h50km, 993km, MD4.2, NEIC 03 08:57:21.2.3.0.13.83N.91.99W, h4km, 6km, mb4.0/13, MD4.0(MEX), Error ellipse: s-maj=11.8km s-min=2.3km az=76.0

ISCJB 03 08:57:21.3.1.2.13.79N.0.05.92.28W.0.03, h11km, 7km, mb4.0/13, MS3.2/1, Error ellipse: s-maj=8.9km s-min=4.4km az=25.4

IDC 03 08:57:22.2.0.2.13.86N.92.24W, h0km, mb3.5/5, mb1.3/0.9, mb1mx3.8/3.2, mbtmp3.6/9, ML3.5/4, MS3.1/2, Ms1.3/1.2, ms1mx2.6/2.4, Error ellipse: s-maj=43.4km s-min=22.0km az=15.0

MEX 03 08:57:22.9.0.5.13.65N.92.14W, h49km, 36km, MD4.0, SNET 03 08:57:24.6.0.9.13.89N.92.17W, h54km, 110km, ML3.7, ISC 03 08:57:22.8.1.8.13.85N.0.07.92.20W.0.05, h13km, 10km, n58, 0.196/775, mb4.0/13, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like STG3 Santiago 3, THIG, THIG, etc.

MEX 03 09:03:19.0.0.5.15.01N.93.13W, h70km, 8km, MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ATPI, ATVO, NRCA, GUMA, BADI, PARC, CPGN, MOMA, SMA1, LNSS, DUGI, NWLJ, ZIRJE, UDBINA, KIJUV, KOLL, VYHS.

NIED 03 09:20:00, 35:00N, 139:50E, h20km, Mw3.6 Best double couple: M2, 72000x1014 NP1: 87.00000, 842.00000, 1.133.00000, NP2: 216.00000, 860.00000, 1.58.00000. IDC 03 09:20:47.8, 0.9, 35:03N, 139:55E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.6/39, mbtmp3.7/6, M3.6/1, Error ellipse: s-maj=27.6km s-min=16.2km az=79.0. ISCJB 03 09:20:51.3, 0.5, 35:02N, 139:49E, 0.04, h31km, 3km, mb3.7/6, Error ellipse: s-maj=6.2km s-min=4.6km az=153.6. JMA 03 09:20:51.4, 35:03N, 139:47E, h31km, 1km, M3.6 Broadband fault plane solution: P waves. NP1: 199.00000, 869.00000, 1.36.00000. NP2: 94.00000, 856.00000, 1.155.00000. Principal axes: T Plg40.0000, Azm61.0000; N Plg49.0000; Azm225.0000; P Plg8.0000, Azm324.0000. JMA Feil II J1. ISC 03 09:20:51.8, 0.8, 35:04N, 139:46E, 0.04, h29km, 6km, n28, 0.67/33, mb3.6/6, 3C-5D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JYO, JIM2, KJ3, JOD2, JIZS, JFNN, JYNN, JYJ, JMKJ, MJAR, MAT, JHU, H1N2, H1N1, H1N3, H1S3, H1S1, H1S2, MKAR, KDIK, ILAR, ASAR, NVAR, TXAR, LPAZ, HNR, H1N2, H1N3, H1S1, H1S2, STKA, STKA, WRAB, AS31, ASAR, VVND, SVW2, ILAR, MK32, MKAR, KRSR, USRK, VVND, SONM, KDKA, ILAR, NVAR, MKAR, PDAR, NNSS, GRAL, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BHL, DORL, HCW, RCY, RCBY, BRBR, QASN, QASN, QASN, QASN, TOTH, TOTH, TOTH, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BHL, DORL, HCW, RCY, RCBY, BRBR, QASN, QASN, QASN, QASN, TOTH, TOTH, TOTH.

Table with columns: STKA, Stephens Creek, 39.66 241 P P 09 31 03.2 +0.3. Includes stations like ASAR, TXAR, DJA, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, HNR, HNR, DZM, DZM, DZM, DZM, DZM, PMG, EIDS, CTA, JAY, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, STKA, STKA, WRAB, AS31, ASAR, VVND, SVW2, ILAR, MK32, MKAR, IDC 03 09:46:40.7, 6.1, 35:47N, 70:66E, h73km, 44km, mb3.7/4, mb1 3.7/7, mb1mx3.3/47, mbtmp4.0/7, ML 3.5/2, Error ellipse: s-maj=61.8km s-min=27.7km az=146.0. IDC 03 09:46:50.1, 1.3, 36:47N, 10:09:27.0E, 0.09, h110km, mb4.1/4, Error ellipse: s-maj=14.6km s-min=6.7km az=151.0. NNC 03 09:46:53.2, 2.4, 36:62N, 70:09E, h52km, 52km, mb3.9, mpv4.0, Error ellipse: s-maj=18.7km s-min=15.7km az=157.0. IDC 03 09:46:50.0, 1.4, 36:46N, 10:17:13E, 0.08, h110km, n16, c219/22, mb4.0/4, 6C-5D, Hindu Kush region. Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KK31, AAK, AAK, TKM2, TKM2, GEYT, GEYT, MK31, MKAR, AB31, AB31, AKTO, AKTO, AKTO, BVA0, ZALV, ARU, FINES, ARCES, TORD, KRAR 03 09:56:32.5, 0.1, 53:61N, 87:80E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012).

3d 10h

BDFB	LR	LR	10 55 46.1
BDFB	Brasilia	22.04 84	eP P
BDFB	Balboa, Cauca	22.09 343	eP P
PCON	Cinco Dias	22.16 345	eP P
PCON	Sao Paulo	22.17 105	eP P
BETC	Betania	22.29 448	eP P
POPC	Popayan, Colom	22.44 344	eP P
PMNB	Patios de Minas	23.06 92	eP P
ORTC	Ortega, Tolima	23.45 349	eP P
YOTC	Yotoco, Valle	23.75 346	eP P
BSCB	Bom Sucesso	24.49 98	eP P
PLMC	San Jos del P	24.63 347	eP P
SMTB	Santa Maria do	24.76 108	eP P
GU2C	Guyana, Caldas	24.78 349	eP P
ESAR	Angra dos Reis	24.86 103	eP P
JANB	Januaría	25.65 85	eP P
HELX	Santa Helena	25.73 349	eP P
SDV	Santo Domingo	27.99 0 LR	LR
SDV	Santo Domingo	27.99 0 LR	LR
ALF01	Guarapari-ES	28.29 98	eP P
BSFB	Barra de Sao F	28.31 94	eP P
PCRV	Puerto La Cruz	28.99 92	eP P
NBMO	Morrinhos-CE	33.99 66	eP P
SJG	San Juan	37.44 7	eP P
LNIG	Linares	52.02 326	eP P
ZAIG	Zacatecas	52.05 322	eP P
352A	Blakely	52.26 345	P P
254A	Abbeville	52.32 347	P P
251A	Midway	52.96 344	P P
Z58A	St. Stephen	53.02 351	P P
152A	Waverly Hall	53.34 345	P P
152A	Waverly Hall	53.34 345	P P
150A	Eclectic	53.61 344	P P
Z53A	Monticello	53.67 347	P P
149A	Jones	53.80 343	P P
Y55A	Saluda	53.96 349	P P
X60A	Albert Glenn T	53.99 353	P P
Y54A	Tignall	54.04 348	P P
Z50A	Ashland	54.20 344	eP P
Z50A	Ashland	54.20 344	P P
LRAL	Lakeview Retre	54.27 343	P P
Z49A	Columbiana	54.30 344	P P
X56A	White Oak	54.35 350	P P
BIRD	Birdtown, Kers	54.40 350	eP P
X55A	Gracelyn & Ava	54.43 349	P P
HKT	Hockley	54.56 333	eP P
W58A	Raeford	54.59 352	P P
Y51A	Rockmart	54.60 345	P P
X54A	Belton	54.65 348	P P
833A	Chaparral WMA,	54.80 329	P P
W57A	Gilead	54.83 351	eP P
Y49A	Blount Mountai	54.89 344	P P
W56A	Indian Trail	54.90 350	P P
X52A	Dalhousie	55.01 347	P P
W54A	Cherokee Point	55.13 349	P P
V59A	Middlesex	55.19 353	P P
X50B	Fort Payne	55.28 345	P P
W53A	Windy Hill, Pi	55.33 352	P P
V58A	Cullowhee	55.40 348	P P
W52A	Murphy	55.49 347	P P
X49A	Woodville	55.49 344	P P
V57A	Coltrane Farms	55.52 351	P P
V56A	Mocksville	55.55 350	P P
V56A	Mocksville	55.55 350	P P
X48A	Hartselle	55.62 344	eP P
X48A	Hartselle	55.62 344	P P
V55A	Taylorville	55.71 350	P P
U59A	Littleton	55.72 353	P P
W51A	Cleveland	55.74 346	P P
V54A	Nebo	55.76 349	P P
V53A	Saluda	55.82 348	P P
U58A	Oxford	55.85 352	P P
W50A	Signal Mountai	55.90 346	eP P
W50A	Signal Mountai	55.90 346	P P
X47A	Russelville	55.90 343	P P
W49A	Belvidere	56.05 345	P P
SWET	Sewanee	56.06 345	eP P
V52A	Sevierville	56.14 347	eP P
V52A	Sevierville	56.14 347	P P
W48A	Pulaski	56.24 344	P P
V51A	Loudon	56.26 347	P P
V50A	Pikeville	56.30 346	P P
T59A	Double "B" Far	56.31 354	eP P
T59A	Double "B" Far	56.31 354	P P
U5X	TA2, Sparta	56.31 350	P P
OFFA	Oxford	56.34 342	P P
T58A	Grand View Acr	56.39 353	P P
PLAL	Pickwick Lake,	56.40 343	eP P
U53A	Fall Branch	56.45 349	P P
U54A	Nelsons Funny	56.46 349	P P
W47A	Westpoint	56.52 344	P P
T57A	Hurt	56.54 352	eP P

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T57A	Hurt	56.54 352	P P
V49A	McMinville	56.58 345	P P
V48A	Smith Brothers	56.78 344	eP P
V48A	Smith Brothers	56.78 344	P P
JCT	Junction City	56.80 330	eP P
JCT	Junction City	56.80 330	P P
WLAR	White Oak Lake	56.80 338	eP P
T55A	Pulaski	56.88 350	P P
U54A	Tazewell	56.95 350	P P
T50A	Jamestown	56.96 347	P P
S58A	Poland Farm, P	56.99 353	P P
WHTX	Lake Whitney,	57.02 333	eP P
WHTX	Lake Whitney,	57.02 333	P P
T53A	Wise	57.04 349	P P
V47A	Nunnely	57.05 344	P P
V46A	Holladay	57.18 343	P P
S56A	Natural Bridge	57.25 352	P P
S57A	Dark Hollow, R	57.25 352	eP P
S57A	Dan Hollow, R	57.25 352	P P
U49A	Red Bulling Sp	57.27 346	P P
T51A	Gray	57.30 348	P P
R58B	Mineral	57.32 353	P P
WVT	Waverly	57.41 344	eP P
WVT	Waverly	57.41 344	P P
U48A	Cassie Pea, Po	57.45 345	P P
T50A	Nancy	57.54 347	P P
U47A	Clarksville	57.57 344	P P
S54A	Dingess, Beckl	57.63 350	P P
S53A	Williamson	57.65 349	P P
MIAR	Mount Ida	57.74 338	eP P
MIAR	Mount Ida	57.74 338	P P
T49A	Edmonton	57.77 346	eP P
T49A	Edmonton	57.77 346	P P
TXAR	Lajitas Array	57.80 326	P P
TXAR	Lajitas Array	57.80 326	LR
TX31	Lajitas Ar. Si	57.80 326	eP P
W41B	Garv Mavity, V	57.85 339	P P
R54A	Victor	57.95 351	P P
T48A	Bowling Green	57.98 345	P P
T47A	Sharon Grove	58.04 345	eP P
T47A	Sharon Grove	58.04 345	P P
S50A	Richmond	58.08 347	P P
T46A	Princeton	58.29 344	P P
S49A	Springfield	58.37 347	P P
W39A	Magazine	58.40 338	eP P
W39A	Magazine	58.40 338	P P
S48A	Wiedeman Farm,	58.42 346	P P
Q57A	Strasburg	58.44 353	P P
ABTX	Abilene, Hawle	58.52 331	eP P
ABTX	Abilene, Hawle	58.52 331	P P
S47A	Hartford	58.56 345	P P
Q53A	Leroy	58.70 350	P P
PBMO	Poplar Bluff	58.75 342	eP P
S46A	Don Dixon Farm	58.85 344	P P
U40A	Yellville	59.13 339	P P
S44A	Carbondale	59.27 343	P P
P53A	Whipple	59.29 350	eP P
HHAR	Hobbs	59.43 338	eP P
O59A	Robesonia	59.49 355	P P
P51A	Williamsport	59.56 349	P P
R45A	Skylar, Fairir	59.57 344	P P
O55A	Ligonier	59.70 352	P P
TUL1	Leonard	59.77 337	eP P
TUL1	Leonard	59.77 337	P P
WMOK	Wichita Mounta	59.94 333	eP P
WMOK	Wichita Mounta	59.94 333	P P
CCM	Cathedral Cave	60.18 341	eP P
CCM	Cathedral Cave	60.18 341	P P
N55A	Marion Center	60.23 353	eP P
N55A	Marion Center	60.23 353	P P
N54A	Moraine State	60.53 352	eP P
MNTX	Cornudas Mount	60.57 326	eP P
MNTX	Cornudas Mount	60.57 326	P P
M59A	Waymart	60.66 356	P P
O48A	Farmald	60.72 347	P P
M56A	Emporium	60.84 354	P P
N51A	Ashland	60.84 350	P P
M55A	Ridgway	60.88 353	P P
O47A	Sheridan	60.91 347	P P
M54A	Oil Creek Stat	61.03 352	eP P
M54A	Oil Creek Stat	61.03 352	P P
M5TX	Muleshoe	61.09 330	eP P
M5TX	Muleshoe	61.09 330	P P
M53A	WI Miller and	61.10 352	P P

P43A	Skaggs, Pawnee	61.16 344	P P
N49A	Columbus Grove	61.17 348	eP P
N49A	Columbus Grove	61.17 348	P P
SFIN	Lafayette	61.26 346	P P
M52A	Chesterland	61.29 351	P P
N47A	Urbana	61.43 347	P P
HRV	Adam Dzewonsk	61.48 359	P P
L54A	Sinclairville	61.70 353	P P
L48A	N Adams	62.20 349	P P
M45A	Boilermakers S	62.25 346	P P
N43A	Stutzman Famil	62.29 344	P P
L47A	Sherwood	62.38 348	P P
VNA3	Neumayer Olymp	62.74 161	P P
J52A	Paris	62.84 352	P P
N40A	Shenandoah, Sal	62.89 342	P P
KSU1	Kansas State U	62.90 338	P P
VNA1	Neumayer-Stat	62.96 161	P P
K48A	Perry	62.98 349	P P
K47A	Vermontville	63.01 348	P P
BNM	Barret Site	63.14 327	eP P
PECO	Prince Edward	63.16 355	eP P
WLVO	Wesleyville	63.27 354	P P
L42A	Oliver, Polo	63.42 344	P P
I51A	Listowel	63.47 352	P P
I55A	Frankford	63.49 354	P P
J47A	Summer	63.53 349	P P
I52A	Shelburne	63.62 352	P P
ANMO	Albuquerque	63.68 328	eP P
ANMO	Albuquerque	63.68 328	P P
TASM	ASL Pad, Albuq	63.68 328	P P
TASM	ASL Pad, Albuq	63.68 328	P P
LONY	Lake Ozonia	63.68 357	P P
H56A	Elgin	63.75 356	P P
BASO	Ashfield	63.76 351	P P
H55A	Tweed	63.78 355	P P
DELO	Deloro Mine	63.79 355	P P
BWLO	Walkerton	63.79 352	P P
FRNY	Flat Rock	63.85 358	eP P
L40A	Anamosa	63.88 343	eP P
L40A	Anamosa	63.88 343	P P
TUC	Tucson	64.00 323	P P
J45A	Montague	64.03 347	P P
SADO	Sadowna	64.19 353	eP P
PKME	Peaks-Kenny Pk	64.25 1	P P
I48A	Sherman Twp	64.25 350	P P
BMRO	Merrill Lake	64.27 352	P P
JFWS	Jewell Farm	64.42 344	eP P
JFWS	Jewell Farm	64.42 344	P P
T25A	Trinidad	64.44 331	eP P
T25A	Trinidad	64.44 331	P P
G53A	Haliburton	64.48 354	P P
H48A	Harrisville	64.69 350	P P
H46A	Fife Lake	64.86 349	P P
BUKO	Buck Lake	64.88 353	P P
KLBO	Kilbuck Provi	64.89 353	P P
PEMO	Pembroke	64.91 355	P P
214A	Organ Pipe Nat	64.92 321	P P
SNA4	Snaae	64.95 161	P P
SNA4	Snaae	64.95 161	eP P
I42A	Draefer Farm,	65.01 346	P P
LMN	Caledonia Moun	65.05 5	eP P
X18A	Snowflake	65.19 325	eP P
KSCO	Kaye Shedlock	65.19 333	P P
F52A	Sundridge	65.22 353	P P
G47A	Hillman	65.23 350	P P
TRQ	Mont Tremblant	65.28 357	eP P
H43A	Windswept, Lux	65.31 347	P P
F51A	Arnstein	65.42 353	P P
SDCO	Great Sand Dun	65.44 330	eP P
SDCO	Great Sand Dun	65.44 330	P P
E52A	Mattawa	65.64 354	P P
E54A	Lac Daplat, Po	65.65 355	P P
F48A	Evansville	65.68 351	P P
PQI	Presque Isle	65.69 2	eP P
E51A	G1948 Merrick	65.97 353	P P
E50A	Wanipatee	66.00 352	P P
F45A	CMU Biological	66.02 349	P P
S22A	4UR Ranch, Cre	66.07 329	eP P
S22A	4UR Ranch, Cre	66.07 329	P P
E48A	Lockeys	66.25 351	P P
Q24A	Divide	66.26 331	eP P
Q24A	Divide	66.26 331	P P
D52A	Zelkowitz-pawa Sen	66.30 354	P P
D54A	Lac Fusel, La	66.	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mesa Verde, Ogallala, Rib Lake, Wupatki, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Red Lodge, Grant Village, Holmes Hill, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Niue, Funa, DZM, etc. Includes error ellipse information and specific event details like FIAO 03 11:29:39.0, 0.4, 59:32N, 0:03:10:90E, etc.

3d 12h

SKAR comp=Z.3.1nm,0.2s IAML 11 30 41.0
NC204 NORSAR Array S 1.96 358 eP Pn 11 30 14.4 +0.2

IDC 03 11:30:21.2, 1.2, 27.05N:54.46E, h10km, mb3.8/6,
mb1 3.9/7, mb1mx3.6/48, mbtmp3.9/7, ML3.4/1, MS3.0/2,
Ms1 3.0/2, ms1mx2.6/36, Error ellipse: s-maj=46.1km
s-min=22.1km az=48.0

DSN 03 11:30:21.3, 2.1, 27.70N:55.35E, h10km, ML3.8/6, Error
ellipse: s-maj=34.5km s-min=11.1km az=47.0
THR 03 11:30:23.0, 27.22N:54.95E, h14km, ML3.5
ISCJB 03 11:30:25.3, 0.3, 27.33N:0.03:54.98E:0.04, h17km,
mb4.0/7, MS3.1/1, Error ellipse: s-maj=6.2km s-min=3.6km
az=148.1

TEH 03 11:30:25.0, 27.30N:55.00E, h16km, ML3.6
ISC 03 11:30:23.8, 0.6, 27.19N:0.04:54.97E:0.04, h17km, n52,
r150/53, mb3.9/7, Southern Iran

Code Station Name Az AzZ Phase ID Time Res
BNDS Bandar-Abbas 1.09 79 eP AML 11 30 31.1
GENO GENO 1.09 79 eP Pn 11 30 44.9 +0.4
SHME Sham 1.55 137 eP Sg 11 30 52.5 +0.4

JHRM Jahrom 1.80 317 ePn Pn 11 30 56.7 +0.4
GHIR Ghir-Karzin 2.07 302 ePn Pn 11 30 59.0 +1.2
MSFE Esma-Masafi 2.12 149 ePn S 11 31 01.1 -0.6
MDH Madha 2.23 147 ePn Pn 11 31 04.0 +0.4

IPAR Pars 3.13 328 ePn IAMB IAMB 11 31 14.8 +2.1
TVBK TV Kerman 3.20 29 ePn IAMB IAMB 11 31 15.0 +1.4
KHGB Koh Gabri 3.44 22 ePn Pn 11 31 18.8 +2.0
CHMN Cheshme madani 3.49 40 ePn Pn 11 31 19.9 +2.2

WSAR Wadi Sarin 5.15 139 Pn Pn 11 31 43.0 +2.9
YZKH Yazd 5.19 356 ePn Pn 11 31 42.4 +1.6
YCHK Yazd 5.19 356 ePn Pn 11 31 42.4 +1.6
IGAR Gharneh 5.20 107 ePn Pn 11 31 42.8 +2.1

ROKH ROKH 6.17 327 ePn Pn 11 31 55.4 +1.1
BEYT Alibeck 11.03 13 LR LR 11 31 29.3
KRIN Keskin Array B 21.68 311 P P 11 35 13.0 -0.9
ARU Arti 29.33 4 LR LR 11 49 03.3

AKASG Malin Array Be 30.57 327 P P 11 36 35.6 -0.8
FINES FINES Array B 39.34 339 P P 11 37 51.3 -0.5
HFS Hagfors 43.23 331 P P 11 38 23.0 -0.8
NB2 NORSAR Subarra 44.75 331 P P 11 38 34.2 -1.9

NOA NOA 44.75 331 P P 11 38 34.5 -1.6
TORD Torodi Ar. Bea 51.56 265 P P 11 39 25.5 -3.8
ASAR Alice Springs 91.42 116 P P 11 43 31.3 +2.0
IDC 03 11:31:54.6, 4.1, 36.17N:70.45E, h176km, mb3.7/10,
mb1 3.8/13, mb1mx3.4/52, mbtmp4.3/13, Error ellipse:
s-maj=26.6km s-min=19.5km az=12.0

KBL Kabul 2.24 213 ePn Pn 11 32 41.1 +2.2
KBL Kabul 2.24 213 ePn Pn 11 33 12.0 +1.3
GARM Garm 2.56 357 eS S 11 33 12.0 +1.1
GARM Garm 2.56 357 ePn Pn 11 32 43.3 +1.1

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KSH comp=Z.62nm,0.7s pmax pmax
KSH comp=N.370nm,0.4s smax smax
IUG luzhnyay 5.71 356 Lg Lg 11 34 23.8

THN THN 5.87 131 eP Pn 11 33 21.5 -1.4
DHRM DHARAMSHALA 6.35 129 eS S 11 34 05.0 +0.2
DHRM DHRM 6.35 129 eS S 11 34 42.6 +0.6

MRKS Merke 6.66 27 P Lg 11 34 44.7
KK31 Karatay Array 6.66 360 ePn Pn 11 33 33.3 +0.3
KK31 Karatay Array 6.66 360 eS S 11 34 46.1 -2.8

AAK Ala-Archa 6.91 25 P Pn 11 33 37.6 +1.1
AAK Ala-Archa 6.91 25 eS S 11 34 53.3 -1.8
AAK Ala-Archa 6.91 25 eS S 11 33 37.5 +1.0

FRU1 Bishkek 7.11 25 ePn Pn 11 33 40.3 +1.3
FRU1 Bishkek 7.11 25 eS S 11 34 59.3 -0.4
CHMS Chumysh 7.32 25 P Pn 11 33 42.4 +0.7
USP Osenovka 7.48 23 P Pn 11 33 44.2 +0.5

TKM2 Tokmak 2 7.57 30 eP S 11 33 45.7 +0.7
TKM2 Tokmak 2 7.57 30 Pn Pmax 11 33 45.9 +0.9
SMLA Simla 7.66 132 eS Pn 11 33 47.9 +1.8

KDJ Kajisay 7.68 40 ePn Pn 11 33 46.8 +0.3
KDJ Kajisay 7.68 40 eS S 11 35 10.7 -2.7
SGDS Sogindy 7.69 23 Lg Lg 11 35 07.0

KST Kasbek 7.82 31 Lg Lg 11 35 11.6
MTBS Maibute 8.09 32 P Pn 11 33 52.9 +1.3
KOTS Kotrybulak 8.47 35 P Pn 11 33 58.6 +1.9

PRZ Przheval'sk 8.58 43 ePn Pn 11 33 59.8 +1.6
PRZ Przheval'sk 8.58 43 ePn Pn 11 33 59.6 +0.5
KUU Kurum 8.68 29 Lg Lg 11 35 32.2

DDI Dehra Dun 8.77 132 eS S 11 35 37.1 -2.1
DDI comp=N.154nm,0.5s IAML 11 35 38.7
SPTY Saty 8.98 40 P Pn 11 34 04.0 +0.7

BTL5 Batlat 9.00 16 Lg Lg 11 35 38.9
KHES Kuram 9.17 37 P Pn 11 34 07.3 +1.6
KHET Khetri 9.46 150 eP S 11 34 07.5 -1.2

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AKTO Aktyubinsk 16.64 331 eP Pn 11 35 39.3 +0.3
ZAAO Zalesovo Array 20.14 25 eP P 11 36 14.1 -1.5
ZALV Zalesovo Beam 20.14 25 P P 11 36 17.1 +1.5

ARU Arti 21.57 342 P P 11 36 32.5 +1.9
ARU Arti 21.57 342 eP P 11 36 28.4 -2.2
ARU Arti 21.57 342 d/P P 11 36 31.3 +0.7

CD2 Chengdu 28.12 92 eP P 11 37 30.4 +0.5
OBN Obninsk 29.73 320 eP Pmax 11 37 40.7 +0.5
KMI Kunming 29.76 103 P Pmax 11 37 46.4 +1.3

FINES FINES Array B 37.32 326 P P 11 38 51.1 +1.6
ARCS ARCS Array B 41.05 338 P P 11 39 22.4 +2.0
AREO ARCS Array S 41.05 338 eP P 11 39 20.0 -0.2

TIKI Tiksi 45.96 22 eP P 11 40 15.5 +2.0
AKN Aaknes 46.30 324 eP P 11 39 59.0 -3.2
BLS5 Blasjo 46.48 321 eP P 11 40 00.9 -2.8

ILAR Eielson Array 74.95 16 P P 11 43 17.1 +1.6
ASAR Alice Springs 84.54 125 P P 11 44 08.0 +0.4
SKO 03 11:58:28.3, 41.71N:22.27E, h15km, M1.6, ML1.9,
Northwestern Balkan Peninsula

STIP Stip 0.07 256 eP Pn 11 58 32.1 +0.8
STIP Stip 0.07 256 eS S 11 58 34.2 +1.0
VAY Valandovo 0.45 150 ePn Pn 11 58 37.5 +0.2

VAY Valandovo 0.45 150 eS S 11 58 43.4 0.0
VAY comp=E.130nm,0.3s eLg Lg 11 58 34.4
VAY comp=E.50nm,0.5s eLg Lg 11 58 43.6

KKB Krupnik 0.63 75 ePn Pn 11 58 41.1 0.0
KKB Krupnik 0.63 75 eS S 11 58 49.2 +0.1
KNT Kendrikon 0.72 139 ePn Pn 11 58 42.7 0.0

GRG Griva 0.76 172 ePn Pn 11 58 43.4 +0.2
MOS 03 12:05:45.6, 1.4, 27.14N:55.07E, h18km, mb4.4/21, Error
ellipse: s-maj=7.9km s-min=5.8km az=94.0

NEIC 03 12:05:47.8, 0.0, 27.25N:55.00E, h15km, mb4.4/31,
ML4.4(THR), MN4.5(TEH), After THR.
ISCJB 03 12:05:47.2, 0.2, 27.32N:0.03:54.91E:0.03, h17km,
mb4.3/58, MS3.4/17, Error ellipse: s-maj=4.3km
s-min=3.3km az=146.2

Table with columns: CHMN, CHESHME MADANI, 3.47, 40, ePn, Pn, 12.06, 43.9, +2.5, 12.07, 33.5, etc.

Table with columns: ARU, ARTI, 29.29, 4, eP, P, 12.11, 49.5, +0.5, 12.11, 48.5, -0.6, etc.

Table with columns: DBIC, DIMBOKRO, 60.18, 262, P, P, 12.15, 55.8, +0.6, 12.16, 55.8, +0.6, etc.

PAB	San Pablo	20.11 277	eP	P	13 32 56.5	-0.7
PAB	San Pablo	20.11 277	eP	P	13 32 56.5	-0.7
PAB	comp-Z,84nm,1.7s		pmax	pmax		
CWF	Charnwood	20.24 316	eP	I Amb	13 32 58.3	-0.1
CWF	comp-Z,25nm,0.6s		I Amb	I Amb	13 33 01.9	
STRD	Stroud	20.26 313	eP	I Amb	13 32 59.0	+0.4
STRD	comp-Z,232nm,0.9s		I Amb	I Amb	13 33 03.9	
STRD	comp-Z,3um,13.5s		I Amb	I Amb	13 31 42.1	
PUL	Pulkovo	20.38 12	eP	P	13 32 57.0	-2.8
PUL	Pulkovo	20.38 12	eP	P	13 32 59.2	-0.6
PUL	comp-Z,143nm,0.4s		pmax	pmax		
MONM	Monmouth	20.65 313	eP	I Amb	13 33 02.9	+0.1
MONM	comp-Z,309nm,1.5s		I Amb	I Amb	13 33 08.0	
MONM	comp-Z,2um,20.6s		I Amb	I Amb	13 32 28.3	
HFS	Hagfors	20.67 348	eP	P	13 33 01.8	-1.2
HFS	comp-Z,2.7nm,0.7s,baz=159,slow=13,SNR=23		LR	LR	13 32 12.1	
LBWR	Ladybowyer, Pea	20.79 318	eP	I Amb	13 33 03.7	-0.6
LBWR	comp-Z,78nm,1.0s		I Amb	I Amb	13 33 04.8	
LBWR	comp-Z,1um,12.2s		I Amb	I Amb	13 32 00.0	
MCH1	Michaelchurch	20.82 313	eP	I Amb	13 33 04.8	+0.1
MCH1	comp-Z,134nm,0.9s		I Amb	I Amb	13 33 09.2	
MCH1	comp-Z,3um,11.3s		I Amb	I Amb	13 32 14.0	
STNC	Stoke	20.88 316	eP	I Amb	13 33 05.7	+0.4
STNC	comp-Z,1um,10.1s		I Amb	I Amb	13 32 03.7	
HLM1	Long Mynd	20.98 314	eP	I Amb	13 33 06.2	-0.2
HLM1	comp-Z,53nm,0.9s		I Amb	I Amb	13 33 11.4	
KONO	Kongsberg	21.01 343	eP	P	13 33 05.3	-1.5
KONO	comp-Z,66nm,1.2s		pmax	pmax		
KONO	Kongsberg	21.01 343	eP	P	13 33 05.2	-1.5
KONO	comp-Z,55nm,1.3s		pmax	pmax		
KONO	Kongsberg	21.01 343	eP	P	13 33 06.5	-0.2
KONO	comp-Z,66nm,1.2s		pmax	pmax		
KONO	Kongsberg	21.01 343	eP	P	13 33 06.5	-0.3
KONO	comp-Z,66nm,1.2s		pmax	pmax		
OSL	Oslo	21.03 344	eP	P	13 33 05.9	-0.9
FOEL	Foel Wyifa	21.32 315	eP	I Amb	13 33 10.1	0.0
FOEL	comp-Z,148nm,1.2s		I Amb	I Amb	13 33 15.2	
FOEL	comp-Z,1um,13.5s		I Amb	I Amb	13 32 18.6	
FAIO	FINESS Array S	21.51 6	eP	P	13 33 10.7	-1.3
FAIO	comp-Z,150nm,0.8s		P	P	13 33 10.7	-1.3
FINES	FINESS Array B	21.51 6	eP	P	13 33 10.7	-1.3
FINES	comp-Z,2.1nm,1.0s,baz=182,slow=9.5,SNR=25		P	P	13 33 17.4	-0.8
FINES	comp-Z,5.4nm,1.1s,baz=282,slow=2.7,SNR=37		P	P	13 33 17.4	-0.8
FINES	comp-Z,740nm,18.2s,baz=188,slow=37		P	P	13 31 45.8	
FAI1	FINESS Array S	21.51 6	eP	P	13 33 11.6	-0.4
FAI1	comp-Z,77nm,1.0s		P	P	13 33 11.6	-0.4
NC602	NORSAR Array S	21.61 346	eP	P	13 33 11.7	-1.4
NC602	comp-Z,140nm,0.8s		P	P	13 33 12.9	-0.2
NORES	NORESS Array B	21.61 346	eP	P	13 33 12.2	-0.8
NORES	comp-Z,55nm,0.6s		pmax	pmax		
BL5S	Blasjo	21.63 338	eP	P	13 33 13.6	+0.3
EDMD	Edmundbyers	21.66 321	eP	I Amb	13 33 12.9	-0.8
EDMD	comp-Z,49nm,1.0s		I Amb	I Amb	13 33 18.0	
EDMD	comp-Z,2um,12.9s		I Amb	I Amb	13 33 14.3	
KMY	Karmoy	21.81 337	eP	P	13 33 15.3	+0.1
NAO01	NORSAR Array S	21.83 345	eP	P	13 33 14.3	-1.2
MVO	Moncorvo	21.90 282	eP	P	13 33 17.8	+1.3
MVO	comp-Z,37nm,1.4s		eS	S	13 37 20.6	+2.4
MVO	comp-Z,300nm,16.0s		eLR	LR	13 32 25.4	
NC405	NORSAR Array S	21.93 347	eP	P	13 33 15.8	-0.7
NC405	comp-Z,150nm,0.8s		P	P	13 33 15.8	-0.9
NB201	NORSAR Array S	21.94 346	eP	P	13 33 15.8	-0.9
NB2	NORSAR Subarra	21.95 346	eP	P	13 33 15.5	-1.3
NB2	comp-Z,57nm,0.9s		P	P	13 33 15.5	-1.3
NB2	comp-Z,171nm,0.9s		P	P	13 33 15.5	-1.3
NB200	NORSAR Array S	21.95 346	eP	P	13 33 15.3	-1.5
NOA	NORSAR Array B	21.95 346	eP	P	13 33 15.3	-1.5
NOA	comp-Z,33nm,0.8s,baz=161,slow=11,SNR=46		LR	LR	13 33 05.9	
ODD1	Odda	21.99 339	eP	P	13 33 17.3	+0.1
NB000	NORSAR Array S	22.02 346	eP	P	13 33 16.1	-1.4
NB000	comp-Z,150nm,0.8s		P	P	13 33 16.1	-1.4
KESW	Keswick, Cumbr	22.09 319	eP	I Amb	13 33 17.4	-0.9
KESW	comp-Z,59nm,0.9s		I Amb	I Amb	13 33 21.2	
NC303	NORSAR Array S	22.09 346	eP	P	13 33 17.7	-0.6
NC303	comp-Z,185nm,0.8s		P	P	13 33 17.7	-0.6
TAM	Tamanrasset	22.13 224	eP	P	13 33 19.6	+0.4
TAM	comp-Z,36nm,1.1s		pmax	pmax		
TAM	Tamanrasset	22.13 224	eP	P	13 33 19.6	+0.4
TAM	comp-Z,36nm,1.1s		pmax	pmax		
WME	Myndd Eilian	22.14 316	eP	P	13 33 18.0	-0.8
SKAR	Skarslia	22.23 342	eP	P	13 33 20.2	+0.4
BB01	Botheil	22.24 319	eP	P	13 33 18.6	-1.3
NC204	NORSAR Array S	22.25 346	eP	P	13 33 19.1	-1.0
NC204	comp-Z,113nm,1.0s		P	P	13 33 23.5	+1.7
MTE	Manteigas	22.39 280	eP	P	13 33 23.5	+1.7
MTE	comp-Z,64nm,1.6s		eS	S	13 37 28.4	+0.8
MTE	comp-Z,283nm,16.0s		eLR	LR	13 32 12.9	
MTE	Manteigas	22.39 280	eP	P	13 33 21.1	-0.7
MTE	comp-Z,36nm,1.1s		P	P	13 33 21.1	-0.7
BHH	Howats Hill	22.41 320	eP	P	13 33 20.7	-1.0
PCBR	Castelo Branco	22.43 279	eP	P	13 33 23.9	+1.8
PCBR	comp-Z,34nm,1.5s		P	P	13 33 23.9	+1.8
MDT	Midelt	22.44 259	eP	P	13 33 20.8	-1.6
MDT	comp-Z,17nm,0.9s,baz=82,slow=12,SNR=12		P	P	13 33 25.7	+3.4
PMRV	PMRV	22.45 278	eP	P	13 33 25.7	+3.4
PMRV	comp-Z,55nm,1.5s		eS	S	13 37 28.8	+0.3
PMRV	comp-Z,55nm,1.5s		eLR	LR	13 31 58.4	
ESK	Eskdalemuir	22.52 321	eP	P	13 33 22.1	-0.8
ESK	comp-Z,272nm,18.0s		eLR	LR	13 33 22.1	-0.8
ESK	Eskdalemuir	22.52 321	eP	P	13 33 21.8	-1.1
ESK	comp-Z,76nm,0.9s		I Amb	I Amb	13 33 24.9	
ESK	Eskdalemuir	22.52 321	eP	P	13 33 22.1	-1.1
ESK	comp-Z,62nm,0.8s		I Amb	I Amb	13 33 24.9	
ESK	Eskdalemuir	22.52 321	eP	P	13 33 22.3	-0.6
ESK	comp-Z,7um,14.6s		I Amb	I Amb	13 33 22.3	-0.6
WIM	Isle of Man	22.68 317	eP	P	13 33 22.8	-1.8
EBL	Broad Law	22.69 322	eP	P	13 33 22.5	-2.2
BER	Bergen	22.74 339	eP	P	13 33 25.4	+0.2
PGAV	Gavireira, Arco	22.74 284	eP	P	13 33 25.4	-0.1
PGAV	comp-Z,61nm,1.7s		eS	S	13 37 34.7	+0.7
PGAV	comp-Z,386nm,18.0s		eLR	LR	13 31 50.2	
EDI	Edinburgh	22.84 322	eP	P	13 33 24.7	-1.6
EDI	comp-Z,2um,14.7s		I Amb	I Amb	13 33 24.7	-1.6
GALT	Galloway	23.04 319	eP	P	13 33 27.2	-1.1
PMT1	Montargil	23.15 277	eP	P	13 33 31.9	+2.2
PMT1	comp-Z,30nm,1.4s		P	P	13 33 31.9	+2.2
HYA	Hoyanger	23.17 341	eP	P	13 33 29.9	+0.3
DOMB	Dombras	23.29 345	eP	P	13 33 29.9	-0.9
PCVE	Castro Verde	23.35 274	eP	P	13 33 33.2	+1.5
PCVE	comp-Z,30nm,1.4s		P	P	13 33 33.2	+1.5
PBDV	Barranco-do-Ve	23.38 273	eP	P	13 33 32.3	+0.3
MESJ	Mesjaane	23.44 274	eP	P	13 33 31.8	-0.8
MESJ	comp-Z,143nm,0.4s		Amb	Amb	13 33 46.0	

MESJ	comp-Z,32nm,1.6s		eS	S	13 37 45.0	-0.6
INVG	Invergelddie, C	23.52 323	eP	I Amb	13 33 31.5	-1.6
INVG	comp-Z,22nm,0.8s		I Amb	I Amb	13 33 32.4	
INVG	comp-Z,2um,13.2s		I Amb	I Amb	13 34 33.0	
EAB	Aberfoyle	23.53 322	eP	P	13 33 31.6	-1.6
PNCL	Nicoulay / Gran	23.61 275	eP	P	13 33 34.3	+0.1
PNCL	comp-Z,34nm,1.4s		P	P	13 33 34.3	+0.1
AKN	Aaknas	23.85 343	eP	P	13 33 36.0	-0.4
CLGH	Cloghs, Cushen	23.85 318	eP	I Amb	13 33 36.0	-0.5
CLGH	comp-Z,142nm,1.6s		I Amb	I Amb	13 33 38.1	
MARME	Marmelette	23.91 273	eP	Amb	13 33 36.0	-1.2
MORF	MORF	23.91 273	eP	Amb	13 33 40.8	
MORF	comp-Z,23nm,1.6s		eS	S	13 37 52.9	-0.4
MORF	Loch Awe, Argy	24.07 321	eP	I Amb	13 33 37.4	-1.1
LAWE	LAWE	24.07 321	eP	I Amb	13 33 42.1	
LAWE	comp-Z,35nm,1.0s		I Amb	I Amb	13 33 42.1	
LAWE	comp-Z,1um,13.7s		I Amb	I Amb	13 34 48.0	
MOL	Molde	24.08 344	eP	P	13 33 38.5	0.0
BIGH	Upper Bighouse	24.64 327	eP	I Amb	13 33 41.7	-1.9
BIGH	comp-Z,65nm,1.1s		I Amb	I Amb	13 33 43.8	
BIGH	comp-Z,1um,11.0s		I Amb	I Amb	13 34 50.2	
KAC	Achnashellach	24.68 324	eP	P	13 33 42.7	-1.3
NSS	Ness	25.12 350	eP	P	13 33 48.2	+0.4
KIRV	Kirov	25.47 34	eP	P	13 33 50.3	-0.8
KIRV	comp-Z,11nm,0.4s,baz=246,slow=5.9,SNR=27		LR	LR	13 34 52.7	
RAYN	Ar Rayn	25.91 123	eP	P	13 33 56.1	+0.5
RAYN	comp-Z,287nm,19.1s,baz=28,slow=40		LR	LR	13 35 24.7	
RAYN	Ar Rayn	25.91 123	eP	P	13 33 56.1	+0.5
RAYN	comp-Z,74nm,1.5s		pmax	pmax		
PRGR	Pergomere	25.96 26	iP	P	13 33 57.1	+1.5
PRGR	comp-Z,275nm,1.0s		pmax	pmax		
AKTO	Aktjubinsk	27.21 56	P	P	13 34 07.5	+0.5
AKTO	comp-Z,9.1nm,1.0s,baz=262,slow=9.8,SNR=22		LR	LR	13 34 33.0	
AKTO	Aktjubinsk	27.21 56	iP	P	13 34 07.1	+0.1
AKTO	comp-Z,216nm,20.8s,baz=279,slow=40		pmax	pmax		
STEI	Steigen	28.10 355	eP	P	13 34 14.2	-0.5
GEYT	Alibeck	28.14 83	eP	P	13 34 16.4	+0.9
GEYT	comp-Z,7.4nm,1.0s,baz=269,slow=5.9,SNR=14		LR	LR	13 34 38.7	
GEYT	comp-Z,236nm,18.4s,baz=265,slow=43		LR	LR	13 34 15.4	-0.1
GYA0B	ALIBECK ARRAY	28.14 83	eP	P	13 34 15.4	-0.1
GYA0B	comp-Z,53nm,1.6s		iP	P	13 34 20.2	+4.3
APA	Apatity	28.23 9	iP	P	13 35 13.1	
APA	comp-Z,3.0nm,0.9s		iS	S	13 39 08.0	+6.8
APA	comp-Z,200nm,15.0s		pmax	pmax		
AB31	Akbulak array	28.32 58	iP	P	13 34 17.1	+0.2
AB31	comp-Z,12nm,1.3s		pmax	pmax		
AB31	comp-Z,12nm,1.3s		pmax	pmax		
ABKAR	Akbulak array	28.32 58	eP	P	13 34 16.9	0.0
ABKAR	comp-Z,9.5nm,0.9s		P	P	13 34 20.3	-1.9
ARU	Arti	28.93 43	eP	P	13 34 20.3	-1.9
ARU	comp-Z,2.0nm,0.6s,baz=240,slow=6.3,SNR=21		LR	LR	13 34 38.3	
ARU	Arti	28.93 43	eP	P	13 34 21.6	-0.6
ARU	comp-Z,668nm,18.2s,baz=242,slow=38		LR	LR	13 34 21.6	-0.6
ARU	Arti	28.93 43	eP	P	13 34 21.6	-0.6
ARU	comp-Z,38nm,1.3s		iP	P	13 34 22.2	0.0
ARU	Arti	28.93 43	iP	P	13 35 12.9	
ARU	comp-Z,140nm,5.5s		S	S	13 37 25.7	
ARU	Arti	28.93 43	iP	P	13 39 12.9	+0.5
ARU	comp-Z,38nm,1.4s		S	S	13 39 12.9	+0.5
ARU	comp-Z,38nm,1.4s		MLR	MLR	13 34 20.3	-1.9
ARU						

3d 13h

2013 JUL

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like WVT Waverly, 254A Abberville, 355A Pearson, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MAT Matsushiro, UALR University of Arkansas, GCMT Greycliff, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SDCO Great Sand Dun, SDCO Great Sand Dun, WHTX Lake Whitney, etc.

GEN Q3 13:30:22.1, 44:18N-10:20E, h5km, 1km, M10.9
ROM Q3 13:30:21.4, 0.1, 44:189N, 0.006:10:203E:0.006,
h8km, M1.1/3.4, Error ellipse: s-maj=0.7km s-min=0.4km
az=206.0, Northern Italy
Code Station Name A° AZ° Phase ID Time Res
T0912 Minucciano (LU) 002 166 Op P 13 30 23.5 +0.3
T0912 Equi 0.0 237 S S 13 30 24.0 +0.1
EQUI Equi 0.0 237 S Pg 13 30 23.5 +0.3
EQUI Equi 0.0 237 S Pg 13 30 24.0 +0.1

Table with columns: EQUI, Equi, 0.04 237, P, Pg, 13 30 23.4 +0.3, 13 30 24.4 +0.1, URLA, Izmir, 1.11 166, i/P, Pg, 13 59 52.5 0.0, comp=Z,3.7nm,0.3s,baz=196,slow=14,SNR=50, ASAJ, comp=Z,2.1nm,0.3s,baz=75,slow=13,SNR=6.1, Sn, 14 11 45.3 -2.1, etc.

Table with columns: URLA, Izmir, 1.11 166, i/P, Pg, 13 59 52.5 0.0, comp=Z,5.0um,0.1s, BALIKESIR Sava, 1.14 93, i/P, Pn, 13 59 52.5 +0.1, etc.

Table with columns: ASAJ, comp=Z,3.7nm,0.3s,baz=196,slow=14,SNR=50, Sn, 14 11 45.3 -2.1, etc.

DJA 03 13:46:30.1±0.9, 1°N, 7°12'12"E, h10km, M3.6/6, MLV3.6/6, Minalhasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

ATH 03 13:59:30.8, 39°42'N, 26°20'E, h30km, ML2.7/8, Error ellipse: s-maj=1.4km s-min=0.6km az=253.0, DDA 03 13:59:30.2, 39°46'N, 26°25'E, h7km, 2km, ML3.2, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

NIED 03 14:09:00, 38°30'N, 143°90'E, h5km, Mw4.5 Best double couple: M6.03000x10^19 NPI3x27.00000°, 834.00000°, -1.20.00000°, NP2x241.00000°, 861.00000°, M-72.00000°

IDC 03 14:09:10.5±0.5, 38°24'N, 143°99'E, h0km, mb4.3/23, mb1.4/32, mb1mx4.3/48, mbtmp4.3/32, ML3.6/8, MS3.6/18, MS1.3.6/18, ms1mx3.4/38, Error ellipse: s-maj=15.8km s-min=11.4km az=139.0

ISCJB 03 14:09:12.3±1.0, 38°33'N, 143°91'E, h18km, 6km, mb4.6/134, MS3.9/19, Error ellipse: s-maj=4.7km s-min=3.1km az=165.4

MOS 03 14:09:12.1±0.9, 38°36'N, 143°93'E, h19km, mb4.9/32, Error ellipse: s-maj=7.3km s-min=4.9km az=102.3

JMA 03 14:09:13.6±0.2, 38°31'N, 143°92'E, h4km, M4.6, BUJ 03 14:09:14.4±0.0, 38°38'N, 143°92'E, h27km, mb4.6/58, mb4.7/30, Ms4.3/33, M67.4/132

NEIC 03 14:09:14.9±1.1, 38°25'N, 143°94'E, h27km, 8km, mb4.7/88, Error ellipse: s-maj=4.5km s-min=3.0km az=144.0

ISC 03 14:09:15.2±0.8, 38°29'N, 144°00'E, h13km, 4km, n255, t162/281, mb4.7/134, MS3.8/20, 9C-6D, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

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Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, etc.

YSS Yuzh-Sakhalins 8.71 354 ePn Pn 14 11 18.8 +0.8

YSS Yuzh-Sakhalins 8.71 354 eS Pn 14 11 19.1 +1.0

YSS Yuzh-Sakhalins 8.71 354 ePn Pn 14 12 53.5 -2.5

VLA VLA 10.38 302 i/P Pn 14 11 43.2 +2.2

MDJ MDJ 14.00 19.4 Pn 14 10 19.4

MDJ MDJ 14.00 01.9 +0.2 Pn 14 00 03.0 0.0

MDJ MDJ 14.00 05.9 +1.2 Pn 14 00 04.8 -0.4

MDJ MDJ 14.00 06.9 +0.4 Pn 14 00 06.6 -0.3

MDJ MDJ 14.00 09.7 +1.5 Pn 14 00 12.6 0.0

MDJ MDJ 14.00 12.6 -0.1 Pn 14 00 14.0 +1.0

MDJ MDJ 14.00 01.9 +0.2 Pn 14 00 03.0 0.0

MDJ MDJ 14.00 05.9 +1.2 Pn 14 00 04.8 -0.4

MDJ MDJ 14.00 06.9 +0.4 Pn 14 00 06.6 -0.3

MDJ MDJ 14.00 09.7 +1.5 Pn 14 00 12.6 0.0

MDJ MDJ 14.00 12.6 -0.1 Pn 14 00 14.0 +1.0

MDJ MDJ 14.00 01.9 +0.2 Pn 14 00 03.0 0.0

MDJ MDJ 14.00 05.9 +1.2 Pn 14 00 04.8 -0.4

MDJ MDJ 14.00 06.9 +0.4 Pn 14 00 06.6 -0.3

MDJ MDJ 14.00 09.7 +1.5 Pn 14 00 12.6 0.0

MDJ MDJ 14.00 12.6 -0.1 Pn 14 00 14.0 +1.0

LOMF	Lomont	0.35 275	Pg	Pb	14 13 58.9	+2.1
LOMF			Sg	Sb	14 14 04.6	+2.6
SBERN	Bern, Kleine S	0.38 170	Pg	Pb	14 13 58.7	+1.6
ROTHE	Rothenthal	0.42 68	Pg	Pg	14 13 59.0	+1.1
DAGMA	Luteralt, Dagm	0.47 101	Pg	Pg	14 13 59.0	+1.0
CHMF	Charmoille	0.47 262	Pg	Pg	14 13 59.0	+1.0
CHMF			Sg	Sb	14 14 07.5	+2.0
CHMF	Charmoille	0.47 262	Pg	Pg	14 14 08.0	+2.0
EMMET	Emmethof	0.47 75	Pg	Pg	14 13 59.7	+0.9
ENDD	Endenburg	0.48 34	ePg	Pg	14 13 59.8	+1.0
ENDD			Sg	Sb	14 14 06.8	+0.9
SCOU	Courmillens	0.49 199	Pg	Pg	14 14 00.7	+2.0
STAF	Tafers	0.52 189	Pg	Pg	14 14 01.2	+1.5
MOF	Molkenrain	0.55 345	Pg	Pb	14 14 01.8	+1.7
MOF	Molkenrain	0.55 345	Pg	Pb	14 14 01.8	+1.7
MOF			Sg	Sb	14 14 10.0	+2.4
MOF			Sg	Sb	14 14 10.6	+2.5
SULZ	Cheiseacher	0.56 68	ePg	Pb	14 14 01.2	+0.9
SULZ	Cheiseacher	0.56 68	ePg	Pg	14 14 01.2	+0.9
SULZ			eSg	Sb	14 14 09.0	+0.9
HINF	Hinteralfeld	0.60 327	ePg	Pg	14 14 02.2	+1.3
HINF	SNR=1.0		eSg	Sb	14 14 10.5	+1.6
TORNY	Torny/Romont	0.60 206	Pg	Pb	14 14 02.8	+1.8
TORNY			Sg	Sb	14 14 11.3	+2.0
TORNY	Torny/Romont	0.60 206	Pg	Pb	14 14 02.9	+1.8
ACHB	Acheberg	0.68 66	Pg	Pg	14 14 03.1	+1.7
WIMIS	Wimisis	0.68 163	Pg	Pb	14 14 03.6	+1.2
BRANT	Les Verrieres	0.70 237	Pg	Pg	14 14 04.5	+1.8
BRANT			Sg	Sb	14 14 14.7	+2.3
BRANT	Les Verrieres	0.70 237	Pg	Pg	14 14 04.6	+1.8
SLUB	Luzern, Bramber	0.71 111	Pg	Pb	14 14 03.9	+1.0
SINS	Interlaken, Sc	0.73 150	Pg	Pb	14 14 04.6	+1.4
KIZ	Kirchzarten	0.75 31	Pg	Pb	14 14 03.5	0.0
KIZ			Sg	Sb	14 14 13.8	+0.5
KIZ	Kirchzarten	0.75 31	Pg	Pb	14 14 03.5	0.0
KIZ			Pg	Pb	14 14 03.5	0.0
KIZ	Kirchzarten	0.75 31	Pg	Pb	14 14 03.5	0.0
SARK	Sarnen Kantons	0.75 124	Pg	Pb	14 14 04.8	+1.3
FBB	Freiburg im Br	0.77 27	Pn	Pb	14 14 03.9	+0.1
FBB			Sg	Sb	14 14 13.9	+0.1
FBB			Sg	Sb	14 14 15.1	+0.7
EWZT2	Wetzswil, ZR	0.79 88	Pg	Pb	14 14 04.4	+0.5
HASLI	Hasliberg/Brie	0.79 135	Pg	Pb	14 14 05.2	+0.9
ZUR	Degenried	0.85 86	Pn	Pb	14 14 05.5	+0.3
BNALP	Bannalp	0.87 121	S	Sb	14 14 17.2	+0.3
BNALP	Bannalp	0.87 121	S	Sb	14 14 02.6	+0.6
BNALP			S	Sb	14 14 17.2	+0.3
BNALP	comp=E,2105um,0.4s		AML	AML		
BNALP	comp=N,1555um,0.4s		AML	AML		
BNALP	comp=E,2105um,0.4s		AML	AML		
BNALP	comp=N,1555um,0.4s		AML	AML		
BNALP	comp=E,2105um,0.4s		AML	AML		
BNALP	comp=N,1555um,0.4s		AML	AML		
FLACH	Flach	0.87 73	Pg	Pb	14 14 05.6	0.0
SLE	Schleiheim	0.90 60	Pg	Pb	14 14 05.6	-0.4
SLE	Schleiheim	0.90 60	ePn	Pb	14 14 05.7	-0.4
SLE	Schleiheim	0.90 60	ePn	Pb	14 14 05.7	-0.4
SLE			Pg	Pg	14 14 06.9	+0.2
SLE			Sg	Sb	14 14 18.3	+0.6
ECH	Echery	0.90 352	Pg	Pb	14 14 06.3	+0.1
ECH	Echery	0.90 352	ePn	Pb	14 14 06.3	+0.1
ECH	Echery	0.90 352	ePn	Pb	14 14 06.3	+0.1
ECH			ePg	Pg	14 14 07.6	+0.8
ECH			Sg	Sb	14 14 17.6	-0.3
ECH			eSg	Sb	14 14 19.5	+0.8
STIEG	Stiegenhof Hun	0.91 78	Pg	Pb	14 14 07.0	-0.1
LAUCH	Lauchernalp	0.95 162	Pg	Pb	14 14 07.7	+0.6
LKBD	Leukerbad 2	0.95 168	Pg	Pb	14 14 07.7	+0.6
MUO	Muotathal	0.95 111	Pn	Pb	14 14 07.5	+0.4
HAU	Haudcompre	0.96 316	ePg	Pb	14 14 08.3	+1.2
HAU	SNR=1.0		eSg	Sb	14 14 18.3	-1.1
HAU			eSg	Sb	14 14 21.6	+1.2
HAU	comp=N,464nm,0.2s,SNR=1.0		eSg	Sb	14 14 07.8	+0.6
SENIN	Lac Senin/Sane	0.96 182	Pn	Pb	14 14 06.8	-0.4
TRULL	Truellikon	0.97 70	Pn	Pb	14 14 06.8	-0.4
LKBD2	Leukerbad 2	0.97 167	Pn	Pb	14 14 08.4	+0.4
GRIMS	Grimsel Gerste	1.00 138	Pn	Pb	14 14 08.4	+0.4
AIGLE	Aigle	1.01 195	Pn	Pb	14 14 08.1	0.0
FIESA	Fiescheralp	1.03 149	Pn	Pb	14 14 09.0	+0.5
WILA	Wila	1.07 84	Pn	Pb	14 14 08.7	-0.3
WILA	Wila	1.07 84	ePn	Pb	14 14 08.9	-0.3
WILA			ePg	Pb	14 14 10.2	+1.1
WILA			eSg	Sb	14 14 23.9	+1.2
GIMEL	St. Georges /	1.08 223	Pg	Pb	14 14 09.5	+0.4
GIMEL			Sg	Sb	14 14 24.7	+1.8
GIMEL	St. Georges /	1.08 223	P	Pb	14 14 09.5	+0.4
GIMEL	St. Georges /	1.08 223	P	Pb	14 14 09.5	+0.4
GIMEL			S	Sb	14 14 24.2	+1.4
GIMEL			AML	AML		
GIMEL	comp=E,1315um,0.2s		AML	AML		
GIMEL	comp=N,1510um,0.2s		AML	AML		
GIMEL	comp=E,1315um,0.2s		AML	AML		
GIMEL	comp=N,1510um,0.2s		AML	AML		
GIMEL	comp=N,1510um,0.2s		AML	AML		
GIMEL	comp=N,1510um,0.2s		AML	AML		
GIMEL	comp=E,1315um,0.2s	1.08 223	P	Pb	14 14 09.5	+0.4
GIMEL	St. Georges /	1.08 223	ePn	Pb	14 14 08.8	-0.7
CDF	Champ du Feu	1.09 358	ePg	Pb	14 14 10.5	+1.0
CDF	SNR=1.0		eSg	Sb	14 14 24.3	+0.9
WLS	Welschbruch	1.09 1	Pg	Pb	14 14 08.9	-0.5
WLS			Sg	Sb	14 14 23.2	-0.2
WLS	Welschbruch	1.09 1	ePn	Pb	14 14 08.9	-0.5
STEIN	Stein am Rhein	1.09 71	Pn	Pb	14 14 08.8	-0.7
CABP	La Chapelle	1.11 231	ePg	Pb	14 14 11.9	+2.1
CABP	SNR=1.0		eSg	Sb	14 14 23.1	-0.8
CABP			eSg	Sb	14 14 26.3	+1.7
CABP	comp=E,260nm,0.2s,SNR=1.0		eSg	Sb	14 14 10.4	+0.5
VANNI	Vissoie, Val d	1.12 171	Pn	Pn	14 14 09.6	-0.5
WEIN	Weingarten	1.14 79	Pn	Pn	14 14 09.6	-0.5
EMBD	Embd, Matterta	1.16 163	Pn	Pn	14 14 10.8	+0.4
EMBD			Pg	Pg	14 14 12.1	+1.6
EMBD			Sg	Sb	14 14 26.9	+1.8
EMBD	Embd, Matterta	1.16 163	Pn	Pn	14 14 10.7	+0.4
SISB	Singen-Schiene	1.16 71	Pn	Pn	14 14 09.8	-0.8
SISB			Pg	Pb	14 14 11.5	+1.0
SIMPL	Simplonpass	1.18 156	Pn	Pn	14 14 11.1	+0.3
BFO	Black Forest	1.21 33	Pn	Pn	14 14 09.6	-1.4
BFO			ePn	Pb	14 14 13.0	+1.5
BFO			eSg	Sb	14 14 24.4	-2.3
BFO			eSg	Sb	14 14 27.5	+0.6
DIX	Grande Dixence	1.24 178	Pn	Pn	14 14 12.1	+0.5
DIX	Grande Dixence	1.24 178	P	Pn	14 14 12.1	+0.5
DIX			AML	AML		
DIX	comp=E,608um,0.4s		AML	AML		
DIX	comp=N,378um,0.4s		AML	AML		
DIX	comp=E,608um,0.4s		AML	AML		
DIX	comp=N,378um,0.4s		AML	AML		
DIX	comp=E,608um,0.4s		AML	AML		
DIX	comp=N,378um,0.4s		AML	AML		
FUSIO	Fusio	1.25 133	Pn	Pn	14 14 11.9	+0.2
FUSIO		1.25 133	P	Pn	14 14 11.9	+0.2
FUSIO			S	Sb	14 14 26.8	-1.2
FUSIO	comp=E,475um,0.3s		AML	AML		
FUSIO	comp=N,520um,0.4s		AML	AML		
FUSIO	comp=E,475um,0.4s		AML	AML		

FUSIO	comp=N,520um,0.4s		AML	AML		
FUSIO			AML	AML		
FUSIO	comp=N,520um,0.4s		AML	AML		
FUSIO	comp=E,475um,0.4s		AML	AML		
OPP	Oppenau	1.31 26	Pn	Pn	14 14 11.0	-1.4
OPP		1.31 26	Pn	Pn	14 14 11.0	-1.4
OPP			Sg	Sb	14 14 26.7	-2.7
OPP			Sg	Sb	14 14 31.1	+1.6
PANIX	Pigniu (Panix)	1.31 112	Pn	Pn	14 14 12.9	+0.4
PANIX			Pn	Pn	14 14 12.9	+0.4
SGT02	Zihlschlacht	1.31 81	Pn	Pn	14 14 12.0	-0.4
MMK	Mattmark	1.34 161	Pn	Pn	14 14 13.7	+0.7
MMK	Mattmark	1.34 161	P	Pn	14 14 13.7	+0.7
MMK			AML	AML		
MMK	comp=E,101um,0.5s		AML	AML		
MMK	comp=N,122um,0.7s		AML	AML		
MMK	comp=E,101um,0.5s		AML	AML		
MMK	comp=N,122um,0.7s		AML	AML		
MMK	comp=E,101um,0.5s		AML	AML		
MMK	comp=N,122um,0.7s		AML	AML		
SGT00	Sennhilsen	1.34 85	Pn	Pn	14 14 12.6	-0.2
SGT04	Schlatt-Haslen	1.37 98	Pn	Pn	14 14 12.0	0.0
OG02	Mottener-Morn	1.40 214	Pn	Pn	14 14 14.0	+0.4
GUT	Gutenstein	1.42 57	Pn	Pn	14 14 12.5	-1.4
GUT	Gutenstein	1.42 57	Pn	Pn	14 14 12.4	-1.4
GUT			Pg	Pb	14 14 16.3	+1.3
GUT			Sg	Sb	14 14 33.9	+1.3
PLONS	Plons/SG	1.42 100	Pn	Pn	14 14 14.1	+0.2
PLONS	Plons/SG	1.42 100	ePn	Pb	14 14 14.2	+0.2
PLONS			ePg	Pb	14 14 16.3	+1.3
PLONS			eSg	Sb	14 14 30.2	-2.0
PLONS			eSg	Sb	14 14 34.2	+1.5
PLONS	Plons/SG	1.42 100	P	Pn	14 14 14.1	+0.2
PLONS	comp=E,304um,1.4s		AML	AML		
PLONS	comp=N,325um,0.6s		AML	AML		
PLONS	comp=E,304um,1.4s		AML	AML		
PLONS	comp=N,325um,0.6s		AML	AML		
PLONS	comp=N,325um,0.6s		AML	AML		
PLONS	comp=N,325um,0.6s		AML	AML		
LIENZ	Kamor/St.Gall	1.47 90	Pn	Pn	14 14 14.7	0.0
LIENZ	Kamor/St.Gall	1.47 90	Pn	Pn	14 14 14.7	0.0
REMY	Saint-Rhmy-en	1.49 185	P	Pn	14 14 15.5	+0.5
REMY	Saint-Rhmy-en	1.49 185	Pn	Pn	14 14 15.5	+0.5
REMY	Saint-Rhmy-en	1.49 185	P	Pn	14 14 15.5	+0.5
REMY			AML	AML		
REMY	comp=E,448um,0.8s		AML	AML		
REMY	comp=N,702um,1.0s		AML	AML		
REMY	comp=E,448um,0.8s		AML	AML		
REMY	comp=N,702um,1.0s		AML	AML		
REMY	comp=E,448um,0.8s		AML	AML		
REMY	comp=N,702um,1.0s		AML	AML		
SATI	Passo dei Sala	1.49 166	P	Pn	14 14 15.9	+0.8
SATI			AML	AML		
SATI	comp=E,202um,0.6s		AML	AML		
SATI	comp=N,172um,0.5s		AML	AML		
SATI	comp=E,202um,0.6s		AML	AML		
SATI	comp=N,172um,0.5s		AML	AML		
SATI	comp=E,202um,0.6s		AML	AML		
SATI	comp=N,172um,0.5s		AML	AML		
MRGE	Morge	1.56 187	P	Pn	14 14 16.4	+0.4
MRGE			AML	AML		
MRGE	comp=E,550um,0.2s		AML	AML		
MRGE	comp=N,352um,0.3s		AML	AML		
MRGE	comp=E,550um,0.2s		AML	AML		
MRGE	comp=N,352um,0.3s		AML	AML		
MRGE	comp=N,352um,0.3s		AML	AML		
MRGE	comp=N,352um,0.3s		AML	AML		

3d 15h

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like SHOS, GSC, GSC, GSC, CIS, BFSC, JLU, SHPR, KWP, KWP, KWP, BUR08, BURAR, BURAR, BIZ, BIZ, BIZ, MSU, MSU, VRI, VRI, PLO, PLO, PLO, KOLS, KOLS, KOLS, BRTR, BRTR, P17A, LCMT, PFO, MTPU, UZH, UZH, UZH, OJC, OJC, OJC, BELC, OZUR, KNB, TRPA, TRPA, SRU, SRU, K22A, K22A, NIE, MLR, MLR, ULM, ULM, ULM, BAR, MDND, MONP2, IRM, RWW, BC3, RSSD, RSSD, RSSD, IKP, SWSC, VOIR, VOIR, LANS, LANS, O20A, O20A, KSP, PDMCI, ARR, Y12C, Y12C, OSTC, MORC, MORC, MORC, MORC, DPC, DPC, DPC, DPC, PV21, PSZ.

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Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like PSZ, PSZ, PSZ, PSZ, PSZ, PV10, PV14, VYHS, VYHS, VYHS, PV20, PV19, RAYN, RAYN, RAYN, PV17, PV16, AGMN, AGMN, N23A, N23A, PHWY, PV05, PV18, PV03, JAVC, PV02, SIRR, SIRR, BRG, BRG, BRG, PVCC, PVCC, PVCC, Y14A, CLL, CLL, CLL, CLL, GZR, GZR, WUAZ, WUAZ, WUAZ, VRAC, KRUC, AMBH, SMCO, PRU, PRU, PRU, PRU, BZS, BZS, MODS, MODS, MODS, MODS, ISCO, ISCO, ISCO, MDCV, MDCV, MDCV, MDCV, NKC, NKC, NKC, NKC, SOP, S22A, S22A, CONA, MORH, MORH, MORH, KHC, KHC, KHC, KHC, GERE, GERE, GERE, VTS, VTS, VTS, VTS, EYMN, EYMN, EYMN, ARSA.

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Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Uncertainty, Elevation Uncertainty, SNR, and other parameters. Includes stations like BEHE, SDCO, SDCO, MOA, TUC, TUC, TUC, TUC, SOKA, ECSD, ECSD, E38A, E38A, C40A, C40A, C40A, KBA, T25A, T25A, PMOR, F38A, MYKA, TASM, TASM, ANMO, ANMO, ANMO, ANMO, ANMO, BGNE, WATA, WTTA, ABTA, PPT, F39A, PPT2, MOTA, D41A, D41A, PDG, RETA, TIAR, SQTA, F40A, G39A, BFO, FETA, DAVA, G40A, G40A, CBKS, ECH, ECH, FUORN, MEH, E43A, E43A, TAOE, TUE, D46A, D47A, KSU1, E46A, E46A, I42A, I42A, F45A, H43A, H43A, MNTX, MNTX, MSTX, AMTX, AMTX, D48A, E47A, LSQQ, D49A, D49A, GDL2, L40A, L40A, CHGO, E48A, E48A, VLDQ, F48A, F48A, N40A, L42A.

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3d 15h					
MW	Mawson	71.99 201	eP	P	15 20 19.7 +0.4
MW	comp=Z,8.0nm,1.5s		pmax	pmax	
GO	Punta Arenas	75.24 143	eP	P	15 20 40.5 +1.8
YO10	comp=Z,2.0nm,1.1s				
SYO	Syowa Base	76.78 193	iP	P	15 20 45.8 -1.4
SYO	Syowa Base	76.78 193	iP	PcP	15 20 57.0 -1.3
SYO	Syowa Base	76.78 193	eP	pP	15 21 04.2 +4.3
SYO	Syowa Base	76.78 193	eP	sP	15 21 12.0 +7.1
MSDI	Maura Dua	77.82 178	P	P	15 20 47.6 -3.1
SNA	Sanae	77.82 178	P	P	15 20 53.3 +0.5
SNA	Sanae	77.82 178	P	P	15 20 53.3 +0.3
SNA	comp=Z,54nm,1.1s				
SNA	Sanae	77.82 178	iP	P	15 20 53.5 +0.5
VNA3	Neumayer Olymp	77.97 176	P	P	15 20 54.3 +0.5
MJAR	Matsushiro Arr	78.52 325	P	P	15 20 58.2 +0.9
MJAR	comp=Z,2.0nm,0.8s,baz=164,slow=5.9,SNR=3.4				15 50 10.2
MAJO	comp=Z,1.71nm,21.9s,baz=125,slow=32				15 20 58.2 +1.0
MAJO	Matsushiro	78.52 325	eP	P	15 20 58.2 +1.0
VNA1	Neumayer-Stat	78.63 177	P	P	15 20 58.3 +0.9
TPUB	Ta-pu	79.37 305	eP	P	15 21 01.4 -2.4
SSLB	comp=Z,1.7nm,0.8s				15 21 01.4 -2.9
SSLB	Suangleung	79.75 305	eP	P	15 21 01.4 -2.9
MYKOM	comp=Z,1.1nm,0.9s				15 21 08.2 -1.6
PLCA	Paso Flores	82.28 133	P	P	15 21 18.2 +0.5
PLCA	comp=Z,24nm,1.1s,baz=240,slow=6.8,SNR=14.1				15 49 13.5
PLCA	comp=Z,348nm,20.7s,baz=244,slow=29				15 21 19.2 +1.4
PLCA	Paso Flores	82.28 133	eP	P	15 21 19.2 +1.4
PLCA	comp=Z,24nm,1.0s				15 21 19.5 +1.8
KSRS	Paso Flores	82.28 133	eP	P	15 21 19.5 +1.8
KSRS	Koro Array	84.60 320	P	P	15 21 28.9 -0.0
KSRS	comp=Z,1.5nm,0.8s,baz=136,slow=5.0,SNR=6.2				15 56 43.7
KSRS	comp=Z,1.10nm,19.6s,baz=144,slow=34				15 56 43.7
KS15	Wonju Array Si	84.61 320	eP	P	15 21 28.9 -0.4
KSAR	Wonju Array Be	84.61 320	P	P	15 21 28.9 -0.4
KSAR	Wonju Array Ar	84.61 320	P	P	15 21 29.0 +0.0
YSS	Yuzh-Sakhalins	85.05 334	eP	P	15 21 31.0 +0.3
YSS	Yuzh-Sakhalins	85.05 334	eP	P	15 21 34.4 +3.1
YSS					15 21 47.7
PKM	comp=Z,2.0nm,1.0s				15 21 34.3 +1.6
PKM	Nicherson Peak	85.21 45	P	P	15 21 34.3 +1.6
PAGB	Antelope Grade	85.52 44	eP	P	15 21 34.9 +0.9
SAO	comp=Z,7.0nm,1.7s				15 21 34.3 +0.3
SAO	San Andreas Ge	85.53 42	eP	P	15 21 34.3 +0.3
SAO	San Andreas Ge	85.53 42	eP	Pmax	15 21 34.3 +0.3
MWC	comp=Z,2.1nm,1.1s				15 21 36.0 +0.2
MWC	Mount Wilson	85.84 46	eP	P	15 21 36.0 +0.2
MWC	Mount Wilson	85.84 46	eP	Pmax	15 21 36.0 +0.2
MURC	comp=Z,35nm,1.4s				15 21 37.7 +1.4
MURC	Murrieta	85.97 47	P	P	15 21 37.7 +1.4
MONP2	Monument Peak	86.00 48	P	P	15 21 37.6 +0.9
IKP	In-Ko-Pah, Jac	86.04 48	P	P	15 21 37.6 +0.9
BFSC	Mount Baldy Ra	86.10 46	P	P	15 21 38.4 +1.3
PEA0B	Petropavlovsk-	86.14 346	eP	P	15 21 36.4 -0.2
PETK	comp=Z,2.2nm,1.1s				15 21 36.5 -0.1
PETK	Petropavlovsk-	86.14 346	P	P	15 21 36.5 -0.1
PETK	comp=Z,2.9nm,0.8s,baz=108,slow=7.2,SNR=19				15 56 46.8
VES	comp=Z,1.96nm,18.8s,baz=169,slow=33				15 21 39.1 +1.3
VEDW2	Edwards Air Fo	86.32 46	P	P	15 21 38.8 +0.7
SWSC	Sam W. Stewart	86.43 48	P	P	15 21 40.0 +1.5
PFO	Pinyon Flats O	86.44 47	iP	P	15 21 40.6 +1.9
PFO	Pinyon Flats O	86.44 47	P	P	15 21 39.5 +0.7
NJ2	Nanjing	86.46 311	eP	Pmax	15 21 38.8 +0.1
PEL	comp=Z,10.0nm,0.5s				15 21 40.1 +1.1
PEL	Peidehue	86.46 127	eP	sP	15 21 57.5 +0.8
PEL	Peidehue	86.46 127	eP	sP	15 21 40.1 +1.1
ISA	Isabella, Lake	86.54 45	eP	sP	15 21 39.8 +0.7
ISA	Isabella, Lake	86.54 45	eP	sP	15 21 57.0 +0.1
ISA	Isabella, Lake	86.54 45	eP	sP	15 21 39.8 +0.7
ISA	Isabella, Lake	86.54 45	eP	sP	15 21 57.0 +0.1
ISA	Isabella, Lake	86.54 45	P	P	15 21 40.1 +1.0
LRMC	Laurel Mtn Rad	86.50 45	P	P	15 21 42.4 +1.4
BELC	Belle Mtn. Jos	86.98 47	P	P	15 21 43.1 +1.6
CMB	Columbia Colle	87.02 42	eP	sP	15 21 41.9 +0.5
CMB	Columbia Colle	87.02 42	eP	sP	15 21 59.2 +0.1
CMB	Columbia Colle	87.02 42	eP	sP	15 21 41.9 +0.5
BC3	Big Chuckawall	87.11 48	P	P	15 21 43.9 +1.9
GLA	Glamis	87.12 49	eP	P	15 21 42.7 +0.7
GLA	Glamis	87.12 49	eP	sP	15 22 08.9 +1.0
GLA	Glamis	87.12 49	eP	sP	15 21 42.7 +0.7
GLA	Glamis	87.12 49	P	P	15 22 00.8 +1.0
GLA	Glamis	87.12 49	P	P	15 21 43.5 +1.5
O02D	Mt. Diablo Mer	87.16 39	P	P	15 21 43.7 +1.6
WUC	Cottonwood Cre	87.30 44	P	P	15 21 44.1 +1.2
HEC	Hector,Ludlow	87.31 46	P	P	15 21 43.8 +0.9
AFDM	Forest Hills D	87.31 41	eP	P	15 21 43.5 +0.7
GSC	Goldstone, Bar	87.33 46	eP	P	15 21 43.1 +0.1
GSC	Goldstone, Bar	87.33 46	eP	P	15 21 43.1 +0.1
GSC	comp=Z,30nm,1.1s				15 21 44.3 +1.3
GSC	Goldstone, Bar	87.33 46	P	P	15 21 44.3 +1.3
MPMC	Manual Prospec	87.40 45	P	P	15 21 44.7 +1.2
USRK	Ussuriysk Ar.	87.44 327	P	P	15 21 43.0 -0.1
USRK	comp=Z,8.0nm,1.0s,baz=151,slow=4.4,SNR=7.0				15 56 49.4
OMMB	Old Mammoth Mi	87.54 43	eP	P	15 21 43.8 -0.4
WDC	Whiskeytown Da	87.58 39	eP	P	15 21 43.4 -0.6
WDC	comp=Z,36nm,1.3s				15 21 43.4 -0.6
WDC	Whiskeytown Da	87.58 39	eP	Pmax	15 21 43.4 -0.6
IRM	Iron Mountain	87.63 48	P	P	15 21 46.0 +1.6
113A	Mohawk Valley,	87.63 49	P	P	15 21 44.9 +0.5
GMRC	Granite Mounta	87.70 47	P	P	15 21 46.1 +1.2
214A	Organ Pipe Nat	87.76 51	P	P	15 21 46.5 +1.4
Y12C	Blythe	87.76 48	eP	P	15 21 46.1 +1.1
Y12C	comp=Z,34nm,1.4s				15 21 47.0 +2.0
Y12C	Blythe	87.76 48	P	P	15 21 47.0 +2.0
N02D	Trinity Center	87.77 39	P	P	15 21 46.1 +1.2
O03E	Paynes Creek	87.78 40	P	P	15 21 45.4 +0.3
WAKR	Walker	87.88 42	eP	P	15 21 46.2 +0.5
TUQ	Turquoise Moun	87.96 46	P	P	15 21 47.4 +1.3
M02C	Callahan	87.99 38	P	P	15 21 47.0 +1.0
FURC	Furnace Creek,	88.05 45	P	P	15 21 47.7 +1.5

GRAC	Grapevine Rang	88.10 44	P	P	15 21 47.8 +1.3
PNTR	Pine Nut	88.19 42	eP	P	15 21 47.4 +0.2
LDFC	comp=Z,2.1nm,1.1s				15 21 47.9 +0.5
LDFC	Landair	88.24 47	eP	P	15 21 47.9 +0.5
BEKR	Beckworth	88.29 41	eP	P	15 21 47.7 +0.1
YBH	comp=Z,1.1nm,1.1s				15 21 48.2 +0.7
YBH	Yreka Blue Hor	88.30 38	eP	P	15 22 04.0 -0.3
YBH	Yreka Blue Hor	88.30 38	eP	pP	15 21 48.2 +0.7
YBH	Yreka Blue Hor	88.30 38	eP	pP	15 22 04.0 -0.3
YERR	Yerington	88.32 42	eP	P	15 21 47.9 +0.1
NEE2	comp=Z,1.7nm,1.1s				15 21 49.9 +2.1
NEE2	Needles Airpor	88.35 47	P	P	15 21 49.9 +2.1
PDMC1	Parker Dam,Lak	88.36 48	P	P	15 21 49.6 +1.8
TYV	Tymovskoe	88.36 336	eP	Pmax	15 21 50.8 +3.4
TYV	comp=Z,400nm,7.5s				15 50 10.2
TYV					15 50 10.2
NV01	comp=Z,1.2nm,1.0s				15 21 49.6 +1.0
NVAR	Nyana Arr Sit	88.49 43	eP	P	15 21 49.6 +1.0
NVAR	Mina Array Bea	88.49 43	eP	P	15 21 49.6 +1.0
NVAR	comp=Z,5.3nm,0.8s,baz=222,slow=8.0,SNR=29				15 58 18.9
RNV	comp=Z,308nm,18.0s,baz=254,slow=33				15 21 48.3 -0.2
RNV	Ryan	88.50 42	eP	P	15 21 48.3 -0.2
NV11	Mina Array Sit	88.58 43	eP	P	15 21 48.8 -0.1
PAHR	comp=Z,1.2nm,1.1s				15 21 49.6 0.0
PAHR	Pat Rah Range	88.73 41	eP	P	15 21 49.6 0.0
TPNV	comp=Z,1.5nm,1.1s				15 21 49.6 -0.2
TPNV	Topopah Spring	88.74 45	eP	P	15 21 49.6 -0.2
TPNV	Topopah Spring	88.74 45	eP	P	15 21 49.6 -0.2
TPNV	comp=Z,1.7nm,1.1s				15 21 50.9 +1.1
TPNV	Topopah Spring	88.74 45	P	P	15 21 50.9 +1.1
HUMO	Hull Mountain	88.79 37	eP	P	15 21 50.0 +0.3
LCO	comp=Z,7.3nm,1.9s				15 21 51.2 +0.7
LCO	Las Campanas	88.79 123	eP	sP	15 21 51.2 +0.7
LCO	Las Campanas	88.79 123	eP	sP	15 22 09.1 +0.9
M04C	Macdoel	88.80 38	P	P	15 21 51.0 +1.1
L04D	Klamath Falls	88.86 38	P	P	15 21 51.5 +1.3
Y14A	Wickenburg	88.86 49	eP	P	15 21 51.0 +0.7
KVN	comp=Z,2.3nm,1.0s				15 21 50.9 -0.2
KVN	Kaiserville	89.03 42	eP	P	15 21 50.9 -0.2
KVN	Kaiserville	89.03 42	eP	Pmax	15 21 50.9 -0.2
W13A	comp=Z,1.4nm,1.0s				15 21 50.9 -0.2
W13A	Hualapai Moun	89.03 48	eP	P	15 21 50.9 -0.2
SHPR	Sheep Range	89.12 46	eP	sP	15 21 52.1 +0.6
SHPR	Sheep Range	89.12 46	eP	sP	15 22 09.8 +0.5
DL2	Dalian	89.19 317	eP	Pmax	15 21 56.0 +4.4
DL2	comp=Z,1.8nm,1.2s				15 21 56.0 +4.4
DL2	comp=Z,420nm,5.6s				15 50 10.2

3d 15h

Table with columns: WHT, Lake Whitney, 146.32, 106, ePKPdf, PKPbc, 15 39 08.9, 0.0, etc.

GEN 03 15:26:52.5, 44.17N, 10.13E, h4km, ML1.8

ROM 03 15:26:51.9, 0.144169N, 0.007, 10.130E, 0.005, h8km, ML1.9, Error ellipse: s-maj=0.8km s-min=0.3km

Main table listing station names, coordinates, and various parameters for stations like EQUI, T0912, T0911, etc.

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Table with columns: MTCR, Monte La Croce, 0.64, 103, P, Pb, 15 27 05.4, 0.0, etc.

MAN 03 15:34:10.6, 7.26N, 124.82E, h9km, mb4.3, ML3.1, MS2.8, 2C-3D, Mindanao

Table listing station names and parameters for the MAN 03 15:34 event, including KCP, CTBH, MUSAN, etc.

NNC 03 15:44:37.9, 3.1, 37.71N, 71.73E, h137km, 5.7km, mb2.9, mpv3.6, 2C-3D, Error ellipse: s-maj=27.9km

Table listing station names and parameters for the NNC 03 15:44 event, including AAK, KK31, TKM2, etc.

MAN 03 15:54:36.7, 15.02N, 122.86E, h4km, mb4.4, ML3.2, MS3.0, 1C, Philippine Islands region

Table listing station names and parameters for the MAN 03 15:54 event, including POLP, GGP, BALP, etc.

WEL 03 15:58:49.2, 0.8, 33°S, 6°17'W, 15.1, h33km, M4.4/24, mb5.0/10, ML4.8/24, MLV4.6/24, Mw(mb)4.2/10, Error ellipse: s-maj=0.0km s-min=0.0km az=106.4, South of Kermadec Islands

Table listing station names and parameters for the WEL 03 15:58 event, including GLKZ, MXZ, WMGZ, etc.

BJI 03 15:59:41.1, 0.0, 1.95N, 127.40E, h105km, mb4.8/42, mb5.0/27

DJA 03 15:59:43.8, 1.0, 2°N, 3°12'7E, h21km, 9km, M4.8/14, mb5.2/6, mb4.8/13, MLV4.9/14, Mw(mb)4.6/6

ISCJCB 03 15:59:43.8, 0.3, 2.32N, 0.02E, 127.16E, 0.0, h104km, 3km, mb4.7/80, Error ellipse: s-maj=6.3km s-min=3.4km az=164.3

IDC 03 15:59:44.8, 1.9, 2°29'N, 127.19E, h95km, 18km, mb4.2/20, mb1.4/22, mb1mx4.1/36, mbtmp4.5/24, MS3.4/5, Ms1.3/4.5, ms1mx2.9/35, Error ellipse: s-maj=18.3km s-min=10.2km az=76.0

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MOS 03 15:59:44.2, 0.8, 2°36'N, 127.18E, h107km, mb4.9/32, Error ellipse: s-maj=12.1km s-min=6.6km az=109.1

NEIC 03 15:59:45.1, 0.6, 2°31'N, 127.19E, h101km, 5km, mb4.7/40, Error ellipse: s-maj=6.3km s-min=4.6km az=76.0

ISC 03 15:59:44.6, 0.6, 2.30N, 0.03E, 127.09E, 0.06, h97km, 5km, n175, 0.1859/197, mb4.7/80, 2C-3D, Northern Molucca Sea

Main table listing station names, coordinates, and various parameters for stations like TINTI, SANGHE, LABUHA, etc.

3d 17h

Table with columns: DBIC, TOAO, TORD, TOR, TOA1, STKA, ASAR, AS31, KEST, ESDC, KNB, MSU, PMV, ISA, TCUT, PDAR, HWUT, CMAR, ULM, NV11, NV01, NVAR, ELK, ELK, MOOV, FXWY, IMW, FLWY, YERR, LAO, BMN, FIAO, FINES, J80A, MSO, BMO, ABKAR, PINE, G05A, AR0A, ARCES, YKA, YK65, YK73, DIB, ZALV, ZALV, ZAA1, ZAA1, EPYK, DAWY, SONA, SONM, EGAK, DOT, SCRK, RIDG, PAX, SCM, KS15, KSAR, KSAR, KSRS, SEW, PRP, KNK, DHY, SML, HDA, ILAR, ILAR, ILB, COB, WRH, RND, MCK, BRF, KTH, EPAN, MLY, PPLA, COLD, PETK, PEAT

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Table with columns: HWA, EOS1, ENT, ENT, NDT, NDT, NNSB, NNSB, NNS, NNS, ILA, ILA, YHNB, YHNB, NTC, NTC, NTC, NSK, NSK, NSK, ESL, TWT, TWT, TDCB, TDCB, CHGB, CHGB, TIPB, TIPB, EGFW, TWA, TWA, TWT1, TATO, TATO, WLTB, WLTB, NWF, NWF, NWF, WFSB, WFSB, WHP, WHP, WHP, TAP, TAP, WVD, WVD, WVD, LIOB, LIOB, LIOB, NSTT, NSTT, NSTT, DPDB, DPDB, DPDB, HGSD, HGSD, YM01, YM01, TWS1, TWS1, NCU, NCU, NCU, YM10, YM10, EHY, EHY, SBCB, SBCB, YM08, YM08, HSN, HSN, SMLT, SMLT, SMLT, SSL, SSL, SSL, ANP, ANP, ANP, NTST, NTST, NTL, NTL, NTL, YML, YML, NSY, NSY, TWY, TWY, YULB, YULB, PTSB, PTSB, PTSB, JYNG, JYNG, JYNG, TWF1, TWF1, TCU, TCU, WHY, WHY, WDJ, WDJ, YOJ, YOJ, YOJ, YOJ, WJS, WJS, WNT, WNT

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Table with columns: YUS, ALS, CHKT, CHNS, CHNS, WKG, WKG, ELDT, WDLH, PCYT, RLNB, TPUB, WTCT, CHY, WTP, TWK, TWK, TWF, WSF, WLBG, SNST, TWG, TWGT, CHN1, SGST, SGST, IRIF, IRIF, CHN8, ECL, SSD, MASB, JKRS, JKRS, EAST, TAW, TAW, JJJ, JJJ, PNH, PNH, PHUB, PHUB, SCZT, SCZT, WDG, WDG, WDG, JISG, JISG, PTMZ, PTMZ, KNMB, KNMB, AXPD, AXPD, ZPLA, ZPLA

ISC/JB 03 17:13:23.70-8.47:56N-0.06:92.41W-0.07, h0km, Error ellipse: s-maj=8.8km s-min=6.2km az=157.8

NEIC 03 17:13:24.3-0.6, 47:53N-92.41W, h0km, MN1.9, Error ellipse: s-maj=8.3km s-min=6.8km az=33.0, Suspected Mining explosion.

NEIC 10 km [6 miles] E of Virginia. IDC 03 17:13:26.0-4.0, 47:53N-92.60W, h0km, mb1 2.6/1, mb1mx2.6/30, mb1mp2.6/1, ML0.9/1, Error ellipse: s-maj=78.7km s-min=27.7km az=53.0

ISC 03 17:13:23.1-1.1, 47:55N-92.44W, h0km, n11, c148/12, Minnesota

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

MEX 03 17:15:35.2-0.5, 16:62N-99:42W, h10km, 6km, MD4.0, Near coast of Guerrero

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

MAN 03 17:21:11.4, 9:36N-124:39E, h18km, mb4.0, ML2.8, MS2.3, 1C, Mindanao

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

RNSC 03 17:34:27.5:1.2,6.77N-73.15W,h142km,7km,ML1,8,4D,

Northern Colombia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BARC Barichara, GIRC Giron, BRRC Barranca, PAMC Pampiona, RUSC La Rusia, PTBC PUERTO BERRIO, ZARC Zaragoza, etc.

ISCJB 03 17:46:22.3:0.4,36.25N,0.03:69.68E,0.04,h150km, Error ellipse: s-maj=5.7km s-min=3.6km az=136.8, IDC 03 17:46:25.2:5.9,36.53N:69.59E,h130km,44km,mb3.8/1, mb1 3.5/7,mb1mx3.1/53,mbtp4.0/7, Error ellipse: s-maj=73.7km s-min=18.4km az=158.0, NNC 03 17:46:27.7:1.9,36.68N:69.46E,h133km,32km,mb3.5, mpv4.2 Error ellipse: s-maj=19.1km s-min=8.1km az=157.0

ISC 03 17:46:23.1:0.8,36.35N,0.06:69.64E,0.06,h150km,n38, #2503/44,6C-3D,Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like THN Thein Dam, KK31 Karatay Array, DHRM DHARAMSHALA, UCH Uchtor, EKS2 Erkin-Say, KZA Kyzart, AAK Ala-Archa, KBK Karagaybulak, CHMS Chumysh, USP Oskpenovka, TKM2 Tokmak 2, SMLA Simla, GEYT Alibeck, GYA0B ALIBECK ARRAY, KUDL KUDL, JOSI Joshimath, MK31 Makanchi Array, MKAR Makanchi Array, AB31 Akbulak array, GKN Gorkha, KURBB Kurchatov Arra, DMN Daman, KURK Kurchatov, KKN Kakani, PKNI Pulchoki, GUN Gumba, AKTO Aktyubinsk, AKTO AKTO.

JIRN Jiri 16.48 117 eP P 17 50 05.9 -0.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BVA0 Borovoye Array, BVAR Borovoye Array, ZALV Zalesovo Beam.

SOME 03 17:50:03.5,43.67N-84.32E,h10km

NNC 03 17:50:05.5:1.4,43.77N:84.19E,h16km,7km,mb3.8, mpv3.5 Error ellipse: s-maj=11.4km s-min=4.7km az=131.0

ISC 03 17:50:05.5:1.9,43.80N:0.08:84.17E,0.08,h10km,n20, #2509/30,1C-2D,Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KTMS Ketmen, DJR Jarkeit, MK31 Makanchi Array, PDGK Podgornoye, ZSN Zaisan, KAPS Kapalarasan, UZB Uzynbulak, KPKS Kokpek, MNBS Baschi, SATY Saty, TDK Taldyqorghan, TDK TDK.

SKHL 03 17:57:30.4:0.1,42.94N:147.07E,h40km,mb3.5/3

ISCJB 03 17:57:32.7:1.2,44.25N:0.08:145.63E,0.08, h152km,10km, Error ellipse: s-maj=14.2km s-min=7.1km az=150.8

JMA 03 17:57:32.4:0.2,44.30N:145.68E,h154km,2km,M2.8

ISC 03 17:57:33.6:2.1,44.26N:0.08:145.64E,0.06, h149km,15km,n17, #0966/25,Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YUK Yuzh-Kuril'sk, GRPR Tuman, JRA Rausu, JNSB Nemuroshibetsu, NEM2 Nemuro 2, JNK Nakashi, JKHN Kashirohamaanak, JTKR Abashiri-Toko, JAK Abashiri-Toko, JAR Ashorobuto, JMP Maruseppu, KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, JKB Kamakawa 2, JJK2 Kamakawa 2, ASHAKI Asahikawa, JSE Soyaya, JCH Churui.

PRU 03 17:59:01.9:0.0,43.35N:12.01E,h0km

ROM 03 17:59:07.6:0.1,43.43N:0.003:13.126E,0.005, h9km,ML3.3/56, Error ellipse: s-maj=0.4km s-min=0.2km az=61.0

ISCJB 03 17:59:08.2:0.2,43.41N:0.02:13.06E,0.02,h21km,2km, Error ellipse: s-maj=2.8km s-min=2.1km az=19.5

LDG 03 17:59:09.1:0.1,43.40N:13.14E,h2km,M2.7/22, Error ellipse: s-maj=3.5km s-min=2.9km az=34.0

ISC 03 17:59:07.8:0.8,43.41N:0.02:13.10E,0.02,h12km,4km, n115, #1564/160,Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CING Cingoli, MMUR Monte Marone, ARVD Arcevia, MTL1 Matelica, GAG1 Gagliole, SNTG Esanatoglia, CRMI1 Catelraimondo, MDAR Monte D'Aria.

COR1 COR1	Corinaldo comp=E,21500µm,0.9s	0.23 342	P AML	Pg AML	17 59 13.2 +0.4	ATFO ATFO	comp=N,14000µm,0.6s comp=E,7295µm,0.5s	AML AML	AML AML		BADI BADI	comp=N,3770µm,0.4s comp=E,1800µm,1.3s	AML AML	AML AML			
COR1	comp=N,16050µm,1.5s		AML	AML		AOI AOI	Ancona comp=E,8210µm,0.5s	0.39 69	P AML	Pg AML	17 59 15.4 -0.3	BADI	comp=N,3770µm,0.4s	AML	AML		
COR1	comp=N,14565µm,0.3s		AML	AML		AOI	comp=N,7600µm,0.4s		AML	AML		BADI	comp=N,3770µm,0.4s	AML	AML		
COR1	comp=E,21450µm,0.9s		AML	AML		AOI	comp=E,8205µm,0.5s		AML	AML		BADI	comp=N,1800µm,1.3s	AML	AML		
COR1	comp=N,16000µm,1.5s		AML	AML		AOI	comp=N,7600µm,0.4s		AML	AML		CDCA CDCA	Citt' di Caste comp=E,1360µm,0.7s	0.63 275	P AML	Pg AML	17 59 20.5 +0.4
COR1	comp=E,11200µm,0.9s		AML	AML		AOI	comp=E,8205µm,0.5s		AML	AML		CDCA	comp=N,1540µm,1.6s		AML	AML	
COR1	comp=N,14535µm,0.3s		AML	AML		CESI CESI	CESI - Serrava comp=N,7600µm,0.4s	0.43 199	P S	Pg Sb	17 59 17.0 +0.7 17 59 24.8 +1.0	CDCA	comp=E,3515µm,0.8s		AML	AML	
COR1	comp=E,21450µm,0.9s		AML	AML		CESI	comp=E,1910µm,0.4s		AML	AML		CDCA	comp=N,4340µm,0.9s		AML	AML	
COR1	comp=N,16000µm,1.5s		AML	AML		CESI	comp=N,2380µm,0.4s		AML	AML		CDCA	comp=E,1365µm,0.7s		AML	AML	
COR1	comp=E,11250µm,0.9s		AML	AML		CESI	comp=E,1910µm,0.4s		AML	AML		CDCA	comp=N,1577µm,1.6s		AML	AML	
COR1	comp=N,14550µm,0.3s		AML	AML		CESI	comp=N,2380µm,0.4s		AML	AML		CDCA	comp=N,4340µm,0.9s		AML	AML	
COR1	comp=E,21450µm,0.9s		AML	AML		CESI	comp=E,1910µm,0.4s		AML	AML		CDCA	comp=E,1365µm,0.7s		AML	AML	
COR1	comp=N,16000µm,1.5s		AML	AML		PIEI PIEI	Pieia comp=N,2380µm,0.4s	0.43 287	P S	Pg Sb	17 59 16.4 0.0 17 59 23.6 -0.2	CDCA	comp=N,1577µm,1.6s		AML	AML	
COR1	comp=E,11250µm,0.9s		AML	AML		PIEI	comp=E,4665µm,0.1s		AML	AML		PARC PARC	Parchiule comp=E,1047µm,0.3s	0.67 291	P AML	Pg AML	17 59 20.8 0.0
COR1	comp=N,14550µm,0.3s		AML	AML		PIEI	comp=N,2390µm,0.5s		AML	AML		PARC	comp=N,909µm,0.3s		AML	AML	
COR1	comp=E,21450µm,0.9s		AML	AML		PIEI	comp=E,4665µm,0.1s		AML	AML		PARC	comp=E,1047µm,0.3s		AML	AML	
COR1	comp=N,16000µm,1.5s		AML	AML		PIEI	comp=N,2390µm,0.5s		AML	AML		PARC	comp=N,909µm,0.3s		AML	AML	
COR1	comp=N,14550µm,0.3s		AML	AML		PIEI	comp=E,4665µm,0.1s		AML	AML		PARC	comp=E,1047µm,0.3s		AML	AML	
FOSV FOSV	Fossato di Vic comp=E,6195µm,0.7s	0.27 245	P S	Pg Sb	17 59 14.0 +0.5 17 59 19.2 -0.1	MURB MURB	Monte Urbino comp=N,2390µm,0.5s	0.44 251	P S	Pb Sb	17 59 17.5 -0.2 17 59 25.3 +1.0	CPGN CPGN	Carpegna, Ital comp=N,909µm,0.3s	0.69 305	P AML	Pg AML	17 59 21.6 +0.4
FOSV	comp=N,6465µm,0.6s		AML	AML		MURB	comp=E,11750µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
FOSV	comp=E,6195µm,0.7s		AML	AML		MURB	comp=N,10935µm,0.4s		AML	AML		CPGN	comp=E,1370µm,0.7s		AML	AML	
FOSV	comp=N,6465µm,0.6s		AML	AML		MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1595µm,1.1s		AML	AML	
FOSV	comp=E,6195µm,0.7s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=E,1440µm,1.1s		AML	AML	
FOSV	comp=N,6465µm,0.6s		AML	AML		MURB	comp=E,11800µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
FOSV	comp=E,6195µm,0.7s		AML	AML		MURB	comp=N,10950µm,0.4s		AML	AML		CPGN	comp=E,1368µm,0.7s		AML	AML	
FRON FRON	Frontone comp=E,3915µm,0.1s	0.29 292	P S	Pg Sb	17 59 14.1 +0.2 17 59 19.5 -0.4	MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
FRON	comp=N,4980µm,0.7s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
FRON	comp=E,3915µm,0.1s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
FRON	comp=N,4980µm,0.7s		AML	AML		MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
FRON	comp=N,4980µm,0.7s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
FRON	comp=N,4980µm,0.7s		AML	AML		MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
SENI SENI	Senigallia comp=E,11125µm,0.6s	0.31 18	P AML	Pg AML	17 59 14.5 +0.3	MURB	comp=N,10950µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
SENI	comp=N,14300µm,0.6s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
SENI	comp=E,4430µm,1.0s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
SENI	comp=N,5465µm,0.8s		AML	AML		MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
SENI	comp=E,4450µm,1.0s		AML	AML		MURB	comp=N,11100µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
SENI	comp=N,5470µm,0.8s		AML	AML		MURB	comp=E,12600µm,0.3s		AML	AML		CPGN	comp=N,1610µm,1.1s		AML	AML	
SENI	comp=N,5470µm,0.8s		AML	AML		MURB	comp=N,10950µm,0.4s		AML	AML		CPGN	comp=N,1578µm,1.1s		AML	AML	
SENI	comp=E,4450µm,1.0s		AML	AML		FEMA ATVO	Monte Fema comp=N,2035µm,0.9s	0.45 185 0.51 267	P P	Pg Sb	17 59 17.4 +0.6 17 59 18.1 +0.4 17 59 26.7 +0.7	GUMA GUMA	Guido di Mace comp=N,1445µm,1.1s	0.70 119	P AML	Pg AML	17 59 16.4 -5.1
CSP1 CSP1	Cessapalombo comp=E,14950µm,0.5s	0.33 166	P S	Pg Sb	17 59 15.0 +0.5 17 59 21.0 +0.1	ATVO	comp=N,3500µm,0.5s		AML	AML		GUMA	comp=E,64350µm,0.4s		AML	AML	
CSP1	comp=N,18000µm,0.4s		AML	AML		ATVO	comp=E,2035µm,0.9s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
CSP1	comp=E,14950µm,0.5s		AML	AML		ATVO	comp=N,3495µm,0.5s		AML	AML		GUMA	comp=E,80150µm,0.3s		AML	AML	
CSP1	comp=N,18000µm,0.4s		AML	AML		ATVO	comp=N,3495µm,0.5s		AML	AML		GUMA	comp=N,25400µm,0.3s		AML	AML	
CSP1	comp=N,18000µm,0.4s		AML	AML		ATPI ATPI	Pietralunga - comp=E,2035µm,0.9s	0.51 275	P AML	Pg AML	17 59 18.2 +0.4	GUMA	comp=N,25400µm,0.3s		AML	AML	
CSP1	comp=N,18000µm,0.4s		AML	AML		ATPI	comp=E,3505µm,0.7s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
CSP1	comp=E,14950µm,0.5s		AML	AML		ATPI	comp=N,2580µm,0.6s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
MPAG MPAG	Monte Paganucc comp=E,2355µm,0.6s	0.33 312	P S	Pg Sg	17 59 14.3 -0.3 17 59 19.9 +0.8	ATPI	comp=E,3500µm,0.7s		AML	AML		GUMA	comp=N,25400µm,0.3s		AML	AML	
MPAG	comp=N,3525µm,0.7s		AML	AML		ATPI	comp=N,2575µm,0.6s		AML	AML		GUMA	comp=E,64400µm,0.4s		AML	AML	
MPAG	comp=E,2360µm,0.6s		AML	AML		ATPI	comp=N,2575µm,0.6s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
MPAG	comp=N,3525µm,0.7s		AML	AML		ATPI	comp=N,2575µm,0.6s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
MPAG	comp=E,2360µm,0.6s		AML	AML		PE3 PE3	Peglio comp=N,3500µm,0.7s	0.52 303	P AML	Pg AML	17 59 18.4 +0.3	GUMA	comp=N,25400µm,0.3s		AML	AML	
MPAG	comp=N,3525µm,0.7s		AML	AML		PE3	comp=E,4215µm,0.9s		AML	AML		GUMA	comp=N,25400µm,0.3s		AML	AML	
MPAG	comp=E,2360µm,0.6s		AML	AML		PE3	comp=N,5115µm,0.4s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
MPAG	comp=N,3525µm,0.7s		AML	AML		PE3	comp=N,5115µm,0.4s		AML	AML		GUMA	comp=N,34500µm,0.3s		AML	AML	
FSSB FSSB	Fossombrone comp=E,6925µm,0.1s	0.37 320	P AML	Pg AML	17 59 15.0 -0.2	PESA PESA	Pesaro comp=N,3125µm,1.4s	0.56 341	P AML	Pg AML	17 59 18.8 0.0	LNSS LNSS	Leonessa comp=N,2845µm,0.4s	0.81 183	P AML	Pg AML	17 59 23.5 +0.1
FSSB	comp=N,11200µm,0.3s		AML	AML		PESA	comp=E,3820µm,0.8s		AML	AML		LNSS	comp=N,2845µm,0.4s		AML	AML	
FSSB	comp=E,6930µm,0.1s		AML	AML		PESA	comp=N,3125µm,1.4s		AML	AML		LNSS	comp=E,3260µm,1.0s		AML	AML	
FSSB	comp=N,11200µm,0.3s		AML	AML		PESA	comp=N,3125µm,1.4s		AML	AML		LNSS	comp=N,2845µm,0.4s		AML	AML	
FSSB	comp=E,6930µm,0.1s		AML	AML		PESA	comp=N,3125µm,1.4s		AML	AML		LNSS	comp=N,2845µm,0.4s		AML	AML	
FSSB	comp=N,11200µm,0.3s		AML	AML		NRCA NRCA	Norcia comp=N,3820µm,0.8s	0.58 179	P AML	Pg AML	17 59 19.5 +0.4	LNSS	comp=N,2845µm,0.4s		AML	AML	
PCRO PCRO	Pietralacroce comp=E,15850µm,0.5s	0.37 58	P AML	Pg AML	17 59 15.4 +0.1	NRCA	comp=N,3125µm,1.4s		AML	AML		CAFI CAFI	Castiglione Fio comp=N,3260µm,1.0s	0.83 265	P AML	Pg AML	17 59 24.2 +0.3
PCRO	comp=N,14200µm,0.5s		AML	AML		NRCA	comp=E,4170µm,0.1s		AML	AML		CAFI	comp=N,1350µm,0.7s		AML	AML	
PCRO	comp=N,14200µm,0.5s		AML	AML		NRCA	comp=N,4025µm,1.1s		AML	AML		CAFI	comp=N,952µm,0.5s		AML	AML	
PCRO	comp=N,14250µm,0.5s		AML	AML		NRCA	comp=N,4025µm,1.1s		AML	AML		CAFI	comp=N,1350µm,0.7s		AML	AML	
PCRO	comp=N,14250µm,0.5s		AML	AML		NRCA	comp=N,4025µm,1.1s		AML	AML		CAFI	comp=N,952µm,0.5s		AML	AML	
PCRO	comp=N,14250µm,0.5s		AML	AML		NRCA	comp=N,4025µm,1.1s		AML	AML		CRE CRE	Caprese Michel comp=N,526µm,0.6s	0.86 284	P AML	Pg AML	17 59 24.4 -0.1
FDMO FDMO	Fiordimonte comp=E,7600µm,0.8s	0.37 181	P S	Pg Sb	17 59 15.9 +0.6 17 59 22.7 +0.5	NRCA	comp=N,4340µm,1.1s		AML	AML		CRE	comp=N,488µm,0.7s		AML	AML	
FDMO	comp=N,606																

3d 19h

IDC 03 18:36:49.9,1.0,36.98N-135.34E,h362km,11km,mb3.1/8,mb1.3/13,mb1mx2.9/53,mbtmp3.8/13,Error ellipse: s-maj=16.4km s-min=14.9km az=115.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Kaga, Haku, Suzu, Wachi, Yamagatanai, OKI, Matsushiro, etc.

ISC/B 03 18:38:52.0,0.4,24.50N-122.80E,0.01,h80km,4km,Error ellipse: s-maj=4.2km s-min=2.2km az=174.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like Yonagunijimaku, Yonaguni jima, YOJ, YOJ, EOS1, etc.

2013 JUL

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like YM04, NSK, JISG, TWS1, etc.

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ISC 03 18:59:04.3,1.0,35.00S-179.80W,0.1,h43km,mb4.3/5,MS3.1/4,Error ellipse: s-maj=12.7km s-min=7.7km az=2.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like MXZ, WMGZ, PKGZ, HAZ, etc.

IDC 03 19:07:35.0,1.6,15.31S-165.65E,h0km,mb3.8/3,mb1.4/6,mb1mx3.6/25,mbtmp3.8/4,ML3.4/1,Error ellipse: s-maj=40.7km s-min=29.5km az=127.0, Vanuatu Islands

Table with columns: DZM, Mont Dzumac, 6.77 174 Pn, Pn, 19 09 16.1 +0.4, 0.7nm, 0.3s, baz=350, slow=18, SNR=6.6

LSZ 03 19:21:39.3±1.7, 1.89N, 31.15E, h0km, 8km
EAC 03 19:21:43.9±2.9, 1.90N, 30.52E, h18km, 96km, MD0.3
IDF 03 19:21:44.0±0.4, 1.56N, 30.83E, h0km, mb5.1/28,

ISCJB 03 19:21:44.7±0.5, 1.60N, 01:02:30.89E, 01:02, h12km, 3km,
ms5.6/336, MS5.67/17, Error ellipse: s-maj=3.3km
s-min=3.0km az=153.9

NEIC 03 19:21:46.0±0.1, 1.46N, 30.95E, h13km, Moment Tensor Solution.
s58 Moment tensor: Scale 10^17Nm; Mr=3.23; Mw=2.20;

NEIC 03 19:21:47.0±0.1, 1.69N, 01:01:30.76E, 01:01, h19km,
MW5.7/128, Moment Tensor Solution. s121, c235;
s128, c346; Duration: 157 Moment tensor: Scale 10^17Nm;

MOS 03 19:21:47.5±1.1, 1.65N, 30.88E, h31km, mb5.9/152,
MS5.4/84 Error ellipse: s-maj=6.3km s-min=2.7km
az=94.4

ISC 03 19:21:46.6±0.4, 1.55N, 01:03:30.89E, 01:03, h16km, 2km,
h16km; p-P, n1674, s1677/1413, mb5.7/368, MS5.7/740,
57C-8D, Uganda

Main table with columns: Code, Station Name, Delta A, Delta Az, Phase ID, Time, Res, ISC

Table with columns: ITZ, Itezi-Tezhi, 17.85 195 I/P, Pn, 19 25 53.3 -1.3, 19 25 56.4

MONGU 18.30 205 e/PN5, S, 19 29 27.2 +9.1, 19 25 59.2, 19 25 59.5 +0.6, 19 25 59.8

MONGU 18.30 205 I/P, Pn, 19 26 00.7, 19 26 00.7, 19 29 30.5, 19 29 32.0, 19 29 32.0

MONGU 18.30 205 I/P, Pn, 19 26 00.1, 19 26 00.1, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

MONGU 18.30 205 I/P, Pn, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3, 19 26 00.3

Table with columns: ITZ, Itezi-Tezhi, 17.85 195 I/P, Pn, 19 25 53.3 -1.3, 19 25 56.4

Table with columns: TORD, Torodi Ar. Bea, 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

TORD 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

TORD 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

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TORD 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

TORD 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

Table with columns: TORD, Torodi Ar. Bea, 31.11 293 P, P, 19 28 02.9 -1.9, 19 28 02.9

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like YLVA, IGT, JAN, CEL, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SOC, BRY, ZEI, TIR, etc.

Table with columns: Station, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like DEV, TESR, SIRR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ABTA, RTC, EMAL, KBA, etc.

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

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

LLW	Llanuwchllyn	58.62 336	eP	P	IAMB	19 31 42.0	-0.9		
LLW	comp=Z,39nm,1.0s					19 31 43.8			
GUN	Gumba	58.66 58	eP	P	IAMB	19 31 43.5	-0.6		
GUN	comp=Z,401nm,1.4s								
HPK	Haverah Park	58.68 338	eP	P	IAMB	19 31 43.3	0.0		
HPK	comp=Z,133nm,1.3s					19 31 44.1			
HPK	IAMS_20					20 02 00.4			
KIRV	Kirov	58.71 11	LR	LR		19 59 19.2			
PRZ	Przheval'sk	58.83 40	eP	P	IAMB	19 31 45.2	+0.4		
PRZ	comp=Z,1.1um,18.5s,baz=222,slow=38								
PRZ	comp=Z,272nm,1.7s								
PRZ	comp=Z,5.1um,18.0s								
PRZ	comp=Z,272nm,1.7s								
PRZ	comp=Z,5.1um,18.0s								
JIRN	Jiri	58.86 58	eP	P	IAMB	19 31 44.8	-0.7		
JIRN	comp=Z,89nm,0.6s								
YLL	Yllanberis	59.04 336	eP	P	IAMB	19 31 45.8	0.0		
YLL	comp=Z,4.2um,20.7s,baz=220,slow=38					19 59 28.0			
ARU	Arti	59.06 18	eP	P	IAMB	19 31 45.9	0.0		
ARU	comp=Z,128nm,0.8s								
ARU	comp=Z,4.2um,20.0s								
ARU	Arti	59.06 18	dIP	P	IAMB	19 31 44.4	-1.5		
ARU	comp=Z,311nm,1.7s					19 32 29.9			
ARU	comp=Z,4.2um,20.0s					19 39 50.7	-1.4		
ARU	comp=Z,311nm,1.7s					19 41 29.5			
ARU	comp=Z,4.2um,20.0s					19 43 43.5	-2.8		
SATY	Saty	59.13 39	dIP	P	IAMB	19 31 46.7	-0.1		
SATY	comp=Z,190nm,2.3s					19 39 54.6	+0.8		
SATY	comp=E,131nm,6.3s								
SATY	comp=Z,2um,17.0s								
SATY	comp=Z,190nm,2.2s								
SATY	comp=Z,131nm,6.3s								
SATY	comp=Z,2um,16.8s								
ZHN	Zhinishe	59.20 39	dIP	P	IAMB	19 31 47.2	-0.1		
ZHN	comp=Z,50nm,1.0s								
ZHN	comp=Z,50nm,1.0s								
WLF1	Llynfaes	59.24 336	eP	P	IAMB	19 31 47.1	-0.1		
WLF1	Myndd Eilian	59.29 336	eP	P	IAMB	19 31 47.6	+0.1		
WFS	Cemaes, Angles	59.37 336	eP	P	IAMB	19 31 48.1	+0.1		
WFS	comp=Z,135nm,1.3s					19 59 46.6			
WPS	comp=Z,4.2um,20.6s								
EDMD	Edmundbyers	59.48 339	eP	P	IAMB	19 31 48.9	0.0		
EDMD	comp=Z,142nm,1.6s					19 59 46.6			
EDMD	comp=Z,4.2um,13.6s					20 02 36.2			
KPKS	Kokpek	59.51 39	dIP	P	IAMB	19 31 48.7	-0.7		
KPKS	comp=Z,105nm,2.5s					19 39 56.5	-2.1		
KPKS	comp=E,93nm,7.0s								
KPKS	comp=Z,2um,17.0s								
KPKS	comp=Z,105nm,2.5s								
KPKS	comp=Z,93nm,7.0s					19 59 25.2			
KPKS	comp=Z,2um,17.5s								
UZB	Uzymbulak	59.56 39	dIP	P	IAMB	19 31 49.4	-0.4		
UZB	comp=Z,47nm,1.2s					19 39 57.2	-2.2		
UZB	comp=E,109nm,8.3s								
UZB	comp=Z,989nm,16.0s								
UZB	comp=Z,47nm,1.2s								
UZB	comp=Z,109nm,8.3s								
UZB	comp=Z,989nm,16.0s								
UZB	comp=Z,47nm,1.2s								
UZB	comp=Z,109nm,8.3s								
KESW	Keswick, Cumb	59.72 338	eP	P	IAMB	19 31 50.8	+0.3		
KESW	comp=Z,75nm,0.8s					19 31 51.6			
KESW	comp=Z,4.2um,13.6s					20 04 12.7			
FIAO	FINESS Array S	59.85 357	eP	P	IAMB	19 31 51.1	-0.2		
FIAO	FINESS Array S	59.85 357	eP	P	IAMB	19 31 51.1	-0.2		
FIAO	FINESS Array B	59.85 357	eP	P	IAMB	19 31 51.1	-0.2		
FIAO	comp=Z,14nm,0.8s,baz=145,slow=7.0,SNR=46								
FINES	comp=Z,2um,20.6s,baz=174,slow=38					19 59 41.5			
FIA1	FINESS Array S	59.86 357	eP	P	IAMB	19 31 50.9	-0.3		
FIA1	comp=Z,374nm,1.5s								
BRZS	Berezni	59.89 30	dIP	P	IAMB	19 31 51.4	-0.3		
BRZS	comp=Z,120nm,2.3s								
BRZS	comp=Z,3um,18.0s								
BRZS	comp=Z,3um,18.0s								
BRZS	comp=Z,120nm,2.3s								
HFS	Hagfors	59.92 350	LR	LR		20 00 15.0			
HFS	comp=Z,1um,19.9s,baz=158,slow=38								
PDGK	Podgornoye	59.95 39	P	P	IAMB	19 31 51.9	-0.6		
PDGK	comp=Z,29nm,1.7s								
WIM	Isle of Man	59.99 337	eP	P	IAMB	19 31 52.6	+0.3		
WIM	Dublin	60.03 335	eP	P	IAMB	19 31 52.7	+0.1		
DSB	Shillong								
SVE	Sverdllovsk	60.03 18	dIP	P	IAMB	19 31 52.6	0.0		
SVE	comp=Z,118nm,1.5s					19 40 02.6	-2.0		
SVE	comp=Z,2um,20.0s								
IOMK	Kirk Michael	60.03 337	eP	P	IAMB	19 31 52.8	+0.1		
IOMK	comp=Z,331nm,1.6s					19 31 53.7			
IOMK	comp=Z,2um,13.8s					20 03 45.8			
TDK	Taldyqorghan	60.14 37	eP	P	IAMB	19 31 52.6	-1.0		
TDK	comp=Z,174nm,2.2s					19 40 04.5	-2.0		
TDK	comp=Z,213nm,8.9s								
TDK	comp=Z,3um,15.0s								
TDK	comp=Z,174nm,2.2s								
TDK	comp=Z,213nm,8.9s								
TDK	comp=Z,3um,15.3s								
BHH	Hovats Hill	60.15 338	eP	P	IAMB	19 31 53.3	-0.1		
KONO	Kongsberg	60.26 348	eP	P	IAMB	19 31 53.8	-0.2		
KONO	comp=Z,232nm,1.5s								
KONO	comp=Z,2um,20.0s								
KONO	Kongsberg	60.26 348	eP	P	IAMB	19 31 53.3	-0.7		
KONO	comp=Z,85nm,1.7s								
KONO	Oslo	60.26 348	eP	P	IAMB	19 31 53.6	-0.5		
OSL	Oslo	60.29 348	eP	P	IAMB	19 31 53.1	-1.1		

ESK	Eskdalemuir	60.31 338	eP	P	IAMB	19 31 54.0	-0.5		
ESK	comp=Z,146nm,1.4s								
ESK	Eskdalemuir	60.31 338	eP	P	IAMB	19 31 54.6	+0.1		
ESK	comp=Z,251nm,2.0s					19 31 56.2			
ESK	comp=Z,15um,13.0s					20 02 59.4			
ESK	Eskdalemuir	60.31 338	iP	P	IAMB	19 31 54.9	+0.4		
GALI	Galileo	60.54 337	eP	P	IAMB	19 31 56.2	+0.1		
GALI	comp=Z,52nm,1.4s					19 32 01.4			
GALI	comp=Z,2um,12.2s					20 02 59.3			
ESY	Stoneyhatch	60.56 339	eP	P	IAMB	19 31 56.7	+0.4		
GMM	Mts of Mourne	60.57 336	eP	P	IAMB	19 31 56.6	+0.3		
EBL	Broad Land	60.61 339	eP	P	IAMB	19 31 56.8	+0.3		
EDI	Edinburgh	60.77 339	eP	P	IAMB	19 31 57.9	+0.3		
EDI	comp=Z,131nm,1.3s					19 31 59.5			
EDI	comp=Z,4um,14.2s					20 03 24.5			
BRVK	Borovoye	60.81 26	eP	P	IAMB	19 31 57.1	-0.9		
BRVK	comp=Z,47nm,1.1s								
BRVK	comp=Z,4um,18.0s								
BRVK	Borovoye	60.81 26	dIP	P	IAMB	19 31 57.2	-0.8		
BRVK	comp=Z,25nm,1.2s								
GTK	Tadong	60.83 59	eP	P	IAMB	19 31 58.4	-0.4		
NC602	NORSAR Array S	60.87 349	eP	P	IAMB	19 31 57.4	-0.9		
NC602	comp=Z,319nm,1.4s								
NC602	NORSAR Array S	60.87 349	eP	P	IAMB	19 31 57.3	-0.9		
NORES	NORESS Array B	60.87 349	eP	P	IAMB	19 31 57.8	-0.4		
NORES	comp=Z,18nm,0.9s								
PRGR	Permogore	60.97 8	iP	P	IAMB	19 31 57.9	-1.0		
PRGR	comp=Z,63nm,0.9s					19 32 04.9	+0.8		
PRGR	comp=Z,49nm,1.5s					19 32 40.6			
NAO01	NORSAR Array S	61.09 349	eP	P	IAMB	19 31 59.5	-0.2		
SUF	Sumiainen	61.13 358	P	P	IAMB	19 31 59.7	-0.2		
SUF	comp=Z,173nm,1.8s								
NC405	NORSAR Array S	61.19 350	eP	P	IAMB	19 31 59.7	-0.7		
NC405	comp=Z,451nm,1.4s								
EDU	Dundee	61.19 339	eP	P	IAMB	19 32 00.7	+0.2		
NB201	NORSAR Array S	61.21 349	eP	P	IAMB	19 32 00.3	-0.3		
NB201	comp=Z,660nm,1.4s								
NB2	NORSAR Subarra	61.21 349	P	P	IAMB	19 31 59.8	-0.8		
NB2	comp=Z,429nm,1.7s,baz=160,slow=6.9								
NB2	NORSAR Subarra	61.21 349	P	P	IAMB	19 31 57.2	-3.4		
NB2	comp=Z,98nm,1.1s								
NB2	NORSAR Subarra	61.21 349	P	P	IAMB	19 31 59.8	-0.8		
NB2	comp=Z,98nm,1.1s								
NB200	NORSAR Array S	61.21 349	eP	P	IAMB	19 31 59.9	-0.8		
NB200	comp=Z,22nm,1.0s,baz=159,slow=6.1,SNR=33					20 03 38.1			
NOA	comp=Z,949nm,18.2s,baz=160,slow=41								
NB000	NORSAR Array S	61.28 349	eP	P	IAMB	19 32 01.1	0.0		
NB000	comp=Z,674nm,1.5s								
NC303	NORSAR Array S	61.35 349	eP	P	IAMB	19 32 00.5	-1.0		
NC303	comp=Z,540nm,1.5s								
EAB	Aberfoyle	61.40 338	eP	P	IAMB	19 32 02.1	+0.2		
INVG	Invergelde, C	61.47 339	eP	P	IAMB	19 32 01.6	-0.8		
INVG	comp=Z,82nm,1.1s					19 32 07.7			
INVG	comp=Z,3um,12.3s					20 06 14.4			
NC204	NORSAR Array S	61.52 349	eP	P	IAMB	19 32 02.4	-0.3		
NC204	comp=Z,445nm,1.4s								
LAW	Loch Awe, Argy	61.84 338	eP	P	IAMB	19 32 05.2	+0.3		
LAW	comp=Z,93nm,1.2s					19 32 10.1			
LAW	comp=Z,3um,15.6s					20 01 38.4			
PBA	Port Blair	62.14 78	PFAKE	LR		19 32 20.0	+1.2		
PBA	comp=Z,7um,19.0s								
PBA	Port Blair	62.14 78	eP	P	IAMB	19 32 07.5	-0.1		
PBA	comp=Z,172nm,1.2s					19 32 10.9			
PSMN	Pico do Norte	62.35 312	eP	P	IAMB	19 32 06.3	-2.4		
PSMN									

3d 19h

M50A	comp=Z,2j,20.0s		LR	LR	
GLMI	comp=Z,2j,20.0s	106.71 318	PFAKE	LR	19 40 20.0 +8.4
GLMI	comp=Z,2j,22.0s		LR	LR	
R53A	comp=Z,2j,20.0s	106.77 311	PFAKE	LR	19 40 20.0 +8.1
R53A	comp=Z,2j,21.0s		LR	LR	
AAM	comp=Z,2j,20.0s	106.86 315	PFAKE	LR	19 40 20.0 +8.1
AAM	comp=Z,2j,20.0s		LR	LR	
I47A	comp=Z,2j,19.0s	106.90 317	PFAKE	LR	19 40 20.0 +8.0
I47A	comp=Z,2j,19.0s		LR	LR	
E44A	comp=Z,2j,18.0s	106.94 320	PFAKE	LR	19 40 20.0 +8.1
E44A	comp=Z,2j,18.0s		LR	LR	
MTDJ	comp=Z,2j,18.0s	106.97 289	PFAKE	LR	19 40 20.0 +7.1
MTDJ	comp=Z,2j,18.0s		LR	LR	
ACSO	comp=Z,1j,19.0s	107.00 313	PFAKE	LR	19 40 20.0 +7.7
ACSO	comp=Z,2j,20.0s		LR	LR	
KMSC	comp=Z,2j,20.0s	107.12 307	PFAKE	LR	19 40 20.0 +7.4
KMSC	comp=Z,3j,21.0s		LR	LR	
U54A	comp=Z,2j,21.0s	107.16 309	PFAKE	LR	19 40 20.0 +7.2
U54A	comp=Z,2j,21.0s		LR	LR	
JSC	comp=Z,2j,21.0s	107.28 307	PFAKE	LR	19 40 20.0 +7.1
JSC	comp=Z,2j,21.0s		LR	LR	
P51A	comp=Z,3j,20.0s	107.28 312	PFAKE	LR	19 40 20.0 +7.2
P51A	comp=Z,2j,18.0s		LR	LR	
G45A	comp=Z,2j,18.0s	107.33 318	PFAKE	LR	19 40 20.0 +7.3
G45A	comp=Z,2j,20.0s		LR	LR	
J47A	comp=Z,2j,20.0s	107.37 316	PFAKE	LR	19 40 20.0 +7.1
J47A	comp=Z,2j,20.0s		LR	LR	
PAULI	comp=Z,2j,20.0s	107.59 307	PFAKE	LR	19 40 30.0 +16
PAULI	comp=Z,3j,20.0s		LR	LR	
Z56A	comp=Z,2j,20.0s	107.60 306	PFAKE	LR	19 40 30.0 +16
Z56A	comp=Z,2j,18.0s		LR	LR	
Q51A	comp=Z,2j,18.0s	107.62 312	PFAKE	LR	19 40 30.0 +17
Q51A	comp=Z,2j,20.0s		LR	LR	
257A	comp=Z,2j,20.0s	107.63 304	PFAKE	LR	19 40 30.0 +16
257A	comp=Z,2j,20.0s		LR	LR	
NNA	comp=Z,2j,20.0s	107.66 258	PFAKE	LR	19 40 30.0 +16
NNA	comp=Z,3j,20.0s		LR	LR	
N49A	comp=Z,3j,20.0s	107.67 314	PFAKE	LR	19 40 30.0 +17
N49A	comp=Z,1j,20.0s		LR	LR	
E43A	comp=Z,2j,20.0s	107.72 320	PFAKE	LR	19 40 30.0 +17
E43A	comp=Z,2j,20.0s		LR	LR	
M48A	comp=Z,2j,20.0s	107.87 315	PFAKE	LR	19 40 30.0 +16
M48A	comp=Z,2j,18.0s		LR	LR	
T52A	comp=Z,2j,18.0s	107.90 310	PFAKE	LR	19 40 30.0 +16
T52A	comp=Z,2j,18.0s		LR	LR	
O49A	comp=Z,2j,18.0s	108.00 313	PFAKE	LR	19 40 30.0 +16
O49A	comp=Z,2j,21.0s		LR	LR	
I45A	comp=Z,2j,21.0s	108.06 318	PFAKE	LR	19 40 30.0 +16
I45A	comp=Z,2j,19.0s		LR	LR	
HODGE	comp=Z,2j,19.0s	108.09 307	PFAKE	LR	19 40 30.0 +16
HODGE	comp=Z,2j,19.0s		LR	LR	
O60A	comp=Z,2j,19.0s	108.12 299	PFAKE	LR	19 40 30.0 +15
O60A	comp=Z,3j,20.0s		LR	LR	
V53A	comp=Z,3j,20.0s	108.16 308	PFAKE	LR	19 40 30.0 +15
V53A	comp=Z,2j,19.0s		LR	LR	
S51A	comp=Z,2j,19.0s	108.21 310	PFAKE	LR	19 40 30.0 +15
S51A	comp=Z,3j,21.0s		LR	LR	
STKA	comp=Z,3j,21.0s	108.35 123	PFAKE	LR	19 40 30.0 +15
STKA	comp=Z,300nm,18.0s		LR	LR	
J45A	comp=Z,3j,20.0s	108.38 317	PFAKE	LR	19 40 30.0 +15
J45A	comp=Z,1j,18.0s		LR	LR	
BG3	comp=Z,1j,18.0s	108.43 308	PFAKE	LR	19 40 30.0 +15
BG3	comp=Z,2j,20.0s		LR	LR	
D41A	comp=Z,2j,20.0s	108.45 321	PFAKE	LR	19 40 30.0 +15
D41A	comp=Z,2j,21.0s		LR	LR	
C40A	comp=Z,2j,21.0s	108.47 322	PFAKE	LR	19 40 30.0 +15
C40A	comp=Z,1j,20.0s		LR	LR	
TZTN	comp=Z,1j,20.0s	108.49 309	PFAKE	LR	19 40 30.0 +15
TZTN	comp=Z,2j,20.0s		LR	LR	
R50A	comp=Z,2j,20.0s	108.58 311	PFAKE	LR	19 40 30.0 +15
R50A	comp=Z,2j,21.0s		LR	LR	
V52A	comp=Z,2j,21.0s	108.72 309	PFAKE	LR	19 40 30.0 +14
V52A	comp=Z,2j,19.0s		LR	LR	
456A	comp=Z,2j,19.0s	108.75 303	PFAKE	LR	19 40 30.0 +14
456A	comp=Z,3j,18.0s		LR	LR	
L46A	comp=Z,3j,18.0s	108.81 316	PFAKE	LR	19 40 30.0 +14
L46A	comp=Z,2j,20.0s		LR	LR	
O59A	comp=Z,2j,20.0s	108.82 299	PFAKE	LR	19 40 30.0 +14
O59A	comp=Z,2j,22.0s		LR	LR	
O61Z	comp=Z,2j,22.0s	108.83 298	PFAKE	LR	19 40 30.0 +14
O61Z	comp=Z,3j,20.0s		LR	LR	
DWPF	comp=Z,3j,20.0s	108.83 300	PFAKE	LR	19 40 30.0 +14
DWPF	comp=Z,3j,20.0s		LR	LR	
255A	comp=Z,3j,20.0s	108.84 304	PFAKE	LR	19 40 30.0 +14
255A	comp=Z,2j,21.0s		LR	LR	
H43A	comp=Z,2j,21.0s	108.94 318	PFAKE	LR	19 40 30.0 +14
H43A	comp=Z,2j,21.0s		LR	LR	
P48A	comp=Z,2j,21.0s	109.03 313	PFAKE	LR	19 40 30.0 +14
P48A	comp=Z,2j,21.0s		LR	LR	
M46A	comp=Z,2j,21.0s	109.06 315	PFAKE	LR	19 40 30.0 +14
M46A	comp=Z,2j,20.0s		LR	LR	
154A	comp=Z,2j,20.0s	109.19 305	PFAKE	LR	19 40 30.0 +13
154A	comp=Z,2j,18.0s		LR	LR	
W52A	comp=Z,2j,18.0s	109.19 308	PFAKE	LR	19 40 30.0 +13
W52A	comp=Z,3j,21.0s		LR	LR	
COWI	comp=Z,3j,21.0s	109.19 320	PFAKE	LR	19 40 30.0 +14
COWI	comp=Z,2j,19.0s		LR	LR	
R49A	comp=Z,2j,19.0s	109.21 312	PFAKE	LR	19 40 30.0 +14
R49A	comp=Z,3j,20.0s		LR	LR	
GOGA	comp=Z,3j,20.0s	109.28 306	PFAKE	LR	19 40 30.0 +13
GOGA	comp=Z,2j,19.0s		LR	LR	
V51A	comp=Z,2j,19.0s	109.32 309	PFAKE	LR	19 40 30.0 +13
V51A	comp=Z,2j,19.0s		LR	LR	
INK	comp=Z,2j,19.0s	109.45 354	PKKPbc	PKKPbc	19 51 20.9 -2.9
INK	comp=Z,3.8nm,1.1s,baz=101,slow=14,SNR=4.6				
INK	comp=Z,1j,19.0s	109.45 354	ePKKPbc	PKKPbc	19 51 20.9 -2.9
INK	comp=Z,1j,19.0s				
656A	comp=Z,4j,20.0s	109.50 302	PFAKE	LR	19 40 30.0 +13
656A	comp=Z,4j,20.0s		LR	LR	
CPCT	comp=Z,4j,20.0s	109.56 308	PFAKE	LR	19 40 30.0 +13
CPCT	comp=Z,4j,20.0s		LR	LR	

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957A	comp=Z,2j,20.0s	109.62 300	PFAKE	LR	19 40 30.0 +13
957A	comp=Z,2j,20.0s		LR	LR	
Y52A	comp=Z,2j,20.0s	109.63 307	PFAKE	LR	19 40 30.0 +13
Y52A	comp=Z,2j,19.0s		LR	LR	
555A	comp=Z,2j,19.0s	109.69 303	PFAKE	LR	19 40 30.0 +12
555A	comp=Z,3j,19.0s		LR	LR	
T49A	comp=Z,3j,19.0s	109.85 310	PFAKE	LR	19 40 30.0 +12
T49A	comp=Z,2j,21.0s		LR	LR	
PEA0B	comp=Z,2j,21.0s	109.86 31	PFAKE	LR	19 40 30.0 +13
PEA0B	comp=Z,1j,21.0s		LR	LR	
RDOG	comp=Z,1j,21.0s	109.88 5	PFAKE	LR	19 40 30.0 +13
RDOG	comp=Z,700nm,21.0s		LR	LR	
EYMN	comp=Z,700nm,21.0s	109.88 323	PFAKE	LR	19 40 30.0 +13
EYMN	comp=Z,2j,20.0s		LR	LR	
TIGA	comp=Z,2j,20.0s	109.88 304	PFAKE	LR	19 40 30.0 +12
TIGA	comp=Z,2j,19.0s		LR	LR	
I42A	comp=Z,2j,19.0s	109.92 318	PFAKE	LR	19 40 30.0 +12
I42A	comp=Z,2j,20.0s		LR	LR	
BLO	comp=Z,2j,20.0s	109.93 313	PFAKE	LR	19 40 30.0 +12
BLO	comp=Z,2j,18.0s		LR	LR	
SFIN	comp=Z,2j,18.0s	109.94 314	PFAKE	LR	19 40 30.0 +12
SFIN	comp=Z,2j,18.0s		LR	LR	
TOLK	comp=Z,2j,18.0s	109.95 0	PFAKE	LR	19 40 30.0 +13
TOLK	comp=Z,700nm,21.0s		LR	LR	
K43A	comp=Z,700nm,21.0s	109.97 317	PFAKE	LR	19 40 30.0 +12
K43A	comp=Z,3j,20.0s		LR	LR	
WCI	comp=Z,3j,20.0s	110.07 312	PFAKE	LR	19 40 30.0 +12
WCI	comp=Z,3j,20.0s		LR	LR	
X51A	comp=Z,3j,20.0s	110.07 308	PFAKE	LR	19 40 30.0 +12
X51A	comp=Z,2j,21.0s		LR	LR	
253A	comp=Z,2j,21.0s	110.17 305	PFAKE	LR	19 40 30.0 +12
253A	comp=Z,2j,18.0s		LR	LR	
BCIP	comp=Z,2j,18.0s	110.19 280	PFAKE	LR	19 40 30.0 +11
BCIP	comp=Z,700nm,20.0s		LR	LR	
G40A	comp=Z,700nm,20.0s	110.21 320	PFAKE	LR	19 40 30.0 +12
G40A	comp=Z,2j,20.0s		LR	LR	
W50A	comp=Z,2j,20.0s	110.25 308	PFAKE	LR	19 40 30.0 +11
W50A	comp=Z,3j,21.0s		LR	LR	
M44A	comp=Z,3j,21.0s	110.25 315	PFAKE	LR	19 40 30.0 +12
M44A	comp=Z,3j,20.0s		LR	LR	
PET	comp=Z,3j,20.0s	110.39 31	PFAKE	LR	19 40 30.0 +12
PET	comp=Z,1j,20.0s		LR	LR	
I41A	comp=Z,1j,20.0s	110.48 319	PFAKE	LR	19 40 30.0 +11
I41A	comp=Z,2j,21.0s		LR	LR	
152A	comp=Z,2j,21.0s	110.49 306	PFAKE	LR	19 40 30.0 +11
152A	comp=Z,2j,18.0s		LR	LR	
E38A	comp=Z,2j,18.0s	110.50 322	PFAKE	LR	19 40 30.0 +11
E38A	comp=Z,3j,20.0s		LR	LR	
453A	comp=Z,3j,20.0s	110.64 304	PFAKE	LR	19 40 30.0 +11
453A	comp=Z,3j,20.0s		LR	LR	
P45A	comp=Z,3j,20.0s	110.70 313	PFAKE	LR	19 40 30.0 +11
P45A	comp=Z,2j,20.0s		LR	LR	
SWET	comp=Z,2j,20.0s	110.73 309	PFAKE	LR	19 40 30.0 +11
SWET	comp=Z,3j,18.0s		LR	LR	
CLTN	comp=Z,3j,18.0s	110.77 310	PFAKE	LR	19 40 30.0 +11
CLTN	comp=Z,1j,21.0s		LR	LR	
YK3W	comp=Z,1j,21.0s	110.97 344	PFAKE	LR	19 40 30.0 +11
YK3W	comp=Z,2j,20.0s		LR	LR	
352A	comp=Z,2j,20.0s	110.98 305	PFAKE	LR	19 40 30.0 +10
352A	comp=Z,2j,21.0s		LR	LR	
YKA	comp=Z,2j,21.0s	111.02 344	PP	PP	19 40 55.8 -1.2
YKA	comp=Z,1.2nm,0.7s,baz=30,slow=7.4,SNR=5.0				
YK5B	comp=Z,1.2nm,0.7s,baz=30,slow=7.4,SNR=5.0	111.02 344	ePP	PP	19 40 55.8 -1.2
T47A	comp=Z,1.2nm,0.7s,baz=30,slow=7.4,SNR=5.0	111.08 311	PFAKE	LR	19 40 30.0 +10
L42A	comp=Z,2j,19.0s	111.15 317	PFAKE	LR	19 40 30.0 +10
L42A	comp=Z,2j,20.0s		LR	LR	
USIN	comp=Z,2j,20.0s	111.17 312	PFAKE	LR	19 40 30.0 +10
USIN	comp=Z,3j,18.0s		LR	LR	
JFWS	comp=Z,3j,18.0s	111.19 318	PFAKE	LR	19 40 30.0 +10
JFWS	comp=Z,1j,22.0s		LR	LR	
OLIL	comp=Z,1j,22.0s	111.23 313	PFAKE	LR	19 40 30.0 +10
OLIL	comp=Z,2j,19.0s		LR	LR	
V48A	comp=Z,2j,19.0s	111.26 309	PFAKE	LR	19 40 30.0 +10
V48A	comp=Z,2j,20.0s		LR	LR	
Z50A	comp=Z,2j,20.0s	111.30 307	PFAKE	LR	19 40 30.0 +9.4
Z50A	comp=Z,2j,18.0s		LR	LR	
ULM	comp=Z,2j,18.0s	111.32 326	PFAKE	LR	19 40 30.0 +10
ULM	comp=Z,2j,18.0s		LR	LR	
COLD	comp=Z,2j,18.0s	111.37 0	PFAKE	LR	19 40 30.0 +10
COLD	comp=Z,600nm,21.0s		LR	LR	
HDIL	comp=Z,600nm,21.0s	111.44 315	PFAKE	LR	19 40 30.0 +9.4
HDIL	comp=Z,2j,19.0s		LR	LR	
Y49A					

CCAR	Cane Creek	115.70	309	PFAKE	LR	LR	19 40 40.0	+11
CCAR	comp=Z,3um,20.0s							
UALR	University of	115.83	310	PFAKE	LR	LR	19 40 40.0	+11
UALR	comp=Z,3um,21.0s							
PMG	Port Moresby	116.16	100	PFAKE	LR	LR	19 40 40.0	+10
PMG	comp=Z,900nm,19.0s							
X40A	Basin Creek Fa	116.31	310	PFAKE	LR	LR	19 40 40.0	+10
X40A	comp=Z,3um,21.0s							
HHAR	Hobbs	116.45	312	PFAKE	LR	LR	19 40 40.0	+10
HHAR	comp=Z,3um,19.0s							
TEIG	Tepeh	116.63	293	PFAKE	LR	LR	19 40 40.0	+8.9
TEIG	comp=Z,2um,21.0s							
Z41A	Richland Creek	116.74	309	PFAKE	LR	LR	19 40 40.0	+9.1
Z41A	comp=Z,3um,20.0s							
W39A	Magazine	116.77	311	PFAKE	LR	LR	19 40 40.0	+9.1
W39A	comp=Z,2um,20.0s							
SCM	Sheep Creek Mo	116.77	359	PFAKE	LR	LR	19 40 40.0	+10
SCM	comp=Z,1um,20.0s							
DGMT	Dagmar	116.81	328	PFAKE	LR	LR	19 40 40.0	+9.3
DGMT	comp=Z,2um,18.0s							
D3MT	Dagmar	116.81	328	P	PKIKP	LR	19 40 31.1	+0.4
D3MT	baz=52							
WLAR	White Oak Lake	116.83	309	PFAKE	LR	LR	19 40 40.0	+8.9
WLAR	comp=Z,3um,20.0s							
TGUH	Teguigalpa,Un	116.83	287	PFAKE	LR	LR	19 40 40.0	+8.3
TGUH	comp=Z,2um,20.0s							
MIAR	Mount Ida	116.86	310	PFAKE	LR	LR	19 40 40.0	+8.8
MIAR	comp=Z,3um,20.0s							
MIAR	Mount Ida	116.86	310	P	PKIKP	LR	19 40 31.4	+0.2
MIAR	baz=67							
WHY	Whitehorse	116.99	352	PFAKE	LR	LR	19 40 40.0	+9.2
WHY	comp=Z,1um,19.0s							
PHMY	Palmer	117.03	0	PFAKE	LR	LR	19 40 40.0	+9.4
PHMY	comp=Z,600nm,21.0s							
ARMA	Armidale	117.06	124	PFAKE	LR	LR	19 40 40.0	+8.2
ARMA	comp=Z,1um,20.0s							
BGNE	Belgrade	117.12	319	PFAKE	LR	LR	19 40 40.0	+8.5
BGNE	comp=Z,2um,20.0s							
HYT	Haines Junctio	117.15	354	PFAKE	LR	LR	19 40 40.0	+8.9
HYT	comp=Z,700nm,20.0s							
KSU1	Kansas State U	117.17	316	PFAKE	LR	LR	19 40 40.0	+8.4
KSU1	comp=Z,1um,19.0s							
KSU1	Kansas State U	117.17	316	P	PKPdf	LR	19 40 31.4	-0.2
KSU1	baz=63							
KNK	Knik Glacier	117.21	360	PFAKE	LR	LR	19 40 40.0	+8.9
KNK	comp=Z,900nm,19.0s							
SWV2	Sparrevohn	117.33	4	PFAKE	LR	LR	19 40 40.0	+8.7
SWV2	comp=Z,800nm,19.0s							
BALM	Baldy	117.37	356	PFAKE	LR	LR	19 40 40.0	+8.5
BALM	comp=Z,700nm,20.0s							
RC01	Rabbit Creek A	117.53	0	PFAKE	LR	LR	19 40 40.0	+8.3
RC01	comp=Z,900nm,20.0s							
GLI	Glacier Island	117.73	359	PFAKE	LR	LR	19 40 40.0	+7.9
GLI	comp=Z,1um,20.0s							
SMY	Shemya	117.75	24	PFAKE	LR	LR	19 40 40.0	+7.7
SMY	comp=Z,1um,19.0s							
EIDS	Eidsvoild	117.79	118	PFAKE	LR	LR	19 40 50.0	+17
EIDS	comp=Z,2um,19.0s							
MYIG	Mrida	117.80	295	PFAKE	LR	LR	19 40 50.0	+17
MYIG	comp=Z,2um,20.0s							
TUL1	Leonard	117.97	313	PFAKE	LR	LR	19 40 50.0	+17
TUL1	comp=Z,3um,19.0s							
TUL1	Leonard	117.97	313	P	PKPdf	LR	19 40 33.1	-0.2
TUL1	baz=65							
EYAK	Cordova Ski Ar	118.02	358	PFAKE	LR	LR	19 40 40.0	+7.4
EYAK	comp=Z,2um,18.0s							
PCA	Pinnacle	118.14	355	PFAKE	LR	LR	19 40 40.0	+7.0
PCA	comp=Z,1um,19.0s							
HMT	Hamilton	118.17	357	PFAKE	LR	LR	19 40 40.0	+7.0
HMT	comp=Z,1um,18.0s							
X37A	Clayton	118.20	311	PFAKE	LR	LR	19 40 50.0	+16
X37A	comp=Z,3um,20.0s							
SKAG	Skagway	118.21	352	PFAKE	LR	LR	19 40 40.0	+7.0
SKAG	comp=Z,1um,21.0s							
BCPM	Bancas Point	118.23	355	PFAKE	LR	LR	19 40 40.0	+6.9
BCPM	comp=Z,900nm,21.0s							
DLBC	Dease Lake	118.30	349	PFAKE	LR	LR	19 40 50.0	+17
DLBC	comp=Z,2um,18.0s							
SEW	Seward	118.52	0	PFAKE	LR	LR	19 40 50.0	+16
SEW	comp=Z,800nm,18.0s							
NATX	Nacogdoches	118.75	308	PFAKE	LR	LR	19 40 50.0	+15
NATX	comp=Z,2um,18.0s							
BRLK	Bradley Lake	118.85	1	PFAKE	LR	LR	19 40 50.0	+16
BRLK	comp=Z,700nm,19.0s							
HOM	Homer	118.94	1	PFAKE	LR	LR	19 40 50.0	+16
HOM	comp=Z,700nm,20.0s							
LAO	LASA Array	118.99	328	ePKPdf	LR	PKPdf	19 40 34.8	-0.2
LAO	comp=Z,2um,21.0s							
LAO	LASA Array	118.99	328	P	PKIKP	LR	19 40 35.5	+0.4
LAO	baz=51							
SPIA	Saint Paul Isl	119.03	13	PFAKE	LR	LR	19 40 50.0	+15
SPIA	comp=Z,2um,19.0s							
CNPM	China Poot	119.08	1	PFAKE	LR	LR	19 40 50.0	+15
CNPM	comp=Z,1um,19.0s							
JIS	Juneau Island	119.21	351	PFAKE	LR	LR	19 40 50.0	+15
JIS	comp=Z,1um,18.0s							
RSSD	Black Hills	119.33	324	PFAKE	LR	LR	19 40 50.0	+14
RSSD	comp=Z,2um,19.0s							
RSSD	Black Hills	119.33	324	P	PKPdf	LR	19 40 35.8	-0.1
RSSD	baz=54							
CBKS	Cedar Bluff	119.45	317	PFAKE	LR	LR	19 40 50.0	+14
CBKS	comp=Z,2um,20.0s							
OGNE	Ogallala	119.88	320	PFAKE	LR	LR	19 40 50.0	+13
OGNE	comp=Z,2um,19.0s							
OGNE	Ogallala	119.88	320	P	PKPdf	LR	19 40 36.6	-0.3
OGNE	baz=58							
EGMT	Eagleton	119.93	331	PFAKE	LR	LR	19 40 50.0	+13
EGMT	comp=Z,2um,20.0s							
EGMT	Eagleton	119.93	331	P	PKIKP	LR	19 40 37.2	+0.3
EGMT	baz=47							
U32A	Winter Ranch,	120.10	314	PFAKE	LR	LR	19 40 50.0	+13
U32A	comp=Z,2um,21.0s							
HKW	Hockley	120.36	306	PFAKE	LR	LR	19 40 50.0	+12
HKW	comp=Z,2um,20.0s							
WRAK	Wrangell Islan	120.63	349	PFAKE	LR	LR	19 40 50.0	+12
WRAK	comp=Z,1um,18.0s							

WMOK	Wichita Mounta	120.68	313	ePKPdf	LR	PKIKP	19 40 38.7	0.0
WMOK	comp=Z,3um,19.0s							
WMOK	Wichita Mounta	120.68	313	ePKIKP	MLR	PKIKP	19 40 38.7	0.0
WMOK	comp=Z,3um,19.0s							
WMOK	Wichita Mounta	120.68	313	P	PKIKP	LR	19 40 38.6	0.0
WMOK	baz=63							
KDAK	Kodiak Island	120.79	2	PFAKE	LR	LR	19 40 50.0	+12
KDAK	comp=Z,900nm,22.0s							
WHTX	Lake Whitney,	120.85	309	PFAKE	LR	LR	19 40 50.0	+11
WHTX	comp=Z,2um,20.0s							
WHTX	Lake Whitney,	120.85	309	P	PKPdf	LR	19 40 38.7	-0.2
WHTX	baz=66							
CCIG	Comitan	121.05	290	PFAKE	LR	LR	19 40 50.0	+10
CCIG	comp=Z,2um,21.0s							
WALA	Waterton Lakes	121.14	334	PFAKE	LR	LR	19 40 50.0	+11
WALA	comp=Z,2um,20.0s							
KSCO	Kaye Shedlock	121.29	319	P	PKIKP	LR	19 40 40.1	+0.3
KSCO	comp=Z,3um,19.0s							
OHAK	Old Harbor	121.32	3	PFAKE	LR	LR	19 40 50.0	+11
OHAK	comp=Z,1um,19.0s							
435B	Jarrell	121.44	308	PFAKE	LR	LR	19 40 50.0	+10
435B	comp=Z,3um,19.0s							
435B	Jarrell	121.44	308	P	PKPdf	LR	19 40 39.9	-0.2
435B	baz=62							
RLMT	Red Lodge	121.63	328	PFAKE	LR	LR	19 40 50.0	+10
RLMT	comp=Z,2um,20.0s							
RLMT	Red Lodge	121.63	328	P	PKIKP	LR	19 40 40.8	+0.3
RLMT	baz=49							
K22A	Casper	121.66	324	PFAKE	LR	LR	19 40 50.0	+9.5
K22A	comp=Z,2um,21.0s							
K22A	Casper	121.66	324	P	PKPdf	LR	19 40 39.9	-0.5
K22A	baz=52							
CRAG	Craig	121.68	349	PFAKE	LR	LR	19 40 50.0	+10
CRAG	comp=Z,2um,19.0s							
PHWY	Pilot Hill	121.82	322	PFAKE	LR	LR	19 40 50.0	+8.9
PHWY	comp=Z,2um,18.0s							
CHGN	Chignik	121.84	6	PFAKE	LR	LR	19 40 50.0	+10
CHGN	comp=Z,1um,18.0s							
ADK	Adak	121.88	20	PFAKE	LR	LR	19 40 50.0	+10
ADK	comp=Z,1um,20.0s							
SII	Sitkinak Islan	121.93	3	PFAKE	LR	LR	19 40 50.0	+10
SII	comp=Z,1um,20.0s							
ABTX	Ablene, Hawle	122.26	311	ePKPdf	LR	PKIKP	19 40 42.3	+0.5
ABTX	comp=Z,2um,20.0s							
ABTX	Ablene, Hawle	122.26	311	P	PKIKP	LR	19 40 42.1	+0.3
ABTX	baz=64							
N23A	Red Feather La	122.36	322	ePKPdf	LR	PKIKP	19 40 42.3	+0.2
N23A	comp=Z,2um,20.0s							
N23A	Red Feather La	122.36	322	P	PKPdf	LR	19 40 41.5	-0.4
N23A	baz=54							
ATKA	Atka Island	122.41	18	PFAKE	LR	LR	19 40 50.0	+8.6
ATKA	comp=Z,1um,18.0s							
BOZ	Bozeman (W)	122.54	330	ePKPdf	LR	PKIKP	19 40 43.0	+0.9
BOZ	comp=Z,2um,20.0s							
BOZ	Bozeman (W)	122.54	330	P	PKIKP	LR	19 40 42.7	+0.5
BOZ	baz=46							
CHIA	Chirikof Islan	122.56	4	PFAKE	LR	LR	19 40 50.0	+8.4
CHIA	comp=Z,2um,21.0s							
LKWY	Lake	122.60	328	PFAKE	LR	LR	19 40 50.0	+7.5
LKWY	comp=Z,3um,20.0s							
RWWY	Rawlins	122.65	324	PFAKE	LR	LR	19 40 50.0	+7.4
RWWY	comp=Z,3um,20.0s							
YHH	Holmes Hill	122.69	328	ePKPdf	LR	PKIKP	19 40 43	

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IM3 Indian Mountain, KAHC Katmai Hardscr, EGAK Eagle, etc.

IDC 03 19:41:05.0, 0.6, 44.69S, 167.86E, h0km, mb4.0/10, mb1.4 5/11, mb1mx4.5/24, mbtmp4.4/11, ML4.9/1, MS5.2/2, Ms1.5/2.2, ms1mx4.4/22, Error ellipse: s-maj=21.9km s-min=18.1km az=100.

BUI 03 19:41:04.5, 0.0, 45.11S, 167.29E, h5km, mb5.2/5, mb5.3/1, Ms5.3/2, Ms7.5/2

NEIC 03 19:41:06.0, 0.0, 44.47S, 167.84E, h5km, mb5.0/7, MW4.6, ML5.3(WEL) Best double couple: NP1.0, 81.00000, 0.33, 0.00000, A-58.00000, NP2.0, 223.00000, 0.62, 0.00000, 1-11.0, 0.00000, Principal axes: T 920.00, P175.00000, N Azm328.00000, N1=21.000, P1g17.00000, Azm15.00000, P -1.1400, P1g67.00000, Azm97.00000, After WEL.

WEL 03 19:41:07.4, 4.5 S, 2.16 E, h5km, 1km, M5.1/3, mb5.4/5, ML5.4/26, MLV5.2/35, Mw(MB)4.8/5, Error ellipse: s-maj=0.0km s-min=0.0km az=96.

ISCJB 03 19:41:08.2, 0.3, 44.43S, 0.02E, 167.96E, 0.0/4, h33km, mb4.7/19, Error ellipse: s-maj=4.4km s-min=2.9km az=38.6.

ISC 03 19:41:05.8, 1.4, 44.49S, 0.04E, 167.81E, 0.0/4, h3km, gkm, n190, 0.1, 147/186, mb4.7/19, 5C-2D, South Island

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSZ Milford Sound, MSZ, JCZ Jackson Bay, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TOZ Tahuroa Road, AWAZ Awitua Peninsula, WTAZ Waitarua, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, ASAR Eagle Springs, CMAR Chiang Mai Arr, etc.

WEL 03 19:46:58.4, 45 S, 2.16 E, h5km, 1km, M3.4/14, ML3.5/13, MLV3.4/14, Error ellipse: s-maj=0.0km s-min=0.0km az=91.2, South Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSZ Milford Sound, MSZ, MLZ Mavora Lakes, etc.

ROM 03 19:50:31.5, 0.1, 43.43N, 0.004E, 13.131E, 0.0/07, h9km, ML2.5/30, Error ellipse: s-maj=0.6km s-min=0.2km az=61.0.

ISCJB 03 19:50:32.0, 0.2, 0.3, 43.44N, 0.02E, 13.14E, 0.0/3, h10km, 5km, Error ellipse: s-maj=4.0km s-min=2.7km az=143.8.

ISC 03 19:50:32.0, 0.8, 43.44N, 0.02E, 13.14E, 0.0/2, h9km, 5km, n44, 0.92/62.1, Central Italy

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

3d 20h

Table with columns for station name, coordinates, and various parameters. Includes stations like FOSV, FRON, MPAG, CSP1, FSSB, FDMO, ATFO, PIEI, CESI, MURB, and PE3.

2013 JUL

Table with columns for station name, coordinates, and various parameters. Includes stations like PE3, ATPI, AVT-Monte Val, PESA, NRCA, BADI, PARC, GUMA, SMA1, LNSS, TERO, and FIAM.

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Table with columns for station name, coordinates, and various parameters. Includes stations like FIAM, FAGN, DUGI, NVLJ, ZIRJ, MORI, KIJV, MAKARSKA, OBKA, ABTA, KBA, FETA, SQTA, and MOTA.

Table with columns for station name, coordinates, and various parameters. Includes stations like MSZ, JCY, WANAKA, MLZ, DCZ, EAZ, WHZ, LBZ, FOZ, TUPEKA, PYZ, OTAHUA, SYZ, GCSZ, APZ, HHSZ, RPF, WVZ, INZ, EYCW, MOZ, LTZ, AKCZ, AMCZ, OKCZ, DSZ, GVZ, THZ, QNZ, NNZ, TUWZ, TCW, DUWZ, KHEZ, and PKE.

Table with columns for station name, coordinates, and various parameters. Includes stations like MBAR, KMB, KOND, KIBA, TOR, SUR, AKAS, GERES, FINES, MKAR, and MAW.

Table with columns for station name, coordinates, and various parameters. Includes stations like PGP, LUBP, SUMP, and SUMP.

Table with columns for station name, coordinates, and various parameters. Includes stations like EZSV, CJM, MIAG, ARIG, and ARIG.

GCMT 03.20:13.36.3.0.2,32.052S,0.01179,96W,0.01,
h222km,1km,MW5,4/118,Moment Tensor Solution.
s84,c123, s118,c180. Duration: 1s2. Moment tensor:
Scale 10¹⁷Nm; *M*₁₁=0.84±.03; *M*₂₂=0.29±.03; *M*₃₃=1.13±.03;
*M*₁₂=0.65±.03; *M*₁₃=0.12±.03; *M*₂₃=0.94±.03; Best double
couple: *M*₁₁=0.53700±.0107; *M*₁₂=0.24000±.07200000;
λ=65.00000°; NP2=0.148.00000°; 830.00000°.
λ=142.00000°. Principal axes: T 1.5190, P1g3.0000°.
Az=95.0000°; N 0.0350, P1g3.0000°; Azm195.0000°;
-1.5550, P1g56.0000°; Azm326.0000°; *n*stai refers to
body waves, *c*utoff=40s. *n*stai2 refers to surface waves,
*c*utoff=50s. *T*rial-rate function

NEIC 03.20:13.37.3.1.5,32.233S,179.90E,h250km,4km,
mb5.1/127 Error ellipse: s-maj=15.1km s-min=12.9km
az=97.0

ISC 03.20:13.36.7.0.2,32.388S,0.04179,96W,0.05,h250km,
n722,c1976/741,mb5.1/148,25C-21D, South of
Kermadec Islands

Code	Station Name	A°	AZ°	Phase ID	Time	Res
GLKZ	Green Lake	3.57	30	Op	h m s	ISC
RAO	Raoul Island	3.58	30	eP	10 24 27.1	-8.6
RAO	Raoul Island	3.58	30	eP	10 14 27.1	-8.5
RIZ	Raoul Island	3.58	30	S	10 15 10.0	-1.2
WXZ	Matakaoa Point	5.37	195	eP	10 14 52.7	-4.2
WXZ	Matakaoa Point	5.37	195	eP	10 14 52.7	-4.2
GRZ	Great Bays	5.19	127	eP	10 14 58.7	+1.2
WMGZ	Waioamatini S	5.95	193	P	10 14 57.5	-2.1
KUZ	Kuaotunu	5.63	218	P	10 15 01.3	+1.2
HAZ	Te Kaha	5.68	198	P	10 14 58.3	-2.3
PKGZ	Pakihiora	5.73	196	P	10 14 58.3	-3.1
PUZ	Pukitahi	5.87	194	P	10 14 59.7	-4.0
PUZ	Pukitahi	5.87	194	S	10 16 07.7	-4.4
RUGZ	Raukumara Rang	5.90	198	P	10 15 01.7	-1.9
RUGZ	Raukumara Rang	5.90	198	S	10 16 08.4	-4.7
WAZ	Waipu Caves	5.91	231	P	10 15 05.0	+1.4
WIHZ	Waiteke Island	5.98	221	P	10 15 06.8	+2.1
WHRZ	Whale Island	6.30	206	P	10 15 12.9	+1.9
TWGW	Tauwhareparea	6.03	196	P	10 15 02.3	-2.8
TWGW	Tauwhareparea	6.03	196	S	10 16 13.1	-2.8
Ouz	Omahuta	6.07	240	ePn	10 15 06.4	+0.8
Ouz	Omahuta	6.07	240	P	10 15 06.5	+0.9
OPRZ	Ohinepanea	6.16	207	P	10 15 04.4	-2.3
MKAZ	Moumouka	6.20	207	P	10 15 09.7	+2.0
MARZ	Manawhea	6.24	205	P	10 15 08.0	+0.3
CNGZ	Carnagh Statio	6.27	193	P	10 15 04.6	-3.5
MWZ	Matawai	6.29	198	P	10 15 04.8	-3.5
MWZ	Matawai	6.29	198	S	10 16 23.3	+1.5
TKGZ	Te Karaka	6.31	196	S	10 16 20.1	-2.0
EDRZ	Edgecumbe	6.32	204	P	10 15 09.3	+0.5
EDRZ	Edgecumbe	6.32	204	P	10 16 26.1	+3.5
URZ	Urewera	6.34	201	P	10 15 05.8	-3.1
URZ	Urewera	6.34	201	S	10 16 15.0	-7.8
URZ	Urewera	6.34	201	ePn	10 16 05.1	-3.8
URZ	Urewera	6.34	201	P	10 15 06.1	-2.8
URZ	Urewera	6.34	201	P	10 16 23.7	+0.9
LRZ	Lake Rotomans R	6.38	207	P	10 15 12.9	+1.9
OMRZ	Omania	6.46	207	P	10 15 07.3	-3.2
RAGZ	Ranui	6.47	199	P	10 15 07.1	-3.5
TOZ	Tahuroa Road	6.51	214	P	10 15 11.7	+0.6
RIGZ	Rimu	6.58	196	P	10 15 07.9	-4.1
RIGZ	Rimu	6.58	196	P	10 15 07.9	-4.1
HLRZ	Highlands Stas	6.59	206	P	10 15 12.8	+0.7
HSRZ	Hosack Road	6.68	207	P	10 15 14.4	+1.1
SNGZ	Shannon Statio	6.76	198	P	10 15 10.2	-4.0
PRZ	Paritua Road	6.78	194	P	10 15 10.5	-3.8
ALRZ	Allen Road	6.87	205	P	10 15 12.5	-3.0
WPRZ	Whakapaparin	6.90	206	P	10 15 17.8	+0.8
KNZ	Kokohu	6.90	196	P	10 15 09.7	-6.3
MHGZ	Mahia Peninsula	6.98	194	P	10 15 11.8	-5.2
TLZ	Tolley Road	6.98	211	P	10 15 19.6	+2.5
MRHZ	Matea Rd	7.08	204	P	10 15 16.2	-2.1
WHRZ	Whakaora	7.10	200	P	10 15 19.0	+0.4
NMHZ	Naumai	7.20	200	P	10 15 17.7	-2.5
NMHZ	Naumai	7.20	200	P	10 15 17.9	-2.0
WATZ	Wairara	7.22	208	P	10 15 21.5	+1.4
ARHZ	Aropanouiri	7.30	199	P	10 15 18.3	-2.7
RAIZ	Rangitukia	7.35	207	P	10 15 22.9	+1.2
RAIZ	Black Stump Fm	7.35	207	ePn	10 15 23.0	-1.4
BKZ	Black Stump Fm	7.36	202	P	10 15 21.3	-0.5
BKZ	Black Stump Fm	7.36	202	P	10 15 20.5	-1.3
RITZ	Rihia Road	7.41	206	P	10 15 22.7	+0.3
RITZ	Rihia Road	7.41	206	P	10 15 21.5	-0.9
HIZ	Hauti	7.44	213	ePn	10 15 22.3	-0.5
KATZ	Kakaramea	7.47	207	P	10 15 21.7	+0.7
MCHZ	McNeill Hill	7.55	200	P	10 15 21.3	-2.9
MCHZ	McNeill Hill	7.55	200	P	10 15 23.0	-1.3
KRVZ	Karewarewa	7.59	207	P	10 15 24.6	-0.3
KWHZ	Kaweka Forest	7.62	202	P	10 15 21.8	-3.3
KWHZ	Kaweka Forest	7.62	202	P	10 15 24.6	-1.1
WGHZ	West Gortario	7.63	207	P	10 15 22.2	-0.1
CKHZ	Cape Kidnapper	7.65	197	P	10 15 21.2	-4.3
CKHZ	Cape Kidnapper	7.65	197	P	10 15 24.0	-1.5
TWVZ	Taurewa	7.65	208	P	10 15 25.3	-0.3
NGZ	Ngauruhoe	7.68	207	P	10 15 24.6	-1.4
NGZ	Ngauruhoe	7.68	207	P	10 15 25.7	-4.9
TUVZ	Tukino	7.74	206	P	10 15 25.5	-1.3
FWVZ	Far West T-bar	7.77	207	P	10 15 24.0	-3.2
BHZ	Black Hill Sta	7.79	203	P	10 15 23.3	-4.1
BHZ	Black Hill Sta	7.79	203	P	10 15 24.0	-3.4
MOVZ	Mowhango	7.83	205	P	10 15 24.9	-2.9
KAZH	Kahurangi	7.83	204	P	10 15 22.4	-4.8
KRHZ	Kereru	7.83	201	P	10 15 22.9	-4.9
KRHZ	Kereru	7.83	201	P	10 15 24.0	-3.9
PXZ	Pawanui	8.06	198	P	10 15 26.1	-4.4
PXZ	Pawanui	8.06	198	P	10 15 27.9	-3.7
PNHZ	Pukenui	8.13	201	P	10 15 27.9	-3.7
PNHZ	Pukenui	8.13	201	P	10 15 27.9	-3.7
WPHZ	Waipukurau	8.20	200	P	10 15 30.1	-2.4
PRHZ	Porangahau	8.34	198	P	10 15 30.1	-4.0
DVHZ	Dannevirke	8.50	200	P	10 15 32.5	-3.7
ANWZ	Angora Road	8.56	199	P	10 15 35.0	-2.0
OHWZ	Ohakea	8.56	199	P	10 15 35.0	-2.0
POWZ	Post Office Ro	8.71	201	P	10 15 38.2	-1.7
PRWZ	Porirua	8.79	202	P	10 15 38.2	-1.7
BFZ	Birch Farm	8.83	199	eP	10 15 34.2	-6.2
BFZ	Birch Farm	8.83	199	P	10 15 38.2	-2.2
MRZ	Mangatainoka R	9.01	202	P	10 15 38.2	-4.5
TWVZ	Tintock	9.02	201	P	10 15 39.1	-3.7
CPWZ	Castlepoint	9.05	199	P	10 15 40.6	-2.6
HOWZ	Holdsworth Sta	9.25	202	P	10 15 40.6	-5.0
MTW	Mount Morrison	9.49	201	P	10 15 44.8	-3.9
TRWZ	Traveller	9.65	200	P	10 15 47.0	-3.8
PAWZ	Paruwha Farm	9.75	201	P	10 15 48.7	-4.8
MSWZ	Mokau Station	9.80	202	P	10 15 48.4	-4.2
WEL	Wellington	9.84	204	P	10 15 49.6	-3.4
WEL	Wellington	9.84	204	P	10 17 37.5	-6.3
SNZO	South Karori	9.88	204	eP	10 15 47.2	-6.4
BHWZ	Baring Head	9.91	203	P	10 15 48.4	-5.6
PLWZ	Palliser	12.25	204	P	10 15 48.4	-5.6
TCW	Tory Channel	9.95	206	P	10 15 50.2	-4.3
TUWZ	Tuamarina	10.27	207	P	10 15 53.8	-4.6
NNZ	Nelson	10.31	209	P	10 15 54.8	-4.2
CMWZ	Cape Campbell	10.44	205	P	10 15 58.2	-2.5
CMWZ	Cape Campbell	10.44	205	P	10 15 58.5	-2.2
BSWZ	Blackbirch Sta	10.54	206	P	10 15 57.7	-4.2
BSWZ	Blackbirch Sta	10.54	206	P	10 15 58.5	-3.4
THZ	Topohue	10.96	209	ePn	10 16 03.0	-4.3
THZ	Topohue	10.96	209	P	10 16 03.1	-4.1
THZ	Topohue	10.96	209	P	10 16 04.6	-2.6
KNHZ	Kahutara	11.27	205	P	10 16 04.7	-6.1
KNHZ	Kahutara	11.27	205	P	10 16 05.1	-5.9
DSZ	Denniston Nort	11.43	213	P	10 16 11.3	-1.7
GVZ	Greta Valley S	11.93	206	P	10 16 14.8	-4.5
LITZ	Lake Taylor	12.07	208	ePn	10 16 16.6	-4.4
LITZ	Lake Taylor	12.07	208	P	10 16 17.3	-3.8
AMCZ	Ambury	12.25	204	P	10 16 21.3	-3.4
INZ	Inchbonnie	12.37	211	P	10 16 21.3	-3.4
OKCZ	Ockins Bay	12.59	204	P	10 16 23.8	-3.5
CR LZ	Canterbury Lary	12.61	205	P	10 16 26.4	-1.3
OXZ	Oxford	12.62	208	ePn	10 16 23.2	-4.5
OXZ	Oxford	12.62	208	P	10 16 24.1	-3.7
MOZ	McQueen's Vall	12.62	205	ePn	10 16 24.2	-4.2
MOZ	McQueen's Vall	12.62	205	P	10 16 23.8	-5.1

AKCZ	Akaroa Harbour	12.77	204	P	10 16 26.6	-3.0
RPZ	Rata Peaks	13.34	209	P	10 16 32.0	-4.6
RPZ	Rata Peaks	13.34	209	P	10 18 51.6	-1.3
RPZ	15m,0.3s,baz=123,slow=23,SNR=14			S		
RPZ	Rata Peaks	13.34	209	eP	10 16 31.9	-4.8
RPZ	Rata Peaks	13.34	209	P	10 16 33.5	-3.2
RPZ	Rata Peaks	13.34	209	P	10 16 37.6	-3.9
FOZ	Fox Glacier	13.74	213	ePn	10 16 43.5	-4.2
LBZ	Lake Benmore	14.25	210	ePn	10 16 49.2	-2.8
ODZ	Otaia Downs	14.63	207	P	10 16 53.6	-0.7
PINNC	Pinnacles	14.80	308	eP	10 16 55.6	-2.6
MARNC	Mare, Loyalty	15.23	312	eP	10 17 05.9	+6.1
MARNC	Mare, Loyalty	15.23	312	P	10 17 01.4	-2.7
ONTNC	Oeno Taro	15.68	306	eP	10 17 06.0	0.0
DZM	Mont Dzumac	15.85	307	P	10 17 06.4	-0.7
DZM	Mont Dzumac	15.85	307	P	10 17 06.2	-0.9
DZM	Mont Dzumac	15.85	307	P	10 17 06.2	-0.9
RAR	Rarotonga	21.14	63	P	10 18 02.2	-0.4
ARMA	Armidale	23.40	267	eP	10 18 34.6	+2.8
ARMA	Armidale	23.40	267	P	10 18 34.9	+3.2
MGCD	Mangrove Creek	24.30	260	P	10 18 35.2	+3.5
CNB	Canberra Magne	25.60	255	P	10 18 46.3	+3.0
CAN	Canberra	25.89	255	eP	10 18 48.0	+2.0
CAN	Canberra	25.89	255	P	10 18 48.0	+2.0
EIDS	Eidsvold	26.25	278	eP	10 18 49.9	+0.7
EIDS	Eidsvold	26.25	278	P	10 18 50.1	+0.9
YNG	Young	26.45	257	P	10 18 52.7	+1.8
RMQ	Rossmore	27.81	274	P	10 19 04.0	+1.0
TOO	Toolangi	28.68	250	eP	10 19 12.4	+1.7
TOO	Toolangi	28.68	250	P	10 19 12.8	+2.1
TOO	Toolangi	28.68	250	eP	10 19 12.4	+1.7
TOO	Toolangi	28.68	250	P	10 19 16.2	+2.0
CMSA	Colaba Meteorolo	29.08	262	P	10 19 16.1	-1.4
HNR	Honiara	29.45	316	P	10 19 16.2	-1.4
HNR	Honiara	29.45	316	P	10 19 16.2	-1.4
HNR	Honiara	29.45	316	eP	10 19 16.2	-1.4
HNR	Honiara	29.45	316	P	10 19 16.2	-1.4
HNR	Honiara	29.45	316	eP	10 19 16.2	-1.4
HNR						

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Villa Florida, Terra Rica, Las Campanas, etc.

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

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

WEL 03 20:28:17.1, 45°S, 126°16'8"E, h5km, 1km, M3.6/18, m-L3.7/14, MLV3.6/18, Error ellipse: s-maj=0.0km

ATH 03 21:03:35.0, 35°04'N, 23°15'E, h39km, 3km, ML2.4/4, Error ellipse: s-maj=6.4km s-min=1.4km az=50.0

THE 03 21:03:35.6, 35°03'N, 23°12'E, h24km, 1km, ML2.4/5, Error ellipse: s-maj=2.2km s-min=0.6km az=184.0

ISK 03 21:03:36.2, 35°09'N, 23°28'E, h26km, ML3.5/3, Error ellipse: s-maj=35.9±1.8, 35.06N-0.07±23.16E:0.07, h23km±15km, h35, ±0.64/45, Crete

WEL 03 20:41:10.7±0.5, 1°58N, 0°05:30.94E±0°08, h10km, mb4.0/10, Error ellipse: s-maj=11.4km s-min=6.6km az=176.1

ICD 03 20:41:11.6±1.0, 1°00N, 30°82E, h0km, mb3.6/5, mb1.3/8.7, mb1mx3.6/3.1, mbtmp3.77, ML4.3/3, MS3.1/2, M1.3/1.2, ms1mx2.9/3.5, Error ellipse: s-maj=27.8km s-min=18.4km

NEIC 03 20:41:12.7±2.8, 1°55N, 30°98E, h1km, 4km, mb4.4/4, Error ellipse: s-maj=11.4km s-min=7.6km az=162.0

ISC 03 20:41:12.4±0.6, 1°49N, 0°05:31.11E±0°08, h10km, m24, ±0.196/27, mb3.8/10, 2C, Uganda

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

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

3d 21h

Table of astronomical observations for 3d 21h, listing stations like WMQ, MKAR, and various object names with associated coordinates and magnitudes.

2013 JUL

Table of astronomical observations for 2013 JUL, listing stations like KIV, KBZ, and various object names with associated coordinates and magnitudes.

180

Table of astronomical observations for 180, listing stations like LDF, LOR, and various object names with associated coordinates and magnitudes.

IGQ 03 21:24:46.2, 0.6, 3'S, 4.8'W ±, h10km, MLV3.5, Near coast of Ecuador

Table of astronomical observations for IGQ 03 21:24:46.2, 0.6, 3'S, 4.8'W ±, listing stations like APLA, MORR, and various object names.

MAN 03 21:32:48.0, 6.15N, 125.10E, h61km, mb3.5, ML2.2, MS1.7, 1D, Mindanao

Table of astronomical observations for MAN 03 21:32:48.0, 6.15N, 125.10E, listing stations like GSPH, DDMP, and various object names.

BGS 03 21:37:01.0, 1.2, 48.54N, 1.89W, h8km, 5km, ML2.0
LDG 03 21:37:01.6, 0.1, 48.56N, 1.88W, h5km, Md2.8/2, Ml2.8/20, Error ellipse: s-maj=1.7km s-min=1.3km az=27.0

Table of astronomical observations for BGS and LDG, listing stations like GSPH, DDMP, and various object names.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NKCC, AVF, TCF, BRG, etc.

Table with columns for call letters, frequency, power, and other technical details. Includes stations like IIGN, AKTO, UCC, ISAL, etc.

Table with columns for call letters, frequency, power, and other technical details. Includes stations like PRGR, NB2, NOA, NBOO, etc.

GVA	S	S	22 43 55.2	-0.7	
GVA	SKS	SKS	22 44 13.7	-7.8	
GVA	SS	SS	22 48 51.2	-0.1	
GVA	pmax	pmax			
comp-Z,20nm,0.7s					
GVA	LR	LR			
comp-Z,150nm,5.4s					
GVA	LR	LR			
comp-Z,90nm,17.4s					
GVA	LR	LR			
comp-Z,170nm,16.2s					
GVA	LR	LR			
comp-Z,240nm,16.8s					
ZAK	77.64	39	eP	P	22 34 15.5
ZAK	Zakamensk				+0.2
comp-Z,6.0nm,1.5s					
TLH	78.15	37	PFAKE	LR	22 34 30.0
TLY	Talaya				+12
comp-Z,500nm,19.0s					
TLY	Talaya	78.15	37	eP	P
TLY					22 34 19.3
TLY					+1.3
comp-Z,27nm,1.5s					
QIZ	79.04	71	P	S	22 34 18.5
QIZ	Qiongzong				-5.1
comp-Z,1.1nm,0.4s,baz=246,slow=3.7,SNR=19					
QIZ	Qiongzong	79.04	71	P	S
QIZ					22 44 19.0
QIZ					-3.5
comp-N,290nm,18.6s					
QIZ	LR	LR			
comp-E,380nm,18.2s					
QIZ	LR	LR			
comp-Z,140nm,22.1s					
SOMM	79.15	42	P	P	22 34 25.3
SOMM	Songino Array				+1.5
comp-Z,1.1nm,0.4s,baz=246,slow=3.7,SNR=19					
SOMM	Xi'an	79.22	56	P	P
SOMM					23 13 34.5
comp-Z,510nm,19.1s,baz=265,slow=39					
XAN	Xi'an	79.22	56	P	P
XAN					22 34 25.0
XAN					+0.7
comp-Z,7.0nm,1.4s					
XAN	Xi'an	79.22	56	P	P
XAN					22 34 24.9
XAN					+0.7
comp-Z,7.0nm,1.4s					
XAN	LR	LR			
comp-Z,170nm,14.6s					
XAN	LR	LR			
comp-Z,200nm,15.4s					
XAN	LR	LR			
comp-Z,210nm,14.2s					
ULN	79.59	42	eP	P	22 34 26.4
ULN	Ulanbaatar				+0.2
comp-Z,18nm,1.5s					
ULN	LR	LR			
comp-Z,400nm,20.0s					
ULN	Ulanbaatar	79.59	42	eP	P
ULN					22 34 27.4
ULN					+1.2
comp-Z,22nm,2.5s					
BDFB	79.75	254	P	P	22 34 27.8
BDFB	Brasilia				+0.2
comp-Z,1.5nm,0.5s,baz=69,slow=5.6,SNR=3.6					
BDFB	Ammassalik, Gr	79.88	37	PFAKE	LR
BDFB					22 34 40.0
BDFB					+1.3
comp-Z,768nm,19.0s,baz=91,slow=33					
DAG	Danmarks Havn	79.93	350	iP	P
DAG					22 34 27.0
DAG					-0.2
comp-Z,10.0nm,1.0s					
DAG	Danmarks Havn	79.93	350	iP	P
DAG					22 34 27.0
DAG					-0.2
comp-Z,9.7nm,1.0s					
NRS	Narsarsuaq	82.09	332	PFAKE	LR
NRS					22 34 50.0
NRS					+1.1
comp-Z,700nm,18.0s					
SUMG	Summit	82.46	343	eP	P
SUMG					22 34 41.6
SUMG					+0.4
comp-Z,20nm,1.2s					
SUMG	Summit	82.46	343	iP	P
SUMG					22 34 41.6
SUMG					+0.4
comp-Z,53nm,1.2s					
SUMG	Summit	82.46	343	iP	P
SUMG					22 34 41.6
SUMG					+0.4
comp-Z,53nm,1.2s					
IVI	Ivigut	82.42	331	PFAKE	LR
IVI					22 35 00.0
IVI					+1.4
comp-Z,700nm,19.0s					
WHN	Wuhan	83.58	60	iP	P
WHN					22 34 49.7
WHN					+2.3
comp-Z,9.7nm,1.0s					
BOD	Bodaibo	85.04	32	eP	P
BOD					22 34 54.6
BOD					+0.4
comp-Z,56nm,1.7s					
BJT	Baijiatuu	85.39	50	PFAKE	LR
BJT					22 35 10.0
BJT					+1.4
comp-Z,200nm,19.0s					
NJ2	Nanjing	87.46	58	eP	P
NJ2					22 35 08.4
NJ2					+1.7
comp-Z,9.0nm,0.9s					
DRLN	Deer Lake	87.82	319	PFAKE	LR
DRLN					22 35 20.0
DRLN					+1.2
comp-Z,700nm,20.0s					
HIA	Hailar	88.10	41	PFAKE	LR
HIA					22 35 20.0
HIA					+1.1
comp-Z,500nm,18.0s					
KAPI	Kappang	88.98	95	PFAKE	LR
KAPI					22 35 30.0
KAPI					+1.6
comp-Z,400nm,21.0s					
CPUP	Villa Florida	89.08	244	P	P
CPUP					22 35 14.6
CPUP					0.0
comp-Z,4.7nm,1.0s,baz=122,slow=9.5,SNR=2.9					
CPUP	Pitinga	90.90	269	eP	P
CPUP					23 13 28.4
comp-Z,426nm,18.1s,baz=93,slow=34					
PTGA	Pitinga	90.90	269	eP	P
PTGA					22 35 23.4
PTGA					+0.1
comp-Z,34nm,1.5s					
TIXI	Tiksi	91.08	18	PFAKE	LR
TIXI					22 35 30.0
TIXI					+7.1
comp-Z,300nm,20.0s					
TIXI	Tiksi	91.08	18	eP	P
TIXI					22 35 21.7
TIXI					-1.2
comp-Z,5.0nm,1.3s					
QSPA	South Pole Qui	91.54	180	eP	P
QSPA					22 35 25.8
QSPA					+0.5
comp-Z,1.1nm,1.0s					
HAL	Halifax	92.16	315	PFAKE	LR
HAL					22 35 40.0
HAL					+1.2
comp-Z,500nm,19.0s					
CN2	Changchun	92.24	46	eP	P
CN2					22 35 29.1
CN2					+0.2
comp-Z,2.1nm,1.0s					
YAK	Yakutsk	92.79	28	PFAKE	LR
YAK					22 35 40.0
YAK					+9.0
comp-Z,199nm,20.0s					
YAK	Yakutsk	92.79	28	eP	P
YAK					22 35 30.1
YAK					-0.9
comp-Z,1.1nm,1.0s					
YAK	Yakutsk	92.79	28	ePP	S
YAK					22 35 38.6
YAK					-0.3
comp-Z,1.1nm,1.0s					
YAK	Yakutsk	92.79	28	ePPP	SS
YAK					22 41 11.9
YAK					-3.8
comp-Z,1.1nm,1.0s					
YAK	Yakutsk	92.79	28	eSS	SS
YAK					22 46 34.0
YAK					-3.0
comp-Z,600nm,21.0s					
LMN	Caledonia Moun	92.91	316	PFAKE	LR
LMN					22 35 40.0
LMN					+8.0
comp-Z,400nm,19.0s					
SCHQ	Schefferville	93.24	325	LR	LR
SCHQ					23 16 18.2
comp-Z,258nm,19.9s,baz=100,slow=35					
SCHQ	Schefferville	93.24	325	PFAKE	LR
SCHQ					22 35 40.0
SCHQ					+6.7
comp-Z,400nm,22.0s					
SMRT	St. Maarten	93.33	288	PFAKE	LR
SMRT					22 35 50.0
SMRT					+1.6
comp-Z,300nm,22.0s					
SABA	Saba	93.50	288	PFAKE	LR
SABA					22 35 50.0
SABA					+1.5
comp-Z,400nm,18.0s					
BATG	Bathurst New B	93.63	317	PFAKE	LR
BATG					22 35 50.0
BATG					+1.5
comp-Z,600nm,19.0s					
GGN	Saint George	94.41	315	PFAKE	LR
GGN					22 35 50.0
GGN					+1.1
comp-Z,600nm,19.0s					
KSRs	Korea Array	94.66	52	LR	LR
KSRs					23 23 52.3
comp-Z,1.1nm,18.3s,baz=290,slow=39					
EMMW	East Machias	94.89	315	PFAKE	LR
EMMW					22 35 50.0
EMMW					+8.9
comp-Z,600nm,21.0s					
POI	Presque Isle	95.03	317	PFAKE	LR
POI					22 35 50.0
POI					+8.3
comp-Z,400nm,20.0s					
CUPR	Culebra, Puert	95.41	288	PFAKE	LR
CUPR					22 35 50.0
CUPR					+6.0
comp-Z,600nm,21.0s					
CBYP	Canovanas	95.95	288	PFAKE	LR
CBYP					22 36 00.0
CBYP					+1.3
comp-Z,400nm,21.0s					
PKME	Peaks-Kenny Pk	96.11	316	PFAKE	LR
PKME					22 36 00.0
PKME					+1.3
comp-Z,600nm,22.0s					
WVL	Waterville	96.47	315	PFAKE	LR
WVL					22 36 00.0
WVL					+1.2

comp-Z,700nm,20.0s					
ICMP	Isla Caja de M	96.61	288	PFAKE	LR
ICMP					22 36 00.0
ICMP					+1.1
comp-Z,600nm,22.0s					
USRK	Ussurisk Ar	96.89	45	LR	LR
USRK					23 25 37.9
comp-Z,321nm,18.1s,baz=288,slow=39					
WES	Weston	98.00	313	PFAKE	LR
WES					22 36 10.0
WES					+1.5
comp-Z,400nm,19.0s					
FFD	Franklin Falls	98.06	314	PFAKE	LR
FFD					22 36 10.0
FFD					+1.4
comp-Z,500nm,19.0s					
LBNH	Lisbon	98.13	315	PFAKE	LR
LBNH					22 36 10.0
LBNH					+1.4
comp-Z,300nm,20.0s					
HRV	Adam Dziewiosk	98.16	313	PFAKE	LR
HRV					22 36 10.0
HRV					+1.4
comp-Z,400nm,18.0s					
HNH	Hanover	98.48	314	PFAKE	LR
HNH					22 36 10.0
HNH					+1.3
comp-Z,300nm,20.0s					
VT1	Waterbury	98.69	315	PFAKE	LR
VT1					22 36 10.0
VT1					+1.2
comp-Z,500nm,20.0s					
QUAZ	Belchertown	98.78	313	PFAKE	LR
QUAZ					22 36 10.0
QUAZ					+1.1
comp-Z,400nm,18.0s					
LPAZ	La Paz	99.10	254	LR	LR
LPAZ					23 19 42.7
comp-Z,306nm,18.9s,baz=98,slow=35					
FRNY	Fiat Rock	99.18	316	PFAKE	LR
FRNY					22 36 10.0
FRNY					+1.0
comp-Z,500nm,21.0s					
TRY	Troy	99.65	314	PFAKE	LR
TRY					22 36 10.0
TRY					+7.4
comp-Z,300nm,19.0s					
PLCA	Paso Flores	99.67	229	LR	LR
PLCA					23 14 55.4
comp-Z,223nm,21.6s,baz=100,slow=32					
VNDA	Vand	99.68	170	LR	LR
VNDA	</				

V51A V51A	Louden	109.36 309	PFAKE LR	LR	22 41 00.0 +10
INX INX	comp=Z,400nm,21.0s Inuvik	109.49 354	PFAKE LR	LR	22 41 00.0 +11
656A 656A	Williston	109.53 302	PFAKE LR	LR	22 41 00.0 +10
CPCT CPCT	comp=Z,700nm,20.0s Cooper Cave	109.59 308	PFAKE LR	LR	22 41 00.0 +10
Y52A Y52A	comp=Z,400nm,20.0s Liburn	109.67 307	PFAKE LR	LR	22 41 00.0 +10
555A 555A	comp=Z,400nm,20.0s McAlpin	109.72 303	PFAKE LR	LR	22 41 00.0 +10
PEA0B PEA0B	comp=Z,600nm,19.0s Petropavlovsk-	109.87 31	PFAKE LR	LR	22 41 00.0 +10
T49A T49A	comp=Z,200nm,20.0s Edmonton	109.88 310	PFAKE LR	LR	22 41 00.0 +9.5
EYMN EYMN	comp=Z,400nm,19.0s Ely	109.92 323	PFAKE LR	LR	22 41 00.0 +10
I42A I42A	comp=Z,300nm,21.0s Draeger Farm,	109.95 318	PFAKE LR	LR	22 41 00.0 +10
BLO BLO	comp=Z,500nm,21.0s Bloomington	109.97 313	PFAKE LR	LR	22 41 00.0 +9.4
SFIN SFIN	comp=Z,500nm,20.0s Lafayette	109.98 314	PFAKE LR	LR	22 41 00.0 +9.4
K43A K43A	comp=Z,300nm,20.0s Burlington	110.01 317	PFAKE LR	LR	22 41 00.0 +9.4
WCI WCI	comp=Z,500nm,19.0s Wyandotte Cave	110.10 312	PFAKE LR	LR	22 41 00.0 +9.1
X51A X51A	comp=Z,600nm,19.0s Calhoun	110.11 308	PFAKE LR	LR	22 41 00.0 +9.0
253A 253A	comp=Z,300nm,19.0s Americus	110.20 305	PFAKE LR	LR	22 41 00.0 +8.7
G40A G40A	comp=Z,500nm,21.0s Rib Lake	110.25 320	PFAKE LR	LR	22 41 00.0 +9.0
W50A W50A	comp=Z,300nm,22.0s Signal Mountai	110.28 308	PFAKE LR	LR	22 41 00.0 +8.6
M44A M44A	comp=Z,500nm,20.0s Midewin, Midew	110.29 315	PFAKE LR	LR	22 41 00.0 +8.8
PET PET	comp=Z,500nm,19.0s Petropavlovsk	110.41 31	PFAKE LR	LR	22 41 00.0 +9.0
152A 152A	comp=Z,200nm,22.0s Waverly Hall	110.52 306	PFAKE LR	LR	22 41 00.0 +8.1
I41A I41A	comp=Z,400nm,20.0s Arkdale	110.52 319	PFAKE LR	LR	22 41 00.0 +8.5
E38A E38A	comp=Z,400nm,21.0s The Farm, Brul	110.54 322	PFAKE LR	LR	22 41 00.0 +8.5
453A 453A	comp=Z,400nm,19.0s Whigham	110.67 304	PFAKE LR	LR	22 41 00.0 +7.8
P45A P45A	comp=Z,700nm,20.0s Graceland, Par	110.74 313	PFAKE LR	LR	22 41 00.0 +8.0
SWET SWET	comp=Z,300nm,21.0s Sewanee	110.76 309	PFAKE LR	LR	22 41 00.0 +7.7
CLTN CLTN	comp=Z,400nm,20.0s Cedars of Leba	110.81 310	PFAKE LR	LR	22 41 00.0 +7.7
YKW3 YKW3	comp=Z,300nm,19.0s Yellowknife Ar	111.01 344	PFAKE LR	LR	22 41 00.0 +8.1
T47A T47A	comp=Z,300nm,20.0s Sharon Grove	111.11 311	PFAKE LR	LR	22 41 00.0 +7.2
L42A L42A	comp=Z,400nm,20.0s Oliver, Polo	111.19 317	PFAKE LR	LR	22 41 00.0 +7.2
USIN USIN	comp=Z,400nm,19.0s University of	111.21 312	PFAKE LR	LR	22 41 00.0 +7.0
JFWS JFWS	comp=Z,500nm,20.0s Jewell Farm	111.23 318	PFAKE LR	LR	22 41 00.0 +7.1
OLIL OLIL	comp=Z,300nm,20.0s Oney	111.27 313	PFAKE LR	LR	22 41 00.0 +6.9
V48A V48A	comp=Z,500nm,20.0s Smith Brothers	111.29 309	PFAKE LR	LR	22 41 00.0 +6.8
Z50A Z50A	comp=Z,500nm,18.0s Ashland	111.33 307	PFAKE LR	LR	22 41 00.0 +6.6
ULM ULM	comp=Z,300nm,18.0s Lac du Bonnet	111.36 326	PFAKE LR	LR	22 41 00.0 +7.1
HDIL HDIL	comp=Z,400nm,20.0s Hopedale	111.48 315	PFAKE LR	LR	22 41 00.0 +6.6
Y49A Y49A	comp=Z,400nm,19.0s Blount Mountai	111.55 307	PFAKE LR	LR	22 41 10.0 +16
X48A X48A	comp=Z,300nm,19.0s Hartselle	111.87 308	PFAKE LR	LR	22 41 10.0 +16
FFC FFC	comp=Z,400nm,19.0s Flin Flon	111.92 333	PFAKE LR	LR	22 41 10.0 +16
SPMN SPMN	comp=Z,3um,19.0s Marine on St.	111.93 321	PFAKE LR	LR	22 41 10.0 +16
WVT WVT	comp=Z,400nm,20.0s Waverly	111.94 310	PFAKE LR	LR	22 41 10.0 +16
250A 250A	comp=Z,500nm,20.0s Grady	111.97 305	PFAKE LR	LR	22 41 10.0 +15
L40A L40A	comp=Z,400nm,20.0s Anamosa	112.23 317	PFAKE LR	LR	22 41 10.0 +15
LRAL LRAL	comp=Z,400nm,20.0s Lakeview Retre	112.26 307	PFAKE LR	LR	22 41 10.0 +15
T45A T45A	comp=Z,300nm,18.0s Paducah	112.27 311	PFAKE LR	LR	22 41 10.0 +15
AGMN AGMN	comp=Z,500nm,20.0s Agassiz Nation	112.34 325	PFAKE LR	LR	22 41 10.0 +15
PLAL PLAL	comp=Z,300nm,18.0s Pickwick Lake	112.51 309	PFAKE LR	LR	22 41 10.0 +14
N41A N41A	comp=Z,600nm,22.0s Harden Midland	112.52 316	PFAKE LR	LR	22 41 10.0 +15
SLM SLM	comp=Z,400nm,21.0s Saint Louis	112.87 313	PFAKE LR	LR	22 41 10.0 +14
PRP PRP	comp=Z,500nm,21.0s Porcupine Dome	113.07 358	PFAKE LR	LR	22 41 10.0 +14
SARN SARN	comp=Z,200nm,19.0s Sarigan	113.29 71	PFAKE LR	LR	22 41 10.0 +12
147A 147A	comp=Z,800nm,19.0s Livingston	113.39 307	PFAKE LR	LR	22 41 10.0 +13
MLY MLY	comp=Z,693um,20.0s Manley	113.60 1	PFAKE LR	LR	22 41 10.0 +13
SCIA SCIA	comp=Z,200nm,19.0s State Center	113.65 318	PFAKE LR	LR	22 41 10.0 +12

GNAR GNAR	Gosnell	113.67 311	PFAKE LR	LR	22 41 10.0 +12
PBMO PBMO	comp=Z,500nm,19.0s Poplar Bluff	113.69 312	PFAKE LR	LR	22 41 10.0 +12
OXF OXF	comp=Z,500nm,19.0s Oxford	113.70 309	PFAKE LR	LR	22 41 10.0 +12
COLA COLA	comp=Z,400nm,20.0s College	113.76 359	PFAKE LR	LR	22 41 10.0 +13
CCM CCM	comp=Z,200nm,22.0s Cathedral Cave	113.82 313	PFAKE LR	LR	22 41 10.0 +12
ILAR ILAR	comp=Z,500nm,20.0s Eielson Array	113.85 359	PKIKP PKIKP	PKIKP	22 40 57.0 -0.3
ILAR ILAR	comp=Z,0.4nm,0.6s,baz=316,slow=2.7,SNR=4.3 Eielson Array	113.85 359	PKIKP PKIKP	PKIKP	22 41 49.6 -0.2
ILAR HBAR	comp=Z,0.4nm,0.6s,baz=316,slow=2.7,SNR=6.1 Harrisburg	114.30 310	PFAKE LR	LR	22 40 57.0 -0.3
MDND MDND	comp=Z,500nm,20.0s Maddock	114.71 326	PFAKE LR	LR	22 41 10.0 +11
X43A X43A	comp=Z,400nm,20.0s Marvell	114.84 309	PFAKE LR	LR	22 41 10.0 +10
ECSO ECSO	comp=Z,500nm,19.0s EROS Data Cent	115.04 321	PFAKE LR	LR	22 41 10.0 +10
CAST CAST	comp=Z,300nm,19.0s Castle Rocks	115.19 1	PFAKE LR	LR	22 41 10.0 +10
FCAR FCAR	comp=Z,300nm,22.0s Ozark Folk Cen	115.29 311	PFAKE LR	LR	22 41 10.0 +9.2
VBMS VBMS	comp=Z,500nm,20.0s Vicksburg	115.33 307	PFAKE LR	LR	22 41 10.0 +9.0
DHY DHY	comp=Z,400nm,21.0s Denali Highway	115.56 359	PFAKE LR	LR	22 41 10.0 +9.2
WHAR WHAR	comp=Z,200nm,20.0s Woolly Hollow	115.64 311	PFAKE LR	LR	22 41 10.0 +8.5
W41B W41B	comp=Z,400nm,20.0s Gary Mavity, V	115.65 310	PFAKE LR	LR	22 41 10.0 +8.5
CCAR CCAR	comp=Z,400nm,20.0s Cane Creek	115.74 309	PFAKE LR	LR	22 41 10.0 +8.2
UALR UALR	comp=Z,500nm,20.0s University of	115.87 310	PFAKE LR	LR	22 41 10.0 +8.0
X40A X40A	comp=Z,500nm,20.0s Basin Creek Fa	116.35 310	PFAKE LR	LR	22 41 10.0 +7.1
HHAR HHAR	comp=Z,600nm,21.0s Hobbs	116.49 312	PFAKE LR	LR	22 41 10.0 +6.8
Z41A Z41A	comp=Z,400nm,20.0s Richland Creek	116.78 309	PFAKE LR	LR	22 41 20.0 +16
W39A W39A	comp=Z,500nm,19.0s Magazine	116.80 311	PFAKE LR	LR	22 41 20.0 +16
SCM SCM	comp=Z,400nm,19.0s Sheep Creek Mo	116.81 359	PFAKE LR	LR	22 41 10.0 +6.9
SML SML	comp=Z,200nm,19.0s Sawmill	116.84 360	PFAKE LR	LR	22 41 10.0 +6.8
DGMT DGMT	comp=Z,200nm,20.0s Dagmar	116.85 328	PFAKE LR	LR	22 41 10.0 +6.5
TGUH TGUH	comp=Z,300nm,21.0s Teguigalpa,Un	116.86 286	PFAKE LR	LR	22 41 20.0 +15
WLAR WLAR	comp=Z,300nm,19.0s White Oak Lake	116.86 309	PFAKE LR	LR	22 41 20.0 +16
MIAR MIAR	comp=Z,400nm,19.0s Mount Ida	116.90 310	PFAKE LR	LR	22 41 20.0 +16
BGNE BGNE	comp=Z,500nm,20.0s Belgrade	117.16 319	PFAKE LR	LR	22 41 20.0 +16
KNK KNK	comp=Z,300nm,19.0s Knik Glacier	117.24 360	PFAKE LR	LR	22 41 20.0 +16
CSGN CSGN	comp=Z,200nm,18.0s Cosiguina Volc	117.30 285	PFAKE LR	LR	22 41 20.0 +15
RC01 RC01	comp=Z,100nm,20.0s Rabbit Creek A	117.56 0	PFAKE LR	LR	22 41 20.0 +15
MYIG MYIG	comp=Z,200nm,22.0s Mrida	117.84 295	PFAKE LR	LR	22 41 20.0 +14
TUL1 TUL1	comp=Z,300nm,20.0s Leonard	118.01 313	PFAKE LR	LR	22 41 20.0 +14
X37A X37A	comp=Z,500nm,18.0s Clayton	118.24 311	PFAKE LR	LR	22 41 20.0 +13
NATX NATX	comp=Z,600nm,20.0s Nacogdoches	118.79 308	PFAKE LR	LR	22 41 20.0 +12
LAO LAO	comp=Z,400nm,20.0s LASA Array	119.03 328	PFAKE LR	LR	22 41 20.0 +12
JIS JIS	comp=Z,500nm,22.0s Juneau Island	119.25 351	PFAKE LR	LR	22 41 20.0 +12
RSSD RSSD	comp=Z,300nm,21.0s Black Hills	119.36 324	PFAKE LR	LR	22 41 20.0 +11
OGNE OGNE	comp=Z,300nm,18.0s Ogallala	119.92 320	PFAKE LR	LR	22 41 20.0 +10
U32A U32A	comp=Z,400nm,18.0s Winter Ranch,	120.14 314	PFAKE LR	LR	22 41 20.0 +10
HKT HKT	comp=Z,500nm,20.0s Hockley	120.40 306	PFAKE LR	LR	22 41 20.0 +9.2
WMOK WMOK	comp=Z,400nm,21.0s Wichita Mount	120.72 313	PFAKE LR	LR	22 41 20.0 +8.5
WHTX WHTX	comp=Z,300nm,19.0s Lake Whitney,	120.89 309	PFAKE LR	LR	22 41 20.0 +8.1
WALA WALA	comp=Z,500nm,19.0s Waterton Lakes	121.18 334	PFAKE LR	LR	22 41 20.0 +7.9
KSCO KSCO	comp=Z,400nm,21.0s Kaye Shedlock	121.33 319	PFAKE LR	LR	22 41 20.0 +7.3
435B 435B	comp=Z,300nm,19.0s Jarrell	121.47 308	PFAKE LR	LR	22 41 20.0 +6.9
RLMT RLMT	comp=Z,500nm,19.0s Red Lodge	121.67 328	PFAKE LR	LR	22 41 20.0 +6.7
K22A K22A	comp=Z,400nm,19.0s Casper	121.70 324	PFAKE LR	LR	22 41 20.0 +6.6
PHWY PHWY	comp=Z,400nm,22.0s Pilot Hill	121.86 322	PFAKE LR	LR	22 41 20.0 +16
N23A N23A	comp=Z,300nm,18.0s Red Feather La	122.40 322	PFAKE LR	LR	22 41 30.0 +15
BOZ BOZ	comp=Z,300nm,18.0s Bozeman (W)	122.58 330	PFAKE LR	LR	22 41 30.0 +15
LKWY LKWY	comp=Z,300nm,20.0s Lake	122.64 328	PFAKE LR	LR	22 41 30.0 +15
RWWY RWWY	comp=Z,600nm,20.0s Rawlins	122.69 324	PFAKE LR	LR	22 41 30.0 +15
AMTX AMTX	comp=Z,400nm,19.0s Amarillo	122.77 314	PFAKE LR	LR	22 41 30.0 +14

AMTX	comp=Z,400nm,18.0s Idaho Springs	122.83 321	PFAKE LR	LR	22 41 30.0 +14
ISCO ISCO	comp=Z,300nm,18.0s Grant Village	122.85 328	PFAKE LR	LR	22 41 30.0 +14
Q24A Q24A	comp=Z,600nm,19.0s Divide	123.00 320	PFAKE LR	LR	22 41 30.0 +14
FLWY FLWY	comp=Z,300nm,20.0s Flagg Ranch	123.12 328	PFAKE LR	LR	22 41 30.0 +14
DLMT DLMT	comp=Z,400nm,20.0s Dillon	123.22 330	PFAKE LR	LR	22 41 30.0 +14
JCT JCT	comp=Z,400nm,21.0s Junction City	123.34 308	PFAKE LR	LR	22 41 30.0 +13
BW06 BW06	comp=Z,400nm,20.0s Boulder Array	123.37 326	PFAKE LR	LR	22 41 30.0 +13
PDAR PDAR	comp=Z,500nm,21.0s Pinedale Array	123.37 326	PKP PKP	PKPdf	22 41 15.3 -1.2
MOOV MOOV	comp=Z,0.6nm,0.5s,baz=131,slow=4.1,SNR=4.6 Moose Ponds	123.37 327	PFAKE LR	LR	22 41 30.0 +13
IMW IMW	comp=Z,400nm,19.0s Indian Meadow	123.38 328	PFAKE LR	LR	22 41 30.0 +13
T25A T25A	comp=Z,400nm,21.0s Trinidad	123.52 318	PFAKE LR	LR	22 41 30.0 +13
SNOW SNOW	comp=Z,400nm,19.0s Snow King Moun	123.57 327	PFAKE LR	LR	22 41 30.0 +13

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Wickenburg, Topopah Spring, Ryan, Beckworth, Mina Aray Bea, Yerrington, Pine Nut, Rubicon Trail, Walker, Wake Island, Old Mammoth Mi, Devils Postpile, Blythe, Mont Dzumac, Darwin (Calif), HSIG, Barrett, Camp Elliot, Tubuai, Papeete2, Papeete, Karahalli.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DDA 03 22:28:01.0,38,78N-30,28E, h12km, ML1.9, Turkey; AFYO Afyonkarahisar, BOLV Bolvadin, KHAL Karahalli.

SOME 03 22:43:16.4, 41.15N-83.40E, h5km
NCC 03 22:43:17.4, 1.7, 41.11N-83.34E, h9km, mb3.9,
mpv3.5, Error ellipse: s-maj=14.9km s-min=1.0km
az=26.0

ISC 03 22:43:19.4, 2.7, 41.2N, 0.1-83.29E, 0.09, h10km, n27,
#253/38, 4C-4D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KTMS Ketmen, UZB Uzynbulak, PDGK Podgornoye, KARAT Karatay Array, FRU1 Bishkek, DHRM DHARAMSHALA, ULHL Ulahol, BOOM Boomsokoye usch, USPO Osenovka, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, KDJ Kajisay, SGDS Sogindiy, KST KasteK, DGS Degerev, MTBS Maitube, KNDC Almaty, KOTS Kotrybulak, PRZ Przhval'sk, SMLA Simla, SMLA Simla, ARXS Arharly, ARXS Arharly, CHKK Chushkaly, CHKK Chushkaly.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KTBS Karatobe, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, KST KasteK, KUU Kurty, KUU Kurty, TKM2 Tokmak 2, TKM2 Tokmak 2, KURBB Kurchatov Arra.

IDC 03 23:10:30.9, 4.2, 37.07N-71.35E, h58km, 29km, mb3.7/12,
mb1.4/0.18, mb1mx3.7/4.4, mbtmp.1/18, ML4.3/5, MS3.3/1,
Ms1.3/3.1, ms1mx2.5/35, Error ellipse: s-maj=46.8km,
s-min=15.7km az=170.0
ISCJB 03 23:10:33.1, 0.3, 37.03N, 0.02:71.56E:0.04, h106km,
mb4.0/22, Error ellipse: s-maj=4.8km s-min=2.9km
az=158.4
MOS 03 23:10:34.7, 1.0, 37.19N:71.34E, h106km, mb4.0/4, Error
ellipse: s-maj=10.7km s-min=5.5km az=84.0
NEIC 03 23:10:35.4, 1.9, 37.17N:71.30E, h97km, 10km, mb4.2/14,
Error ellipse: s-maj=14.8km s-min=13.7km az=224.0
NCC 03 23:10:36.8, 2.1, 37.44N:70.99E, h118km, 29km, mb3.6,
mpv4.4, Error ellipse: s-maj=19.1km s-min=12.2km
az=171.0

ISC 03 23:10:34.0, 4.0, 37.09N-0.05:71.48E:0.06, h106km, n137,
#199/131, mb4.0/22, 11C-3D, Afghanistan-Tajikistan
border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GARM Garm, CHGR Chuyangaron, BTK Batken, KBL Kabul, KBL Kabul, CEP Cherat, CHCP Chirah Chowk, NIL Nilore, NIL Nilore, THW Thamme Wali, IUG Iuzhnyy, IUG Iuzhnyy, SARP Sargodha, AML Almayashu, UCH Uchtor, KZA Kyzart, MRKS Nerke, THN Thein Dam, THN Thein Dam, EK2S Erkin-Say, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, FRU1 Bishkek, FRU1 Bishkek, DHRM DHARAMSHALA, DHRM DHARAMSHALA, ULHL Ulahol, ULHL Ulahol, BOOM Boomsokoye usch, BOOM Boomsokoye usch, CHMS Chumysh, USPO Osenovka, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, KDJ Kajisay, KDJ Kajisay, SGDS Sogindiy, KST KasteK, DGS Degerev, DGS Degerev, MTBS Maitube, KNDC Almaty, KOTS Kotrybulak, KOTS Kotrybulak, PRZ Przhval'sk, PRZ Przhval'sk, SMLA Simla, SMLA Simla, SMLA Simla, ARXS Arharly, ARXS Arharly, ARXS Arharly, CHKK Chushkaly, CHKK Chushkaly.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KALG Kalgarh, KALG Kundal, GEYT Alibeck, GEYT Alibeck, GYA0B ALIBECK ARRAY, GYA0B ALIBECK ARRAY, MAKZ Makanchi, MAKZ Makanchi, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, PYUN Piuthan, DANN Dangsing, KOLN Koldanda, GKN Gorkha, KURBB Kurchatov Arra, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, DMN Dama, PKIN Pulchokhi, PKI Pulchokhi, GUN Gumba, JIRN Jiri, BVA0 Borovoye Array, BVA0 Borovoye Array, BVAR Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, AKTO Aktyubinsk, AKTO Aktyubinsk, LSA Lhasa, LSA Lhasa, ZAA0 Zalesovo Array, ZAA0 Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, GNI Gani, GNI Gani, GNI Gani, TBGL Delisi, TBGL Delisi, ARU Art, ARU Art, ARU Art, KBZ Khabaz, KVAR Kislovodsk Arr, KIV Kislovodsk, KIV Kislovodsk, RAYN Ar Rayn, RAYN Ar Rayn, TLY Talaya, TLY Talaya, SONA0 Songino Array, SONA0 Songino Array, BRTR Keskin Array B, AKASG Malin Array Be, FIA1 FINESS Array S, FIA0 FINESS Array S, FINES FINESS Array B, ARCES ARCESS Array B, ARCES ARCESS Array B, NOA NORARS Array B, NAO01 NORARS Array S, NB000 NORARS Array S, NCR04 NORARS Array S, KLR Kul'dur, ESCD Sonseca Array, INK Inuvik, INK Inuvik, ILAR Eielson Array, ILB Eielson Array, YKA Yellowknife Arr, YKBS Yellowknife Arr.

NIC 03 23:11:56.9, 0.3, 35.01N:34.53E, h15km, ML3.2
DDA 03 23:11:57.8, 34.88N-34.35E, h8km, 2km, ML2.8
ISK 03 23:11:58.0, 34.73N-34.33E, h29km, ML2.7/15
ISCAL 03 23:11:58.0, 0.4, 34.59N:34.44E, h10km, 4km, MD3.4
ISCJB 03 23:11:59.0, 0.5, 34.72N, 0.02:34.34E:0.04, h26km, 6km,
Error ellipse: s-maj=5.9km s-min=3.0km az=159.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, etc.

ISJCJB 04 01:50:15.8d.0.4, 8.2S; 0.05x153.26E; 0.05, h56km, mb4.5/31, MS3.2/4, Error ellipse: s-maj=8.4km

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

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

IDD 04 01:53:45.0; 9.1, 15.13S; 174.00W, h0km, mb4.0/5, mb1.4/2.5, mb1mx3.9/30, mbtmp4.0/5, MS3.6/1, ms1mx2.7/25, Error ellipse: s-maj=38.1km s-min=22.4km az=151.0

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

UCR 04 02:10:47.0; 1.4, 8.82N; 84.08W, h4km, MW3.8, 2C-3D, Off coast of Costa Rica

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

DDA 04 02:37:00.8, 39.95N; 39.79E, h7km, 2km, ML2.9 ISK 04 02:37:00.2, 39.99N; 39.78E, h6km, ML2.3/9

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

IDD 04 02:59:01.6; 0.8, 62.69N; 152.47W, h0km, mb3.8/12, mb1.4/0.16, mb1mx3.8/42, mbtmp3.8/16, ML3.5/4, MS2.7/6, Ms1.2/7.6, ms1mx2.5/36, Error ellipse: s-maj=15.4km s-min=11.3km az=131.0

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

ISJCJB 04 02:59:01.6; 0.8, 62.69N; 152.47W, h0km, mb3.8/12, mb1.4/0.16, mb1mx3.8/42, mbtmp3.8/16, ML3.5/4, MS2.7/6, Ms1.2/7.6, ms1mx2.5/36, Error ellipse: s-maj=15.4km s-min=11.3km az=131.0

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

4d 2h

Table with columns: ZALV, FIAO, FINES, MK32, MKAR, AKASG, AKBB, GEC2, GERES, BR101, BRTR. Includes station names, frequencies, and coordinates.

ISC/JB 04 02:59:22.7:0.2, 6:40S:0:03:80:71W:0:05, h34km, mb4.6/59, MS3.8/21, Error ellipse: s-maj=7.2km

BUJ 04 02:59:23.0:0.0, 6:40S:80:70W, h27km, mB5.3/2, IDC 04 02:59:25.8:2.7, 6:45S:80:77W, h45km, 25km, mb4.1/11, mb1.4/2.16, mb1mx4.0/38, mbmp4.3/16, ML4.2/4, MS3.8/22, Ms1.3/8.22, ms1mx3.8/30, Error ellipse: s-maj=25.5km

NEIC 04 02:59:25.9:1.5, 6:48S:80:76W, h48km, 6km, mb4.6/63, Error ellipse: s-maj=20.7km s-min=10.1km az=53.0

ISC 04 02:59:24.0:0.4, 6:46S:0:06:80:75W:0:07, h34km, n341, o097/324, mb4.7/59, MS3.7/21, Near coast of northern Peru

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Op, h, m, s, ISC. Lists various stations like ATAH, NNA, NNA, NNA, CRUC, etc.

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Main station list table with columns: V53A, W47A, V56A, V58A, V59A, V59A, V50A, V60A, V60A, V57A, V49A, V47A, MIAR, U56A, U59A, U57A, U50A, ABTX, U60A, U47A, W39A, T58A, T57A, T57A, T56A, T59A, T59A, T55A, T52A, FCAR, T49A, T46A, S51A, S55A, S54A, S50A, S48A, S47A, S49A, R58B, R58B, R54A, TUL1, R59A, R58A, R51A, WCI, R45A, Q53A, Q54A, Q54A, Q55A, Q58A, CCM, CCM, P55A, P56A, P57A, P58A, P52A, P48A, P45A, P60A, O52A, O51A, O55A, O58A, ACSO, ACSO, O57A, O60A, SFIN, N55A, N50A, N51A, N54A, N56A, N49A, N59A, HDIL, N46A. Lists various stations with their coordinates and times.

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Main station list table with columns: N45A, M51A, KSU1, M50A, M55A, M54A, M56A, ANMO, ANMO, M49A, TASM, TASM, N43A, M48A, M48A, M46A, N40A, L53A, M43A, L48A, L50A, L47A, L49A, M41A, L55A, L54A, AAM, BINY, K54A, L42A, L42A, K51A, K52A, K55A, K50A, K50A, K47A, K49A, K48A, K46A, L40A, L40A, K43A, J52A, W18A, J48A, J48A, J47A, J47A, J49A, SDCO, SDCO, J46A, ACTO, JFWS, I51A, WLVO, I49A, BASO, PECO, I52A, BWLO, I46A, I48A, I42A, I42A, DELO, BMRO, H52A, H55A, H48A, H56A, OGNB, H45A, H43A, H43A, LBNH, LONY, PLVO, G53A, ISCO, TOBO, KLBO, G55A. Lists various stations with their coordinates and times.

BUKO	Buck Lake	51.68	1	P	P	03 08 26.7	-1.5
BC3	Big Chuckawall	51.70	323	P	P	03 08 26.6	-2.1
PEMO	Pembroke	52.00	3	P	P	03 08 29.6	-0.9
F49A	Sandfield	52.00	359	P	P	03 08 28.7	-1.8
F52A	Sundridge	52.04	1	P	P	03 08 29.7	-1.1
F48A	Evansville	52.08	358	P	P	03 08 29.6	-1.5
F51A	Arnstein	52.16	1	P	P	03 08 30.2	-1.5
ALGO	Algonquin Park	52.24	2	P	P	03 08 31.3	-0.9
G39A	Holcombe	52.35	351	P	P	03 08 30.3	-0.2
F42A	Maple Grove Fa	52.40	353	P	P	03 08 33.3	-0.2
PKME	Peaks-Kenny Pk	52.51	10	P	P	03 08 35.3	+1.0
E52A	Mattawa	52.55	2	P	P	03 08 33.6	-0.9
SPMN	Marine on St.	52.58	349	eP	P	03 08 34.9	+0.1
SPMN	Marine on St.	52.58	349	eP	P	03 08 33.8	-1.0
E50A	Wahnapitae	52.65	0	P	P	03 08 34.2	-1.2
E53A	Dumoine, Ponti	52.68	3	P	P	03 08 34.6	-0.9
E46A	Sault Ste Mari	52.69	357	P	P	03 08 34.4	-1.2
E47A	Lockeey	52.72	359	P	P	03 08 34.5	-1.4
E48A	Iron Bridge	52.73	358	P	P	03 08 33.8	-2.1
E54A	Lac Duplat, Po	52.76	3	P	P	03 08 34.6	-1.6
E51A	G1948 Merrick	52.77	1	P	P	03 08 35.0	-1.2
F40A	Park Falls	52.81	352	P	P	03 08 36.1	-0.5
COWI	Conover	52.86	353	eP	P	03 08 36.5	-0.4
E43A	Lone Tree Farm	52.90	355	eP	ScP	03 13 38.5	-2.3
F39A	Loretta	52.93	351	P	P	03 08 37.3	-0.1
F38A	Pierce - Schro	53.12	350	P	P	03 08 39.0	+0.1
D46A	Sault St. Mari	53.20	357	P	P	03 08 38.4	-1.0
D52A	ZEK Kipawa Sen	53.24	2	P	P	03 08 38.5	-1.2
D47A	Chapleau	53.24	358	P	P	03 08 38.7	-1.6
D53A	Lac Vacive, Po	53.38	3	eP	P	03 08 39.9	-0.7
D53A	Lac Vacive, Po	53.38	3	eP	P	03 08 39.7	-0.9
D48A	Paudash Townsh	53.41	359	P	P	03 08 39.5	-1.5
D49A	Beulah Townshi	53.50	359	P	P	03 08 40.3	-1.3
D54A	Lac Fusel, La	53.50	3	P	P	03 08 40.3	-1.3
RWWY	Rawlins	53.68	336	eP	P	03 08 42.7	-0.6
E38A	The Farm, Brul	53.70	351	eP	P	03 08 43.5	+0.4
E38A	The Farm, Brul	53.70	351	eP	P	03 08 43.0	-0.0
D41A	Chassel	53.74	353	eP	P	03 08 43.8	+0.5
D41A	Chassel	53.74	353	eP	P	03 08 43.4	+0.1
LATQ	La Turue	54.07	7	P	P	03 08 46.5	+0.8
K22A	Casper	54.22	337	P	P	03 08 47.5	+0.5
RSSD	Black Hills	54.56	340	P	P	03 08 49.5	-0.2
C40A	Isle Royale Na	54.65	353	eP	P	03 08 50.4	+0.5
C40A	Isle Royale Na	54.65	353	eP	P	03 08 49.6	-0.3
RKT	Rikitea	54.65	246	eT	T	04 07 18.9	
EYMN	Ely	55.00	351	eP	P	03 08 52.8	+0.3
EYMN	Ely	55.00	351	eP	P	03 08 52.2	-0.3
LSQO	Label-sur-Quev	55.39	3	P	P	03 08 54.5	-0.7
PDAR	Pinedale Array	55.56	335	P	P	03 08 55.8	-1.2
MATG	Matagami	56.05	2	P	P	03 08 58.4	-1.7
AGMN	Agassiz Nation	56.12	348	eP	P	03 09 01.4	+0.8
AGMN	Agassiz Nation	56.12	348	eP	P	03 08 59.8	-0.8
CHGO	Chibougamau	56.41	5	P	P	03 09 01.8	-0.8
NVAR	Mina Array Bea	56.66	325	LR	LR	03 30 37.9	
FXWY	Fox Creek	56.89	334	eP	P	03 09 07.8	+1.4
RLMT	Red Lodge	57.37	336	P	P	03 09 09.9	+0.1
ULM	Lac du Bonnet	57.98	349	P	P	03 09 13.4	-0.3
ULM	Lac du Bonnet	57.98	349	eP	P	03 09 13.6	-0.1
HLID	Hailey	58.37	332	eP	P	03 09 18.3	+1.5
HLID	Hailey	58.37	332	eP	P	03 09 17.7	+0.9
BOZ	Bozeman (W)	58.72	335	eP	P	03 09 20.1	+0.9
BOZ	Bozeman (W)	58.72	335	eP	P	03 09 20.3	+1.1
DLMT	Dillon	58.95	334	eP	P	03 09 19.9	-0.8
M50	Missoula	60.68	334	eP	P	03 09 33.6	+1.1
F10A	Beach Ranch, E	61.84	332	eP	P	03 09 38.0	-0.1
G08A	Pilot Rock	61.84	330	eP	P	03 09 42.2	+1.8
G03D	McMillinville, O	63.98	328	P	P	03 09 55.4	+0.9
PP2T	Papeete2	67.92	254	eLR	LR	03 30 57.8	
TBI	Tubuai	67.93	248	eT	T	04 23 59.4	
YKA	Yellowknife Ar	73.49	344	LR	LR	04 44 18.8	
SFJD	Kangerlussuaq	76.41	142	LR	LR	03 44 06.1	
DBIC	Dimbokro	76.84	82	P	P	03 11 14.4	+0.7
DBIC	Dimbokro	76.84	82	P	P	03 11 14.4	+0.7
VNA3	Neumayer Olymp	77.88	162	P	P	03 11 18.2	-0.3
VNA1	Neumayer-Stat	78.17	161	P	P	03 11 20.0	-0.0
SNA4	Sanae	80.10	162	P	P	03 11 30.2	-0.5
SNA4	Sanae	80.10	162	P	P	03 11 30.2	-0.5
RES	Resolute Bay	81.47	356	LR	LR	03 48 24.2	
BORG	Borghese	83.35	22	LR	LR	03 47 46.6	
SUMG	Summit	83.41	12	eP	P	03 11 48.4	+0.0
QSPA	South Pole Qui	83.63	180	eP	P	03 11 49.4	-0.1
EGAK	Eagle	83.73	338	eP	P	03 11 49.9	+0.2
ESDC	Sonsec Array	84.02	49	P	P	03 11 53.4	+1.5

TOA1	Torodi Ar. Sit	84.14	76	eP	P	03 11 52.3	-0.6
TORD	Torodi Ar. Bea	84.15	76	P	P	03 11 52.3	-0.7
TORD	comp-Z, 186nm, 21.7s, baz=305, slow=54			LR	LR	03 47 36.5	
ILAR	Eielson Array	85.91	337	LR	LR	03 51 41.3	
ILB	Eielson Array	85.91	337	eP	P	03 11 59.3	-1.4
VNDA	Vanda	89.45	191	P	P	03 12 18.1	+0.5
VNDA	comp-Z, 42nm, 20.2s, baz=130, slow=29			LR	LR	03 42 37.4	
JMIC	Jamieson	90.28	181	LR	LR	03 53 54.4	
DAVOX	Davos/Dischmat	95.09	44	LR	LR	03 52 18.7	
NOA	NORSAR Array B	96.56	29	LR	LR	03 56 01.1	
GECZ	GERESS Array S	97.75	42	eP	P	03 12 55.7	-0.7
GERES	GERESS Array B	97.75	42	P	P	03 12 55.7	-0.7
VRAC	Vranoy	99.65	41	LR	LR	03 52 34.6	
H1N3	WAKE ISLAND Hyl	113.16	289	T	T	05 20 48.5	
H1N2	WAKE ISLAND Hyl	113.17	289	T	T	05 20 51.6	
H1N1	WAKE ISLAND Hyl	113.18	289	T	T	05 20 50.5	
H1S2	WAKE ISLAND Hyl	113.38	287	T	T	05 21 05.1	
H1S1	WAKE ISLAND Hyl	113.38	287	T	T	05 21 01.8	
H1S3	WAKE ISLAND Hyl	113.39	287	T	T	05 21 02.7	
AS31	Alice Springs	134.82	227	ePKPdf	PKPdf	03 18 39.2	-1.6
ASAR	Alice Springs	134.82	227	PKP	PKP	03 18 39.2	-1.6
MK32	Makanchi Array	137.25	17	ePKPdf	PKPdf	03 18 43.9	-0.7
MKAR	Makanchi Array	137.25	17	PKP	PKP	03 18 43.9	-0.7
WMQ	Urumqi	141.43	13	ePKP	PKPdf	03 18 52.6	+0.2
HHC	Hu-ho-hao-te	144.03	344	PKP	PKP	03 18 54.7	+0.2
GTA	Galati	147.19	359	ePKPbc	PKPdf	03 19 12.9	-0.9
GTA	Galati	147.19	359	ePKP	PKP	03 19 12.9	-0.9
NJ2	Nanjing	148.65	327	ePKPbc	PKP	03 19 06.0	+1.0
CD2	Chengdu	155.31	351	PKP	PKP	03 19 12.8	-2.3
ISCJB 04 04:17:44.3, 0.1, 23.80S; 0.02; 179.95E; 0.03, h526km, mb4.7/53, Error ellipse: s-maj=4.5km s-min=2.8km							
IDC 04 04:17:44.9, 1.2, 23.75S; 179.98W, h523km, 11km, mb4.1/21, mb1.4/22, mb1mx4.1/29, mbtmp5.0/23, Error ellipse: s-maj=12.5km s-min=11.4km az=102.0							
BUJ 04 04:17:45.0, 0.2, 23.80S; 180.00E, h541km, mb4.7/19, mb4.8/10							
NEIC 04 04:17:45.4, 1.8, 23.75S; 179.99E, h530km, 6km, mb4.7/147, Error ellipse: s-maj=16.6km s-min=12.0km az=101.0							
ISC 04 04:17:44.5, 0.3, 23.83S; 0.05; 179.92W; 0.06, h526km, m250.0, e1933/264, mb4.8/53, 2D, South of Fiji Islands							
Code	Station Name	A°	AZ°	Phase ID	ISC	Res	
RIZ	Raoul Island	5.68	162	P	P	04 19 20.5 +1.6	
RAO	Raoul Island	5.69	162	eP	P	04 19 20.6 +1.6	
GLKZ	Green Lake	5.70	162	P	P	04 19 19.4 +0.3	
GLKZ	Green Lake	5.70	162	S	P	04 20 21.1 -5.3	
NIUE	Niue	10.44	65	P	P	04 20 06.9 +0.1	
MARNC	Mare, Loyalty	11.37	280	eP	P	04 20 16.5 0.0	
PINNC	Pines Island,	11.68	273	eP	P	04 20 21.9 +2.2	
OUZ	Omaha	12.67	202	P	P	04 20 32.1 +2.3	
DZM	Mont Dzumac	12.69	275	P	P	04 20 31.5 +1.1	
DZM	Mont Dzumac	12.69	275	eP	P	04 20 31.6 +1.3	
WUZ	Waipu Caves	13.04	201	P	P	04 20 36.2 +2.4	
KCZ	Kuautou	13.40	195	P	P	04 20 38.4 +0.9	
WAZ	Waikato Island	13.42	197	P	P	04 20 43.2 +3.2	
MXZ	Matakaoa Point	13.77	186	P	P	04 20 43.7 +2.4	
ETAZ	East Tamaki Re	13.81	198	P	P	04 20 43.0 +1.3	
WTAZ	Waatarua	13.89	199	P	P	04 20 42.3 -0.3	
WNWZ	Waiomatatini S	14.01	185	P	P	04 20 44.8 +0.7	
HAZ	Hauiti	14.02	193	P	P	04 20 43.6 -0.3	
PKGZ	Pakihoro	14.11	187	P	P	04 20 44.6 -0.5	
RUGZ	Raukumara Rang	14.23	188	P	P	04 20 46.8 +0.4	
PUZ	Puketitii	14.28	186	P	P	04 20 46.6 -0.1	
OPRZ	Ohinepanea	14.29	191	P	P	04 20 47.0 +0.2	
URZ	Urewera	14.60	189	P	P	04 20 49.7 -0.3	
URZ	Urewera	14.60	189	S	S	04 23 20.4 -2.6	
URZ	Urewera	14.60	189	eP	P	04 20 48.3 -1.7	
URZ	Urewera	14.60	189	P	P	04 23 22.7 +0.1	
URZ	Urewera	14.60	189	P	P	04 20 47.0 -3.0	
TKGZ	Te Karaka	14.68	187	P	P	04 20 50.5 -0.3	
MTHZ	Mataungataniwa	15.22	190	P	P	04 20 56.8 +0.2	
MRHZ	Maatea Rd	15.27	191	P	P	04 20 55.6 -1.5	
MRHZ	Maatea Rd	15.27	191	S	S	04 23 33.1 -2.6	
HIZ	Hauiti	15.29	196	eP	P	04 20 58.4 +1.2	
RATZ	Rangitukua	15.43	193	P	P	04 20 59.5 +0.8	
KATZ	Kakaramea	15.55	193	P	P	04 21 01.0 +1.0	
BKZ	Black Stump Fm	15.59	190	eP	P	04 20 59.3 -1.1	
BKZ	Black Stump Fm	15.59	190	eS	S	04 23 39.3 -2.1	
BKZ	Black Stump Fm	15.59	190	P	P	04 20 57.6 -2.8	
BKZ	Black Stump Fm	15.59	190	S	S	04 23 36.2 -5.1	
ARHZ	Aropanoanui	15.60	189	P	P	04 21 00.0 -0.4	
WVZ	West Tongariro	15.70	193	P	P	04 21 01.5 -0.2	
OTVZ	Oturere	15.73	193	P	P	04 20 59.7 -2.3	
OTVZ	Oturere	15.73	193	S	S	04 23 40.2 -4.1	
NGZ	Ngauruhoe	15.76	193	P	P	04 21 02.7 +0.5	
NGVZ	Ngauruhoe	15.76	193	S	S	04 23 44.0 +0.6	
WNWZ	Wahianoa	15.91	193	P	P	04 21 03.6 -0.2	
MOVZ	Moutohanga	15.95	192	P	P	04 21 02.9 +1.3	
BHZZ	Black Hill Sta	15.97	191	P	P	04 21 00.9 -3.4	
KRHZ	Kereru	16.07	190	P	P	04 21 04.5 -0.7	
BFZ	Birch Farm	17.11	190	eP	P	04 21 13.8 -1.4	
SHZ	South Karori	18.00	193	eP	P	04 21 22.1 -1.3	
THZ	Tophouse	18.85	197	eP	P	04 21 31.3 0.0	
KHZ	Kahutara	19.31	195	eP	P	04 21 34.5 -0.8	
LTZ	Lake Taylor	19.97	197	eP	P	04 21 40.5 -0.9	
LHI	Lord Howe Isla	20.11					

4d 9h

Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like MAJO Matsushiro, PLCA Paso Flores, KRSR Korea Array, etc.

JMA 04 09:00:27.8:0.2,24:23N,121.94E,h0km,M2.0
ISC/JB 04 09:00:28.0:0.4,24:29N,121.93E,0.02,111km,3km,
Error ellipse: s-maj=4.2km s-min=3.0km az=137.5

Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like NANB Nanao, ENA Nanao, NACB Ninganchiao, etc.

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Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, YUJ Yui, SSLB Suanglung, etc.

ISC/JB 04 09:31:25.0:0.5,30:65S,0:04,177:76W,0:09,h100km,
mb4,6.21,Error ellipse: s-maj=11.9km s-min=4.5km
az=16.3

NEIC 04 09:31:25.7:2.6,30:36S,177:99W,h72km,2km,mb4,8/22,
Error ellipse: s-maj=18.9km s-min=7.8km az=100.0

IDC 04 09:31:29.4:0.7,30:22S,177:91W,h98km,5km,mb4,1.7/6,
mb1,4.2/9,mb1mx3.9/29,mbmp4,4/9,MS3.7/6,Ms1 3.7/6,
ms1mx3.2/28,Error ellipse: s-maj=22.3km s-min=18.6km

Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like GLKZ Green Lake, RAO Raoul Island, RIZ Raoul Island, etc.

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Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR Alice Springs, ASAR 4.8nm,0.8s,baz=101,slow=6.4,SNR=46, etc.

ISC/JB 04 09:39:11.6:0.5,38:84N,0:03,122:85W,0:05,h7km,Error
ellipse: s-maj=6.3km s-min=3.3km az=139.7

NEIC 04 09:39:14.2:0.0,38:81N,122:82W,h3km,ML3.2(NCEDC),
After NCEDC.

NEIC Felt at Cloverdale, Kelseyville, Middletown and Rocklin.
NCEDC 04 09:39:14.2,38:81N,122:82W,h3km,ML3.2
IDC 04 09:39:15.9:2.7,38:89N,122:68W,h0km,mb1 3.4/5,
mb1mx3.3/36,mbmp3,0.5,ML2.9,Error ellipse:
s-maj=33.4km s-min=12.0km az=33.0

ANF 04 09:39:17.6:1.9,39:32N,122:30W,h2km,2km,ML2.8/8,
Error ellipse: s-maj=16.7km s-min=10.7km az=139.7

ISC 04 09:39:11.5:0.8,38:96N,0:03,122:75W,0:03,h7km,n50,
<249:50,Northern California

Table with columns: Code, Station Name, Az, El, Az, El, Time, Res, ISC, h, m, s, ISC. Includes stations like GDXM Geysers, GDXM Hopland Field, HOPS Hopland, etc.

CMAR Chiang Mai Arr 147.49 345 PKPbc PKPdf 10 47 11.8 +1.0 comp=2.0,8nm,0.4s,baz=341,slow=2.6,SNR=5.5

UCR 04 10:28:17.2±1.0, 9.75N-85.91W, h10km±8km, MW3.0, Off coast of Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like JTS Las Juntas de, JTS Las Juntas de, JTS Buena Vista, etc.

MEX 04 10:34:47.4±0.5, 17.73N-97.05W, h62km±5km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like VHO Vista Hermosa, TLIG Tlapa, CMIG Matias Romero, etc.

IDC 04 10:35:05.4±1.1, 6.15N-127.91E, h0km, mb3.8/4, mb1 3.9/4, mb1mx3.5/33, mbtmp3.8/4, MS2.2/1, Ms1 2.2/1, ms1mx1.9/38, Error ellipse: s-maj=95.0km s-min=23.1km az=75.0

ISC/JB 04 10:35:08.6±0.9, 6.1N±0.1x127.72E±0.07, h33km, mb3.7/4, Error ellipse: s-maj=16.2km s-min=8.3km az=19.9

ISC 04 10:35:10.5±0.9, 6.2N±0.1x127.70E±0.10, h35km, n10, ±0.88/12, mb3.7/4, I2, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like MATI Mati, DDMP Don Marcelino, DAV Davao City (W), SKMP Bagumbayan, Su, ASAR Alice Springs, etc.

IDC 04 10:54:28.2±3.5, 25.52S±179.41W, h0km, mb3.8/4, mb1 4.1/4, mb1mx3.7/21, mbtmp3.8/4, Error ellipse: s-maj=251.2km s-min=29.3km az=163.0, South of Fiji Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like CTA Charters Tower, ASAR Alice Springs, NVAR Mina Array Baa, TXAR Lajitas Array, etc.

NIED 04 11:08:00.46:80N:142:10E, h14km, Mw4.8 Best double couple: M1:1.62000x1016° NP1:0.770000°, δ62.00000°, λ1.65.00000°. NP2:0.174.00000°, δ77.00000°, λ29.00000°.

BUI 04 11:08:26.7±0.4, 46:86N:141:83E, h10km, mb4.6/43, mb4.9/38, Ms5.1/46, Ms7.5/0.4/1 JMA 04 11:08:26.7±0.3, 46:90N:141:69E, h14km, Ms1.1 JMA Felt 1/1

SKHL 04 11:08:26.5±0.4, 46:68N:141:67E, h10km, mb5.8/1, Ms4.3/2, msh5.2/3

SKHL Felt (I) at Korsakov, Dachnoe. Felt (II-III) at Aniva, Troitskoye, Sanatomi, Yuzhno-Sakhalinsk. Felt (III-IV) at Kholmok, Kostromskoye; (II) at Chaplanovo. Felt (IV-V) at Nevel'sk, Gornozavodsk, Shebunino; (VI) at Pravda.

MOS 04 11:08:27.9±1.0, 46:79N:141:80E, h14km, mb4.8/39, MS4.7/12, Error ellipse: s-maj=7.3km s-min=4.8km az=96.5

MOS Felt (IV-V) at Gornozavodsk, Nevel'sk; (IV) at Shebunino; (III-IV) at Kholmok; (III) at Aniva; (II-III) at Sanatomi; Yuzhno-Sakhalinsk; (II) at Korsakov.

IDC 04 11:08:27.3±0.5, 46:78N:141:88E, h0km, mb4.2/26, mb1 4.3/31, mb1mx4.3/48, mbtmp4.2/31, ML3.5/5, MS4.2/26, Ms1 4.2/26, ms1mx4.2/32, Error ellipse: s-maj=13.0km s-min=11.4km az=96.0

ISC/JB 04 11:08:28.1±0.6, 46:78N±0.01:141:83E±0.03, h14km±3km, mb4.5/120, MS4.5/41, Error ellipse: s-maj=3.1km s-min=2.5km az=8.2

NEIC 04 11:08:29.0±0.9, 46:80N:141:77E, h10km±2km, mb4.7/68, Error ellipse: s-maj=7.7km s-min=5.0km az=167.0

NEIC Recorded 1 JMA in northern Hokkaido. GGMT 04 11:08:31.0±0.2, 46:83N±0.02:141:82E±0.12, h18km, MW5.0/96, Moment Tensor Scale: s55:c82; s96:c152; Duration: 0 Moment tensor: Scale 1016Nm; M3.2±7.15; Mw=0.18±0.09; Mw=3.08±0.17; Mw=1.28±0.26; Mw=0.30±0.07; Mw=3.19±0.25; Best double couple: M4.67100x1016° NP1:0.193.00000°, δ69.00000°, λ1.03.00000°. NP2: 0.341.00000°, δ24.00000°, λ60.00000°. Principal axes: T 4.9250, Plg6.40000°, Azm124.00000°; N -0.5030, Plg12.00000°, Azm8.00000°; P -4.4170, Plg23.00000°, Azm273.00000°; nst1a refers to body waves, cutoff=40s. nst1a2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 04 11:08:30.4±0.8, 46:72N±0.02:141:84E±0.03, h17km±4km, n249, ±177/290, mb4.6/129, MS4.5/42, 15C-15D, Sakhalin Island

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

Main table with columns: Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like JWKC Keihoku, JWKC Rebutou, JWKC Rishiri, etc.

Main table with columns: Station Name, Δ°, AZ°, Phase ID, ISC, h, m, s, ISC, Time, Res. Includes stations like KLR comp=N, 3.6nm, 0.3s, baz=290, slow=17, SNR=8.4, KLR comp=N, 1.8nm, 0.3s, baz=114, slow=15, SNR=3.9, etc.

4d 11h

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like Radium Mtn., Conard Observa, GERES, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KANTON, RAR, Ouz, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like ARPS, HHT, JAY, etc.

WEL 04 11:09:21.8, 44'S; 172°E; h8km, 1km, M3.0/19, m-L3.1/17, MLV3.0/19, Error ellipse: s-maj=0.30km

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like EYCW, OXF, MHCZ, etc.

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

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like MTN, WRKA, FORT, etc.

MEX 04 11:12:33.2±0.8, 14°35'N, 93°23'W, h16km, 32km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PCIG, CCIG, TGIG, etc.

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

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KMBL, TNTI, BATI, etc.

ISC/JB 04 11:15:38.0±0.6, 17°94'S; 0°03:178°50'W; 0.3km, h580km, 8km, m5.0/117, Error ellipse: s-maj=5.4km

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like BUJI, NEIC, IDC, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like KNTN, RAR, Ouz, etc.

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

ISC 04 11:15:40.4±0.4, 17°88'S; 0°05:178°46'W; 0.04, h592km, 5km, h594km; P-P, n575, 0°120/591, m5.0/117, 40C-37D, Fiji Islands region

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

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

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

ISC/JB 04 11:15:38.0±0.6, 17°94'S; 0°03:178°50'W; 0.3km, h580km, 8km, m5.0/117, Error ellipse: s-maj=5.4km s-min=3.7km, az=146.2 BUJI 04 11:15:39.7±0.0, 17°87'S; 178°41'W, h595km, m4.8/30, m5.1/16 NEIC 04 11:15:40.9±1.8, 17°89'S; 178°48'W, h603km, 5km, m4.9/260, Error ellipse: s-maj=12.6km s-min=8.1km az=89.0 IDC 04 11:15:41.3±1.4, 18°05'S; 178°45'W, h610km, 17km, m4.3/24, m1.4/26, m1.1mx4.4/28, m1.2mx5.2/26, Error ellipse: s-maj=9.8km s-min=8.5km az=163.0 MOS 04 11:15:41.8±1.6, 17°62'S; 178°72'W, h602km, m5.0/30, Error ellipse: s-maj=10.9km s-min=9.6km az=140.4 GGMT 04 11:15:45.9±0.5, 18°07'S; 0°06:178°56'W; 0.04, h594km, 4km, MW5.4/58, Moment Tensor Solution. s58,c83; Duration: 1s2 Moment tensor: Scale 1071Nm; Mn=0.70±0.07; Mw=0.57±0.12; Mm=1.27±0.09; Mo=0.73±0.10; Mm=0.11±0.10; Mm=0.83±0.10; Best double couple: Mo1.56000x1017 Np1.3x146.00000°; d74.00000°, 758.00000°. NP2=31.00000°, d35.00000°, l151.00000°. Principal axes: T=1.4650, P1651.0000°, Az=19.0000°, N 0.1510, P1930.0000°, Az=156.0000°, P=1.6350, P122.0000°, Az=259.0000°. nsta1 refers to body waves, cutoff=40s. Triangular moment-rate function ISC 04 11:15:40.4±0.4, 17°88'S; 0°05:178°46'W; 0.04, h592km, 5km, h594km; P-P, n575, 0°120/591, m5.0/117, 40C-37D, Fiji Islands region

4sd 11h

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like AKASG, BEL, KIS, etc.

2017 JUL

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like SOTA, ABA, DAVA, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like JISG, NNSB, NNS, etc.

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

ISC/JB 04 11:29:05.4.1.1,35.11N,0.07:33.12E,0.06,h35km,10km, Error ellipse: s-maj=11.0km s-min=7.7km az=5.2

NIK 04 11:29:06.3,35.32N,33.21E,h17km,ML2.5/1.2 ISC 04 11:29:07.2,35.08N,33.09E,h35km,ML2.6 DDA 04 11:29:07.3,35.35N,33.12E,h7km,1km,ML2.8

ISC 04 11:29:06.4.1.6,35.12N,0.06:33.13E,0.04,h44km,12km,n21,0.89/28,Cyprus region

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

NNC 04 11:33:47.6,7.9,37.54N,71.34E,h0km,mb4.1,mpv3.8, Error ellipse: s-maj=62.9km s-min=48.2km az=1.0

ISC 04 11:33:47.2,3.7,37.4N,0.2,71.6E,0.1,h10km,n12, s=1541/15,4C-2D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station AML.

Table with columns: UCH, Uchtor, Az, Phase ID, Time, Res. Includes stations like KZA, EK2S, AAK, etc.

IDC 04 12:24:40.5,0.9,3.42S,140.11E,h0km,mb4.0/7, Mb1 4.4/8,mb1mx4.1/20,mbtmp4.2/8,ML4.9/1,MS3.5/9, Ms1 3.5/9,ms1mx3.2/24,Error ellipse: s-maj=27.6km s-min=11.1km az=122.0

DJA 04 12:24:41.5,2.5,4.5,3.3,14.0E,*,h26km,25km,MS.0/7, mb5.2/1,mb4.8/7,MLv5.1/6,Mw(mb)4.5/1

ISC/JB 12:24:43.7,0.3,3.55S,0.04,140.22E,0.05,h35km, mb4.5/18,MS3.5/9,Error ellipse: s-maj=7.7km s-min=5.7km az=5.6

BUJ 04 12:24:43.6,0.0,3.43S,140.23E,h32km,mb4.9/14, mb4.9/11,Ms4.0/3,Ms7.3/2

NEIC 04 12:24:45.0,1.1,3.56S,140.00E,h35km,3km,mb4.6/12, Error ellipse: s-maj=12.1km s-min=2.3km az=123.0

ISC 04 12:24:45.4,0.5,3.52S,0.06,140.24E,0.08,h35km,n48, s=1973/44,mb4.6/18,MS3.5/9,Irian Jaya

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

LZH Lanzhou 52.05 322 eP P 12 33 54.3 +2.3

GTA Gaotai 56.63 323 eP P 12 34 26.4 +1.1

PETK Petropavlovsk- 58.31 12 P P 12 34 37.8 +1.1

PEA1 Petropavlovsk- 58.31 12 eP P 12 34 37.8 +1.1

WMQ Urumqi 66.59 321 eP P 12 36 31.1 -0.7

MK32 Makanchi Array 71.36 322 eP P 12 36 01.1 -0.8

MKAR Makanchi Array 71.36 322 P P 12 36 01.1 -0.8

KSH Kashi 72.75 313 P P 12 36 12.1 +1.6

VNDA Vanda 74.85 175 P P 12 36 22.6 +0.7

VNDA Vanda 74.85 175 eP P 12 36 21.9 0.0

CST Castle Rocks 83.33 25 eP P 12 37 08.7 +3.2

SML SML 84.42 27 eP P 12 37 13.6 -0.5

CCB Church Crest Bu 85.22 24 eP P 12 37 18.7 -0.8

ILAR Eileasarray 85.94 24 P P 12 37 20.2 -1.4

TOLK Toolik Lake Re 86.15 20 eP P 12 37 23.6 +1.0

QSPA South Pole Qui 86.43 180 eP P 12 37 24.4 +0.1

LPAZ La Paz 145.73 126 PKPbc PKIKP 12 37 24.5 -1.2

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

ISK 04 12:33:33.6,39.33N,30.08E,h5km,ML1.8/4 DDA 04 12:33:35.0,39.30N,30.06E,h7km,5km,ML2.4,Turkey

Code Station Name Az Phase ID Time Res Includes stations like TVSB, GDZ, etc.

comp=Z,362nm,0.1s BORA Eskisehir 0.65 28 PG Pg 12 33 45.9 -1.7

comp=Z,803nm,0.1s SRCK Saricakaya, Es 0.86 30 PG Pg 12 33 49.2 -2.3

comp=Z,634nm,0.1s KHAL Karahalli 1.03 206 iP Pb 12 33 55.3 +0.1

comp=Z,786nm,0.2s AUHM MIHALICIK 1.24 62 PN Pg 12 33 57.7 -1.0

comp=Z,446nm,0.1s ARMT Armutlu 1.56 324 PN Pn 12 34 02.6 -0.6

WEL 04 12:49:59.3,40.5S,2.17E,*,h66km,3km,M3.8/80, ML3.6/61,MLv3.3/80,Error ellipse: s-maj=0.0km s-min=0.0km az=44.6, North Island

Code Station Name Az Phase ID Time Res Includes stations like MOVZ, MTVZ, etc.

MOVZ Moawhongo 0.25 27 Op Pn 12 50 09.6 -0.2

MTVZ Mangateitei 0.27 337 P Pn 12 50 10.0 +0.1

WHVZ Whangaeahu Hut 0.35 358 P Pn 12 50 10.8 +0.1

DRZ Dome Shelter 0.36 355 P Pn 12 50 11.1 +0.2

TUVZ Tukino 0.36 6 P Pn 12 50 10.9 +0.2

FWVZ Far West T-bar 0.38 354 P Pn 12 50 11.1 +0.1

BHHZ Black Hill Sta 0.38 358 P Pn 12 50 10.7 0.0

PKVZ Pokaka 0.40 329 P Pn 12 50 11.0 +0.1

NGZ Ngauruhoe 0.45 359 P Pn 12 50 11.9 +0.3

WAZ Wanganui 0.50 255 P Pn 12 50 12.3 +0.6

HTVZ Hoto Tongariro 0.51 358 P Pn 12 50 12.5 +0.2

KRVZ Karewarewa 0.54 P Pn 12 50 13.0 +0.2

PNHZ Pukenui 0.54 122 P Pn 12 50 13.0 +0.7

TWVZ Tauewa 0.57 347 P Pn 12 50 12.5 -0.2

KRHZ Kereru 0.59 92 P Pn 12 50 13.9 +1.1

OHVZ Ohakea 0.62 201 S Pn 12 50 15.1 +2.5

OHVZ Ohakea 0.66 6 S Pn 12 50 14.7 +0.9

KATZ Kakaramea 0.66 6 P Pn 12 50 14.8 +1.2

KWHZ Kaweka Forest 0.66 72 P Pn 12 50 14.8 +1.2

RITZ Rihia Road 0.68 17 P Pn 12 50 14.3 +0.5

POWZ Post Office Ro 0.77 110 P Pn 12 50 15.1 +0.3

RATZ Rangitukia 0.77 10 P Pn 12 50 15.7 +0.1

WPHZ Waipukurua 0.77 124 P Pn 12 50 16.2 +1.4

DVHZ Dannevirke 0.79 147 P Pn 12 50 15.4 +0.3

BKZ Black Stump Fm 0.83 56 P Pn 12 50 16.1 +0.6

SDV Q48A	Santo Domingo North Vernon	23.89 105 eP	P	16 15 39.8 -0.5
BLO	Bloomington	23.97 14 eP	P	16 15 40.0 -0.5
BLO BLO	Bloomington	23.97 14 eP	P	16 15 40.0 -0.5
R51A	Hillsboro	24.01 20 P	P	16 15 40.3 -0.5
P45A	Graceland, Par	24.02 14 P	P	16 15 41.0 0.0
K5C0	Kaye Shedlock	24.10 343 eP	P	16 15 41.7 -0.1
BLA	Blacksburg	24.29 27 eP	P	16 15 44.5 +1.1
BLA BLA	Blacksburg	24.29 27 eP	P	16 15 44.5 +1.1
S22A	4UR Ranch, Cre	24.41 335 eP	P	16 15 45.5 +0.7
S22A	4UR Ranch, Cre	24.41 335 P	P	16 15 44.0 -0.8
P48A	Milroy	24.52 16 eP	P	16 15 43.7 -1.7
P48A	Milroy	24.52 16 P	P	16 15 44.0 -1.4
R53A	Hurricane	24.62 23 eP	P	16 15 45.5 -0.9
R53A	Hurricane	24.62 23 P	P	16 15 45.8 -0.6
MVCO	Mesa Verde	24.69 331 eP	P	16 15 49.2 +1.9
V60A	Jim Taylor Roa	24.69 34 eP	P	16 15 45.9 -1.2
V60A	Jim Taylor Roa	24.69 34 P	P	16 15 45.5 -1.5
Y14A	Wickenburg	24.70 320 eP	P	16 15 49.9 +2.6
N41A	Harden Midland	24.74 6 eP	P	16 15 46.2 -1.2
N41A	Harden Midland	24.74 6 P	P	16 15 46.7 -0.7
O45A	Potomac	24.74 12 P	P	16 15 47.0 -0.5
Q51A	Peebles	24.74 20 eP	P	16 15 46.7 -0.8
Q51A	Peebles	24.74 20 P	P	16 15 47.1 -0.4
HDIL	Hopedale	24.77 9 eP	P	16 15 48.1 +0.4
P49A	Miami Univ. Ec	24.78 17 P	P	16 15 47.0 -0.8
WUAZ	Wupatki	24.84 325 eP	P	16 15 50.8 +2.2
N40A	Mertquake, Sal	24.85 4 P	P	16 15 48.2 -0.2
U59A	Littleton	24.86 32 eP	P	16 15 47.8 -0.7
SFIN	Lafayette	24.99 13 eP	P	16 15 49.6 -0.1
SFIN	Lafayette	24.99 13 P	P	16 15 48.2 -1.6
Q52A	Bidwell	25.06 22 P	P	16 15 49.1 -1.3
O47A	Sheridan	25.06 14 P	P	16 15 48.5 -1.9
P50A	Jamestown	25.12 19 P	P	16 15 49.8 -1.1
N43A	Stutzman Famil	25.17 9 P	P	16 15 51.0 -0.3
N44A	Piper City	25.19 11 P	P	16 15 50.5 -1.1
Q53A	Leroy	25.24 23 P	P	16 15 50.8 -1.2
P51A	Williamsport	25.25 20 eP	P	16 15 50.9 -1.2
P51A	Williamsport	25.25 20 P	P	16 15 50.0 -2.0
U60A	Pendleton	25.28 33 P	P	16 15 49.3 -3.0
R55A	Marlinn	25.31 26 eP	P	16 15 50.8 -2.0
GLA	Glamis	25.32 316 P	P	16 15 48.6 -4.3
N45A	Farnland	25.34 16 P	P	16 15 51.2 -1.7
O48A	Kentland	25.36 12 P	P	16 15 52.3 -0.8
S57A	Dark Hollow, R	25.40 29 eP	P	16 15 54.7 +1.2
M41A	Milan	25.43 6 P	P	16 15 52.4 -1.3
T59A	Double 'B' Far	25.45 32 eP	P	16 15 53.5 -0.4
PV01	Paradox Valley	25.48 333 eP	P	16 15 56.2 +1.7
O49A	Covington	25.50 17 eP	P	16 15 52.6 -1.7
O49A	Covington	25.50 17 P	P	16 15 53.4 -1.0
Y12C	Blythe	25.55 317 eP	P	16 15 57.4 +2.5
NV63	Monticello	25.56 13 P	P	16 15 53.6 -1.3
P41A	Radium Mtn., P	25.61 332 eP	P	16 15 53.3 -0.3
PV02	Paradox Valley	25.61 332 eP	P	16 15 56.0 +0.3
Q54A	Coxs Mills	25.62 24 eP	P	16 15 54.4 -1.0
Q54A	Coxs Mills	25.62 24 P	P	16 15 53.9 -1.5
PV05	Paradox Valley	25.67 332 eP	P	16 15 57.2 +1.0
O50A	Cable	25.67 19 P	P	16 15 54.8 -1.2
M43A	Walhain Townsh	25.69 9 P	P	16 15 55.7 -0.3
SMCO	Snowmass	25.70 336 eP	P	16 15 57.8 +1.2
PV03	Paradox Valley	25.70 332 eP	P	16 15 57.2 +0.8
P52A	Corning	25.72 22 P	P	16 15 55.6 -0.6
PV18	Skein Mesa, Pa	25.72 332 eP	P	16 15 58.4 +1.7
PV12	Saucer Basin	25.73 332 eP	P	16 15 59.2 +2.4
PV11	David Mesa, Pa	25.75 332 eP	P	16 15 57.3 +0.4
ISCO	Idaho Springs	25.75 339 eP	P	16 15 58.6 +1.6
ISCO	Idaho Springs	25.75 339 eP	P	16 15 58.6 +1.6
ISCO	Idaho Springs	25.75 339 P	P	16 15 58.8 +1.8
PV07	Paradox Valley	25.76 333 eP	P	16 15 59.0 +2.0
PV17	East Wray Mesa	25.77 332 eP	P	16 15 57.9 +0.8
OGNE	Ogallala	25.77 346 eP	P	16 15 58.0 +1.1
OGNE	Ogallala	25.77 346 P	P	16 15 58.0 +1.1
PV16	Nyswonger Mesa	25.78 332 eP	P	16 15 59.5 +2.3
M44A	Midewin, Midew	25.79 10 eP	P	16 15 56.2 -0.8
M44A	Midewin, Midew	25.79 10 P	P	16 15 56.3 -0.6
N47A	Urbana	25.79 15 P	P	16 15 56.4 -0.5
PV19	Morning Glory	25.80 332 eP	P	16 15 59.0 +1.6
PV20	West Nyswonger	25.82 332 eP	P	16 15 59.6 +2.0
PV04	Paradox Valley	25.84 332 eP	P	16 15 59.4 +1.8
P53A	Whipple	25.84 23 eP	P	16 15 58.1 +0.6
PV14	Lion Creek, Pa	25.88 332 eP	P	16 15 58.6 +0.5
PV10	Paradox Valley	25.89 332 eP	P	16 15 59.1 +0.9
PV22	Blue Mesa, Par	25.90 333 eP	P	16 16 00.0 +1.8

Q55A	Buckhannon	25.93 25 P	P	16 15 57.1 -1.3
N48A	Decatur	25.93 16 P	P	16 15 57.0 -1.2
PV23	Carpenter Ridg	25.93 332 eP	P	16 16 00.3 +1.7
ACSO	Alum Creek Sta	25.95 20 eP	P	16 15 57.5 -0.9
ACSO	Alum Creek Sta	25.95 20 P	P	16 15 57.3 -1.1
PV21	Cone Mtn., Par	26.01 333 eP	P	16 15 59.5 +0.2
W13A	Hualapai Mount	26.02 321 eP	P	16 16 25.5 +4.3
PV09	Paradox Valley	26.03 332 eP	P	16 15 59.3 -0.3
L40A	Anamosa	26.05 5 eP	P	16 15 58.4 -0.9
L40A	Anamosa	26.05 5 P	P	16 15 58.4 -0.9
BC3	Big Chuckawall	26.11 316 P	P	16 15 58.2 -1.8
AOPR	Arecibo Observ	26.14 81 eP	P	16 15 59.8 -0.6
L42A	Oliver, Polo	26.15 7 eP	P	16 15 59.5 -0.7
L42A	Oliver, Polo	26.15 7 P	P	16 15 59.6 -0.6
N49A	Columbus Grove	26.22 17 eP	P	16 15 59.4 -1.4
N49A	Columbus Grove	26.22 17 P	P	16 15 59.9 -1.0
O52A	Adamsville	26.23 21 eP	P	16 16 00.1 -0.8
O52A	Adamsville	26.23 21 eP	P	16 16 23.6 +0.5
O52A	Adamsville	26.23 21 P	P	16 15 59.1 -1.9
OBIP	Obispado Ponce	26.27 82 eP	P	16 16 00.1 -1.5
M48A	Edgerton	26.60 16 eP	P	16 16 01.9 -2.4
M48A	Edgerton	26.60 16 P	P	16 16 03.1 -1.1
L46A	Cue Claire	26.73 13 eP	P	16 16 03.9 -1.5
KNB	Kanab	26.73 325 eP	P	16 16 06.0 +0.3
PFO	Pinyon Flats O	26.76 315 eP	P	16 16 05.7 -0.2
PFO	Pinyon Flats O	26.76 315 eP	P	16 16 05.7 -0.2
M49A	Liberty Center	26.79 17 P	P	16 16 05.1 -0.8
N23A	Red Feather La	26.84 340 eP	P	16 16 06.4 -0.4
LCMT	Little Creek M	26.96 324 eP	P	16 16 10.0 +2.3
JFWS	Jewell Farm	26.98 6 eP	P	16 16 06.7 -1.0
JFWS	Jewell Farm	26.98 6 eP	P	16 16 06.7 -1.0
JFWS	Jewell Farm	26.98 6 P	P	16 16 07.3 -0.4
O20A	White River Ci	27.02 335 eP	P	16 16 10.3 +2.0
O20A	White River Ci	27.02 335 P	P	16 16 10.0 +1.7
K43A	Burlington	27.02 9 eP	P	16 16 06.9 -1.1
L48A	N Adams	27.11 16 P	P	16 16 06.8 -2.1
MTPU	Mount Pierson	27.15 327 eP	P	16 16 10.9 +1.3
SRU	San Rafael Swe	27.16 331 eP	P	16 16 10.5 +1.0
SRU	San Rafael Swe	27.16 331 eP	P	16 16 10.5 +1.0
N53A	Lisboa	27.20 22 eP	P	16 16 09.5 -0.2
SZCU	Shurtz Canyon	27.30 326 eP	P	16 16 13.0 +2.1
CCUT	Cedar City	27.41 325 eP	P	16 16 14.2 +2.3
L49A	Milan	27.47 17 P	P	16 16 09.7 -2.1
P17A	Butcher Ranch	27.55 331 eP	P	16 16 14.5 +1.5
TMUT	Trail Mountain	27.63 330 eP	P	16 16 14.2 +0.3
K47A	Vermontville	27.65 14 P	P	16 16 12.6 -1.1
N54A	Moraine State	27.65 23 eP	P	16 16 12.8 -0.9
ECSD	EROS Data Cent	27.70 356 eP	P	16 16 13.4 -0.7
ECSD	EROS Data Cent	27.70 356 P	P	16 16 14.5 +0.4
SHPR	Sheep Range	27.73 321 eP	P	16 16 16.1 +1.5
RWWV	Rawlins	27.78 339 eP	P	16 16 18.6 +1.7
I42A	Draeger Farm,	28.10 8 eP	P	16 16 16.1 -1.6
I42A	Draeger Farm,	28.10 8 P	P	16 16 16.3 -1.3
I41A	Arkdale	28.15 6 eP	P	16 16 16.6 -1.5
PSUT	Pine Spring	28.39 326 eP	P	16 16 21.5 +0.9
K22A	Casper	28.61 341 eP	P	16 16 23.5 +1.1
SUSD	Miller	28.62 353 P	P	16 16 22.5 +0.2
TPNV	Topopah Spring	28.67 321 eP	P	16 16 24.8 +1.7
TPNV	Topopah Spring	28.67 321 eP	P	16 16 24.8 +1.7
I46A	Reed City	28.75 13 P	P	16 16 22.8 -0.6
MPMC	Manual Propsec	28.89 318 P	P	16 16 21.1 -3.9
SPMN	Marine on St.	29.12 2 eP	P	16 16 25.9 -0.8
SPMN	Marine on St.	29.12 2 P	P	16 16 26.4 -0.3
TCUT	Toone Canyon	29.18 332 eP	P	16 16 28.3 +0.7
RSSD	Black Hills	29.26 345 eP	P	16 16 27.1 -1.1
RSSD	Black Hills	29.26 345 eP	P	16 16 27.1 -1.1
RSSD	Black Hills	29.26 345 P	P	16 16 27.6 -0.6
G39A	Holcombe	29.26 4 P	P	16 16 27.2 -0.7
G40A	Rib Lake	29.32 6 eP	P	16 16 27.3 -1.1
G40A	Rib Lake	29.32 6 P	P	16 16 28.0 -0.5
HWUT	Hardware Ranch	29.64 333 eP	P	16 16 32.0 +0.4
BW06	Boulder Array	29.78 337 eP	P	16 16 34.2 +1.3
BW06	Boulder Array	29.78 337 P	P	16 16 34.2 +1.3
PD31	Pinedale Array	29.78 337 eP	P	16 16 34.9 +2.0
PD31	Pinedale Array	29.78 337 eP	P	16 16 56.4 +1.2
PDAR	Pinedale Array	29.78 337 P	P	16 16 34.9 +2.0
PDAR	Pinedale Array	29.78 337 P	P	16 16 56.4 +1.2
PDAR	Pinedale Array	29.78 337 P	P	16 17 04.9 -1.8
I51A	Listowel	29.80 19 P	P	16 16 32.2 -0.6
F38A	Pierce Schro	29.89 3 P	P	16 16 32.7 -0.7
F39A	Loretta	29.90 4 P	P	16 16 32.9 -0.7
F40A	Park Falls	29.97 5 P	P	16 16 33.6 -0.6
COWI	Conover	30.25 7 eP	P	16 16 35.6 -1.1
HVU	Hansel Valley	30.32 332 eP	P	16 16 39.4 +1.8

HVU	Hansel Valley	30.32 332 eP	P	16 16 39.4 +1.8
BINY	Binghamton	30.33 27 P	P	16 16 36.3 -1.1
AHID	Auburn Hatcher	30.39 335 eP	P	16 16 39.6 +1.4
E38A	The Farm, Brul	30.55 3 eP	P	16 16 37.8 -1.5
E38A	The Farm, Brul	30.55 3 P	P	16 16 38.0 -1.3
ELK	Elko	30.74 327 eP	P	16 16 43.1 +1.8
ELK	Elko	30.74 327 eP	P	16 16 43.1 +1.8
NV11	Mina Array Sit	30.79 321 eP	P	16 16 45.0 +3.4
OMMB	Old Mammoth M	30.80 319 eP	P	16 16 44.9 +2.9
E43A	Lone Tree Farm	30.81 10 eP	P	16 16 39.8 -1.8
E43A	Lone Tree Farm	30.81 10 P	P	16 16 40.1 -1.5
SNOW	Snow King Moun	30.83 336 eP	P	16 16 44.4 +2.2
NV01	Mina Array Sit	30.87 321 eP	P	16 16 46.0 +3.4
NV01	Mina Array Sit	30.87 321 eP	P	16 17 06.5 +1.7
NVAR	Mina Array Bea	30.87 321 P	P	16 16 46.0 +3.4
NVAR	Mina Array Bea	30.87 321 P	P	16 17 06.5 +1.7
LOHW	Long Hollow	30.90 336 eP	P	16 16 44.5 +1.8
TPAW	Teton Pass	30.93 336 eP	P	16 16 45.5 +2.4
MOOW	Moose Ponds	31.07 336 eP	P	16 16 46.7 +2.5
FXWY	Fox Creek	31.09 336 eP	P	16 16 46.3 +1.9
KVN	Kaiserville	31.15 322 eP	P	16 16 47.4 +2.5
KVN	Kaiserville	31.15 322 eP	P	16 16 47.4 +2.5
E44A	Grand Marais A	31.23 11 P	P	16 16 44.7 -0.5
IMW	Indian Meadow	31.27 336 eP	P	16 16 48.5 +2.4
FLWY	Flag Ranch	31.34 337 eP	P	16 16 49.0 +2.5
KLBO	Killbear Provi	31.45 19 P	P	16 16 45.7 -1.6
H17A	Grant Village	31.55 337 eP	P	16 16 51.2 +2.7
DELO	Deloro Mine	31.60 23 eP	P	16 16 47.4 -1.1
DELO	Deloro Mine	31.60 23 P	P	16 16 46.8 -1.8
E47A	Iron Bridge	31.62 14 P	P	16 16 48.0 -0.7
RLMT	Red Lodge	31.71 339 eP	P	16 16 51.6 +1.8
RLMT	Red Lodge	31.71 339 P	P	16 16 51.0 +1.1
BUKO	Buck Lake	31.79 20 P	P	16 16 48.1 -2.1
D46A	Saut St. Mari	31.86 13 P	P	16 16 49.4 -1.5
EYMN	Ely	31.89 3 eP	P	16 16 49.6 -1.5
EYMN	Ely	31.89 3 P	P	16 16 49.7 -1.3
BANO	Bancroft	31.92 22 P	P	16 16 49.1 -2.2
E48A	Lockeyer	31.92 16 P	P	16 16 50.1 -1.3
YHH	Holmes Hill	31.99 337 eP		

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Pilsara Seismi, Matsuhiro, Charters Tower, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like Rata Peaks, Oxford, Tom Channel, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like NEIC 04 17:15:54.7, ISCJB 04 17:15:56.1, etc.

4d 17h

Table with columns for station name, frequency, and signal strength. Includes stations like GUMO, FUNA, KADU, ARMA, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like DDMP, KNTN, KNTN, DAV, etc.

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Table with columns for station name, frequency, and signal strength. Includes stations like RPZ, Rata Peaks, RPZ, LBZ, etc.

MAT			S	S	17 30 58.0	-3.5
MJB9	Matsu-Tunnel	46.33 340	eP	P	17 24 17.9	-0.4
MJB9	comp-Z,49nm,0.5s					
MJB9	comp-Z,6um,22.0s		LR	LR		
JNU	Nakatsue	46.36 331	P	P	17 24 19.0	+0.4
JNU	comp-Z,30nm,0.8s,baz=225,slow=2.6,SNR=11					
JNU	Nakatsue	46.36 331	eP	P	17 24 18.8	+0.2
JNU	comp-Z,82nm,1.1s					
JNU	comp-Z,2um,20.0s		LR	LR		
JCIJ	Jatiwangi	47.10 268	P	P	17 24 38.6	+1.4
CISI	Cisompot, Garu	47.49 266	eP	P	17 24 27.0	-0.8
CISI	comp-Z,66nm,0.8s					
CISI	Cisompot, Garu	47.49 266	P	P	17 24 26.9	-0.9
XMAS	Kiritimati	47.61 81	PFAKE	P	17 24 40.0	+1.1
XMAS	comp-Z,7um,22.0s		LR	LR		
LEM	Lembang	47.73 267	P	P	17 24 29.9	+0.2
LEM	comp-Z,56nm,0.7s,baz=59,slow=1.1,SNR=6.4					
LEM	comp-Z,4um,21.9s,baz=86,slow=38		LR	LR	17 46 33.5	
KNMB	Chin-men Tao	47.98 312	PFAKE	LR	17 24 40.0	+8.8
KNMB	comp-Z,3um,22.0s		LR	LR		
TPI	Tanjungpandan	48.05 273	P	P	17 24 32.3	+0.3
OZH	Quanzhou	48.11 313	iP	S	17 24 33.2	+0.9
OZH	comp-Z,71nm,1.0s		pmax	pmax		
OZH	comp-Z,3um,22.3s		LR	LR		
OZH	comp-Z,2um,20.4s		LR	LR		
OZH	comp-Z,6um,28.0s		LR	LR		
CBJI	Citeko	48.51 268	P	P	17 24 36.0	+0.4
PPBI	Pangali Pinang	49.63 273	P	P	17 24 44.0	-0.1
CGJI	Cibinong	49.65 267	P	P	17 24 42.1	-2.2
HKPS	Hong Kong Po S	50.04 307	eP	P	17 24 47.4	+0.3
HKPS	comp-Z,95nm,1.0s		LR	LR		
ERM	Ermo	50.12 348	PFAKE	LR	17 25 00.0	+1.3
ERM	comp-Z,9um,22.0s		LR	LR		
SSE	Sheshan	50.26 321	PFAKE	LR	17 25 00.0	+1.1
SSE	comp-Z,5um,21.0s		LR	LR		
SSE	Sheshan	50.26 321	P	P	17 24 49.8	+1.2
SSE	comp-Z,19nm,0.7s		pmax	pmax		
SSE	comp-Z,410nm,3.8s		LR	LR		
SSE	comp-Z,1um,22.3s		LR	LR		
SSE	comp-Z,1um,23.5s		LR	LR		
DLV	T Lat	50.59 292	eP	P	17 24 50.6	-1.0
DLV	comp-Z,404nm,0.8s		LR	LR		
DLV	comp-Z,4um,22.0s		LR	LR		
TJN	Taejon	50.69 330	iP	P	17 24 53.5	+1.7
KAZI	Kota Agung	50.91 269	P	P	17 24 51.7	-2.1
GZH	Guangzhou	51.09 307	P	P	17 24 56.0	+1.0
GZH	comp-Z,1um,23.5s		P	P	17 26 13.1	+2.9
GZH	comp-Z,2um,19.0s		LR	LR		
GZH	comp-Z,2um,18.4s		LR	LR		
KSR5	Korea Array	51.28 332	P	P	17 24 56.4	+0.2
KSR5	comp-Z,24nm,0.8s,baz=143,slow=8.1,SNR=80					
KSR5	comp-Z,20nm,0.6s,baz=143,slow=4.4,SNR=19		P	P	17 26 12.7	+2.1
KSR5	comp-Z,3.9nm,1.0s,baz=140,slow=4.9,SNR=4.4		LR	LR	17 47 05.4	
KSR5	comp-Z,2um,18.3s,baz=138,slow=37		LR	LR		
KS15	Wonju Array Si	51.29 332	eP	P	17 24 56.7	+0.5
KS15	comp-Z,40nm,1.0s		LR	LR		
MDSI	Maura Dua	51.31 270	P	P	17 24 54.8	-2.1
YUK	Yuzh-Kuril'sk	51.58 351	eP	P	17 24 54.2	-4.0
YUK	comp-Z,412nm,1.3s		pmax	pmax		
YUK	comp-N,246nm,1.4s		pmax	pmax		
YUK	comp-E,276nm,1.3s		pmax	pmax		
YUK	comp-Z,510nm,2.7s		pmax	pmax		
YUK	comp-Z,3um,16.0s		MLR	MLR		
YUK	comp-E,1um,17.0s		MLR	MLR		
YUK	comp-N,5um,18.0s		MLR	MLR		
TPRI	Tanjung Pinang	51.67 277	P	P	17 24 59.2	-0.3
LHSI	Lanang	52.03 271	P	P	17 25 02.3	+0.1
QIZ	Qiongzong	52.08 301	eP	P	17 25 04.1	+1.7
QIZ	comp-N,139nm,0.8s		LR	LR		
QIZ	comp-Z,4um,21.0s		P	P	17 25 05.2	+2.7
QIZ	Qiongzong	52.08 301	P	P	17 25 02.9	+3.0
QIZ	comp-Z,150nm,0.8s		LR	LR	17 32 23.3	+0.6
QIZ	comp-Z,2um,23.0s		LR	LR		
QIZ	comp-Z,3um,25.0s		LR	LR		
QIZ	comp-Z,7um,28.4s		LR	LR		
JMBI	JAMBI	52.17 273	P	P	17 25 03.7	+0.5
ASAJ	Asahikawa	52.25 348	P	P	17 25 05.4	+2.2
ASAJ	comp-Z,72nm,0.6s,baz=216,slow=8.9,SNR=48					
KEKH	Kekaha	52.33 55	PFAKE	LR	17 25 20.0	+1.6
KEKH	comp-Z,8um,20.0s		LR	LR		
NJ2	Nanjing	52.38 320	eP	P	17 25 06.1	+1.7
NJ2	comp-Z,43nm,1.1s		pmax	pmax		
NJ2	comp-Z,970nm,7.9s		LR	LR		
NJ2	comp-Z,3um,22.7s		LR	LR		
NJ2	comp-Z,3um,21.8s		LR	LR		
NJ2	comp-Z,5um,23.7s		LR	LR		
KUR	Kuril'sk	52.47 353	iP	P	17 25 06.6	+1.7
KUR	comp-Z,7um,19.0s		P	P	17 25 24.4	-1.6
KUR	comp-Z,2um,3.5s		MLR	MLR	17 32 29.2	+2.0
KUR	comp-N,3um,17.0s		MLR	MLR	17 36 06.1	-0.1
KUR	comp-Z,4um,17.0s		MLR	MLR		
KUR	comp-E,1um,20.0s		MLR	MLR		
MYKOM	Kota Tinggi	52.48 278	eP	P	17 25 05.1	-0.5
MYKOM	comp-Z,70nm,0.8s		P	P	17 25 07.0	+1.4
HON	Honolulu	53.43 57	PFAKE	LR	17 25 20.0	+7.6
HON	comp-Z,7um,19.0s		LR	LR		
KIP	Kipapa	53.47 57	PFAKE	LR	17 25 20.0	+7.3
KIP	comp-Z,7um,19.0s		LR	LR		
OPA	Opana	53.59 57	eP	P	17 25 14.1	+0.5
OPA	comp-Z,280nm,1.0s		LR	LR		
OPA	comp-Z,8um,20.0s		LR	LR		
OPA	Opana	53.59 57	eP	P	17 25 14.1	+0.5

OPA	comp-Z,280nm,1.0s		pmax	pmax		
OPA	comp-Z,8um,20.0s		MLR	MLR		
MSHR	Mys Shuitta	54.18 338	eP	P	17 25 19.5	+2.0
JRMM	Jerantut	54.22 280	P	P	17 25 20.0	+1.6
KRJI	Kerinci	54.27 272	P	P	17 25 18.0	-0.8
PPT	Papeete	54.31 107	P	P	17 25 22.0	+3.0
PPT	comp-Z,199nm,0.8s,baz=320,slow=7.0,SNR=12		LR	LR	17 43 50.8	
PPT	comp-Z,4um,21.8s,baz=274,slow=31		LR	LR		
PPT	Papeete	54.31 107	eP	P	17 25 19.1	+0.1
PPT	comp-Z,310nm,1.2s		eP	P	17 25 22.0	+3.0
PPT2	Papeete2	54.31 107	eP	P	17 25 21.7	+2.6
PPT2	comp-Z,3um,25.5s		eS	S	17 32 54.0	+0.6
PPT2	comp-Z,7um,25.0s		eLQ	LQ	17 38 48.2	
PPT2	comp-Z,7um,22.2s,baz=280		eLR	LR	17 41 07.0	
PAE	Paea	54.32 107	eP	P	17 25 21.2	+2.2
PAE	comp-Z,54nm,1.1s		P	P	17 25 19.9	+0.8
PPFT	Papeete	54.33 107	eP	P	17 25 21.9	+2.2
PPFT	comp-Z,112nm,1.4s		P	P	17 25 20.8	+1.9
VLA	Vladivostok	54.38 339	iP	pmax		
VLA	comp-Z,83nm,1.0s		pmax	pmax		
WHN	Wuhan	54.44 316	iP	P	17 25 21.4	+1.8
WHN	comp-Z,100nm,0.9s		pmax	pmax		
WHN	comp-Z,1um,5.2s		LR	LR		
WHN	comp-Z,7um,20.6s		LR	LR		
WHN	comp-Z,6um,18.5s		LR	LR		
WHN	comp-Z,17um,24.6s		LR	LR		
SDSI	Sungai Dareh	54.45 274	P	P	17 25 20.1	+0.1
KHLU	Khalau u	54.48 60	PFAKE	P	17 25 30.0	+1.0
KHLU	comp-Z,5um,19.0s		LR	LR		
TIAR	Tiarei	54.53 106	eP	P	17 25 23.2	+2.6
TIAR	comp-Z,180nm,1.1s		LR	LR		
KHLH	Kahului Airpor	54.57 58	PFAKE	LR	17 25 30.0	+9.3
KHLH	comp-Z,11um,20.0s		LR	LR		
TEY	Ternei	54.58 343	eP	P	17 25 23.8	+3.5
KHU	Kahuku	54.58 61	eP	P	17 25 21.7	+0.6
KHU	comp-Z,305nm,1.0s		LR	LR		
KHU	comp-Z,6um,22.0s		P	P	17 25 21.7	+0.6
KHU	comp-Z,305nm,1.0s		MLR	MLR		
TVO	Taravao	54.64 107	eP	P	17 25 23.9	+2.5
TVO	comp-Z,130nm,1.1s		LR	LR		
HLK	Halekalea	54.66 59	PFAKE	LR	17 25 30.0	+8.3
HLK	comp-Z,10um,21.0s		LR	LR		
MLOA	Mauna Loa Obse	54.73 60	PFAKE	LR	17 25 30.0	+7.6
MLOA	comp-Z,5um,19.0s		LR	LR		
HPAH	Hawaii Prepara	54.83 60	PFAKE	LR	17 25 30.0	+7.3
HPAH	comp-Z,6um,20.0s		LR	LR		
POHA	Pohakuloa	54.86 60	PFAKE	LR	17 25 40.0	+1.7
POHA	comp-Z,6um,20.0s		LR	LR		
YSS	Yuzh-Sakhalins	54.94 349	eP	P	17 25 23.0	+0.1
YSS	comp-Z,165nm,1.0s		LR	LR		
YSS	comp-Z,5um,20.0s		P	P	17 25 25.2	+2.3
YSS	Yuzh-Sakhalins	54.94 349	iP	P	17 25 34.8	
YSS	comp-Z,150nm,1.0s		pmax	pmax	17 32 58.8	-1.8
YSS	comp-Z,900nm,5.0s		MLR	MLR		
YSS	comp-N,2um,16.0s		MLR	MLR		
BKNI	Bangkinang	55.02 275	eP	P	17 25 22.2	-2.0
BKNI	comp-N,194nm,0.9s		LR	LR		
BKNI	Bangkinang	55.02 275	P	P	17 25 24.1	0.0
TBI	Tabuai	55.02 114	eP	P	17 25 26.4	+2.4
TBI	comp-Z,838nm,1.4s		eS	S	17 33 03.0	+0.4
TBI	comp-Z,3um,29.8s		eLQ	LQ	17 39 10.7	
TBI	comp-Z,7um,38.8s		eLR	LR	17 41 22.4	
LPH	Laupahoehoe	55.06 60	eP	P	17 25 24.7	+0.4
USA0B	Ussuriysk Arra	55.29 339	eP	P	17 25 27.5	+2.0
USA0B	comp-Z,224nm,1.5s		LR	LR		
USA0B	comp-Z,4um,21.0s		LR	LR		
USRK	Ussuriysk Ar.	55.29 339	P	P	17 25 27.4	+2.0
USRK	comp-Z,55nm,0.9s,baz=164,slow=7.2,SNR=56		LR	LR	17 46 43.7	
USRK	comp-Z,2um,21.7s,baz=137,slow=33		P	P	17 25 25.9	-1.1
DL2	Dalian	55.41 274	P	P	17 25 27.2	-0.3
DL2	comp-Z,63nm,0.9s		pmax	pmax	17 33 08.6	-0.4
DL2	comp-Z,640nm,8.4s		pmax	pmax		
DL2	comp-Z,2um,26.0s		LR	LR		
DL2	comp-Z,3um,24.5s		LR	LR		
DL2	comp-Z,7um,25.1s		LR	LR		
IPM	Ipo	55.76 280	eP	P	17 25 28.7	-0.8
IPM	comp-Z,128nm,0.8s		P	P	17 25 30.0	+0.5
MEH	Mehetia	55.77 107	eP	P	17 25 31.8	+2.3
MEH	comp-Z,138nm,1.2s		P	P	17 25 32.3	+2.6
PMOR	Pomarioerio Res	55.80 103	eP	P	17 25 44.8	-6.0
PMOR	comp-Z,953nm,1.1s		eP	P	17 25 31.3	+0.9
PANO	Nakornpanom	55.91 296	P	P	17 25 34.0	+2.4
PANO	comp-Z,5.5nm,0.9s,comp-Z,101nm		P	P	17 25 34.0	+2.4
VAH	Vaihoa	56.07 104	eP	P	17 25 45.4	-1.1
VAH	comp-Z,446nm,1.1s		eP	P	17 25 32.9	+0.7
TIA	Tai'an	56.20 323	P	pmax		
TIA	comp-Z,23nm,1.0s		pmax	pmax		
TIA	comp-Z,610nm,6.9s		LR	LR		
TIA	comp-Z,2um,20.6s		LR	LR		
TIA	comp-Z,2um,17.7s		LR	LR		
TIA	comp-Z,4um,21.6s		P	P	17 25 32.5	-0.8
KULM	Kulim	56.29 281	eP	P	17 25 34.0	+0.7
KULM	comp-Z,205nm,1.3s		LR	LR		
KULM	comp-Z,4um,20.0s		P	P	17 25 34.3	+0.2
KULM	Sakolnakorn	56.41 296	P	P	17 25 34.8	+0.5
KULM	comp-Z,365nm,0.9s,comp-Z,6um		P	P	17 25 34.8	+0.5
MDJ	Mudanjiang	56.51 338	eP	P	17 25 35.3	+1.0
MDJ						

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NGP Red Dog Mine, CAST Castle Rocks, PMR Palmer, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GOA, TOLK Toolik Lake Re, TOLK Toolik Lake Re, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KRMB Red Mountain, KHMM Horse Mountain, TKM2 Tokmak 2, etc.

4d 17h

J05D	comp=Z,5um,22.0s Fort Rock, OR baz=260	89.72	46	P	P	17 28 50.4	+0.1
BEKR	Beckworth comp=Z,69nm,2.0s	89.80	50	eP	P	17 28 52.0	+1.2
BEKR					LR		
I05D	comp=Z,5um,21.0s Terrebonne, OR baz=260	89.83	45	P	P	17 28 50.7	0.0
RUBR	Rubicon Trail	89.83	51	PFAKE	LR	17 29 00.0	+9.0
RUBR							
K05A	comp=Z,6um,22.0s Summer Lake comp=Z,2.1nm,1.1s	89.87	47	eP	P	17 28 52.5	+1.5
K05A					LR		
D05A	comp=Z,5um,22.0s Enumclaw comp=Z,5.6nm,1.4s	89.88	43	eP	P	17 28 51.4	+0.7
D05A					LR		
LON	comp=Z,1.1um,22.0s Longmire	89.92	43	PFAKE	LR	17 29 00.0	+8.9
LON							
BLG	comp=Z,1.0um,22.0s Laguna Peak, P baz=262	89.94	56	P	P	17 28 51.5	+0.1
G05D	Wamic, OR	90.00	45	P	P	17 28 52.1	+0.7
B05A	comp=Z,2um,22.0s Bryant baz=260	90.00	41	P	P	17 28 51.8	+0.6
F05D	White Salmon	90.01	44	P	P	17 28 52.4	+1.0
PINE	comp=Z,1.1nm,1.0s Pine Mountain	90.02	46	eP	P	17 28 52.6	+0.9
PINE					LR		
VOG	comp=Z,7um,20.0s Valley Oaks Go baz=261	90.02	54	P	P	17 28 52.1	+0.5
MOD	comp=Z,1.2nm,1.1s Modoc Plateau	90.17	48	eP	P	17 28 52.3	-0.1
MOD					LR		
VES	comp=Z,9um,20.0s Vestal, Richgr	90.18	54	P	P	17 28 52.5	+0.1
SCI2	comp=Z,2um,22.0s San Clemente I baz=262	90.21	57	P	P	17 28 54.0	+1.4
VCNR	Virginia City	90.25	51	PFAKE	LR	17 29 00.0	+7.0
VCNR							
PNTR	comp=Z,5um,21.0s Pine Nut comp=Z,8.4nm,1.8s	90.26	51	eP	P	17 28 54.3	+1.2
PNTR					LR		
ARVC	comp=Z,6um,22.0s Arvin baz=262	90.28	55	P	P	17 28 54.6	+1.6
OSI	Osito Audit: C	90.30	55	PFAKE	LR	17 29 00.0	+6.9
OSI							
OSI	comp=Z,7um,19.0s Osito Audit: C baz=262	90.30	55	P	P	17 28 53.6	+0.5
WAKR	comp=Z,5.6nm,1.9s Walker	90.30	51	eP	P	17 28 51.7	-1.5
WAKR					LR		
CIS	comp=Z,4um,20.0s Catalina Islan baz=262	90.38	57	P	P	17 28 54.0	+0.5
B06A	Marblemount	90.45	41	PFAKE	LR	17 29 00.0	+6.7
B06A							
MDPB	comp=Z,4um,19.0s Devils Postpil comp=Z,4.8nm,1.9s	90.45	52	eP	P	17 28 54.4	+0.4
MDPB					LR		
G06A	comp=Z,4um,21.0s Carlson Farm, G06A	90.47	45	PFAKE	LR	17 29 10.0	+1.6
G06A							
OMMB	comp=Z,4um,22.0s Old Mammoth Mi comp=Z,4.2nm,1.9s	90.51	52	eP	P	17 28 55.4	+1.0
OMMB					LR		
PAHR	comp=Z,4um,21.0s Pah Rah Range comp=Z,3.6nm,1.5s	90.52	50	eP	P	17 28 55.2	+1.1
PAHR					LR		
YERR	comp=Z,4um,21.0s Yerington comp=Z,2.8nm,1.5s	90.52	51	eP	P	17 28 54.1	-0.1
YERR					LR		
FMP	comp=Z,6um,22.0s Fort Macarthur	90.52	56	P	P	17 28 55.1	+1.0
LLLB	Lillooet	90.56	39	PFAKE	LR	17 29 10.0	+1.6
LLLB							
BTK	comp=Z,1.4um,22.0s Batken comp=Z,5.6nm,1.0s	90.56	310	eP	P	17 28 53.2	-1.1
BTK							
BTK							
DECC	comp=Z,5.6nm,1.0s Green Verdugo	90.57	56	P	P	17 28 55.2	+0.9
MLAC	comp=Z,2um,22.0s Mammoth, Mammo baz=262	90.64	52	P	P	17 28 55.3	+0.5
ISA	comp=Z,2.7nm,1.4s Isabella, Lake	90.65	54	eP	P	17 28 55.0	+0.2
ISA					LR		
ISA	comp=Z,6um,22.0s Isabella, Lake baz=262	90.65	54	P	P	17 28 55.5	+0.7
PASC	comp=Z,2um,22.0s Pasadena Art C	90.68	56	PFAKE	LR	17 29 10.0	+1.5
PASC							
OTUK	comp=Z,4um,19.0s Ortayay	90.78	318	P	P	17 28 55.1	+0.2
OTUK							
LTY	comp=Z,1.5nm,1.4s Liberty	90.78	43	PFAKE	LR	17 29 10.0	+1.5
LTY							
MWC	comp=Z,1.0um,21.0s Mount Wilson comp=Z,4.8nm,1.1s	90.79	56	eP	P	17 28 55.7	+0.2
MWC					LR		
GAR	comp=Z,4um,20.0s Garm comp=Z,8.1nm,1.2s	90.79	309	eP	P	17 28 54.7	-0.7
GAR					LR		
GAR	comp=Z,5um,21.0s Garm	90.79	309	eP	P	17 28 54.7	-0.7
GAR							
GAR	comp=Z,8.1nm,1.2s				MLR		
BRZS	comp=Z,5um,21.0s Berezni comp=Z,4.4nm,3.7s	90.85	320	eP	P	17 28 54.5	-0.7
BRZS							
BRZS	comp=Z,1.45nm,3.7s Berezni comp=Z,4.4nm,3.7s	90.85	320	eP	P	17 28 54.5	-0.7
BRZS							
EDW2	comp=Z,2um,22.0s Edwards Air Fo baz=262,SNR=8.4	90.93	55	P	P	17 28 57.1	+1.1
RYN	comp=Z,5.3nm,1.8s Ryan	91.03	51	eP	P	17 28 56.7	+0.1
RYN					LR		
TIN	comp=Z,5um,22.0s Tinemaha, Big baz=262	91.04	53	P	P	17 28 57.3	+0.7
F07A	comp=Z,7um,22.0s Phinny Hill Vi	91.06	44	PFAKE	LR	17 29 10.0	+1.4
F07A							
CWC	comp=Z,7um,22.0s Cottonwood Cre baz=262	91.07	54	P	P	17 28 57.9	+1.1
I07A	comp=Z,8.8nm,1.0s Ize	91.09	46	eP	P	17 28 57.7	+1.1
JBG	comp=Z,1.12um,2.5s Jabagly	91.12	312	eP	P	17 28 57.5	+0.7
JBG							
BFSO	comp=Z,1.26nm,2.5s Mount Baldy Ra baz=262	91.12	56	P	P	17 28 58.0	+1.0
NV01	comp=Z,2um,22.0s Mina Array Sit baz=264,SNR=19	91.17	52	eP	P	17 28 58.4	+1.1
NVAR	comp=Z,4.2nm,1.0s Mina Array Bea comp=Z,4.2nm,1.0s,baz=254,slow=5.8,SNR=19	91.17	52	P	P	17 32 38.7	+3.9
NVAR							
NVAR	comp=Z,0.2nm,0.4s,baz=249,slow=7.5,SNR=3.0					17 54 29.3	-0.7
NVAR							
NVAR	comp=Z,0.2nm,0.4s,baz=123,slow=4.1,SNR=3.7					18 04 32.3	
NVAR							
KBL	comp=Z,3um,19.9s,baz=274,slow=32					17 28 56.4	-1.1
KBL							
KBL	comp=Z,4.2nm,0.6s						
KBL							
KBL	comp=Z,2um,22.0s						
KBL							

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KBL	comp=Z,6.4nm,0.8s						
KK31	comp=Z,8.1nm,1.8s Kararay Array	91.24	313	eP	P	17 28 56.5	-0.8
KK31	comp=Z,8.1nm,1.8s Kararay Array	91.24	313	iP	P	17 28 56.6	-0.6
KK31							
KKAR	comp=Z,9.0nm,0.8s Kararay Array	91.24	313	eP	P	17 28 56.3	-0.9
KKAR							
KKAR	comp=Z,8.1nm,1.8s Kararay Array	91.24	313	eP	P	17 28 56.3	-0.9
KKAR							
LRMC	comp=Z,8.1nm,1.8s Laurel Mtn Rad baz=262,SNR=9.0	91.26	55	P	P	17 28 58.4	+0.8
NV11	comp=Z,2.9nm,1.4s Mina Array Sit comp=Z,2.9nm,1.4s	91.28	52	eP	P	17 28 58.5	+0.8
NV11					LR		
109C	comp=Z,300nm,22.0s Camp Elliot, M baz=263	91.40	57	P	P	17 28 59.1	+1.0
CPE	comp=Z,5um,20.0s Camp Elliot	91.40	57	PFAKE	LR	17 29 10.0	+1.2
CPE							
HAWA	comp=Z,7um,22.0s Hanford	91.41	44	PFAKE	LR	17 29 10.0	+1.2
HAWA							
KVN	comp=Z,7um,22.0s Kaiserville comp=Z,6.0nm,1.8s	91.41	51	eP	P	17 28 59.1	+0.8
KVN					LR		
MURC	comp=Z,4um,21.0s Murrieta	91.42	56	P	P	17 28 59.3	+1.1
DAC	comp=Z,4.8nm,1.8s Darin (Calif)	91.44	54	eP	P	17 28 58.9	+0.4
DAC					LR		
DAC	comp=Z,6um,21.0s luzhnay	91.45	312	eP	P	17 28 58.6	+0.3
IUG	comp=Z,2.1nm,3.1s luzhnay	91.45	312	eP	P	17 28 58.6	+0.3
IUG							
IUG	comp=Z,2.1nm,3.1s luzhnay	91.45	312	eP	P	17 28 58.6	+0.3
IUG							
WVOR	comp=Z,4.2nm,1.4s Wild Horse Val	91.47	48	eP	P	17 28 58.8	+0.3
WVOR					LR		
WVOR	comp=Z,7um,20.0s Wild Horse Val	91.47	48	eP	P	17 28 58.8	+0.3
WVOR							
WVOR	comp=Z,4.3nm,1.4s				MLR		
WVOR							
MPMC	comp=Z,7um,20.0s Manlius, Prospe baz=262	91.50	54	P	P	17 28 59.0	+0.2
G08A	comp=Z,1.1nm,1.3s Pilot Rock	91.65	45	eP	P	17 28 59.7	+0.5
G08A					LR		
GRAC	comp=Z,5um,20.0s Grapevine Rang baz=262	91.72	53	P	P	17 29 00.7	+1.1
BRLS	comp=Z,3um,21.0s Boroladay	91.72	313	eS	SKSac	17 39 23.4	-4.4
J08A	comp=Z,1.6nm,1.4s Circle Bar Ran comp=Z,1.6nm,1.4s	91.72	47	eP	P	17 28 58.8	-0.8
J08A					LR		
BBRC	comp=Z,7um,21.0s Big Bear Solar	91.73	56	P	P	17 28 59.4	-0.6
BAR	comp=Z,6um,20.0s Barrett	91.74	57	PFAKE	LR	17 29 10.0	+1.0
BAR							
RRX	comp=Z,6um,20.0s Edison Barstow baz=263	91.74	55	P	P	17 28 59.4	-0.4
E08A	comp=Z,10um,22.0s Dider Farm, EI	91.75	44	PFAKE	LR	17 29 10.0	+1.1
E08A							
TAS	comp=Z,10um,22.0s Tashkent	91.89	311	P	P	17 29 02.1	+1.8
D08A	comp=Z,10um,21.0s Wollman Farm	91.92	43	PFAKE	LR	17 29 10.0	+1.0
D08A							
GSC	comp=Z,10um,22.0s Goldstone, Bar comp=Z,1.6nm,1.2s	91.95	55	eP	P	17 29 02.3	+1.5
GSC					LR		
GSC	comp=Z,5um,22.0s Goldstone, Bar baz=263	91.95	55	P	P	17 29 01.6	+0.8
MONP	comp=Z,5um,21.0s Monument Peak baz=263	91.97	57	P	P	17 29 01.9	+0.8
PFO	comp=Z,2.2nm,1.4s Pinyon Flats O	92.03	57	eP	P	17 29 01.7	+0.4
PFO					LR		
PFO	comp=Z,6um,19.0s Pinyon Flats O	92.03	57				

JFWS Jewell Farm	112.29	46	PFAKE	LR	17 34 40.0	+12
JFWS Jewell Farm	112.29	46	P	PKIKP	17 34 27.3	-0.3
DAMV Dhamar	112.31	283	PFAKE	LR	17 34 40.0	+11
DAMV Dhamar	112.31	283	PFAKE	LR	17 34 40.0	+11
I41A Arkdale	112.32	45	PFAKE	LR	17 34 40.0	+12
I41A Arkdale	112.32	45	PFAKE	LR	17 34 40.0	+12
COWI Conover	112.37	43	PFAKE	LR	17 34 40.0	+12
COWI Conover	112.37	43	PFAKE	LR	17 34 40.0	+12
CCM Cathedral Cave	112.40	52	PFAKE	LR	17 34 40.0	+12
CCM Cathedral Cave	112.40	52	PFAKE	LR	17 34 40.0	+12
D41A Chassel	112.52	42	PFAKE	LR	17 34 40.0	+12
D41A Chassel	112.52	42	PFAKE	LR	17 34 40.0	+12
CCAR Cane Creek	112.55	56	PFAKE	LR	17 34 40.0	+12
CCAR Cane Creek	112.55	56	PFAKE	LR	17 34 40.0	+12
L42A Oliver, Polo	112.89	47	PFAKE	LR	17 34 40.0	+11
L42A Oliver, Polo	112.89	47	PFAKE	LR	17 34 40.0	+11
I42A Draeger Farm	113.03	45	PFAKE	LR	17 34 40.0	+11
I42A Draeger Farm	113.03	45	PFAKE	LR	17 34 40.0	+11
SLM Saint Louis	113.09	51	PFAKE	LR	17 34 40.0	+11
SLM Saint Louis	113.09	51	PFAKE	LR	17 34 40.0	+11
CCIG Comitlan	113.16	75	PFAKE	LR	17 34 40.0	+10
CCIG Comitlan	113.16	75	PFAKE	LR	17 34 40.0	+10
X43A Marvell	113.20	56	PFAKE	LR	17 34 40.0	+10
X43A Marvell	113.20	56	PFAKE	LR	17 34 40.0	+10
PBMO Poplar Bluff	113.24	53	PFAKE	LR	17 34 40.0	+10
PBMO Poplar Bluff	113.24	53	PFAKE	LR	17 34 40.0	+10
HDIL Hopedale	113.45	49	PFAKE	LR	17 34 40.0	+10
HDIL Hopedale	113.45	49	PFAKE	LR	17 34 40.0	+10
P43A Skaggs, Pawnee	113.46	50	P	PKIKP	17 34 29.9	0.0
P43A Skaggs, Pawnee	113.46	50	P	PKIKP	17 34 29.9	0.0
SOC Sochi	113.54	315	i P	Pdf	17 30 30.9	-6.3
SOC Sochi	113.54	315	i P	Pdf	17 34 28.2	17 35 19.4
SOC Sochi	113.54	315	e PS	MLR	17 44 48.3	-1.1
SOC Sochi	113.54	315	e PS	MLR	17 50 59.6	-5.7
STEI Steigen	113.67	345	ePKP	PKIKP	17 34 29.0	-0.5
STEI Steigen	113.67	345	ePKP	PKIKP	17 34 40.0	+1.0
GNAR Gosnell	113.69	54	PFAKE	LR	17 34 40.0	+1.0
GNAR Gosnell	113.69	54	PFAKE	LR	17 34 40.0	+1.0
H43A Windswept, Lux	113.70	44	PFAKE	LR	17 34 40.0	+1.0
H43A Windswept, Lux	113.70	44	PFAKE	LR	17 34 40.0	+1.0
ATD Arta Tunnel	113.71	279	PFAKE	LR	17 34 40.0	+8.8
ATD Arta Tunnel	113.71	279	PFAKE	LR	17 34 40.0	+8.8
K43A Burlington	113.71	46	PFAKE	LR	17 34 40.0	+1.0
K43A Burlington	113.71	46	PFAKE	LR	17 34 40.0	+1.0
E43A Lone Tree Farm	113.74	42	PFAKE	LR	17 34 40.0	+1.0
E43A Lone Tree Farm	113.74	42	PFAKE	LR	17 34 40.0	+1.0
E43A Lone Tree Farm	113.74	42	P	PKIKP	17 34 30.2	-0.1
E43A Lone Tree Farm	113.74	42	P	PKIKP	17 34 30.2	-0.1
VBMS Vicksburg	113.79	58	PFAKE	LR	17 34 40.0	+9.2
VBMS Vicksburg	113.79	58	PFAKE	LR	17 34 40.0	+9.2
PARMO Parma	113.80	53	PFAKE	LR	17 34 40.0	+9.4
PARMO Parma	113.80	53	PFAKE	LR	17 34 40.0	+9.4
PVMO Portageville	113.88	53	PFAKE	LR	17 34 40.0	+9.2
PVMO Portageville	113.88	53	PFAKE	LR	17 34 40.0	+9.2
MET Memphis-Engin	113.89	55	PFAKE	LR	17 34 40.0	+9.1
MET Memphis-Engin	113.89	55	PFAKE	LR	17 34 40.0	+9.1
SUMG Summit	113.92	5	PFAKE	LR	17 34 40.0	+1.0
SUMG Summit	113.92	5	PFAKE	LR	17 34 40.0	+1.0
SUMG Summit	113.92	5	ePKIKP	PKIKP	17 34 31.8	+1.4
SUMG Summit	113.92	5	ePKIKP	PKIKP	17 34 31.8	+1.4
L44A Lake County Fo	114.13	47	P	PKP	17 34 31.1	0.0
L44A Lake County Fo	114.13	47	P	PKP	17 34 31.1	0.0
M44A Midewin, Midew	114.21	48	PFAKE	LR	17 34 40.0	+8.7
M44A Midewin, Midew	114.21	48	PFAKE	LR	17 34 40.0	+8.7
M44A Midewin, Midew	114.21	48	P	PKP	17 34 31.0	-0.3
M44A Midewin, Midew	114.21	48	P	PKP	17 34 31.0	-0.3
GLAT Glass	114.23	53	PFAKE	LR	17 34 40.0	+8.5
GLAT Glass	114.23	53	PFAKE	LR	17 34 40.0	+8.5
FLAO FINESS Array S	114.23	336	ePKIKP	PKP	17 34 30.0	-0.8
FLAO FINESS Array S	114.23	336	ePKIKP	PKP	17 45 11.3	-2.1
FLAO FINESS Array S	114.23	336	ePKIKP	PKP	17 34 30.0	-0.7
FLAO FINESS Array S	114.23	336	ePKIKP	PKP	17 34 30.0	-0.8
FINES FINESS Array B	114.23	336	ePKIKP	PKP	17 45 11.3	-2.1
FINES FINESS Array B	114.23	336	ePKIKP	PKP	17 45 11.3	-2.1
FINES FINESS Array B	114.23	336	ePKIKP	PKP	17 34 30.0	-0.7
FINES FINESS Array B	114.23	336	ePKIKP	PKP	17 34 40.0	+8.5
HALT HALT	114.25	54	PFAKE	LR	17 34 40.0	+8.5
HALT HALT	114.25	54	PFAKE	LR	17 34 40.0	+8.5
N44A Piper City	114.27	48	P	PKP	17 34 31.4	0.0
N44A Piper City	114.27	48	P	PKP	17 34 31.4	0.0
E44A Grand Marais A	114.38	42	PFAKE	LR	17 34 40.0	+8.5
E44A Grand Marais A	114.38	42	PFAKE	LR	17 34 40.0	+8.5
OXF Oxford	114.41	55	PFAKE	LR	17 34 40.0	+8.1
OXF Oxford	114.41	55	PFAKE	LR	17 34 40.0	+8.1
T45A Paducah	114.51	53	PFAKE	LR	17 34 40.0	+7.8
T45A Paducah	114.51	53	PFAKE	LR	17 34 40.0	+7.8
Q45A Warren Harvey	114.64	50	P	PKP	17 34 32.0	-0.2
Q45A Warren Harvey	114.64	50	P	PKP	17 34 32.0	-0.2
R45A Skylar, Fairfri	114.66	51	P	PKP	17 34 31.8	-0.4
R45A Skylar, Fairfri	114.66	51	P	PKP	17 34 31.8	-0.4
OLIL Olney	114.72	51	PFAKE	LR	17 34 40.0	+7.6
OLIL Olney	114.72	51	PFAKE	LR	17 34 40.0	+7.6
ANN Anapa	114.83	316	e P	Pdf	17 30 32.8	-1.0
ANN Anapa	114.83	316	e P	Pdf	17 35 29.2	
ANN AN	114.83	316	pmx	pmx		
ANN AN	114.83	316	pmx	pmx		
ANN AN	114.83	316	MLR	MLR		
ANN AN	114.83	316	MLR	MLR		
ANN AN	114.83	316	MLR	MLR		
ANN AN	114.83	316	MLR	MLR		
P45A Graceland, Par	114.83	50	PFAKE	LR	17 34 40.0	+7.4
P45A Graceland, Par	114.83	50	PFAKE	LR	17 34 40.0	+7.4
H45A Beulah	114.85	44	P	PKP	17 34 32.7	+0.2
H45A Beulah	114.85	44	P	PKP	17 34 32.7	+0.2
I45A Fountain	114.87	45	PFAKE	LR	17 34 40.0	+7.5
I45A Fountain	114.87	45	PFAKE	LR	17 34 40.0	+7.5
J45A Montague	114.92	45	PFAKE	LR	17 34 40.0	+7.4
J45A Montague	114.92	45	PFAKE	LR	17 34 40.0	+7.4
G45A Suttons Bay	115.00	43	PFAKE	LR	17 34 40.0	+7.3
G45A Suttons Bay	115.00	43	PFAKE	LR	17 34 40.0	+7.3
G45A Suttons Bay	115.00	43	P	PKIKP	17 34 32.6	-0.1
G45A Suttons Bay	115.00	43	P	PKIKP	17 34 32.6	-0.1
SFIN Lafayette	115.13	49	PFAKE	LR	17 34 50.0	+1.7
SFIN Lafayette	115.13	49	PFAKE	LR	17 34 50.0	+1.7
SFIN Lafayette	115.13	49	P	PKIKP	17 34 33.1	-0.1
SFIN Lafayette	115.13	49	P	PKIKP	17 34 33.1	-0.1
MOR9 Moi Rana	115.17	344	ePKP	PKIKP	17 34 31.8	-0.6
MOR9 Moi Rana	115.17	344	ePKP	PKIKP	17 34 50.0	+1.7
USIN University of	115.20	51	PFAKE	LR	17 34 50.0	+1.7
USIN University of	115.20	51	PFAKE	LR	17 34 50.0	+1.7

P46A Rosedale	115.22	49	P	PKIKP	17 34 33.1	-0.2
P46A Rosedale	115.22	49	P	PKIKP	17 34 33.1	-0.2
V46A Holladay	115.24	54	P	PKIKP	17 34 32.9	-0.5
V46A Holladay	115.24	54	P	PKIKP	17 34 32.9	-0.5
R46A Gibon Southern	115.27	51	P	PKIKP	17 34 33.1	-0.4
R46A Gibon Southern	115.27	51	P	PKIKP	17 34 33.1	-0.4
KONS Konvik	115.29	344	ePKP	PKP	17 34 32.9	+0.3
KONS Konvik	115.29	344	ePKP	PKP	17 34 50.0	+1.7
L46A Eue Claire	115.34	47	PFAKE	LR	17 34 50.0	+1.7
L46A Eue Claire	115.34	47	PFAKE	LR	17 34 50.0	+1.7
WVT Waverly	115.42	53	PFAKE	LR	17 34 50.0	+1.6
WVT Waverly	115.42	53	PFAKE	LR	17 34 50.0	+1.6
WVT Waverly	115.42	53	P	PKIKP	17 34 33.2	-0.6
WVT Waverly	115.42	53	P	PKIKP	17 34 33.2	-0.6
PLAL Pickwick Lake	115.42	55	PFAKE	LR	17 34 50.0	+1.6
PLAL Pickwick Lake	115.42	55	PFAKE	LR	17 34 50.0	+1.6
ILULI Ilulissat	115.43	10	PFAKE	LR	17 34 40.0	+7.2
ILULI Ilulissat	115.43	10	PFAKE	LR	17 34 40.0	+7.2
M46A Old House Fiel	115.44	47	PFAKE	LR	17 34 50.0	+1.6
M46A Old House Fiel	115.44	47	PFAKE	LR	17 34 50.0	+1.6
G46A Petoskey	115.46	43	P	PKIKP	17 34 33.2	-0.4
G46A Petoskey	115.46	43	P	PKIKP	17 34 33.2	-0.4
E46A Sault Ste Mari	115.53	42	ePKIKP	PKIKP	17 34 33.2	-0.5
E46A Sault Ste Mari	115.53	42	ePKIKP	PKIKP	17 34 33.2	-0.5
E46A Sault Ste Mari	115.53	42	P	PKIKP	17 34 33.5	-0.2
E46A Sault Ste Mari	115.53	42	P	PKIKP	17 34 33.5	-0.2
VSU Vasula	115.55	333	e P	PKP	17 34 33.8	+0.5
VSU Vasula	115.55	333	e P	PKP	17 34 34.6	
VSU Vasula	115.55	333	e P	PKP	17 35 36.8	+1.2
VSU Vasula	115.55	333	e P	PKP	17 34 34.1	+0.8
V47A Nunnelly	115.72	54	P	PKP	17 34 33.9	-0.5
V47A Nunnelly	115.72	54	P	PKP	17 34 33.9	-0.5
GLMI Grayling	115.77	43	PFAKE	LR	17 34 50.0	+1.6
GLMI Grayling	115.77	43	PFAKE	LR	17 34 50.0	+1.6
T47A Sharon Grove	115.83	52	PFAKE	LR	17 34 50.0	+1.5
T47A Sharon Grove	115.83	52	PFAKE	LR	17 34 50.0	+1.5
T47A Sharon Grove	115.83	52	P	PKP	17 34 34.1	-0.4
T47A Sharon Grove	115.83	52	P	PKP	17 34 34.1	-0.4
BLO Bloomington	115.83	50	PFAKE	LR	17 34 50.0	+1.5
BLO Bloomington	115.83	50	PFAKE	LR	17 34 50.0	+1.5
P47A Martinsville	115.95	49	P	PKP	17 34 34.7	0.0
P47A Martinsville	115.95	49	P	PKP	17 34 34.7	0.0
R47A Wooly Knot Far	116.01	51	P	PKP	17 34 34.7	-0.2
R47A Wooly Knot Far	116.01	51	P	PKP	17 34 34.7	-0.2
J47A Summer	116.08	45	PFAKE	LR	17 34 50.0	+1.5
J47A Summer	116.08	45	PFAKE	LR	17 34 50.0	+1.5
I47A Gladwin	116.08	44	PFAKE	LR	17 34 50.0	+1.5
I47A Gladwin	116.08	44	PFAKE	LR	17 34 50.0	+1.5
D47A Chapleau	116.09	41	P	PKP	17 34 34.6	-0.2
D47A Chapleau	116.09	41	P	PKP	17 34 34.6	-0.2
E47A Iron Bridge	116.17	41	P	PKP	17 34 34.6	-0.2
E47A Iron Bridge	116.17	41	P	PKP	17 34 34.6	-0.2
G47A Hillman	116.19	43	P	PKIKP	17 34 35.2	+0.2
G47A Hillman	116.19	43	P	PKIKP	17 34 35.2	+0.2
WCI Wyandotte Cave	116.21	51	PFAKE	LR	17 34 50.0	+1.5
WCI Wyandotte Cave	116.21	51	PFAKE	LR	17 34 50.0	+1.5
PLCA Paso Flores	116.28	142	PKP	PKIKP	17 34 36.0	+0.5
PLCA Paso Flores	116.28	142	PKP	PKIKP	17 3	

TZTN	comp-Z,7,um,22.0s	LR	LR		
TZTN	Tazewell	118.71	52	P	PKPpdf 17 34 40.1 -0.1
W52A	Murphy	118.74	54	PFAKE	17 34 50.0 +1.0
W52A	comp-Z,5,um,20.0s				
W52A	Murphy	118.74	54	P	PKPpdf 17 34 39.8 -0.5
V52A	Sevierville	118.84	53	PFAKE	17 34 50.0 +1.0
V52A	comp-Z,7,um,22.0s				
V52A	Sevierville	118.84	53	P	PKPpdf 17 34 39.8 -0.6
X52A	Dahlonega	118.87	54	P	PKPpdf 17 34 40.3 -0.2
Y52A	Liburn	118.88	55	PFAKE	17 34 50.0 +9.4
BR101	Keeskin Array S	118.92	312	ePKPpdf	17 34 40.6 0.0
BR101	Keeskin Array S	118.92	312	ePKPpdf	17 44 58.3 +0.5
BR131	Keeskin Array S	118.92	312	ePKPpdf	17 34 40.1 -0.5
BR131	Keeskin Array S	118.92	312	ePKPpdf	17 34 40.6 0.0
BRTR	comp-Z,4,8nm,0.7s,baz=121,slow=2.2,SNR=26				
BRTR	Keeskin Array S	118.92	312	ePKPpdf	17 44 58.3 +0.5
R52A	Catlettsburg	118.97	50	P	PKPpdf 17 34 40.0 -0.6
P52A	Corning	119.01	46	P	PKPpdf 17 34 40.0 -0.7
T52A	Hallie	119.02	51	PFAKE	17 34 50.0 +9.2
T52A	comp-Z,4,um,20.0s				
T52A	Hallie	119.02	51	P	PKPpdf 17 34 40.2 -0.5
M52A	Chesterland	119.02	46	PFAKE	17 34 50.0 +9.4
M52A	comp-Z,6,um,20.0s				
M52A	Chesterland	119.02	46	P	PKPpdf 17 34 40.7 +0.1
I52A	Shelburne	119.03	43	P	PKPpdf 17 34 40.2 -0.3
BUKO	Buck Lake	119.06	41	P	PKPpdf 17 34 40.4 -0.2
O52A	Adamsville	119.09	48	PFAKE	17 34 50.0 +9.2
O52A	comp-Z,4,um,19.0s				
J52A	Paris	119.10	44	P	PKiKp 17 34 41.0 +0.3
D52A	ZEK Kipawa Sen	119.12	39	P	PKPpdf 17 34 40.2 -0.4
253A	Americus	119.17	57	PFAKE	17 34 50.0 +8.8
253A	comp-Z,5,um,21.0s				
453A	Whigham	119.23	59	PFAKE	17 34 50.0 +8.7
453A	comp-Z,5,um,22.0s				
453A	Whigham	119.23	59	P	PKPpdf 17 34 41.1 -0.2
E52A	Mattawa	119.23	40	P	PKPpdf 17 34 40.5 -0.3
VLD0	Vai d'Or	119.26	38	PFAKE	17 34 50.0 +9.2
VLD0	comp-Z,9,um,19.0s				
GOGA	Godfrey	119.46	56	PFAKE	17 34 50.0 +8.3
GOGA	comp-Z,4,um,22.0s				
SADO	Sadova	119.48	42	PFAKE	17 34 50.0 +8.6
SADO	comp-Z,4,um,21.0s				
V53A	Saluda	119.50	53	PFAKE	17 34 50.0 +8.2
V53A	comp-Z,7,um,22.0s				
V53A	Saluda	119.50	53	P	PKPpdf 17 34 41.3 -0.4
R53A	Hurricane	119.50	50	PFAKE	17 34 50.0 +8.3
RS3A	comp-Z,7,um,22.0s				
ANTO	Ankara	119.50	312	ePKPpdf	17 34 42.6 +0.9
ANTO	comp-Z,900nm,21.0s				
ANTO	Ankara	119.50	312	ePKPpdf	17 34 42.9 +1.2
ANTO	Ankara	119.50	312	ePKPpdf	17 34 42.9 +1.2
O53A	New Philadelph	119.51	47	P	PKPpdf 17 34 41.8 +0.2
U53A	Fall Branch	119.52	52	P	PKPpdf 17 34 41.9 +0.1
D53A	Lac Vacive, Po	119.53	39	ePKPpdf	17 34 40.9 -0.5
D53A	comp-Z,12,um,20.0s				
D53A	Lac Vacive, Po	119.53	39	P	PKPpdf 17 34 41.1 -0.2
M53A	Williamson	119.54	51	P	PKPpdf 17 34 41.5 -0.3
S53A	WI Miller and	119.54	46	P	PKPpdf 17 34 41.2 -0.4
BG3	Lake Jocassee	119.56	54	PFAKE	17 34 50.0 +8.1
BG3	comp-Z,3,um,19.0s				
SUW	Suwalki	119.59	330	eP	PKiKp 17 34 42.8 +1.5
SUW	Suwalki	119.59	330	ePKPpdf	17 34 41.0 -0.3
SUW	Suwalki	119.59	330	ePKiKp	17 34 41.0 -0.3
SUW	Suwalki	119.59	330	ePKiKp	17 34 41.0 -0.3
P53A	Whipple	119.60	48	PFAKE	17 34 50.0 +8.2
P53A	comp-Z,5,um,19.0s				
P53A	Whipple	119.60	48	P	PKPpdf 17 34 41.4 -0.3
N53A	Lisbon	119.62	47	ePKPpdf	17 34 41.1 -0.6
N53A	comp-Z,4,um,18.0s				
N53A	Lisbon	119.62	47	P	PKPpdf 17 34 41.8 0.0
L53A	Girard	119.67	45	P	PKPpdf 17 34 41.5 -0.3
Q53A	Leroy	119.68	49	P	PKPpdf 17 34 41.9 0.0
G53A	Haliburton	119.69	41	P	PKPpdf 17 34 41.6 -0.1
NC405	NORSAR Array S	119.72	341	ePKPpdf	17 34 41.7 +0.2
TIGA	Tifton	119.74	58	PFAKE	17 34 50.0 +7.7
TIGA	comp-Z,4,um,20.0s				
TIGA	Tifton	119.74	58	P	PKPpdf 17 34 41.8 -0.4
ALGO	Algonquin Park	119.75	40	P	PKPpdf 17 34 41.7 -0.2
KIS	Kishinev	119.75	321	ePKP	17 34 41.0 -0.8
KIS	Kishinev	119.75	321	ePP	17 36 04.0 -1.2
KIS	Kishinev	119.75	321	ePS	17 45 48.0 0.0
KIS	Kishinev	119.75	321	ePKiKp	17 34 41.0 -0.8
KIS	Kishinev	119.75	321	e	17 36 04.0
KIS	Kishinev	119.75	321	ePPS	17 45 48.0 0.0
KIS	Kishinev	119.75	321	eSS	17 52 20.0 -5.8
NC303	NORSAR Array S	119.75	341	ePKPpdf	17 34 41.8 +0.3
MLLM	Milestii Mici	119.78	321	eP	PKPpdf 17 34 42.0 +0.2
E53A	Dumoine, Ponti	119.83	40	P	PKPpdf 17 34 41.6 -0.3
DOMB	Dombas	119.84	343	ePKPpdf	17 34 41.9 +0.2
ALLY	Alleghey Coile	119.85	46	PFAKE	17 34 50.0 +7.7
ALLY	comp-Z,5,um,20.0s				
MOL	Blonde	119.86	344	ePKPpdf	17 34 42.1 +0.5
NB201	NORSAR Array S	119.91	341	ePKPpdf	17 34 41.7 0.0
NC204	NORSAR Array S	119.91	341	ePKPpdf	17 34 41.7 0.0
154A	Montrose	119.92	56	PFAKE	17 34 50.0 +7.4
154A	comp-Z,6,um,20.0s				
NB2	NORSAR Subarray	119.94	341	PKPpdf	17 34 41.6 -0.2
NB2	comp-Z,16nm,0.6s,baz=40,slow=1.8				
NB2	NORSAR Subarray	119.94	341	PKiKp	17 34 39.2 -2.6
NB2	comp-Z,16nm,0.5s				
NB2	NORSAR Subarray	119.94	341	PKPpdf	17 34 41.6 -0.2
NB200	NORSAR Array S	119.94	341	ePKPpdf	17 34 41.5 -0.3
NB200	NORSAR Array S	119.94	341	ePKPpdf	17 44 50.4 -2.3
NOA	NORSAR Array B	119.94	341	PKP	17 34 41.5 -0.3
NOA	comp-Z,12nm,0.5s,baz=44,slow=1.9,SNR=114				
NOA	comp-Z,4,2nm,0.8s,baz=41,slow=3.6,SNR=16				

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JTS	Las Juntas de	120.01	82	PFAKE	LR	17 35 00.0 +1.7
JTS	comp-Z,2,um,20.0s					
NC602	NORSAR Array S	120.06	341	ePKPpdf	PKPpdf	17 34 41.9 -0.1
NC602	NORSAR Array S	120.06	341	ePKPpdf	PKPpdf	17 34 42.1 +0.1
N0RES	N0RES Array B	120.06	341	PKP	PKP	17 34 41.6 -0.4
N0RES	comp-Z,24nm,0.5s					
U54A	Nelsons Funny	120.07	52	PFAKE	LR	17 34 50.0 +7.1
U54A	comp-Z,5,um,21.0s					
U54A	Nelsons Funny	120.07	52	P	PKPpdf	17 34 42.7 -0.2
X54A	Belton	120.10	54	P	PKPpdf	17 34 42.3 -0.6
E54A	Lac Daplat, Po	120.11	40	P	PKPpdf	17 34 42.2 -0.3
T54A	Tazewell	120.12	51	P	PKPpdf	17 34 42.6 -0.3
S54A	Dingess, Beckl	120.13	50	P	PKPpdf	17 34 42.4 -0.5
W54A	Cherokee Point	120.13	53	P	PKPpdf	17 34 42.4 -0.5
O54A	Aveila	120.14	47	P	PKPpdf	17 34 42.4 -0.3
D54A	Lac Fusel, La	120.15	39	P	PKPpdf	17 34 42.4 -0.2
Q54A	Coxs Mills	120.16	49	ePKPpdf	PKPpdf	17 34 42.7 -0.2
Q54A	comp-Z,3,um,19.0s					
Q54A	Coxs Mills	120.16	49	P	PKPpdf	17 34 42.4 -0.4
N54A	Moraine State	120.18	46	PFAKE	LR	17 34 50.0 +7.1
N54A	comp-Z,4,um,19.0s					
N54A	Moraine State	120.18	46	P	PKPpdf	17 34 42.6 -0.3
BANO	Bancroft	120.19	41	P	PKPpdf	17 34 42.5 -0.2
NA001	NORSAR Array S	120.19	341	ePKPpdf	PKPpdf	17 34 42.5 +0.2
M54A	Oil Creek Stat	120.24	46	ePKPpdf	PKPpdf	17 34 43.0 0.0
M54A	comp-Z,4,um,20.0s					
M54A	Oil Creek Stat	120.24	46	P	PKPpdf	17 34 42.6 -0.3
L54A	Sinclairville	120.24	45	P	PKPpdf	17 34 42.5 -0.5
CHGQ	Chibougamau	120.28	35	P	PKPpdf	17 34 42.6 -0.2
WLVO	Wesleyville	120.28	43	P	PKPpdf	17 34 42.4 -0.5
AKN	Asakases	120.33	344	ePKPpdf	PKiKp	17 34 43.3 +0.7
J54A	Appleton	120.35	43	PFAKE	LR	17 34 50.0 +6.9
J54A	comp-Z,5,um,22.0s					
PEMO	Pembroke	120.37	40	P	PKPpdf	17 34 43.0 0.0
CSS	Mathiatis	120.38	306	ePKPpdf	PKPpdf	17 34 43.5 0.0
CSS	comp-Z,1,um,21.0s					
TLCR	TLCR	120.47	319	eP	PKiKp	17 34 43.7 +0.4
TLCR	TLCR	120.47	319	ePKiKp	PKiKp	17 34 43.7 +0.4
PAULI	Pauline	120.49	54	PFAKE	LR	17 35 00.0 +1.6
PAULI	comp-Z,4,um,19.0s					
MDUB	Mudurnu	120.49	313	ePKPpdf	PKPpdf	17 34 42.2 -1.4
MDUB	comp-Z,1,um,20.0s					
S55A	McAlpin	120.50	59	PFAKE	LR	17 35 00.0 +1.6
S55A	comp-Z,5,um,21.0s					
MEDO	Medina	120.52	44	PFAKE	LR	17 35 00.0 +1.7
MEDO	comp-Z,6,um,22.0s					
K54A	Basilliko Farm,	120.55	44	P	PKPpdf	17 34 42.9 -0.6
B0SA	Boshof	120.57	231	PKP	PKiKp	17 34 45.4 +1.1
B0SA	comp-Z,1.1nm,0.8s,baz=117,slow=1.8,SNR=23					
B0SA	Boshof	120.57	231	ePKPpdf	PKiKp	17 34 44.9 +0.7
255A	Hazlehurst	120.58	57	PFAKE	LR	17 35 00.0 +1.6
255A	comp-Z,8,um,21.0s					
255A	Hazlehurst	120.58	57	P	PKPpdf	17 34 43.2 -0.6
DELO	Deloro Mine	120.58	42	PFAKE	LR	17 35 00.0 +1.6
DELO	comp-Z,8,um,22.0s					
DELO	Deloro Mine	120.58	42	P	PKPpdf	17 34 43.0 -0.5
I55A	Frankford	120.65	42	P	PKPpdf	17 34 43.6 0.0
U55A	TA2, Sparta	120.68	52	P	PKPpdf	17 34 44.1 0.0
U55A	comp-Z,5,um,20.0s					
U55A	Mont Chateau	120.69	48	PFAKE	LR	17 35 00.0 +1.6
MCWV	Mont Chateau	120.69	48	PFAKE	LR	17 35 00.0 +1.6
MCWV	comp-Z,2,um,19.0s					
KLNR	Kaliningrad	120.69	332	ePKiKp	PKiKp	17 34 44.0 +0.6
ESPN	Las Esperanzas	120.70	80	PFAKE	LR	17 35 00.0 +1.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like Lijar, Bom Sucesso, Melilla, Beja, Reales, Nicotiana, Gibalbin, Mesjejana, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like VANB Van, YANB Van-Muradiye, YMUR ERCIS-VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like Gunungsitoli, Kotacane, Aceh, Tuntungan, Prapat, etc.

GUC 04 18:59:32.9.0.7,20.020S:69.64W,h73km,4km,ML3.2
SJA 04 18:59:33.5.0.9,20.020S:69.70W,h67km,6km,ML2.5,
MW2.6

ISCJB 04 18:59:34.3.0.8,20.030S:0.03:69.70W,0.07,h66km,9km,
Error ellipse: s-maj=10.5km s-min=5.7km az=174.6

ISC 04 18:59:35.1.1.5,20.040S:0.04:69.69W,0.06,h61km,12km,
n19,c0576/29,2C-3D,Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like IPOC Station P, Chusmiza, Pisagua, etc.

ISCJB 04 19:01:43.0.0.5,39.40N:0.02:32.16E,0.02,h1km,4km,
Error ellipse: s-maj=3.0km s-min=2.5km az=3.1

ISK 04 19:01:42.6,39.39N:32.21E,h6km,ML3.5/4.1
DDA 04 19:01:42.8,39.38N:32.21E,h15km,1km,ML3.3
ISC 04 19:01:43.1.1.1,39.38N:0.02:32.19E,0.02,h8km,10km,
n86,c0863/101,6C-5D,Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like SIVRIHISAR, KIZIT, KONYA-Kulu, etc.

Table with columns: YLV, Yalova, 2.47 300 PN Pn, 19 02 24.8 +1.1, etc. Lists stations like Yalova, Uludag, Kurucasile-Bar, etc.

JMA 04 19:03:43.0,29.74N:130.11E,h63km,1km,M3.6,Ryukyu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Nakanoshima, Yakushimairau, etc.

NDI 04 19:47:54.4.2.5,23.10N:94.32E,h15km,ML3.6
ISC 04 19:47:57.8.3.4,23.22N:0.2:94.2E:0.1,h35km,n17,
r170/25,Myanmar-India border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KOHI, BELO, MOKO, etc.

IDC 04 20:01:15.3:2.0,5:33S:152.80E,h0km,mb3.5/4,
mb1 3.7/4,mb1mx3.5/23,mbtm3.5/4, Error ellipse:
s-maj=67.6km s-min=35.8km az=123.0,New Britain
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like PMG, ASAR, CMAR, etc.

ISCJB 04 20:09:06.0.0.4,24.05N:0.02:121.88E:0.02,h50km,5km,
Error ellipse: s-maj=4.2km s-min=3.0km az=150.3
JMA 04 20:09:05.0.1,23.99N:121.85E,h49km,1km
TAP 04 20:09:06.2,24.05N:121.84E,h50km,ML2.7,4
ISC 04 20:09:06.5.1,24.05N:0.03:121.86E:0.03,h46km,8km,
n41,c0717/3,2C,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like TWD, HWA, NACB, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like NACB, ETXH, ETLH, NANS, etc.

MEX 04 20:48:07.0.0.4,15.69N:94.91W,h17km,19km,MD3.9,
Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like HUIG, CMIG, etc.

NIED 04 21:01:00.34:50N:140.00E,h32km,Mw3.7 Best double
couple: M4-2.9000x1014 N1P1=353.00000,368.00000,
2-14.00000, N1P2=88.00000,877.00000,
2-158.00000

IDC 04 21:01:04.0.1.2,34.39N:140.00E,h0km,mb3.6/6,
mb1 3.7/7,mb1mx3.5/26,mbtm3.6/7,ML3.1/1,MS3.1/1,
M3.1 3.1/1,ms1mx2.4/25, Error ellipse: s-maj=42.4km
s-min=22.7km az=73.0
JMA 04 21:01:08.4.0.1,34.49N:139.96E,h17km,2km,M3.9
JMA Feit II J1
ISC 04 21:01:05.7.1.7,34.42N:0.05:139.99E:0.05,h8km,10km,
n25,c0862/6,mb3.7/6,4C-4D,Near south coast of
eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like Oshima, Boso, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like JMKN, BS04, JKO, etc.

NNC 04 21:18:28.1u.3.8, 37.761N, 70.99E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=30.4km s-min=20.3km az=169.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like AML, UCH, EK2S, etc.

IDC 04 22:01:18.9u.1.3, 25.87S, 70.94W, h0km, mb3.2/1, mb1.4/1.5, mb1mx3.732, mbtimp3.9/5, ML3.8/4, Error ellipse: s-maj=36.7km s-min=23.2km az=87.0

ISCJB 04 22:01:23.6u.0.6, 25.78S, 0.03:70.72W, 0.0, h33km, mb4.5, mb4.1/6, Error ellipse: s-maj=12.4km s-min=4.4km az=42.4

SJA 04 22:01:23.5u.0.8, 25.58S, 71.14W, h80km, 6km, ML4.0, MW4.1

GUC 04 22:01:24.8u.0.0, 25.88S, 70.40W, h46km, 1km, ML3.8, NEIC 04 22:01:24.0u.0.0, 25.87S, 70.43W, h47km, mb4.2/5, ML3.8(GUC), After GUC.

ISC 04 22:02:16.5u.0.6, 25.23S, 0.03:70.66W, 0.09, h39km, 5km, n47, e2s31/54, mb4.3/6, 2C-1D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like CRCH, GO02, PB14, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like PV03, MTPU, TOA1, etc.

IDC 04 22:16:46.2u.1.0, 17.47S, 173.66W, h0km, mb3.9/6, mb1.4/2.6, mb1mx4.0/28, mbtimp4.0/6, MS3.1/3, Ms1.3/1.3, ms1mx2.9/19, Error ellipse: s-maj=44.9km s-min=24.0km az=128.0

ISCJB 04 22:16:50.0u.0.6, 17.6S, 0.1:173.6W, 0.1, h39km, mb4.3/10, MS3.1/3, Error ellipse: s-maj=17.3km s-min=14.5km az=128.0

NEIC 04 22:16:51.0u.0.5, 17.74S, 173.56W, h40km, 14km, mb4.5/6, Error ellipse: s-maj=30.4km s-min=13.7km az=153.0

ISC 04 22:16:51.7u.0.7, 17.6S, 0.2:173.5W, 0.1, h39km, n21, e057/18, mb4.3/10, MS3.2/3, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like NIUE, URZ, PPT, etc.

ISCJB 04 23:10:35.5u.0.5, 0.168S, 0.07:164.72E, 0.07, h24km, mb4.5/19, MS3.5/6, Error ellipse: s-maj=10.5km s-min=9.6km az=3.4

NEIC 04 23:10:39.2u.1.0, 10.64S, 164.77E, h38km, 7km, mb4.4/9, Error ellipse: s-maj=21.6km s-min=14.5km az=71.0

IDC 04 23:10:44.2u.1.5, 10.67S, 164.50E, h78km, 42km, mb3.9/13, mb1.4/0.15, mb1mx3.8/37, mbtimp4.2/15, ML4.5/2, MS3.5/8, Ms1.3/5.8, ms1mx3.2/24, Error ellipse: s-maj=33.4km s-min=16.9km az=94.0

ISC 04 23:10:47.0u.0.6, 10.65S, 0.09:164.74E, 0.09, h24km, n44, e1508/37, mb4.4/19, MS3.5/6, Santa Cruz Islands region

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like ZALV, ZAA1, MAK2, etc.

IDC 04 23:16:54.4u.2.7, 23.01S, 178.17W, h0km, mb3.5/3, mb1.3/9.3, mb1mx3.6/31, mbtimp3.5/3, MS3.3/1, Ms1.3/3.1, ms1mx2.6/20, Error ellipse: s-maj=160.1km s-min=35.3km az=155.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like ASAR, TXAR, ILAR, etc.

GUC 04 23:20:44.0u.0.7, 29.77S, 71.61W, h40km, 3km, ML3.7, SJA 04 23:20:44.9u.0.4, 29.87S, 71.63W, h3km, 8km, ML3.7, MW3.9

ISC 04 23:20:43.4u.2.2, 29.75S, 0.04:71.75W, 0.09, h8km, 12km, n29, e2s16/38, 12C-6D, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like LSCH, G004, G004, etc.

NDI 04 23:42:04.2u.2.0, 25.05N, 93.95E, h10km, ML3.9, Northeastern India

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h m s, ISC. Includes stations like KOHI, MOKO, etc.

HEL 04 23:52:17.2u.0.2, 67.84N, 20.24E, h0km, ML1.7, Explosion, Sweden

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

5d 0h

Table with columns: TOF, comp, AZ, MSG, 23 53 27.7, SG, Sb, 23 53 30.6 -0.3, SGF, SG, 2.44 96, PB, Pn, 23 52 59.5 +1.3, AREG, ARCESS Array S, 2.56 46, PB, Pn, 23 53 32.7 +0.3, MSF, Masselka, 3.97 115, PG, Pn, 23 53 00.5 +0.4, 23 53 28.9 +0.9

UPP 04:23:53.11.3.0.1, 67.82N:20.20E, h0km, ML1.5,

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, Explosion, Sweden

ISC/JB 05 00:07:29.6:0.3, 32.87S:0.03:67.60W:0.04, h8km, mb4.0/9, MS3.4/1, Error ellipse: s-maj=5.0km s-min=-4.4km

IDC 05 00:07:29.4:0.7, 32.81S:67.63W, h0km, mb4.0/8, mb1.4/1.13, mb1mx4.0/2.3, mbtmp3.9/13, ML3.5/5, MS3.3/3, Ms1.3/2.3, ms1mx3.0/1.8, Error ellipse: s-maj=20.9km

SJA 05 00:07:32.9:0.8, 32.75S:67.86W, h15km, 4km, ML4.0, MW4.2, Fault plane solution: NPT, slip=189.20000, 856.30000, lambda=138.10000

NEIC 05 00:07:36.1:4.4, 32.79S:67.64W, h47km, 8km, MD4.1(SJA), Error ellipse: s-maj=13.1km s-min=-7.2km

NEIC Fault (VI) in the epicentral area and (III) at Mendoza, IS 05 00:07:31.2:0.5, 32.82S:67.81W:0.04, h8km, n67, s172/72, mb3.9/9, 3C-7D, Mendoza Province

Main table of station data with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

2013 JUL

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

ISC 05 00:09:50.4:0.9, 44.11N:0.04:16.10E:0.03, h16km, 7km, n11, s1955/22, Northwest Balkan Peninsula

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

VAO 05 00:41:18.8:0.3, 21.99S:68.36W, h10km, mb5.3, SJA 05 00:41:27.9:0.8, 22.57S:68.55W, h111km, 9km, ML3.8, MW5.0

ISC/JB 05 00:41:27.1:0.2, 22.56S:0.02:68.50W:0.03, h123km, 2km, mb4.8/77, Error ellipse: s-maj=4.9km s-min=3.3km

IDC 05 00:41:27.2:0.5, 22.39S:68.24W, h99km, 4km, mb4.6/11, mb1.4/6/14, mb1mx4.4/2.2, mbtmp4.9/14, MS3.6/6, Ms1.3/5.9, ms1mx3.3/2.5, Error ellipse: s-maj=16.1km

GUC 05 00:41:28.4:0.6, 22.48S:68.64W, h122km, 4km, ML4.6, NEIC 05 00:41:28.0:0.0, 22.48S:68.64W, h122km, mb4.9/77, ML4.6(GUC), After GUC

BUI 05 00:41:28.0:0.0, 22.50S:68.40W, h100km, mb5.2/8, IS 05 00:41:27.3:0.4, 22.49S:0.03:68.40W:0.04, h106km, 3km, h105km: p-P, n469, s1947/505, mb4.9/77, 11C-2D, Northern Chile

Main table of station data for the second section with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

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Main table of station data for the third section with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC, h, m, s, ISC

U59A	Littleton	59.19 351	P	P	00 51 17.5 +0.3	Q55A	Buckhannon	62.13 350	P	P	00 51 38.2 +1.0	HDIL	Hopedale	65.67 343	P	P	00 51 59.3 -0.9
VNA1	Neumayer-Stat	59.20 160	P	P	00 51 19.2 +2.4	P58A	Bank, Wackersv	62.21 352	P	P	00 51 38.3 +0.7	L48A	N Adams	65.80 347	P	P	00 51 60.0 -1.1
U60A	Pendleton	59.22 352	P	P	00 51 17.7 +0.4	W39A	Magazine	62.21 337	eP	P	00 51 38.4 +0.7	L49A	Milan	65.82 348	P	P	00 52 00.7 -0.5
V55A	Taylorville	59.27 348	P	P	00 51 18.1 +0.3	W39A	Magazine	62.21 337	P	P	00 51 38.2 +0.5	L47A	Sherwood	65.99 346	P	P	00 52 01.8 -0.5
X48A	Hartselle	59.33 342	P	P	00 51 18.1 -0.1	P59A	Jarrettsville	62.23 353	P	P	00 51 38.2 +0.5	M44A	Midewin, Midew	66.11 344	P	P	00 52 04.9 +1.8
U58A	Oxford	59.34 350	P	P	00 51 18.7 +0.5	S47A	Hartford	62.24 343	P	P	00 51 36.9 -1.0	K50A	Casco	66.25 349	P	P	00 52 03.3 -0.6
V54A	Nebo	59.35 347	P	P	00 51 19.1 +0.8	Q54A	Coxs Mills	62.24 349	P	P	00 51 38.1 +0.3	J52A	Paris	66.34 350	P	P	00 52 04.5 +0.1
V53A	Saluda	59.43 346	P	P	00 51 19.3 +0.4	Q53A	Leroy	62.25 348	P	P	00 51 38.1 +0.3	NCB	Newcomb	66.34 355	eP	P	00 52 05.0 +0.4
U57A	Blanch	59.50 350	P	P	00 51 19.8 +0.5	P57A	Homestead Farm	62.30 352	P	P	00 51 39.3 +1.1	LBNH	Lisbon	66.48 357	eP	P	00 52 06.4 +1.0
NATX	Nacogdoches	59.51 334	P	P	00 51 20.6 +1.1	P60A	Greenville	62.34 354	P	P	00 51 38.8 +0.4	LBNH	Lisbon	66.48 357	P	P	00 52 06.6 +1.3
W50A	Signal Mountai	59.57 344	P	P	00 51 20.0 +0.1	ABTX	Abilene, Hawle	62.40 330	P	P	00 51 39.7 +0.7	K48A	Perry	66.56 347	P	P	00 52 05.3 -0.6
U56A	King	59.60 349	P	P	00 51 20.7 +0.7	P56A	Dayton Farm, R	62.43 351	P	P	00 51 40.1 +1.0	PECO	Prince Edward	66.56 353	eP	P	00 52 05.9 0.0
X47A	Russelville	59.63 341	P	P	00 51 19.5 -0.8	Q52A	Bidwell	62.49 348	P	P	00 51 39.5 0.0	PECO	Prince Edward	66.56 353	P	P	00 52 06.0 +0.2
W49A	Belvidere	59.74 343	P	P	00 51 20.6 -0.4	O61A	Allentown	62.52 355	P	P	00 51 40.2 +0.6	DRWO	Darlington Wes	66.71 352	P	P	00 52 07.3 +0.5
T59A	Double "B" Far	59.75 352	eP	P	00 51 20.9 -0.2	P55A	Reedsville	62.59 350	P	P	00 51 40.7 +0.5	WLVO	Wesleyville	66.72 352	P	P	00 52 06.8 0.0
T59A	Double "B" Far	59.76 352	P	P	00 51 21.6 +0.5	MVL	Millersville	62.60 353	eP	P	00 51 40.6 +0.4	PKRW	Pickering	66.84 352	P	P	00 52 07.9 +0.2
V52A	Sevierville	59.77 346	eP	P	00 51 20.7 -0.4	WCI	Wyandotte Cave	62.69 344	P	P	00 51 40.1 -0.7	EMMW	East Machias	66.87 1 eP	P	P	00 52 08.1 +0.3
V52A	Sevierville	59.77 346	P	P	00 51 21.1 0.0	MCWV	Mont Chateau	62.74 350	P	P	00 51 41.9 +0.8	I55A	Frankford	66.92 353	P	P	00 52 08.3 +0.2
U55A	TA2, Sparta	59.87 348	P	P	00 51 22.3 +0.4	P54A	Burton	62.79 350	P	P	00 51 42.0 +0.6	HAL	Halifax	66.94 4 eP	P	P	00 52 09.0 +0.8
T58A	Grand View Acr	59.88 351	P	P	00 51 22.0 +0.1	O58A	Lewisberry	62.79 353	P	P	00 51 42.3 +0.9	J48A	Bridge Port	66.97 348	P	P	00 52 07.9 -0.5
X46A	Booneville	59.88 341	P	P	00 51 21.1 -0.9	O60A	Telford	62.82 354	P	P	00 51 42.4 +0.8	I51A	Listowel	66.97 350	P	P	00 52 08.4 -0.1
V51A	Loudon	59.91 345	P	P	00 51 21.7 -0.4	P53A	Whipple	62.83 349	P	P	00 51 42.1 +0.4	LONY	Lake Ozonia	67.02 355	eP	P	00 52 09.2 +0.4
W48A	Pulaski	59.95 342	P	P	00 51 22.2 -0.2	O59A	Robesonia	62.89 353	P	P	00 51 42.7 +0.5	LONY	Lake Ozonia	67.02 355	P	P	00 52 09.6 +0.8
V50A	Pikeville	59.96 344	P	P	00 51 22.4 -0.1	O57A	Amberson	62.96 352	P	P	00 51 43.4 +0.8	I52A	Shelburne	67.10 351	P	P	00 52 09.6 +0.3
U54A	Nelsons Funny	60.04 348	eP	P	00 51 23.1 -0.1	S44A	Carbondale	62.99 342	P	P	00 51 42.3 -0.5	J47A	Sumner	67.12 347	P	P	00 52 08.8 -0.6
U54A	Nelsons Funny	60.04 348	P	P	00 51 23.3 +0.1	Q49A	Aurora	63.09 346	P	P	00 51 42.9 -0.6	H56A	Elgin	67.14 354	P	P	00 52 10.1 +0.6
T57A	Hurt	60.04 350	P	P	00 51 23.7 +0.6	P52A	Corning	63.11 348	P	P	00 51 43.4 -0.2	FRNY	Flat Rock	67.16 356	eP	P	00 52 10.2 +0.6
U53A	Fall Branch	60.05 347	P	P	00 51 23.2 +0.1	O56A	Blue Knob Stat	63.14 351	eP	P	00 51 44.2 +0.3	H55A	Tweed	67.19 353	P	P	00 52 10.2 +0.4
T56A	Rocky Mt	60.20 349	P	P	00 51 25.0 +0.9	O55A	Ligonier	63.19 351	P	P	00 51 45.0 +0.8	DELO	Deloro Mine	67.21 353	P	P	00 52 10.3 +0.3
S61A	Accomac	60.23 353	P	P	00 51 23.9 -0.3	Q48A	North Vernon	63.21 345	P	P	00 51 44.4 +0.1	BA50	Ashfield	67.28 350	P	P	00 52 10.3 -0.2
W47A	Westpoint	60.24 342	P	P	00 51 23.8 -0.6	R45A	Skylar, Fairri	63.27 343	P	P	00 51 43.9 -0.7	GGN	Saint George	67.29 1 eP	P	P	00 52 11.5 +1.1
U52A	Thorn Hill	60.24 346	P	P	00 51 24.0 -0.4	O54A	Avella	63.34 350	P	P	00 51 45.1 0.0	BWLO	Walkerton	67.30 350	P	P	00 52 10.5 0.0
T55A	Pulaski	60.42 349	P	P	00 51 26.6 +0.9	N60A	Cedar Hill Far	63.34 354	P	P	00 51 45.6 +0.6	K43A	Burlington	67.42 344	P	P	00 52 11.4 0.0
BLA	Blacksburg	60.45 349	eP	P	00 51 26.0 +0.1	PAL	Palisades	63.37 355	P	P	00 51 45.6 +0.3	PKME	Peaks-Kenny Pk	67.43 359	eP	P	00 52 12.2 +0.9
BLA	Blacksburg	60.45 349	P	P	00 51 26.7 +0.9	Q47A	Bedord North L	63.39 344	P	P	00 51 44.8 -0.6	PKME	Peaks-Kenny Pk	67.43 359	P	P	00 52 12.4 +1.1
S58A	Poland Farm, P	60.46 351	P	P	00 51 26.1 +0.2	SSPA	Standing Stone	63.41 352	eP	P	00 51 46.6 +1.1	ANMO	Albuquerque	67.58 327	P	P	00 52 14.1 +1.4
V48A	Smith Brothers	60.48 343	eP	P	00 51 25.4 -0.6	SSPA	Standing Stone	63.41 352	P	P	00 51 46.0 +0.4	TASM	ASL Pad, Albuq	67.58 327	P	P	00 52 13.8 +1.0
V48A	Smith Brothers	60.48 343	P	P	00 51 25.6 -0.4	P50A	Jamestown	63.42 347	P	P	00 51 45.4 -0.2	TASM	ASL Pad, Albuq	67.58 327	P	P	00 52 13.6 +0.8
T54A	Tazewell	60.52 348	P	P	00 51 26.4 +0.1	N59A	State Game Lan	63.45 354	P	P	00 51 46.5 +0.7	H52A	Wyevale	67.62 351	P	P	00 52 12.8 +0.2
X43A	Marvell	60.58 339	P	P	00 51 27.0 +0.2	N57A	Milroy	63.49 352	P	P	00 51 46.8 +0.7	PLVO	Plevna	67.66 353	P	P	00 52 13.2 +0.4
U50A	Jamestown	60.61 345	P	P	00 51 26.2 -0.7	O52A	Adamsville	63.52 349	P	P	00 51 46.2 -0.1	QSPA	South Pole Qui	67.71 180	eP	P	00 52 13.4 +0.2
WLAR	White Oak Lake	60.62 336	eP	P	00 51 27.9 +0.9	O53A	New Philadelph	63.54 349	P	P	00 51 46.5 0.0	QSPA	Albuquerque	67.71 180	eP	P	00 52 13.8 +0.5
T53A	Wise	60.63 347	P	P	00 51 26.9 -0.2	P49A	Miami Univ. Ec	63.55 346	P	P	00 51 45.7 -0.8	BANO	Bancroft	67.74 353	P	P	00 52 13.5 0.0
CLTN	Cedars of Leba	60.68 343	eP	P	00 51 27.2 -0.2	M61A	Granite Spring	63.66 355	P	P	00 51 47.2 0.0	BMRO	Merrille Lake	67.78 350	P	P	00 52 13.5 0.0
V47A	Nunnely	60.76 342	P	P	00 51 27.3 -0.6	O51A	Pataskala	63.70 348	P	P	00 51 47.2 -0.3	I47A	Gladwin	67.81 348	P	P	00 52 13.1 -0.7
S56A	Natural Bridge	60.76 350	P	P	00 51 28.3 +0.4	N55A	Marion Center	63.71 351	eP	P	00 51 47.3 -0.2	I48A	Sherman Twp	67.81 348	P	P	00 52 13.5 -0.3
R58B	Mineral	60.78 351	eP	P	00 51 28.4 +0.4	N55A	Marion Center	63.71 351	eP	P	00 52 17.9 +3.1	G55A	Calabogie	67.84 354	P	P	00 52 14.4 +0.5
R58B	Mineral	60.78 351	P	P	00 51 28.4 +0.4	N56A	West Decatur	63.74 352	P	P	00 51 47.2 -0.5	G53A	Haliburton	67.92 352	P	P	00 52 14.9 +0.4
R59A	King George, V	60.92 352	P	P	00 51 28.9 0.0	ACSO	Alu Creek Sta	63.86 348	P	P	00 51 48.3 -0.2	I46A	Reed City	67.92 347	P	P	00 52 13.5 -1.0
T51A	Gray	60.92 346	P	P	00 51 28.6 -0.4	O47A	Martinsville	63.87 345	P	P	00 51 47.8 -0.8	LMN	Caledonia Moun	68.09 3 eP	P	P	00 52 15.4 -0.1
U49A	Red Boiling Sp	60.93 344	P	P	00 51 28.7 -0.4	O50A	Cable	63.90 347	P	P	00 51 48.2 -0.6	JFWS	Jewell Farm	68.12 343	eP	P	00 52 15.4 -0.4
CBN	Corbin Frederi	60.95 352	P	P	00 51 29.4 +0.2	CCM	Cathedral Cave	63.93 340	eP	P	00 51 48.3 -0.7	JFWS	Jewell Farm	68.12 343	P	P	00 52 15.7 0.0
S55A	Lewisburg	61.01 349	P	P	00 51 30.6 +1.0	CCM	Cathedral Cave	63.93 340	eP	P	00 52 17.6 +1.3	LIC	Lamo	68.21 73	eP	P	00 52 16.8 -0.2
WVT	Waverly	61.13 342	eP	P	00 51 29.5 -0.9	N53A	Lisbon	64.02 350	P	P	00 51 48.7 -0.3	PEMO	Pembroke	68.31 353	P	P	00 52 16.9 0.0
WVT	Waverly	61.13 342	P	P	00 51 29.7 -0.6	M59A	Waymart	64.03 354	P	P	00 51 49.7 +0.2	BUKO	Buck Lake	68.34 352	P	P	00 52 17.4 +0.3
U48A	Cassie Pea, Po	61.13 343	P	P	00 51 30.0 -0.4	N54A	Moraine State	64.03 350	eP	P	00 51 50.4 +0.8	KLBO	Killbear Provi	68.37 351	P	P	00 52 17.4 +0.2
R58A	Rapidan	61.13 351	P	P	00 51 30.6 +0.2	N54A	Moraine State	64.03 350	P	P	00 51 49.8 -0.1	TIC	Toumoudi	68.41 73	eP	P	00 52 18.3 +0.1
S54A	Dingess, Beckl	61.18 348	P	P	00 51 30.6 -0.2	N54A	Moraine State	64.03 350	P	P	00 51 49.8 +0.2	TOBO	Tobermory, Bru	68.44 350	P	P	00 52 17.3 -0.4
T50A	Nancy	61.18 345	P	P	00 51 30.0 -0.8	KSPA	Key Stone Colle	64.08 354	eP	P	00 51 50.6 +0.7	H46A	Fife Lake	68.45 347	P	P	00 52 16.8 -0.9
SNAA	Snaae	61.20 161	P	P	00 51 31.6 +1.0	O49A	Covington	64.09 346	P	P	00 51 49.5 -0.6	KIC	Kosan Boka	68.53 73	eP	P	00 52 18.9 -0.1
SNAA	Snaae	61.20 161	eP	P	00 51 30.4 -0.2	BRVY	Bryant College	64.14 357	eP	P	00 51 50.4 +0.1	DBIC	Dimbokro	68.57 73	P	P	00 52 19.0 -0.1
R57A	Standardsville	61.20 351	P	P	00 51 31.8 +0.9	P45A	Graceland, Par	64.28 343	P	P	00 51 50.9 -0.4	DBIC	Dimbokro	68.57 73	eP	P	00 52 19.0 -0.1
X40A	Basin Creek Fa	61.23 337	P	P	00 51 31.1 -0.1	M56A	Emporium	64.29 352	P	P	00 51 51.8 +0.5	ALGO	Algonquin Park	68.67 353	P	P	00 52 19.4 +0.3
U47A	Clarksville	61.27 343	P	P	00 51 30.8 -0.6	O48A	Farmland	64.34 346	P	P	00 51 51.2 -0.4	I42A	Drager Farm,	68.68 344	P	P	00 52 19.1 -0.1
S52A	Salyersville	61.42 347	P	P	00 51 32.1 -0.2	M55A	Ridgway	64.35 351	P	P	00 51 52.0 +0.3	PQI	Presque Isle	68.84 3 eP	P	P	00 52 20.4 +0.4
T49A	Edmonton	61.43 344	P	P	00 51 32.0 -0.5	MNTX	Cornudas Mount	64.47 325	P	P	00 51 52.0 -0.7	F51A	Armstein	68.89 351	P	P	00 52 20.5 0.0
R55A	Marlington	61.44 350	P	P	00 51 32.6 +0.1	M54A	Oil Creek Stat	64.52 351	P	P	00 51 53.2 +0.4	F49A	Sandfield	69.05 350	P	P	00 52 20.9 -0.5
R56A	Bull Pasture M	61.44 350	P	P	00 5												

2013 JUL

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like D49A Beulah Townshi, D47A Chapleau, E43A Lone Tree Farm, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, WMQ Urumqi, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like FUORN Ofenpass-Fuorn, BRMO Bormio, SCUG Chur Gewerbe, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like FUSIO, DAVA, FETA, OZOL, etc.

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

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

5d 0h

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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. Includes entries like M61A Granite Spring, R47A Woolly Knot Far, N55A Marion Center, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes entries like G47A Hillman, E52A Mattawa, K5U1 Kansas State U, etc.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision. Includes entries like PSUT Pine Spring, DUG Dugway, DUG Dugway, etc.

5d 1h

Table with columns for station name, frequency, power, and other technical details. Includes stations like FNVD, GORR, GROG, SEI, BRIS, RUFJ, CSNT, PCP, FINB, ROTM, CASP.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like CAFI, IMI, CDCA, SAOF, MBDF, FRF, LPG, LMR, LPL, FETA, TRI, ABTA, SKDS, DAVA, ORIF, SQTA, MOTA, WTTA, SMRF, RETA, NVLJ, MYKA, DUGI, KBA, CABF, OBKA, ZIRJ, MORI, UDBI, SOKA, HINF, LASF, MOA, MOA, CDF, ARSA, IMAKA, SMF, PAGF, FAGF.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like LOR, AVF, SSF, MEZF, BGF, ROM 05 01:34:39.6, T0912, EQUI, FIVI, T0911, VLLC, FOSD, CARD, PLMA, GRAM, BDI, POPM, NOVE, ISCJB 05 01:35:17.9, IDC 05 01:35:17.3, NNC 05 01:35:20.3, ISC 05 01:35:18.0, AML, UCH, KZA, EKS2, AAK, AAK, AAK, KBK, KK31, CHMS, TKM2, TKM2, MKAR, KURBB, AB31, AB31, AKTO, ZALV, ARCES, TORD, IDC 05 01:42:26.4, ISCJB 05 01:42:29.3, ISC 05 01:42:29.1, RIZ, GLKZ, OUKZ, WCZ, KUZ, WIAZ, DZM, MKAZ, WMGZ, HAZ, RUGZ, RUGZ, PUZ, TWGZ, TOZ, URZ, URZ, URZ, MWZ, HIZ, ARHZ, TWZ, NGVZ, KWHZ, SHHZ, KAHZ, CTA, STKA.

Table with columns: ID, Name, Time, Status, and other details. Includes entries like SRDR Sredinnyy, RUS Russkaya, MTRV Mutnovka, etc.

Table with columns: HHC, HHC, E04D, NEW, L04D, M02C, M04C, O03E, WHN, MSO, EGMT, FFC, FFC, HLID, BOZ, NVAR, NVAR, GTA, DGZ, VOG, RLMT, VES, PKM, CWC, DAG, DAG, DAG, LAO, R11A, R11A, MPMC, DUG, DUG, DUG, FURC, TPNV, BW06, PDAR, LRMC, EDW2, GSC, BFSC, CD2, GMRC, K22A, SUMG, SUMG, WMQ, WMQ, WMQ, WMQ, WMQ, MDND, KURK, KURK, RSSD, RSSD, RSSD, ULM, ULM, O20A, IRM, MK32, MKAR, MKAR, IKP, N23A, PV11, AGMN, LVZ, LVZ, LVZ, ARCES.

Table with columns: AREO, ISCO, MCVCO, BRVK, TRO, S22A, OGN, 214A, SDCO, SGF, EYMN, TUC, TUC, TUC, ECSD, ARU, ARU, ARU, T25A, PRGR, PRGR, OTUK, OTUK, MSF, STEI, E38A, F37A, TASM, TASM, ANMO, ANMO, ANMO, C40A, F38A, SPMN, F39A, D41A, G39A, F40A, G40A, MOR8, F42A, E43A, I41A, E44A, AAK, AAK, AMTX, MSTX, MNTX, I42A, JFWS, SUF, SUF, D46A, H43A, L40A, F45A, E46A, D47A, G45A, MATO, E47A, SCHO, SCHO, SCHO, G46A, D48A, L42A, KSH, KSH, KSH, KSH, D49A, K43A, KK31, KK31, KK31, K43A, I45A, FINES.

5d 4h

2013 JUL

Table with columns for station name, frequency, power, and other technical details. Includes stations like CRS, KELR, CIT, TRG, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like IENR, TNDR, ZAKAM, MOY, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ULM, NVAR, ASAR, TXAR, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like Makanchi Array, Podgoye, and various international stations.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like Keskin Array B, ARCESS Array B, and various international stations.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like Cskako, Mrkonjic Grad, and various international stations.

NEIC 05:05:03.18:8.0.0.16:54N:94:46W, h106km, MD4.0(MEX), After MEX

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like Matias Romero, Huatulco, and various international stations.

ISCJB 05:05:00:42.5:0.3, 46:17N:0:0:16:52E:0:02, h5km, 2km, Error ellipse: s-maj=2.5km s-min=2.0km az=30.9

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like KALN, KALN, KOGS, and various international stations.

ISCJB 05:05:00:44.9:0.5, 46:16N:16:38E, h8km, 3km, mb2.0/6, m2.5/7, Error ellipse: s-maj=4.3km s-min=2.5km az=104.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like DOBS, Dobrina, and various international stations.

ISCJB 05:05:00:46.2:0.0, 46:15N:0:02:16:48E:0:02, h6km, 5km, n65, e1908/112, Northwest Balkan Peninsula

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like GROS, Grosnik, and various international stations.

ISCJB 05:05:14:29.9:0.5, 17:50S:0:04:167:14E:0:10, h12km, mb4.2/11, MS3.5/3, Error ellipse: s-maj=13.1km

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like MARNC, Mare, Loyalty, and various international stations.

ISCJB 05:05:14:29.1:1.3, 17:44S:167:23E, h0km, mb3.9/6, mb1.4/2.7, ms1mx3.9/38, mbtmp4.0/7, ML4.2.1, MS3.4/5, Ms1.3.4/5, ms1mx3.0/28, Error ellipse: s-maj=43.1km s-min=26.2km az=140.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like DZM, Mont Dzumac, and various international stations.

ISCJB 05:05:14:31.7:1.6, 17:46S:167:19E, h14km, 4km, mb4.4/6, Error ellipse: s-maj=26.6km s-min=5.4km az=88.0

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like CTAO, Charters Tower, and various international stations.

ISCJB 05:05:14:31.0:0.6, 17:49S:0:07:167:3E:0:1, h12km, n34, e092/34, mb4.0/11, MS3.4/3, Vanuatu Islands

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like URZ, Urewera, and various international stations.

5d 6h

Table with columns: CEL, Celeste, 147.54 315 ePKPdf, PKPdf, 05 34 12.1 -0.9, BNI, Bardonecchia, 148.08 334 ePKPbc, PKPbc, 05 34 17.6 +0.8, ASCN, Ascension, 154.69 176 ePKPab, PKPab, 05 34 46.0 -1.6

IDC 05 05:42:00.6:3.1, 10:27Sx120:61E, h0km, mb3.7/2, mb1 4.0/4, mb1mx3.7/31, mbtmp3.8/4, ML3.8/2, MS3.2/1, Ms1 3.2/1, ms1mx2.5/23, Error ellipse: s-maj=201.6km s-min=28.6km az=33.0

DJA 05 05:42:02.5:1.9, 11:51Sx12:17E, h10km, M4.0/7, mb4.8/1, MLV3.7/7

ISCJB 05 05:42:03.7:1.0, 10:55S:01x120:49E:0:09, h40km, 13km, mb3.7/2, Error ellipse: s-maj=22.6km s-min=12.7km az=26.3

ISC 05 05:42:04.6:1.3, 10:35S:01x120:60E:0:1, h30km, 9km, n10, 0:059S, Sumba region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, BASI, Baing, Sumba, 0.13 345 P, Op, ISC, h m s ISC, P, 05 42 10.2 +0.1

TRN 05 05:48:09.2, 10:45N, 61.94W, h7km, MD3.7, Trinidad

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ALNG, Atlantic LRG, 0.37 137 P, Op, ISC, h m s ISC, P, 05 48 16.9 +0.5

BJI 05 05:52:14.6:0.0, 9:29S:66:74E, h5km, mb4.8/38, mb4.8/26, Mb4.5/12, Ms7 4.3/6

ISCJB 05 05:52:19.6:0.3, 8:99S:0:06:67:26E:0:05, h13km, mb4.5/54, MS3.9/28, Error ellipse: s-maj=9.4km s-min=6.8km az=154.4

IDC 05 05:52:19.3:0.6, 8:99S:67:27E, h0km, mb4.4/17, mb1 4.5/17, mb1mx4.2/42, mbtmp4.4/17, MS3.7/23, Ms1 3.7/23, ms1mx3.6/29, Error ellipse: s-maj=20.7km s-min=13.3km az=153.0

NEIC 05 05:52:21.3:2.3, 8:98S:67:24E, h10km, mb4.7/31, Error ellipse: s-maj=22.3km s-min=11.3km az=161.0

GCMT 05 05:52:22.3:0.3, 9:09S:0:02:67:31E:0:02, h20km, 2km, MW4.9/80, Moment Tensor Solution, s9,c10; s80,c107; Duration: 0 Moment tensor: Scale: 10^16Nm, Mo:203.16; Mw:2.02; 11; Mw-0.95; 26; Mw-0.26; 10; Mw:1.10; 28; Best double couple: Mw:2.64200:1016; NP1:317.00000; s87.00000; 1.146.00000; NP2: 0.49.00000; s56.00000; 1.4.00000; Principal axes: T 2.5900, Plg26.0000; Azm268.0000; N 0.1050, Plg56.0000; Azm132.0000; P -2.6930, Plg20.0000; Azm8.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 05 05:52:21.4:0.5, 8:99S:0:10:67:34E:0:07, h13km, n120, r163/103, mb4.6/54, MS3.8/29, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, H08N3, Diego Garcia H, 4.47 54 Pn, Op, ISC, h m s ISC, P, 05 53 22.4 -6.3

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Table with columns: SHL, Shillong, 41.84 34 eP, P, 06 00 12.5 +1.0, PBKT, Sadao Pong, 41.86 53 P, P, 06 00 17.3 +5.8, UTTA, Uttarakhand, 42.22 51 P, P, 06 00 17.0 +2.6

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Table with columns: BJI, Beijing, 66.44 39 eP, P, 06 03 11.2 +0.7, BJI, comp=Z, 4.0nm, 0.7s, Pmax, Pmax, 06 03 11.5 -0.2, ULN, Ulanbaatar, 66.62 28 eP, P, 06 03 19.0 -1.3

GCG 05 07:35:26.2 0.4, 14.96N:92.88W, h9km, MD4.2
 ISCBJ 05 07:35:27.0 0.7, 14.90N:0.06-92.87W, 0.06, h58km, 10km,
 mb4.4/1, Error ellipse: s-maj=13.3km s-min=5.0km
 az=39.7
 NEIC 05 07:35:27.6 0.0, 14.77N:92.91W, h56km, mb4.1/2,
 MD3.9(MEX), After MEX.
 MEX 05 07:35:27.0 0.6, 14.79N:92.90W, h58km, 12km, MD4.0
 SNET 05 07:35:30.0 1.0, 14.93N:92.70W, h35km, 99km, ML3.7
 ISC 05 07:35:27.5 1.2, 14.92N:0.07-92.89W, 0.06, h56km, 11km,
 n27, r176/38, Near coast of Chiapas

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
THIG		0.61	91	ePn	Sn	07	35	39.9	-0.5		
THIG		0.61	91	eS	Sn	07	35	48.7	-1.1		
THIG		0.61	91	ePn	Sn	07	35	39.9	-0.5		
PCIG		0.84	338	ePn	Sn	07	35	43.9	+0.5		
PCIG		0.84	338	eS	Sn	07	35	55.9	+0.9		
PCIG		0.84	338	iP	Sn	07	35	43.9	+0.5		
PCIG		0.84	338	ePn	Sn	07	35	55.9	+0.9		
CGIC	Santiago 3, Comitán	1.29	99	ePn	Sn	07	35	49.8	+0.2		
CGIC		1.54	28	ePn	Sn	07	35	48.6	+1.1		
CGIC		1.54	28	ePn	Sn	07	35	55.2	+2.3		
CGIC		1.54	28	eS	Sn	07	36	11.8	-0.1		
CGIC		1.54	28	ePn	Sn	07	35	53.4	+0.6		
CGIC		1.86	353	ePn	Sn	07	36	12.5	+0.6		
CGIC		1.86	353	ePn	Sn	07	35	54.5	+1.7		
CGIC		1.86	353	ePn	Sn	07	35	57.9	+0.7		
CGIC		1.86	353	eS	Sn	07	36	21.2	+1.6		
FUG	Fuego 3, Pacaya	2.04	103	ePn	Sn	07	36	00.6	+1.0		
PCG		2.27	103	ePn	Sn	07	36	04.6	+1.6		
PCG		2.27	103	eS	Sn	07	36	33.0	+3.1		
CMIG	Matias Romero	2.89	319	ePn	Sn	07	36	11.6	+0.5		
CMIG		2.89	319	ePn	Sn	07	36	11.6	+0.5		
MRL	Marmol	3.10	87	ePn	Sn	07	36	14.7	+0.4		
HUIG	Huatuco	3.22	286	ePn	Sn	07	36	14.5	-1.1		
HUIG		3.22	286	ePn	Sn	07	36	14.5	-1.1		
RTR	Retro	3.34	107	ePn	Sn	07	37	04.3	+0.4		
SBL	San Blas	3.34	108	ePn	Sn	07	36	18.4	+0.8		
CEVE	Cerro Verde	3.35	108	ePn	Sn	07	36	19.1	+1.4		
CEVE		3.35	108	eS	Sn	07	36	56.0	-0.3		
CEVE				IAML				07	37	08.3	
CSGN	Comp=Z.237nm,0.4s	5.53	110	ePn	Pn	07	36	49.4	+2.0		
CSGN				eS	Sn	07	37	48.9	-0.8		
LVIG	Laguna Verde	5.84	325	ePn	Pn	07	36	56.1	+4.4		
TLIG	Tipapa	6.05	297	ePn	Pn	07	36	59.0	+4.4		
COPN	Copalpe	6.07	113	ePn	Pn	07	37	04.0	+0.6		
TEIG	Tepeich	6.87	139	ePn	Pn	07	37	09.3	+1.4		
JTS	Las Juntas de	9.01	120	ePn	Pn	07	37	39.0	+3.9		
Z41A	Riachand Creek	18.26	0	eP	P	07	39	33.3	-3.2		
P17A	Butcher Ranch, comp=Z.9.7nm,1.2s	29.05	331	eP	P	07	41	21.9	-0.8		

GUC 05 07:53:57.9 0.6, 37.32S:74.75W, h27km, 4km, ML4.1, Off coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
CCSP	San Pedro de C	1.40	71	ePn	Sn	07	58	57.5	+1.9		
CCSP				eS	Sn	07	59	05.6	+1.2		
CCSP				IAML				07	54	49.9	
CCHI	comp=E.4,4m,0.3s	2.26	72	ePn	Pn	07	54	34.2	+0.8		
CCHI				eS	Sn	07	55	01.6	+1.2		
CCHI				IAML				07	55	17.4	

IDC 05 07:58:18.9 6.8, 37.98S:73.71W, h33km, 48km, mb3.3/3, mb1.3/8.5, mb1mx3.5/20, mbtmp3.6/5, ML3.6/2, MS3.4/1, Ms1.3/3.1, ms1mx2.8/19, Error ellipse: s-maj=58.4km s-min=24.0km az=7.0
 GUC 05 07:58:18.9 6.8, 37.98S:73.71W, h49km, 418km, ML3.6
 ISC 05 07:58:17.6 1.5, 37.98S:0.1-73.70W, 0.2, h22km, n13, r146/7, mb3.5/4, Near coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
CCSP	San Pedro de C	1.15	22	ePn	Pb	07	58	57.5	+1.9		
CCSP				eS	Sn	07	59	05.6	+1.2		
GO05	Huala	3.01	126	IAML				08	00	15.7	
PLCA	comp=E.252nm,0.3s	3.70	141	Pn	Pn	07	59	14.1	+0.5		
PLCA				Pn	Pn	08	00	16.5			
PLCA	comp=E.0.7nm,0.3s,baz=332,slow=9.5,SNR=5.5			Lg				08	00	16.5	
PLCA	comp=E.7.5nm,0.3s,baz=64,slow=20,SNR=7.8			Lg				08	00	16.5	
CPA	Coronel Fontan	7.71	37	Pn	Pn	08	00	07.9	-0.7		
LFAZ	La Paz	22.09	14	P	P	08	03	14.6	+2.6		
SIV	San Ignacio	24.50	30	P	P	08	03	35.6	+0.2		
SIV	comp=1.9nm,0.7s,baz=194,slow=5.5,SNR=7.2			P	P	08	03	35.6	+0.2		
SIV	comp=0.6nm,0.6s,baz=199,slow=14,SNR=3.5			P	P	08	03	35.6	+0.2		
BDFB	Brasilia	31.68	53	LR	LR	08	19	52.9			
BDFB	comp=E.60nm,18.6s,baz=141,slow=61			LR	LR	08	19	52.9			
TXAR	Lajas Array	72.56	333	P	P	08	09	42.5	-0.5		
TXAR	comp=0.3nm,0.7s,baz=156,slow=8.9,SNR=4.4			P	P	08	09	42.5	-0.5		
TORD	Torodi Ar, Bea	86.75	71	P	P	08	10	59.7	-0.5		
TORD	comp=E.9.7nm,0.5s,baz=220,slow=5.3,SNR=4.0			P	P	08	10	59.7	-0.5		
H1S2	WAKE ISLAND Hy24.35 267		T	T	T	10	33	29.7			
H1S1	WAKE ISLAND Hy24.36 267		T	T	T	10	33	29.2			
H1S3	WAKE ISLAND Hy24.35 267		T	T	T	10	33	30.7			
BVAR	Borovoye Array 150.77 47 PKPbc		PKPbc	PKPbc	PKPbc	08	18	07.5	-0.5		
BVAR	comp=0.6nm,0.7s,baz=270,slow=1.5,SNR=3.8			PKPbc	PKPbc	08	18	07.5	-0.5		

IDC 05 08:00:10.4 4.0, 52.32N:35.29E, h0km, mb1.3/3/3, mb1mx3.0/35, mbtmp2.3/23, ML2.9/3, Error ellipse: s-maj=51.3km s-min=16.7km az=126.0

VLA 05 08:00:08.0, 52.32N:35.43E, M2.4, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Baltic States-Belarus-Northwestern Russia

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
OBN	Obninsk	2.90	13	Lg	Lg	08	01	35.0			
AKASG	Malin Array Be	4.20	250	Pn	Pn	08	01	13.4	+0.3		
AKASG				Pn	Pn	08	02	02.2	-0.6		
AKASG				Lg	Lg	08	02	18.8			
AKASG				Lg	Lg	08	02	18.8			
FINES	FINESS Array B	10.48	335	Pn	Pn	08	02	36.7	-2.7		
FINES	comp=0.1nm,0.3s,baz=148,slow=16,SNR=3.3			Pn	Pn	08	02	36.7	-2.7		
INDE	FREYUNG INFRA14.21 265 I		P	P	P	09	20	00.0			
INDE	comp=0.3nm,0.3s,baz=116,SNR=3.4			P	P	09	20	00.0			
ARCES	ARCES Array B	17.91	349	P	Pn	08	04	18.3	+0.2		
ARCES	comp=0.1nm,0.3s,baz=158,slow=9.7,SNR=6.8			P	Pn	08	04	18.3	+0.2		

KRAR 05 08:13:43.6 0.2, 53.97N:91.05E, M2.3, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 05 08:13:50.3 3.6, 53.67N:87.97E, h0km, mb1.3/4/2, mb1mx3.1/35, mbtmp3.4/2, ML2.7/2, Error ellipse: s-maj=36.6km s-min=18.5km az=48.0, Southwestern Siberia

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
H46RU	ZALESOVO INFRA	1.89	280	I	Pn	08	14	24.1	+0.3		
H46RU	comp=0.2nm,0.3s,baz=101,slow=14,SNR=1.7			I	Pn	08	14	24.1	+0.3		
ZALV	Zalesovo Beam	1.89	280	Pn	Pn	08	14	24.1	+0.3		
ZALV	comp=0.2nm,0.3s,baz=101,slow=14,SNR=1.7			Pn	Pn	08	14	24.1	+0.3		
ZALV	comp=3.5nm,0.3s,baz=99,slow=24,SNR=10			Pn	Pn	08	14	24.1	+0.3		
KURBB	Kurchatov Arra	6.56	246	Pn	Pn	08	15	28.8	+0.9		
KURBB	comp=0.1nm,0.3s,baz=61,slow=14,SNR=3.7			Pn	Pn	08	15	28.8	+0.9		
MKAR	R Makanchi Array	7.78	210	Pn	Pn	08	15	45.6	+0.9		
MKAR	comp=0.2nm,0.3s,baz=27,slow=13,SNR=8.2			Pn	Pn	08	15	45.6	+0.9		

WEL 05 08:21:35.9 41 S, 9.173 E, h5km, M3.5/30, ML3.7/24, ML3.5/30, Error ellipse: s-maj=0.0km s-min=0.0km az=179.3, Off west coast of South Island

Code	Station Name	Δ° AZ°	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
QRZ	Quartz Range	0.32	180	P	S	08	21	42.9	+0.9		
NRZ	Nelson	0.96	138	P	S	08	21	46.8	+0.6		
NNZ	Nelson	0.96	138	P	S	08	21	46.8	+0.6		
NNZ	Nelson	0.96	138	P	S	08	21	46.8	+0.6		
DUWZ	D'Urville Isla	1.10	106	P	S	08	21	56.4	-0.6		
DUWZ				P	S	08	22	11.4	+0.1		
THWZ	Tophouse	1.28	167	P	S	08	21	59.8	-1.0		
THWZ				P	S	08	22	17.0	+0.1		
DSZ	Denniston Nort	1.35	204	P	S	08	22	01.2	-0.3		
DSZ				P	S	08	22	19.3	0.0		
TUWZ	Tuaranira	1.41	131	P	Pn	08	22				

T55A	Pulaski	149.80	14	P	PKPbc	10 00 00.1	-0.2
V50A	Pikeville	149.83	22	P	PKPbc	10 00 00.0	-0.3
S59A	Mechanicsville	149.84	8	P	PKPbc	10 00 00.5	+0.3
S58A	Poland Farm, P	149.87	10	P	PKPbc	10 00 00.2	-0.1
W49A	Belvidere	149.88	24	P	PKPbc	10 00 00.1	-0.3
SWET	Sewanee	149.92	23	ePKPbc	PKPbc	10 00 00.1	-0.5
SWET	SWET	149.92	23	ePKPbc	PKPbc	10 00 06.2	-0.1
V51A	Loudon	149.98	20	P	PKPbc	10 00 00.7	0.0
U53A	Fall Branch	150.03	17	P	PKPbc	10 00 00.5	-0.4
T56A	Rocky Mt	150.06	13	P	PKPbc	10 00 00.6	-0.2
U54A	Nelsons Funny	150.10	16	P	PKPbc	10 00 00.7	-0.4
S61A	Accomac	150.12	6	P	PKPbc	10 00 01.0	0.0
X48A	Hartselle	150.13	25	P	PKPbc	10 00 00.5	-0.6
W50A	Signal Mountai	150.17	22	ePKPbc	PKPbc	10 00 01.4	+0.1
W50A	Signal Mountai	150.17	22	ePKPbc	PKPbc	10 00 06.7	-0.6
V52A	Sevierville	150.20	19	P	PKPbc	10 00 01.4	+0.2
T57A	Hurt	150.25	12	P	PKPbc	10 00 01.0	-0.3
U55A	TA2, Sparta	150.32	15	P	PKPbc	10 00 01.4	-0.1
X49A	Woodville	150.38	24	P	PKPbc	10 00 01.4	-0.3
W51A	Cleveland	150.41	21	P	PKPbc	10 00 01.7	0.0
W51A	Grand View Acr	150.44	11	P	PKPbc	10 00 02.0	+0.3
T60A	Surry	150.53	8	P	PKPbc	10 00 02.0	+0.1
Y48A	Jasper	150.54	26	P	PKPbc	10 00 01.4	-0.7
T59A	Double "B" Far	150.58	9	P	PKPbc	10 00 02.4	+0.4
V53A	Saluda	150.60	18	ePKPbc	PKPbc	10 00 02.4	+0.2
V53A	Saluda	150.60	18	P	PKPbc	10 00 02.4	+0.2
U56A	King	150.63	14	P	PKPbc	10 00 01.9	-0.9
X50B	Fort Payne	150.70	23	P	PKPbc	10 00 01.9	-0.6
V54A	Nebo	150.76	17	P	PKPbc	10 00 02.5	-0.1
W52A	Murphy	150.77	20	ePKPbc	PKPbc	10 00 03.0	+0.4
W52A	Murphy	150.77	20	P	PKPbc	10 00 07.9	-1.8
W52A	Murphy	150.77	20	P	PKPbc	10 00 02.8	+0.1
U57A	Blanch	150.78	12	P	PKPbc	10 00 02.5	0.0
V55A	Taylorsville	150.89	15	P	PKPbc	10 00 02.5	-0.3
X51A	Calhoun	150.91	22	P	PKPbc	10 00 02.6	-0.3
Y49A	Blount Mountai	150.91	25	P	PKPbc	10 00 02.8	-0.2
W53A	Cullowhee	150.95	19	P	PKPbc	10 00 03.4	+0.2
U58A	Oxford	150.97	11	P	PKPbc	10 00 03.1	+0.1
147A	Livingston	151.06	29	P	PKPbc	10 00 03.5	+0.2
V56A	Mocksville	151.11	14	ePKPbc	PKPbc	10 00 03.5	+0.1
V56A	Mocksville	151.11	14	P	PKPbc	10 00 12.0	+0.9
V56A	Mocksville	151.11	14	P	PKPbc	10 00 03.4	+0.1
U60A	Pendleton	151.13	9	P	PKPbc	10 00 03.6	+0.2
U59A	Littleton	151.15	10	P	PKPbc	10 00 03.3	-0.1
Y50A	Piedmont	151.16	24	P	PKPbc	10 00 03.3	-0.3
V57A	Coltrane Farms	151.21	13	P	PKPbc	10 00 03.4	-0.2
X52A	Dahlgren	151.22	21	P	PKPbc	10 00 03.9	+0.2
W54A	Cherokee Point	151.33	18	P	PKPbc	10 00 03.8	-0.1
LRAL	Lakeview Retre	151.36	27	P	PKPbc	10 00 03.9	-0.1
U61A	Possum Corner	151.37	7	P	PKPbc	10 00 04.2	+0.3
148A	Greensboro	151.42	28	P	PKPbc	10 00 04.3	+0.1
Y51A	Rockmart	151.42	23	P	PKPbc	10 00 03.8	-0.4
Z49A	Columbiana	151.43	26	P	PKPbc	10 00 04.1	-0.1
V58A	Windy Hill, Pi	151.44	12	P	PKPbc	10 00 03.9	-0.2
X53A	Estanollee	151.52	20	P	PKPbc	10 00 04.6	+0.3
KM5C	Kings Mountain	151.53	16	P	PKPbc	10 00 04.3	-0.1
Z50A	Ashland	151.64	25	P	PKPbc	10 00 04.5	-0.2
V59A	Middlesex	151.64	11	P	PKPbc	10 00 04.6	+0.1
PAULI	Pauline	151.69	17	ePKPbc	PKPbc	10 00 04.7	0.0
PAULI	PAULI	151.69	17	ePKPbc	PKPbc	10 00 10.5	-3.0
W56A	Indian Trail	151.73	15	P	PKPbc	10 00 04.6	-0.2
X54A	Belton	151.78	18	P	PKPbc	10 00 05.2	+0.2
V60A	Jim Taylor Roa	151.81	9	ePKPbc	PKPbc	10 00 05.5	+0.2
V60A	Jim Taylor Roa	151.81	9	P	PKPbc	10 00 11.7	-2.3
V60A	Jim Taylor Roa	151.81	9	P	PKPbc	10 00 05.0	+0.1
149A	Jones	151.82	27	P	PKPbc	10 00 05.2	+0.2
Y52A	Lilburn	151.83	22	ePKPbc	PKPbc	10 00 05.8	+0.4
Y52A	Lilburn	151.83	22	P	PKPbc	10 00 11.8	-2.3
Y52A	Lilburn	151.83	22	P	PKPbc	10 00 05.6	+0.1
W57A	Gilead	151.86	14	P	PKPbc	10 00 05.1	0.0
V61A	Roper	151.88	8	P	PKPbc	10 00 05.0	0.0
Y53A	Monroe	152.01	21	P	PKPbc	10 00 05.7	+0.2
X55A	Gracelyn & Ava	152.07	17	P	PKPbc	10 00 05.7	+0.1
150A	Coliect	152.15	26	P	PKPbc	10 00 05.9	+0.1
W58A	Raeoford	152.16	13	P	PKPbc	10 00 05.9	+0.1
249A	Camden	152.19	28	P	PKPbc	10 00 06.3	+0.1
X56A	White Oak	152.22	16	P	PKPbc	10 00 05.9	0.0
Z52A	Williamson	152.30	23	P	PKPbc	10 00 06.5	0.0
Y54A	Tignall	152.31	19	P	PKPbc	10 00 06.4	-0.1
J5C	Jenkinsville	152.35	17	ePKPbc	PKPbc	10 00 06.6	+0.1
J5C	Jenkinsville	152.35	17	ePKPbc	PKPbc	10 00 13.3	-3.0
J5C	Jenkinsville	152.35	17	ePKPbc	PKPbc	10 00 06.6	+0.1
W60A	Pink Hill	152.43	10	P	PKPbc	10 00 06.2	-0.1
G0GA	Groffrey	152.45	21	P	PKPbc	10 00 06.2	-0.1
X57A	Johnson Farm,	152.49	15	P	PKPbc	10 00 06.5	-0.1
Y55A	Saluda	152.50	18	P	PKPbc	10 00 06.7	+0.1
151A	Opelika	152.51	25	P	PKPbc	10 00 06.7	0.0
Z53A	Monticello	152.53	21	P	PKPbc	10 00 07.2	+0.3
250A	Grady	152.58	27	P	PKPbc	10 00 07.0	0.0
152A	Waverly Hall	152.64	24	P	PKPbc	10 00 07.1	0.0
X59A	McDuffie Farm,	152.73	12	P	PKPbc	10 00 06.9	-0.1

Y56A	Pelion	152.80	17	P	PKPbc	10 00 06.8	-0.5
Z54A	Sparta	152.83	20	P	PKPbc	10 00 07.5	+0.1
Y57A	Sumter	152.84	15	P	PKPbc	10 00 07.5	+0.2
X60A	Albert Glenn T	152.84	11	P	PKPbc	10 00 07.5	0.0
Z51A	Midway	152.85	26	P	PKPbc	10 00 07.9	+0.3
BRAL	Brewton	152.89	29	P	PKPbc	10 00 08.2	+0.5
350A	Dozier	153.01	28	P	PKPbc	10 00 08.3	+0.4
Z55A	Blythe	153.07	19	P	PKPbc	10 00 08.2	+0.2
Z56A	Williston	153.22	18	P	PKPbc	10 00 08.5	+0.2
Y59A	Lotis	153.23	13	P	PKPbc	10 00 08.7	+0.4
253A	Americus	153.41	23	P	PKPbc	10 00 08.7	+0.1
Z57A	Bowman	153.44	16	P	PKPbc	10 00 08.8	0.0
352A	Blakely	153.59	25	P	PKPbc	10 00 08.2	-0.8

ISK 05 09:40:41.9, 37:24N-28:18E, h4km, ML1.9/5, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
YER	Yerkesik	0.13 142	PG	09 40:45.2 +0.6	ISC
YER	Yerkesik	0.13 142	SG	09 40:47.8 +1.5	ISC
TURN	Turunc	0.50 137	PG	09 40:51.7 +0.2	ISC
TURN	Turunc	0.50 137	SG	09 40:58.9 +0.2	ISC
DALY	Dalyan (Mula)	0.57 138	Pb	09 40:53.6 -0.8	ISC
DAT	Data	0.70 224	PG	09 40:56.0 +0.6	ISC
BODT	Bodrum	0.72 256	PG	09 40:55.4 -0.6	ISC

DDA 05 09:41:11.9, 38:75N-27:06E, h7km, 2km, ML2.4, Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ZEDA	zmir-Bergama	0.22 3	i P	09 41:17.0 +0.7	ISC
ZEDA	zmir-Bergama	0.22 3	i S	09 41:20.4 +1.1	ISC
URLA	Izmir	0.53 224	i P	09 41:23.1 -0.5	ISC
URLA	Izmir	0.53 224	i S	09 41:30.4 -1.0	ISC
AKHS	Akhisar	0.60 77	P	09 41:24.0 +0.5	ISC
AKHS	Akhisar	0.60 77	P	09 41:24.0 +0.5	ISC
DGB	zmir	0.71 191	i P	09 41:26.3 -0.2	ISC
DGB	zmir	0.71 191	i P	09 41:26.3 -0.2	ISC
STEP	BALIKESIR_Sava	0.81 39	i P	09 41:28.1 -0.2	ISC
STEP	BALIKESIR_Sava	0.81 39	i P	09 41:28.1 -0.2	ISC
BAYC	CANAKKALE_Bayr	1.07 338	i P	09 41:33.2 -0.2	ISC
BAYC	CANAKKALE_Bayr	1.07 338	i P	09 41:33.2 -0.2	ISC

ISCJB 05 09:51:44.9, 0.2, 62:24N-0:01x145:72W, 0:04, h10km, mb3.3/2, Error ellipse: s-maj=2.4km s-min=-1.9km az=178.3

AEIC 05 09:51:47.3, 0.2, 62:24N-145:77W, h12km, ML3.4, MW3.6(NEIC)

NEIC 05 09:51:47.3, 0.2, 62:24N-145:77W, h12km, MW3.6, ML3.4(AEIC), Moment Tensor Solution. s39 Moment tensor: Scale 10^14Nm; Mr0.53; Mw-1.44; Mo0.90; Mo-2.33; Mo0.27; Mo-2.49; Best double couple: Mo-3.60000x10^14 NP1:0.34400000, 0.83.000000, 1.316.000000. NP2:0.80.000000, 0.86.000000, 1.9.000000. Principal axes: T 3.7100, P1g35.0000, Azm292.0000; N -0.2200, P1g45.0000, Azm157.0000; P -3.4900, P1g24.0000, Azm40.0000; After AEIC.

NEIC Felt at Glennallen.

ANF 05 09:51:47.4, 3.2, 62:24N-145:73W, h20km, ML3.9/3 Error ellipse: s-maj=38.5km s-min=21.9km az=54.0

IDC 05 09:51:49.2, 3.5, 62:24N-145:88W, h12km, 23km, mb3.5/2, mb1 3.8/3, mb1mx3.4/29, mbtmp3.3/3, ML2.5/1, Error ellipse: s-maj=30.0km s-min=18.6km az=52.0

ISC 05 09:51:46.1, 0.6, 62:24N-0:02-145:83W, 0:02, h10km, n77, P1g24.0000, Central Alaska

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
PAX	Paxson	0.75 13	Op	09 51:58.4 -1.1	ISC
PAX	Paxson	0.75 13	eSg	09 52:09.1 -1.3	ISC
PS12	TAPS Pump St12	0.84 157	eP	09 52:10.1 -1.2	ISC
PS12	TAPS Pump St12	0.84 157	eSg	09 52:12.1 -1.0	ISC
DH1Y	Denali Highway	1.10 320	eP	09 52:06.0 -1.2	ISC
DH1Y	Denali Highway	1.10 320	eSg	09 52:20.6 -0.8	ISC
PS10	TAPS Pump St10	1.18 1	eP	09 52:17.9 -1.3	ISC
PS10	TAPS Pump St10	1.18 1	eSb	09 52:22.6 -1.5	ISC
VMT	TAPS Ti Valdez	1.19 193	eP	09 52:06.3 -2.4	ISC
MENT	Mentasta	1.20 54	eP	09 52:06.3 -2.6	ISC
MENT	Mentasta	1.20 54	eSg	09 52:21.7 -2.8	ISC
JPK	Jack Peak	1.25 197	eP	09 52:07.0 -2.0	ISC
SML	Sawmill	1.26 251	eP	09 52:08.3 -1.4	ISC
SML	Sawmill	1.26 251	eSb	09 52:25.8 -0.3	ISC
GLI	Glacier Island	1.50 204	eP	09 52:11.3 -1.7	ISC
GLI	Glacier Island	1.50 204	eSg	09 52:35.5 +1.4	ISC
KNK	Knik Glacier	1.50 237	eP	09 52:12.5 -0.6	ISC
KNK	Knik Glacier	1.50 237	eSb	09 52:14.1 -1.1	ISC
RIDG	Independent Ri	1.57 16	eP	09 52:13.7 -1.5	ISC
DOT	Dot Lake	1.63 29	eP	09 52:14.1 -0.8	ISC
DOT	Dot Lake	1.63 29	eSb	09 52:35.9 -0.9	ISC
PMR	Palmer	1.69 249	eP	09 52:14.6 -1.1	ISC
PMR	Palmer	1.69 249	eSg	09 52:41.5 +1.0	ISC
EYAK	Cordova Ski Ar	1.70 179	eP	09 52:14.7 -1.1	ISC
EYAK	Cordova Ski Ar	1.70 179	eSb	09 52:37.9 -0.9	ISC
SGAM	Sherman Glacie	1.77 170	eP	09 52:15.5 -1.3	ISC
RND	Reindeer	1.81 311	eP	09 52:18.0 -1.4	ISC
RND	Reindeer	1.81 311	eSb	09 52:42.0 -0.1	ISC
HUR	Hurricane	1.91 294	eP	09 52:18.7 +0.1	ISC
SCRK	Sand Creek	1.93 25	eP	09 52:17.9 -1.0	ISC
SCRK	Sand Creek	1.93 25	eSb	09 52:44.5 -1.1	ISC

5d 10h

Table with columns: GUY2C, RREF, CODC, SDV, SDV, SDV, ARGC, PRAC, ORTC, CVALL, PLMC, GUVV, YOTC, SMRC, MACC, BETC, MARP, URIC, MALC, PCON, POPC, SOTA, BCIP, PCRV, PCJ, LGNH, HOJ, MCJ, MTDJ, BBJ, SDDR, JTS, ESPN, GRGR, MPR, ACON, AOPR, GTBY, GUYB, HUMP, SVB, CBYP, MTP, CUPR, STVI, FDF, CBYC, FSCY, PTGA, PTGA, TGHU, PAYG, APG, TEIG, 061Z, MDP, CCIG, LPAZ, LPAZ, 658A, 656A, SIV, NMNC, G001, PB11, TLIG, 257A, 251A, 254A, 250A, 250A, 152A, 152A, PB01, 151A, 253A, GOGA, GOGA, Y55A, X58A, Z52A, JSC, X56A, BIRD, X55A, 149A, V62A, Y52A

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Table with columns: Y52A, Z50A, Z50A, X54A, PAULI, V61A, Z49A, LRAL, LRAL, X53A, Y51A, V59A, W54A, 147A, 147A, Y50A, X52A, LVC, Y49A, V56A, X51A, U58A, W52A, V54A, U57A, Y48A, VBMS, VBMS, V53A, X49A, W51A, T59A, X48A, T58A, W50A, W50A, T57A, T57A, U54A, U54A, V51A, U53A, W49A, T56A, X47A, V50A, S61A, U52A, W48A, T55A, BLA, LNIG, U51A, T54A, X46A, TZTN, V49A, T53A, PLAL, S57A, S57A, S56A, W47A, U50A, V48A, T52A, T52A, S55A, CLTN, T51A, S54A, V47A, S53A, T50A, ETX03, R56A

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Table with columns: R55A, NATX, NATX, V46A, U48A, R54A, S52A, CCAR, S51A, S51A, WVT, WVT, T49A, T49A, U47A, Q58A, R53A, S50A, Q57A, T48A, ZAI, WLAR, Q56A, T47A, T47A, Q55A, S49A, Q54A, Q54A, Q53A, 833A, HBAR, S48A, GNAR, R50A, P56A, T46A, X40A, X40A, Q52A, S47A, 435B, 435B, R49A, R49A, T45A, W41B, W41B, P54A, Q58A, P53A, Q51A, Q51A, PARMO, BDFB, BDFB, BDFB, O60A, MIAR, MIAR, S46A, WCI, WCI, O57A, R48A, R47A, O56A, P52A, LUPA, O55A, USIN, P51A, P51A, PBMO, Q49A, FCAR, CPNY, R46A, SSPA, Q48A, N60A

N57A	Milroy baz=172	34.02 354	P	P	10 44 20.5 +1.4	TX31 MEDO Medina comp=Z,7.9nm,0.8s	36.50 353	eP eP	P P	10 45 14.6 +0.7 10 44 39.9 -0.4	ALGO Algonquin Park baz=172,SNR=6.3	39.22 355	P	P	10 45 04.0 +0.9
N59A	State Game Lan comp=Z,5.3nm,0.8s	34.03 356	eP	P	10 44 21.1 +1.9	MEDO Medina baz=171	36.50 353	eP eP	P P	10 45 13.8 -0.4 10 45 28.3 -3.5	SCIA State Center comp=Z,2.2nm,0.6s	39.24 336	eP	P	10 45 02.3 -1.1
N59A	State Game Lan baz=175	34.03 356	P	P	10 44 21.1 +1.9	MEDO Medina baz=171	36.50 353	eP	P	10 44 41.8 +1.5	SCIA State Center baz=147	39.24 336	P	P	10 45 03.6 +0.3
P50A	Jamestown baz=161,SNR=5.9	34.03 345	P	P	10 44 20.7 +1.4	WMOK Wichita Mounta comp=Z,5.3nm,0.6s	36.50 323	eP	P	10 44 40.0 -0.5	H45A Beulah baz=159	39.31 345	P	P	10 45 04.9 +1.0
PAL	Palisades comp=Z,1.1nm,0.6s	34.04 359	eP	P	10 44 21.2 +1.9	WMOK Wichita Mounta baz=134,SNR=5.5	36.50 323	eP	P	10 45 13.1 -0.7 10 45 30.7 -0.8	G47A Hillman baz=163	39.33 348	P	P	10 45 05.0 +0.9
PAL	Palisades baz=178	34.04 359	P	P	10 44 20.4 +1.1	WMOK Wichita Mounta comp=Z,5.7nm,0.6s	36.53 354	eP	P	10 44 40.0 -0.5	F51A Arnstein baz=169	39.40 352	P	P	10 45 05.4 +0.8
W39A	Magazine comp=Z,1.1nm,0.8s	34.06 329	eP	P	10 44 20.2 +0.6	J55A Hilton comp=Z,5.7nm,0.6s	36.53 354	eP	P	10 44 40.9 +0.4	I42A Draeger Farm comp=Z,1.3nm,0.5s	39.44 342	eP	P	10 45 05.2 +0.3
W39A	Magazine baz=141,SNR=7.6	34.06 329	P	P	10 44 20.3 +0.8	J55A Hilton baz=172	36.53 354	eP	P	10 45 13.5 -1.0 10 44 41.7 +1.1	I42A Draeger Farm baz=155,SNR=7.9	39.44 342	P	P	10 45 05.3 +0.3
S44A	Carbondale baz=150	34.06 337	P	P	10 44 20.6 +1.0	AAM Ann Arbor comp=Z,2.1nm,0.4s	36.55 347	eP	P	10 44 43.3 +2.5	LMN Caledonia Moun comp=Z,4nm,0.8s	39.53 9	eP	P	10 45 06.3 +0.6
O52A	Adamsville comp=Z,8.5nm,0.7s	34.06 348	eP	P	10 44 20.9 +1.4	HDIL Hopedale comp=Z,1.8nm,0.6s	36.59 339	eP	P	10 44 41.2 +0.1	F49A Sandfield baz=166,SNR=6.3	39.56 350	P	P	10 45 06.6 +0.7
O52A	Adamsville baz=164	34.06 348	P	P	10 44 21.0 +1.4	HDIL Hopedale baz=152,SNR=5.9	36.59 339	eP	P	10 44 40.9 -0.2	E53A Dumoine, Ponti baz=173	39.60 355	P	P	10 45 07.2 +0.9
O53A	New Philadelph baz=165	34.07 349	P	P	10 44 21.0 +1.5	L47A Sherwood baz=159,SNR=5.4	36.62 345	P	P	10 44 40.9 -0.2	E52A Mattawa baz=171	39.61 354	P	P	10 45 07.1 +0.8
Q47A	Bedord North L baz=156,SNR=8.6	34.17 341	P	P	10 44 21.7 +1.3	K50A Casco comp=Z,2.2nm,0.9s	36.78 348	eP	P	10 44 42.0 +0.6	G45A Suttons Bay baz=160	39.61 346	P	P	10 45 07.1 +0.8
N55A	Marion Center baz=169	34.22 352	P	P	10 44 22.5 +1.6	K50A Casco baz=164	36.78 348	eP	P	10 44 44.1 +1.4	E54A Lac Duplat, Po baz=173	39.62 356	P	P	10 45 07.1 +0.8
R45A	Skylar, Fairir baz=152,SNR=12	34.22 338	P	P	10 44 21.9 +1.0	J52A Paris baz=168	36.85 351	P	P	10 44 43.6 +0.9	H43A Windswept, Lux comp=Z,1.1nm,0.7s	39.63 343	eP	P	10 45 07.3 +0.8
O51A	Pataskalia baz=163	34.26 347	P	P	10 44 23.1 +1.9	HPIG comp=Z,5.6nm,0.5s	36.86 307	eP	P	10 44 44.2 +0.3	H43A Windswept, Lux baz=157	39.63 343	eP	P	10 45 06.9 +0.4
N56A	West Decatur baz=171	34.26 353	P	P	10 44 23.1 +1.8	N43A Stutzman Famil baz=153	36.88 340	P	P	10 44 44.2 +0.7	G46A Petoskey baz=161	39.69 347	P	P	10 45 07.6 +0.7
P40A	Milroy baz=158	34.34 343	P	P	10 44 22.8 +0.9	L46A Eue Claire comp=Z,1.8nm,0.4s	36.95 344	eP	P	10 44 45.1 +0.9	F48A Evansville baz=165	39.72 350	P	P	10 45 08.0 +0.7
BLO	Bloomington comp=Z,1.1nm,0.6s	34.41 341	eP	P	10 44 24.1 +1.6	L46A Eue Claire baz=158	36.95 344	eP	P	10 44 45.0 +0.9	I41A Arkdale comp=Z,1.5nm,0.6s	39.70 341	eP	P	10 45 08.7 0.0
ACSO	Alum Creek Sta comp=Z,5.7nm,0.7s	34.43 347	eP	P	10 44 23.2 +0.6	NCB Newcomb comp=Z,5.5nm,1.3s	37.01 359	eP	P	10 44 47.2 +2.6	I41A Arkdale baz=153	39.90 341	P	P	10 45 09.4 +0.7
ACSO	Alum Creek Sta baz=162	34.43 347	P	P	10 44 23.7 +1.0	PECO Prince Edward comp=Z,3.3nm,0.8s	37.12 355	eP	P	10 44 46.0 +0.5	CBKS Cedar Bluff baz=136	39.92 327	P	P	10 45 08.8 -0.2
O50A	Cable baz=161,SNR=5.7	34.50 346	P	P	10 44 24.5 +1.2	PECO Prince Edward baz=173	37.12 355	eP	P	10 44 46.9 +1.4	E51A G1948 Merrick baz=170	39.94 353	P	P	10 45 10.5 +1.4
U45A	Yellville baz=144,SNR=28	34.51 331	P	P	10 44 24.2 +0.7	ACTO Acton baz=168	37.15 352	P	P	10 44 47.3 +1.5	E50A Wahnapitae baz=168	40.00 352	P	P	10 45 10.4 +0.9
N50A	Lisbon baz=166	34.54 350	P	P	10 44 25.0 +1.3	K47A Vermontville baz=160	37.22 345	P	P	10 44 47.1 +0.7	F45A CMU Biological baz=163	40.18 346	P	P	10 45 11.9 +0.9
N54A	Moraine State comp=Z,5.8nm,0.9s	34.55 351	eP	P	10 44 24.9 +1.2	DRWO Darlington Wes baz=172	37.23 353	P	P	10 44 47.7 +1.2	D52A ZEK Kipawa Sen baz=172	40.27 354	P	P	10 45 12.9 +1.2
N54A	Moraine State baz=168	34.55 351	P	P	10 44 25.0 +1.3	WLVO Wesleyville baz=171,SNR=5.4	37.24 354	P	P	10 44 47.8 +1.2	E48A Lockeyer baz=166,SNR=8.4	40.28 350	P	P	10 45 13.0 +1.2
OLIL	Olney comp=Z,2.1nm,0.4s	34.55 339	eP	P	10 44 24.9 +1.2	M43A Waltham Townsh baz=153	37.25 340	P	P	10 44 47.2 +0.5	D54A Lac Fusel, La baz=174,SNR=6.1	40.30 356	P	P	10 45 12.9 +1.0
Q46A	CEJHS Indians, baz=154	34.55 340	P	P	10 44 25.9 +1.2	N41A Harden Midland comp=Z,1.5nm,0.8s	37.29 337	eP	P	10 44 47.1 0.0	D53A Lac Vacive, Po comp=Z,5.1nm,0.8s	40.30 355	eP	P	10 45 12.9 +0.9
P47A	Martinsville baz=156,SNR=7.3	34.62 342	P	P	10 44 24.9 +1.2	N41A Harden Midland baz=150,SNR=5.6	37.29 337	eP	P	10 44 46.8 -0.3	LATQ La Tuque baz=180	40.41 0	P	P	10 45 14.2 +1.4
M59A	Waymart baz=176	34.63 357	P	P	10 44 26.0 +1.6	K46A Dorr baz=159	37.44 345	P	P	10 44 48.8 +0.6	E47A Iron Bridge baz=164	40.45 349	P	P	10 45 14.3 +1.1
KSPA	Keystone Colle comp=Z,6.9nm,0.6s	34.67 356	eP	P	10 44 25.4 +0.8	J49A Marlette baz=163	37.45 348	P	P	10 44 49.1 +0.8	E46A Sault Ste Mari comp=Z,1.9nm,0.5s	40.57 348	eP	P	10 45 14.1 -0.1
N52A	McGinn's Farm, baz=165	34.71 338	P	P	10 44 26.7 +1.7	I55A Frankford baz=172	37.46 355	P	P	10 44 49.3 +1.0	E46A Sault Ste Mari baz=163	40.57 348	P	P	10 45 15.1 +0.9
Q45A	Warren Harvey, baz=153,SNR=5.9	34.71 349	P	P	10 44 25.8 +0.7	I51A Listowel baz=167	37.48 351	P	P	10 44 49.8 +1.2	BATG Bathurst New B comp=Z,1.1nm,0.6s	40.75 7	eP	P	10 45 15.7 0.0
M56A	Emporium baz=171	34.81 353	P	P	10 44 27.7 +1.8	J48A Bridge Port comp=Z,9.4nm,0.6s	37.53 347	eP	P	10 44 49.0 0.0	D48A Paudash Townsh baz=167,SNR=8.1	40.89 351	P	P	10 45 17.9 +1.1
M55A	Ridgway baz=170	34.87 353	P	P	10 44 27.8 +1.4	I52A Shelburne baz=168	37.61 352	P	P	10 44 50.9 +1.1	D49A Beulah Townshi baz=168	40.92 351	P	P	10 45 18.0 +0.9
N50A	Nevada baz=162	34.98 347	P	P	10 44 28.8 +1.5	J47A Summer comp=Z,1.5nm,0.4s	37.71 346	eP	P	10 44 51.5 +1.0	F42A Maple Grove Fa baz=157	40.92 344	P	P	10 45 17.6 +0.5
HHAR	Hobbs comp=Z,6.0nm,0.5s	34.99 330	eP	P	10 44 27.1 -0.5	J47A Summer baz=161	37.71 346	eP	P	10 44 51.5 +1.0	D47A Chapleau baz=165	41.00 350	P	P	10 45 18.3 +0.6
O48A	Farmland baz=159	35.00 344	P	P	10 44 28.5 +0.9	H56A Elgin baz=175	37.72 356	P	P	10 44 51.8 +1.3	D46A Sault Ste. Mari baz=163	41.01 349	P	P	10 45 18.3 +0.5
M54A	Oil Creek Stat comp=Z,1.2nm,1.1s	35.03 351	eP	P	10 44 27.9 +0.1	N40A Mertquake, Sal baz=149	37.73 337	P	P	10 44 51.7 +1.0	BGNE Belgrade baz=140	41.03 331	P	P	10 45 18.3 +0.2
M54A	Oil Creek Stat baz=168	35.03 351	P	P	10 44 29.3 +1.4	H50A Tweed baz=159,SNR=8.2	37.75 355	eP	P	10 44 52.0 +1.2	G40A Rib Lake comp=Z,9.3nm,1.1s	41.09 342	eP	P	10 45 18.5 0.0
P46A	Rosedale baz=155	35.04 341	P	P	10 44 29.0 +1.2	DELO Deloro Mine comp=Z,3.5nm,0.5s	37.75 355	eP	P	10 44 52.1 +0.2	G40A Rib Lake baz=154,SNR=5.4	41.09 342	eP	P	10 45 18.8 +0.3
M53A	WI Miller and baz=167	35.13 350	P	P	10 44 29.8 +1.2	DELO Deloro Mine baz=172	37.75 355	eP	P	10 44 52.0 +1.2	E44A Grand Marais A comp=Z,4.6nm,0.6s	41.16 347	P	P	10 45 19.7 +0.7
P45A	Graceland, Par comp=Z,1.1nm,1.0s	35.13 340	eP	P	10 44 28.3 -0.4	M41A Milan baz=151	37.76 338	P	P	10 44 50.5 -0.4	E43A Lone Tree Farm comp=Z,4.6nm,0.6s	41.19 345	eP	P	10 45 19.2 -0.1
P45A	Graceland, Par baz=154,SNR=12	35.13 340	P	P	10 44 29.4 +0.7	U32A Winter Ranch, comp=Z,1.9nm,0.5s	37.77 325	eP	P	10 44 50.8 -0.4	E43A Lone Tree Farm baz=159	41.19 345	eP	P	10 45 19.7 +0.4
CCM	Cathedral Cave comp=Z,2.5nm,0.6s	35.19 335	eP	P	10 44 29.8 +0.6	BASO Ashfield baz=166	37.80 350	P	P	10 44 52.3 +1.1	LPM Los Pinos Moun comp=Z,4.1nm,0.8s	41.31 316	eP	P	10 45 22.5 +1.8
CCM	Cathedral Cave baz=148	35.19 335	P	P	10 44 29.9 +0.6	BWLO Walkerton baz=167	37.81 351	P	P	10 44 52.6 +1.2	VLDQ Val d'Or comp=Z,4.1nm,0.8s	41.31 356	eP	P	10 45 21.6 +1.4
O47A	Sheridan baz=157	35.28 343	P	P	10 44 31.0 +1.0	FRNY Flat Rock comp=Z,4.4nm,0.8s	37.86 359	eP	P	10 44 53.3 +1.5	G39A Holcombe baz=152,SNR=11	41.41 341	P	P	10 45 21.4 +0.3
M51A	Elyria baz=164	35.31 348	P	P	10 44 31.9 +1.7	I49A Point Hope comp=Z,1.4nm,0.8s	37.94 349	eP	P	10 44 53.3 +0.9	LENM Lemitar comp=Z,1.0nm,1.0s	41.46 316	eP	P	10 45 21.7 -0.2
BINY	Binghamton baz=175	35.32 356	P	P	10 44 31.9 +1.6	I49A Point Hope baz=166	37.94 349	eP	P	10 44 53.3 +0.9	COWI Conover comp=Z,1.0nm,1.0s	41.52 343	eP	P	10 45 22.0 0.0
M52A	Chesterland baz=175	35.35 349	P	P	10 44 31.4 +0.9	I49A Point Hope comp=Z,1.4nm,0.8s	37.94 349	eP	P	10 44 53.5 +1.1	T25A Trinidad comp=Z,3.8nm,0.6s	41.52 321	eP	P	10 45 23.5 +1.1
N49A	Columbus Grove comp=Z,9.2nm,1.1s	35.37 345	eP	P	10 44 31.9 +1.1	L42A Oliver, Polo comp=Z,1.7nm,1.1s	38.00 340	eP	P	10 44 52.7 -0.3	T25A Trinidad baz=129	41.52 321	eP	P	10 45 23.7 +1.3
N49A	Columbus Grove baz=161	35.37 345	P	P	10 44 31.8 +1.1	L42A Oliver, Polo baz=152	38.00 340	eP	P	10 44 52.7 -0.3	ANMO Albuquerque comp=Z,2.1nm,0.6s	41.54 317	eP	P	10 45 24.8 +2.2
L55A	Hinsdale baz=171	35.53 353	P	P	10 44 33.6 +1.5	J46A Howard City baz=159	38.02 345	P	P	10 44 53.9 +0.7	ANMO Albuquerque baz=125	41.54 317	eP	P	10 45 23.5 +0.9
N48A	Decatur baz=159	35.53 344	P	P	10 44 33.0 +0.9	SADO Sadowa comp=Z,6.1nm,0.9s	38.16 353	eP	P	10 44 55.0 +0.7	TASM ASL Pad, Albuq baz=125	41.54 317	P	P	10 45 23.7 +1.0
HRV	Adam Dzewonsk baz=182	35.56 2	P	P	10 44 33.6 +1.3	K43A Burlington comp=Z,1.8nm,1.1s	38.19 342	eP	P	10 44 54.5 0.0	TASM ASL Pad, Albuq baz=125	41.54 317	P	P	10 45

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Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like MVCO Mesa Verde, SMCO Snowmass, 214A Organ Pipe Nat, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like TPNV Topopah Spring, RLMT Red Lodge, RLMT Red Lodge, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other technical details. Includes stations like SUMG Summit, JIS Juneau Island, INK Inuvik, etc.

Table for UCR 05 10:39:32.1.7, 10.26N:84.23W, h114km, 77km, MW3.5, 3C-3D, Costa Rica. Columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC.

Table for ISCJB 05 10:40:47.7.1.4, 19.5N, 102.2942E, 0.2, h33km, mb3.5/4. Columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC.

Table for SAR 05 10:48:21.0.1.4, 42.37N, 19.33E, h13km, 2km, ML 1.9/7. Columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BUM Brajici-Budva, CEME Cevo, ULUC Ulcinj, etc.

KRNET 05 10:49:46.8-0.1, 42.33N-70.25E, mb2.7
NNC 05 10:49:51.0-3.8, 41.35N-71.37E, h0km, mb3.1, mpv2.7,
Error ellipse: s-maj=31.5km s-min=13.9km az=13.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARK Arkit, ARSB Arslanbob, BTJ Batken, etc.

SJA 05 10:57:23.0-0.4, 21.87S-68.67W, h131km, gkm, ML2.2,
MW3.7, 1D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PB09 IPOC Station P, PB09 Limon Verde, etc.

NNC 05 11:18:14.9-8.1, 36.90N-71.20E, h0km, mb3.5, mpv3.2,
4C-2D, Error ellipse: s-maj=65.1km s-min=60.2km
az=140.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KK31 Karatay Array, AAK Ala-Archa, etc.

NNC 05 11:20:50.4-5.5, 37.85N-72.10E, h0km, mb3.6, mpv3.2,
6D, Error ellipse: s-maj=42.6km s-min=32.6km az=169.0,
Tajikistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AAK Ala-Archa, KK31 Karatay Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, TKM2 0.8nm, 0.5s, etc.

MEX 05 11:22:07.1-0.7, 16.56N-98.18W, h12km, 7km, MD3.9,
Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like TLIG Tlapa, VHO Vista Hermosa, etc.

IDC 05 11:25:38.0-1.7, 6.63S-130.02E, h0km, mb4.1/2,
mb1 4.3/5, mb1mx3.8/28, mbtmp4.1/5, ML4.1/3, MS2.8/1,
MS1 2.8/1, ms1mx2.3/29, Error ellipse: s-maj=55.7km
s-min=27.2km az=75.0

ISCJB 05 11:25:46.1-0.9, 6.36S-104.131.03E, h100km,
mb4.0/2, Error ellipse: s-maj=13.4km s-min=6.2km
az=172.2

DJA 05 11:25:47.0-0.3, 6.52S-131.13E, h106km, 8km, M4.6/7,
mb4.5/7, mb5.5/2, MLV4.7/6, Mw(MB)4.9/2

ISC 05 11:25:46.1-0.9, 6.33S-104.131.08E, h100km, n13,
c226/15, Tanimbar Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SAUI Saumlaki, BNDI Bandanaira, etc.

IDC 05 11:34:40.9-6.0, 8.34S-107.33E, h64km, 48km, mb3.6/4,
mb3.7/4, mb1mx3.3/34, mbtmp3.9/4, MS2.5/2, MS1 2.6/2,
WVOJ 1.4nm, 0.5s, baz=128, slow=7.8, SNR=15

DJA 05 11:34:40.8-0.7, 8.54S-107.8E, h22km, 5km, M4.2/9,
mb3.9/1, MLV4.3/9

ISC 05 11:34:40.8-1.8, 8.3S-107.84E, h41km, 22km,
n21, c182/19, mb3.9/4, Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CISI Cisomet, LEM Lembang, etc.

IDC 05 12:01:21.6-5.0, 15.38S-167.67E, h114km, 43km, mb3.7/5,
mb1 4.0/6, mb1mx3.6/32, mbtmp4.2/6, MS2.8/1, MS1 2.8/1,
ms1mx2.4/20, Error ellipse: s-maj=32.9km s-min=26.7km
az=12.0

NEIC 05 12:01:26.3-1.4, 15.60S-167.63E, h146km, 14km,
mb4.5/16, Error ellipse: s-maj=39.2km s-min=12.2km
az=74.0

NEIC Felt at Luganville,
ISC 05 12:01:23.1-0.7, 15.54S-167.8E, h0.1, h124km, n37,
c152/40, mb4.5/17, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CTA Charters Tower, CTAO Charters Tower, etc.

MEX 05 12:01:23.2-0.6, 14.99N-92.59W, h100km, 6km, MD3.8,
Near coast of Chiapas

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

IDC 05 12:22:59.5-1.8, 4.39S-101.79E, h0km, mb4.0/7,
mb1 4.0/7, mb1mx3.7/40, mbtmp4.0/7, MS3.0/3, MS1 3.1/3,
ms1mx2.6/34, Error ellipse: s-maj=80.5km s-min=19.0km
az=53.0

ISCJB 05 12:23:02.0-0.6, 4.53S-101.73E, h0.0/7, h37km,
mb4.1/15, MS2.8/1, Error ellipse: s-maj=13.2km
s-min=4.9km az=44.2

DJA 05 12:23:03.0-0.8, 4.54S-101.72E, h12km, 7km, M4.3/12,
mb4.6/1, MLV4.2/12

NEIC 05 12:23:04.8-1.8, 4.46S-101.83E, h35km, mb4.2/7, Error
ellipse: s-maj=33.9km s-min=14.8km az=220.0

ISC 05 12:23:05.3-0.8, 4.5S-101.82E, h0.09, h37km, n48,
c1502/41, mb4.3/15, Southern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MNAI Manna, LHSI Lahat, etc.

mykom Kota Tinggi, 6.58 18 ePn Pn 12 24 38.6 -1.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CISI Cisomet, GSI Gunungsitoli, etc.

H0S2 Diego Garcia H 29.32 262 T 12 59 18.5

H0S3 Diego Garcia H 29.33 263 T 12 59 21.5

H0S1 Diego Garcia H 29.34 262 T 12 59 25.4

H01W3 Cape Leeuwin H 32.30 161 T 13 03 40.7

H01W2 Cape Leeuwin H 32.31 161 T 13 03 48.1

H01W1 Cape Leeuwin H 32.32 161 T 13 03 40.8

WR1 Warramunga Arr 35.18 119 eP P 12 29 55.9 -0.2

5d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like HHC, WHN, NU2, KS15, KSRS, KSR5, YAK, TIKI, TIKI, TIKI, KLR, MAW, BILL, PETK, ASAR, AS31, ILAR, PD31, PDAR, NV01, NVAR, TXAR.

ISN 05 13:21:06.9:29.0,35:52N;45:97E, h0km,274km, ML3.0

ISCJB 05 13:21:16.4:0.6,35:32N;0.05:45:39E;0.06, h10km, Error ellipse: s-maj=27.7km s-min=5.5km az=137.4

TEH 05 13:21:19.5,35:46N;45:79E, h10km, ML3.0

ISC 05 13:21:17.2:1.1,35:47N;0.05:45:59E;0.07, h10km, n16, c1991/15, Iran-Iraq border region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like IDHR, ILIN, MAHB, IGHG, IVIS, KCHF, KCOM, IBZA, MSL, MSL, IAZR, BHD, BHD, HSAM, ISHB, ISRB, IRB, IMRD, QABG.

DJA 05 13:25:31.3:0.3,9°S,3°E, h10km, M3.9/8, MLV3.9/8, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like PLA1, WBS1, WBS1, WSI, EDFI, BSSI, MMRI, BKSI, JAGI.

NEIC 05 13:42:21.2:1.1,0:19S;29:81E, h10km, mb4.6/7, Error ellipse: s-maj=12.8km s-min=6.9km az=249.0

IDD 05 13:42:23.3:5.2,0:19S;29:87E, h20km, mb3.7/4, mb1 3.9/5, mb1mx3.6/32, mbtmp3.9/5, ML3.8/1, MS3.2/4, Ms1 3.2/4, ms1mx2.8/40, Error ellipse: s-maj=30.4km s-min=20.7km az=21.0

ISC 05 13:42:20.6:0.7,0:40S;0:09;29:37E;0:08, h10km, n28, c2102/17, mb4.2/13, 2C, Zai

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like MBAR, MBAR, MBAR, MBAR, KMBO, KMBO, KMBO, KOND, KOND, KIB, LUSAK, LSZ, MATP, TORD, TORD, TOA1, SUR, DBIC, UOSS, WDD, AGG, BR101, BRTR, MDUB, ESDC, ESDC, FINES.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like NB2, NOA, MK32, MKAR, MKAR, ARAO, ARCES, ARCES.

ISCJB 05 13:51:55.4:0.4,14:81N;0:06:52:41E;0:05, h10km, mb4.4/66, MS3.5/20, Error ellipse: s-maj=8.1km s-min=6.9km az=163.2

IDC 05 13:51:55.0:0.8,14:71N;52:31E, h0km, mb4.3/20, mb1 4.3/20, mb1mx4.1/53, mbtmp4.3/20, MS3.5/17, Ms1 3.5/17, ms1mx3.3/38, Error ellipse: s-maj=18.7km s-min=17.0km az=103.7

MOS 05 13:51:55.5:1.1,14:75N;52:38E, h10km, mb4.7/33, Error ellipse: s-maj=12.4km s-min=5.0km az=103.7

NEIC 05 13:51:56.2:1.5,14:74N;52:20E, h10km, mb4.5/16, Error ellipse: s-maj=20.0km s-min=17.8km az=176.0

ISC 05 13:51:57.4:0.6,14:88N;0:08:52:23E;0:08, h10km, n163, c1965/155, mb4.4/66, MS3.5/20, 20C-7D, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like MZR, ALNE, ATD, ASUD, WSAR, FAO, ASHO, HATD, NAZ, UOSS, UOSS, RAYN, RAYN, MDH, MSFE, BANOM, BANOM, KMBO, KMBO, GEYT, GEYT, MMAI, LKRN, KBL, KBL, GNI, GNI, GNI, GANI, GANI, SEKA, NIL, NIL, AKT, AKT, ZKTA, CHGR, ZEI, ZEI, GROG, GROG, GROG, GAR, GAR, GAR, PALK, NEY, NEY, BR101, BRTR, BRTR, KBZ, KBZ, SHA1, KIV, KIV, KIV, KSH, KSH, KSH, KK31, KK31, AAK, AAK, AAK, ABKAR, TIRR, TIRR, AKTO, TLB, TLB, CFR, CFR, OTUK, OTUK.

Table with columns: Code, Station Name, Az, AzZ, Phase, ID, Time, Res, ISC. Includes stations like VTS, VTS, VTS, VORD, VORD, VRI, VRI, PLO, PLO, PLO, PLO, PLO, PLO, TESR, VOIR, VOIR, VOIR, ARR, LOT, LPSR, LPSR, GZR, BURAR, BURAR, BURAR, BZS, BZS, BZS, MZR, ALNE, ATD, ASUD, WSAR, FAO, ASHO, HATD, NAZ, UOSS, UOSS, RAYN, RAYN, MDH, MSFE, BANOM, BANOM, KMBO, KMBO, GEYT, GEYT, MMAI, LKRN, KBL, KBL, GNI, GNI, GNI, GANI, GANI, SEKA, NIL, NIL, AKT, AKT, ZKTA, CHGR, ZEI, ZEI, GROG, GROG, GROG, GAR, GAR, GAR, PALK, NEY, NEY, BR101, BRTR, BRTR, KBZ, KBZ, SHA1, KIV, KIV, KIV, KSH, KSH, KSH, KK31, KK31, AAK, AAK, AAK, ABKAR, TIRR, TIRR, AKTO, TLB, TLB, CFR, CFR, OTUK, OTUK.

Table of astronomical observations for 5d 14h, listing stations like ABKAR, TIRR, TLB, SRS, CFR, PDGK, OTUK, VTS, VORD, VRI, PLOR, TESR, VOIR, ARR, GZR, MAKZ, MAK3, MK31, MK32, MKAR, MKAR, BMR, BRVK, KURK, ARU, OBN, KOLS, KOLS, MATP, VYHS, VYHS, CMAR, MORC, MORC, KRUC, DPC, OSTC, OSTC, UPIC, UPIC, CHVC, KSP, GERES, GERES, GOPC, GOPC, ZALV, ZALV, ZAA1, PRU, PRU, KHC, KHC, PRGR, PRGR, TORO, TORO, BFO, BFO, FIAO, FIAO, FINES, FINES.

Table of astronomical observations for 2013 JUL, listing stations like FINES, BOS, ESCD, SONAO, SONM, ULN, HHC, HHC, ARAO, ARCES, WHN, TIXI, TIXI, KLR, WR1, WRA, ASAR, NVAR, ISCJB, NEIC, ISC, Code, Station Name, Az, Phase ID, Time, Res.

Table of astronomical observations for 250, listing stations like USRK, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, ILAR, WRA, NVAR, PDAR, Code, Station Name, Az, Phase ID, Time, Res.

Table for UCR 05 14:42:19.5, listing Code, Station Name, Az, Phase ID, Time, Res.

Text describing astronomical observations: IDC 05 14:48:12.0, 0.6, 26.915; 176.49W, h0km, mb4.3/15, mb1.4/5.15, mb1mx4.5/21, mbtmp4.3/15, MS4.3/17, Ms1.4/3.17, ms1mx4.1/31, Error ellipse: s-maj=22.9km, s-min=18.5km az=134.0, ISCJB 05 14:48:16.0, 0.5, 27.345; 0.05; 176.64W:0.10, h34km, mb4.5/30, MS4.4/19, Error ellipse: s-maj=13.1km, s-min=6.8km az=17.0, NEIC 05 14:48:33.0, 1.8, 27.985; 177.50W, h114km, 7km, mb4.6/26, Error ellipse: s-maj=21.3km s-min=12.9km az=93.0, ISC 05 14:48:18.0, 0.5, 27.365; 0.06; 176.55W:0.1, h34km, n75, z=12/60, mb4.5/30, MS4.3/19, 1C-1D, Kermadec Islands region.

Table of astronomical observations for 250, listing stations like RAO, RAO, RAO, URZ, URZ, BKZ, BIRCH, DZM, DZM, DZM, DZM, DZM, DZM, RAR, RAR, THZ, KHZ, CRLZ, OXZ, MOZ, TBI, TBI, PAE, PPT2, PPT2, PPT, TVO, EIDS, MCQ, CTA, CTA, STKA, STKA, STKA, TAOE, COEN, ASAR, ASAR, ASAR, WB2, WR1, WR1, WRA, WRA, FORT, FORT, SBA, VNSA, VNSA, VNSA, MORW, MORW, QSPA, QSPA, LEW, LEW, MAW, MAW, MJAR, MJAR, MAT, MAT, ASAJ, ASAJ.

Table with columns: MAT, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Nakatsue, Syowa Base, Sanae, etc.

Table with columns: DGS, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like baz=95, Degeres, TKM2, etc.

Table with columns: KOTS, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like Kotyrbulak, KOTY, etc.

DDA 05 14:56:14.3, 39.90N, 35.20E, h7km, 2km, ML2.6
ISC JB 05 14:56:14.7, 39.93N, 35.25E, h6km, ML2.0.5
ISCB 05 14:56:15.4, 0.7, 39.90N, 0.03:35.19E, 0.06, h8km, 8km,
Error ellipse: s-maj=8.5km s-min=4.8km az=153.4
ISC 05 14:56:14.8, 1.2, 39.91N, 0.04:35.22E, 0.04, h16km, 12km,
n9, 0.042/14, Turkey

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

Table with columns: UCH, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like UCH, KU, etc.

Table with columns: UZB, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like UZB, TDK, etc.

SNET 05 14:57:03.6:0.9, 12.95N, 88.61W, h58km, 8km, ML3.7, 3D,
Off coast of central America

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like TECA, LCY, PACA, etc.

Table with columns: KZA, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KZA, KZ, etc.

Table with columns: PDGK, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like PDGK, KAPS, etc.

NNC 05 15:04:05.3:0.3, 43.28N, 74.98E, h0km, mb3.8, mpv3.7,
Error ellipse: s-maj=2.1km s-min=1.4km az=162.0
KRNET 05 15:04:05.0:0.1, 43.30N, 74.97E, h14km, mb3.4
SOME 05 15:04:06.1, 43.28N, 75.00E, h10km
KNET 05 15:04:06.1:0.5, 43.25N, 74.93E, h14km, 3km, ml2.4, Error
ellipse: s-maj=3.4km s-min=2.4km az=24.0
ISC 05 15:04:05.8:0.9, 43.29N, 0.02:74.96E, 0.01, h14km, 7km,
n88, 0.1502/158, 62C-29D, Central Kazakhstan

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like SGDS, CHMS, USP, etc.

Table with columns: AML, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like AML, ARL, etc.

Table with columns: KRSC, Station Name, Az, El, Phase, ID, Time, Res, ISC. Includes stations like KRSC, SKR, etc.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

ISC/JB 05 17:01:06.4.0.3, 67.08N, 02.20.96E, 0.06, h0km, Error ellipse: s-maj=3.5km s-min=3.1km az=0.8, IDG 05 17:01:06.4.1.0, 67.07N, 21.12E, h0km, mb1 3.0/3, mb1mx2.9/3, mbtmp2.9/3, ML2.0/3, Error ellipse: s-maj=16.0km s-min=8.2km az=112.0, HEL 05 17:01:06.7.0.0, 67.08N, 20.92E, h0km, ML2.1, EXPLOSION ML2.1 (UPP), Explosion UPP 05 17:01:06.0.0.1, 67.07N, 20.93E, h0km, ML2.1, Explosion ISC 05 17:01:05.8.0.3, 67.07N, 02.20.96E, 0.02, h0km, n39, c0885/57, Sweden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KIKV Kanaga Island, KIMD Kanaga Island, KICM Kanaga Island, etc.

DDA 05 17:29:29.8, 39°50N, 27°68E, h7km, 2km, ML3.1
ISCJB 05 17:29:30.0, 0.5, 39°52N, 03:27:67E, 0.0, h8km, 5km,
Error ellipse: s-maj=6.7km s-min=5.0km az=20.9

ISK 05 17:29:30.2, 39°54N, 27°63E, h8km, ML2.1/10
ISC 05 17:29:30.3, 0.9, 39°50N, 03:27:68E, 0.04, h13km, 7km,
n14, c056/19, Turkey

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

MDD 05 17:55:00.1, 9.1, 29°30N, 16°33W, h80km, 28km, mb1.9/5,
Error ellipse: s-maj=29.3km s-min=10.6km az=172.0,
PRXIMO TT-model: canary SOLUCIN POBRE

ISC 05 17:54:56.7, 2.5, 29°4N, 01:16:32W, 0.07, h10km, n7,
c197/13, 1C-1D, Canary Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EBAJ Bajamar, CRAJ Rajada, etc.

ISCJB 05 18:04:45.1, 0.9, 1°16'S, 0°03'77.60W, 0.04, h13km, 4km,
Error ellipse: s-maj=7.4km s-min=4.1km az=27.3
IGQ 05 18:04:46.0, 0.5, 1°S, 2°7'8W, 1.8km, MLV3.8
ISC 05 18:04:45.4, 1.1, 1°15'S, 0°03'77.63W, 0.04, h14km, 7km,
n49, c1531/66, Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ATEN Tena, ARDO Archidona, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BPAT Otavalo, ANTI Antisana, ANTG Antisana-Guama, etc.

IDC 05 18:41:18.4, 2.6, 17°14N, 147°35E, h0km, mb3.4/5,
mb1.3/8.6, mb1mx3.4/36, mbtmp3.5/6, ML4.1/1, Error ellipse:
s-maj=67.0km s-min=23.1km az=88.0

ISCJB 05 18:41:22.3, 1.6, 17°21N, 01:14:17.3E, 0.3, h41km, mb3.4/4,
Error ellipse: s-maj=39.6km s-min=11.4km az=14.4
ISC 05 18:41:24.0, 2.1, 17°11N, 01:14:17.3E, 0.3, h41km, n6,
c037/7, mb3.5/4, Mariana Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GUMO Guamo, MJAR Matsushiro, WRA Warramunga Arr, etc.

IDC 05 18:46:51.3, 1.7, 1°65N, 124°21E, h0km, mb3.5/3,
mb1.3/7.3, mb1mx3.2/28, mbtmp3.5/3, Error ellipse:
s-maj=176.5km s-min=25.2km az=63.0, Minahassa Peninsula, Sulawesi

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

KRSC 05 18:49:25.8, 2.1, 51°97N, 153°49E, h454km, 30km, ML4.0,
Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ALID Alaid, KDTR Khodutka, RUS Russkaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GALAA Gareloi East, GAEA Gareloi East, TASE Tanaga Southea, etc.

IDC 05 19:20:45.1, 8.4, 12°48S, 167°12E, h277km, 96km, mb3.3/5,
mb1.3/5.6, mb1mx3.1/39, mbtmp3.9/6, MS2.9/1, Ms1 2.9/1,
ms1mx2.4/16, Error ellipse: s-maj=85.2km s-min=33.0km
az=158.0

ISC 05 19:20:38.3, 1.2, 12°6S, 02:16:73E, 0.3, h220km, n8,
c041/7, mb3.4/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, ASAR Alice Springs, JUNU Nakatsue, etc.

SJA 05 19:22:27.9, 1.0, 21°38S, 67°36W, h202km, 9km, ML3.2,
MW3.4
ISCJB 05 19:22:31.0, 0.9, 21°37S, 0°04:67.48W, 0.05,
h192km, 11km, Error ellipse: s-maj=7.5km s-min=5.9km
az=163.2

GUC 05 19:22:29.0, 0.6, 21°31S, 67°91W, h222km, 6km, ML4.1
IDC 05 19:22:31.8, 7.8, 17°89S, 72°93W, h214km, 66km, mb2.5/1,
mb1.3/2.2, mb1mx3.0/23, mbtmp3.4/2, Error ellipse:
s-maj=97.9km s-min=50.6km az=33.0

ISC 05 19:22:28.2, 1.1, 21°37S, 0°04:67.44W, 0.05, h206km, 9km,
n32, c088/51, 8C-4D, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PB09 IPOC Station P, PB08 IPOC Station P, etc.

HHC	comp=Z,6.0nm,1.0s	LR	LR		
HHC	comp=Z,140nm,9.9s	LR	LR		
MA2	Magadan 24.61 12 P	P	P	22 06 04.6 +0.3	
MA2	comp=Z,145nm,18.0s,baz=210,slow=40	LR	LR	22 17 18.9	
MA2	Magadan 24.61 12 eP	P	P	22 06 05.3 +1.0	
MA2	Magadan 24.61 12 i P	P	P	22 06 05.3 +1.0	
XAN	comp=Z,19nm,0.6s	Pmax	Pmax		
XAN	Xi'an 26.30 276 P	P	P	22 06 18.3 -1.6	
XAN		pP	pP	22 06 26.3 -1.6	
XAN		sP	sP	22 06 30.4 -0.9	
XAN	comp=Z,6.0nm,0.8s	Pmax	Pmax		
XAN	comp=Z,140nm,5.3s	Pmax	Pmax		
XAN	comp=Z,180nm,22.8s	LR	LR		
XAN	comp=Z,170nm,22.8s	LR	LR		
ENH	Enshi 26.92 267 eP	P	P	22 06 23.4 -2.1	
YAK	comp=Z,14nm,0.6s	P	P	22 06 26.9 -0.5	
YAK	Yakutsk 27.18 348 eP	P	P	22 06 27.3 -0.2	
YAK	Yakutsk 27.18 348 eP	P	P	22 07 15.9	
YAK	Ulaanbaatar 27.78 306 eS	P	P	22 06 56.3 -8.0	
ULN	Ulaanbaatar 27.78 306 eP	P	P	22 06 34.6 +1.4	
H11N2	WAKE ISLAND Hy 27.84 118 T	T	T	22 35 36.5	
H11N1	WAKE ISLAND Hy 27.85 118 T	T	T	22 35 34.3	
H11N3	WAKE ISLAND Hy 27.86 118 T	T	T	22 35 37.7	
SEY	Seymchan 28.04 11 P	P	P	22 06 36.0 +0.8	
SEY	Seymchan 28.04 11 P	P	P	22 06 36.0 +0.8	
SONA	Songino Array 28.20 306 eP	P	P	22 06 36.3 -0.7	
SONA	Songino Array 28.20 306 eP	P	P	22 06 36.3 -0.7	
SONM	comp=Z,2.4nm,0.6s,baz=102,slow=8	LR	LR	22 18 19.9	
H11S1	WAKE ISLAND Hy 28.51 120 T	T	T	22 36 26.7	
H11S3	WAKE ISLAND Hy 28.51 120 T	T	T	22 36 26.6	
H11S2	WAKE ISLAND Hy 28.53 120 T	T	T	22 36 27.8	
LZH	Lanzhou 29.96 282 eP	P	P	22 06 53.1 +0.3	
LZH		pP	sP	22 07 04.0 -0.2	
LZH		sP	pP	22 07 10.2 +9.4	
LZH		PnPn	SS	22 07 50.6 +1.0	
LZH		SS	SS	22 13 19.6 -3.7	
LZH	comp=Z,20nm,1.0s	Pmax	Pmax		
LZH	comp=Z,110nm,4.2s	LR	LR		
LZH	comp=Z,230nm,15.7s	LR	LR		
LZH	comp=Z,280nm,16.8s	LR	LR		
LZH	comp=Z,360nm,16.8s	LR	LR		
TLY	Talaya 30.89 313 eP	P	P	22 07 02.6 +2.0	
TLY		eSS	SS	22 14 10.4 -4.6	
TLY	comp=Z,5.0nm,0.8s	Pmax	Pmax		
QIZ	Qiongzong 32.13 247 P	MLR	MLR	22 07 11.3 -0.5	
QIZ		S	S	22 12 20.1 -2.7	
QIZ	comp=Z,130nm,18.1s	LR	LR		
QIZ	comp=Z,170nm,20.1s	LR	LR		
QIZ	comp=Z,160nm,19.6s	LR	LR		
GTA	Gaotai 32.62 289 eP	P	P	22 07 16.4 +0.3	
KMI	Kunming 34.46 263 P	Pmax	Pmax	22 07 33.9 +1.5	
KMI	comp=Z,16nm,0.7s	LR	LR		
KMI	comp=Z,180nm,20.2s	LR	LR		
KMI	comp=Z,140nm,17.3s	LR	LR		
KMI	comp=Z,170nm,22.0s	LR	LR		
BILL	Bilibino 35.28 16 eP	P	P	22 07 38.6 -0.1	
BILL	Bilibino 35.28 16 i P	P	P	22 07 39.8 +1.1	
BILL	Bilibino 35.28 16 i P	P	P	22 08 58.4	
BILL	comp=Z,17nm,1.0s	Pmax	Pmax		
BILL	comp=Z,181nm,19.0s	MLR	MLR		
TIXI	Tiksi 36.45 354 P	P	P	22 07 47.1 -1.5	
TIXI	comp=Z,4.2nm,0.8s,baz=129,slow=7.5,SNR=5.0	P	P	22 07 49.8 +1.2	
TIXI	Tiksi 36.45 354 i P	P	P		
DGZ	Jazzator, Alta 40.84 307 d i P	P	P	22 08 26.5 +0.5	
DGZ	comp=Z,6.0nm,0.7s	Pmax	Pmax		
CM31	Chiang Mai Arr 40.87 256 eP	P	P	22 10 27.7 +0.8	
CMAR	Chiang Mai Arr 40.87 256 P	P	P	22 08 23.4 -3.0	
CMAR	comp=Z,0.8nm,0.3s,baz=55,slow=24,SNR=3.0	P	P	22 10 27.7 +0.8	
CMAR	Chiang Mai Arr 40.87 256 P	P	P	22 10 27.7 +0.8	
CMAR	Chiang Mai Arr 40.87 256 P	P	P	22 08 28.6 +2.2	
WMQ	Urumqi 41.10 298 eP	P	P	22 08 29.6 +1.5	
WMQ	comp=Z,170nm,29.0s	LR	LR		
WMQ	comp=Z,250nm,29.1s	LR	LR		
WMQ	comp=Z,95nm,25.1s	LR	LR		
LSA	Lhasa 42.00 276 eP	P	P	22 08 36.3 +0.2	
LSA	Lhasa 42.00 276 eP	P	P	22 08 36.3 +0.2	
ZAA1	Zalesovo Array 42.49 313 eP	P	P	22 10 31.6 +0.1	
ZALV	Zalesovo Beam 42.49 313 P	P	P	22 08 39.2 0.0	
ZALV	comp=Z,4.1nm,0.5s,baz=96,slow=6.8,SNR=14	P	P	22 10 31.6 +0.1	
ZALV	comp=Z,1.2nm,0.6s,baz=96,slow=2.5,SNR=3.2	LR	LR	22 27 03.1	
MKAR	Makanchi Array 44.49 303 P	P	P	22 08 55.3 -0.2	
MKAR	comp=Z,6.7nm,0.7s,baz=90,slow=6.8,SNR=9.2	LR	LR	22 28 06.4	
MKAR	comp=Z,110nm,20.3s,baz=76,slow=37	LR	LR	22 28 06.4	
MAKZ	Makanchi 44.70 303 eP	P	P	22 08 57.1 0.0	
MAKZ	Makanchi 44.70 303 eP	P	P	22 08 57.1 0.0	
MAKZ	comp=Z,10.0nm,0.8s	Pmax	Pmax		
KURK	Kurchatov 46.42 309 eP	P	P	22 09 09.5 -1.1	
KURK	comp=Z,1.6nm,0.7s	P	P	22 09 10.3 -0.4	
KURK	Kurchatov 46.42 309 eP	P	P	22 09 10.3 -0.4	
SVWZ	Sparrevoyn 46.69 37 eP	P	P	22 09 14.8 +2.2	
PDGK	Podgornoye 47.05 299 P	P	P	22 09 15.5 -0.4	
PDGK	comp=Z,15nm,0.9s	Pmax	Pmax		
RSD	Redoubt South 48.06 38 eP	P	P	22 09 23.9 +0.3	
KODK	Kodiak Island 48.23 41 P	P	P	22 09 25.6 +1.0	
KODK	comp=Z,3.3nm,0.7s,baz=271,slow=5.6,SNR=11	P	P	22 09 25.6 +1.0	
KODK	Kodiak Island 48.23 41 eP	P	P	22 09 24.7 +0.1	
PPLA	Purkeypile 48.35 34 eP	P	P	22 09 26.4 +0.7	
KTH	Kantishya Hill 48.94 33 eP	P	P	22 09 31.6 +1.5	

MLY	Manley 49.05 31 eP	P	P	22 09 33.3 +2.4	
RND	Reindeer 49.87 34 eP	P	P	22 09 37.6 +0.4	
RND	Reindeer 49.87 34 eP	P	P	22 09 37.6 +0.4	
RND		Pmax	Pmax	22 10 04.2 +9.2	
SML	Sawmill 50.17 36 eP	P	P	22 09 40.2 +0.7	
SML	Sawmill 50.17 36 eP	P	P	22 09 40.2 +0.7	
WRH	Wood River Hill 50.19 32 eP	P	P	22 09 40.0 +0.5	
ILAR	Eielson Array 50.70 32 P	P	P	22 09 44.1 +0.8	
ILAR	comp=Z,3.3nm,0.7s,baz=267,slow=6.2,SNR=34	P	P	22 11 00.6 +0.3	
ILB	Eielson Array 50.70 32 eP	P	P	22 09 43.5 +0.1	
OTUK	Ortayu 50.87 307 P	P	P	22 09 44.9 -0.1	
OTUK		Pmax	Pmax		
BRVK	Borovyoye 51.20 313 eP	P	P	22 09 47.0 -0.3	
BRVK	Borovyoye 51.20 313 eP	P	P	22 09 47.5 +0.2	
PRP	Porcupine Dome 51.25 31 eP	P	P	22 09 48.5 +0.8	
PAX	Paxson 51.42 34 eP	P	P	22 09 50.0 +1.0	
PAX	Paxson 51.42 34 eP	P	P	22 09 50.0 +1.0	
DOT	Dot Lake 52.00 33 eP	P	P	22 09 53.6 +0.5	
GSI	Gungunistic 52.89 240 eP	P	P	22 09 57.2 -3.2	
HYT	Haines Junction 55.47 36 eP	P	P	22 10 21.0 +2.2	
INK	Inuvik 55.62 27 P	P	P	22 10 20.8 +1.3	
INK	Inuvik 55.62 27 eP	P	P	22 10 20.0 +0.6	
WRAB	Tennant Creek 55.81 188 eP	P	P	22 10 19.7 -1.7	
WRAB	Tennant Creek 55.81 188 eP	P	P	22 10 20.6 -0.8	
WRAB		Pmax	Pmax		
WB2	Warramunga Arr 55.81 188 eP	P	P	22 10 20.1 -1.4	
WR1	Warramunga Arr 55.82 188 eP	P	P	22 10 20.4 -1.1	
WRA	Warramunga Arr 55.82 188 P	P	P	22 10 20.4 -1.1	
SVE	Sverdlouvs 55.84 319 i P	P	P	22 10 21.9 +0.7	
SVE		Pmax	Pmax		
WHY	Whitehorse 56.76 36 eP	P	P	22 10 29.0 +1.0	
ARU	Arti 57.05 319 eP	P	P	22 10 29.2 -0.6	
ARU	Arti 57.05 319 d i P	P	P	22 10 29.6 -0.3	
ARU		S	S	22 12 31.7 +0.9	
ARU		SS	SS	22 22 08.3 -2.6	
ARU		Pmax	Pmax		
ASAR	Alice Springs 59.54 188 P	P	P	22 10 46.6 -1.0	
ASAR	comp=Z,3.7nm,0.8s,baz=11,slow=7.9,SNR=37	LR	LR	22 35 44.0	
DLBC	Dease Lake 59.79 37 P	P	P	22 10 51.6 +2.5	
DLBC	Dease Lake 59.79 37 eP	P	P	22 10 50.1 +1.0	
EIDS	Eidsvold 61.60 170 eP	P	P	22 11 01.2 -0.3	
DZM	Mont Dzumac 62.42 153 P	P	P	22 11 08.4 +1.1	
DZM	comp=Z,3.8nm,1.0s,baz=121,slow=17,SNR=3.2	P	P	22 11 07.3 +0.1	
DZM	Mont Dzumac 62.42 153 eP	P	P	22 11 08.4 +1.1	
GEYT	Alibeck 64.13 299 P	P	P	22 11 18.6 +0.1	
GEYT	comp=Z,1.2nm,0.6s,baz=35,slow=5.3,SNR=3.9	LR	LR	22 41 54.5	
ARCES	ARCESS Array B 65.01 339 P	P	P	22 11 23.7 0.0	
ARCES	comp=Z,2.9nm,0.8s,baz=49,slow=7.4,SNR=7.1	LR	LR	22 43 01.0	
YKA	Yellowknife Arr 65.02 30 P	P	P	22 11 24.6 +0.7	
YKBS	Yellowknife Arr 65.02 30 eP	P	P	22 11 24.6 +0.7	
MSF	Maaseka 66.01 335 P	P	P	22 11 31.9 +1.7	
STKA	Stephens Creek 67.35 179 P	P	P	22 11 38.5 -0.5	
STKA	comp=Z,6.7nm,0.6s,baz=352,slow=7.1,SNR=16	P	P	22 11 38.5 -0.5	
STKA	Stephens Creek 67.35 179 eP	P	P	22 11 41.6 +1.6	
OUL	Oulu 68.86 323 i P	P	P	22 11 48.4 0.0	
OUL		Pmax	Pmax	22 12 15.0	
OBN	Obninsk 68.86 323 i P	P	P	22 12 15.0	
OBN		e	e	22 14 23.6	
OBN		eS	eS	22 21 08.7 +18	
OBN		Pmax	Pmax		
OBN	comp=Z,20nm,1.3s	MLR	MLR		
LPSR	Galich ya Gora 69.02 320 eP	P	P	22 11 53.7 +4.3	
LPSR	comp=Z,10.0nm,0.7s	Pmax	Pmax		
AKT	Akhty 69.53 307 eP	P	P	22 11 52.1 -0.9	
AKT		e	e	22 12 14.0	
VSR	Storozhevoye 69.62 319 eP	P	P	22 11 51.8 -1.4	
VSR	comp=Z,12nm,1.1s	Pmax	Pmax		
VSR	Storozhevoye 69.62 319 eP	P	P	22 11 51.8 -1.4	
VORD	Divnogorie 69.69 319 eP	P	P	22 11 52.5 -1.1	
VORD	comp=Z,5.0nm,0.6s	Pmax	Pmax		
FINES	FINESS Array B 69.73 332 P	P	P	22 11 53.8 +0.1	
FINES	comp=Z,3.1nm,0.7s,baz=46,slow=7.5,SNR=12	LR	LR	22 47 24.8	
GROC	Groznyy 69.90 309 eP	P	P	22 11 54.1 -1.0	
GROC		e	e	22 12 16.7	
GROC		e	e	22 14 28.7	
GROC		Pmax	Pmax		
KBZ	Khabaz 71.44 311 P	P	P	22 12 04.8 +0.5	
KIV	Kislovodsk 71.45 311 P	P	P	22 12 04.7 +0.1	
KIV	Kislovodsk 71.45 311 i P	P	P	22 12 04.2 -0.4	
KIV	Kislovodsk 71.45 311 eP	P	P	22 12 05.1 +0.5	
KIV	comp=Z,26nm,1.0s	MLR	MLR		
SUMG	Summit 71.89 360 eP	P	P	22 12 07.3 +0.2	
SUMG	comp=Z,10nm,1.0s	P	P	22 12 07.4 +0.2	
SUMG	Summit 71.89 360 eP	P	P	22 12 07.4 +0.2	
GNI	Garni 72.16 307 eP	P	P	22 12 08.7 -0.4	
GNI	comp=Z,8.9nm,0.9s	P	P	22 12 08.7 -0.4	
GNI	Garni 72.16 307 eP	P	P	22 12 08.7 -0.4	
AKH	Akhalkalaki 72.30 308 eP	P	P	22 12 10.2 +0.3	
AKH	Akhalkalaki 72.30 308 eP	P	P	22 12 10.2 +0.3	
PAHR	Pah Rah Range 74.57 52 eP	P	P	22 12 23.6 +0.3	
FFC	Flin Flon 74.91 32 eP	P	P	22 12 25.1 +0.4	

FFC	Flin Flon 74.91 32 i P	P	P	22 12 26.2 +1.5	
NC405	NORSAR Array S 74.96 337 eP	P	P	22 12 23.8 -1.1	
AKASG	Main Array Be 75.05 322 P	P	P	22 12 25.3 -0.3	
AKASG	comp=Z,3.5nm,0.6s,baz=47,slow=6.2,SNR=21	LR	LR	22 48 26.0	
AKBB	Main Array Si 75.05 322 eP	P	P	22 12 25.0 -0.6	
AKBB	Main Array Si 75.05 322 eP	P	P	22 12 25.0 -0.6	
HRY	Holler Researc 75.07 43 eP	P	P	22 12 27.0 +1.1	
NC204	NORSAR Array S 75.13 338 eP	P	P	22 12 25.6 -0.4	
NB201	NORSAR Array S 75.14 337 eP	P	P	22 12 26.0 +0.2	
NB2	NORSAR Subarra 75.17 337 P	P	P	22 12 25.8 -0.4	
NOA	NORSAR Array B 75.17 337 P	P	P	22 12 26.4 +0.2	
NO					

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S2, H11S1, STKA, H11N1, H11N3, H11N2, MJAR, NJ2, KSR5, USRK, CMAR, HHC, SONM, WMQ, BVAR, ZALV, ILAR, TORO, etc.

IDC 05 23:31:26.1, 0.8, 26.75N, 144.11E, h0km, mb3.9/16, mb1.4/11.8, mb1mx3.9/56, mbtmp3.9/18, MS3.2/2, MS2.7/4, Ms1.2.8/4, ms1mx2.6/38, Error ellipse: s-maj=22.2km s-min=18.0km az=66.0

JMA 05 23:31:28.0, 0.2, 27.06N, 144.00E, h9km, M4.2

ISC 05 23:31:32.0, 0.8, 27.01N, 144.02E, h0.835km, n28, s166/27, mb4.0/17, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBUJ, JHH2, BSO1, JRY, MJAR, MJAR, GUMU, KSR5, USRK, KLR, SONM, WRA, ZALV, ASAR, MKAR, KURBB, ILAR, BVAR, ARU, ARCS, YBH, OBN, FINES, KBZ, NVAR, NOA, BRTR, TXAR, etc.

IDC 05 23:36:24.8, 5.7, 36.57N, 70.72E, h130km, 45km, mb1.3/4.7, mb1mx3.0/57, mbtmp3.9/7, Error ellipse: s-maj=67.3km s-min=19.2km az=155.0

ISCJB 05 23:36:25.0, 0.5, 36.57N, 70.78E, 0.05, h188km, Error ellipse: s-maj=6.0km s-min=5.0km az=30.8

NNC 05 23:36:26.2, 6.2, 36.72N, 70.66E, h158km, 40km, mb3.2, mpv4.2, Error ellipse: s-maj=24.4km s-min=13.8km az=152.0

ISC 05 23:36:25.2, 0.9, 36.59N, 0.07, 70.77E, 0.06, h188km, n26, s157/34, 7C-5D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AML, UCH, EK52, KK31, AAK, AAK, AAK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK, CHMS, USP, TKM2, GEYT, GYA0B, PYUN, AB31, DBN, KKN, KURBB, PKIN, JIRN, BVAR, AKTO, AKTO, AKTO, ZALV, etc.

ISCJB 05 23:53:17.6, 1.6, 5.8S, 0.1, 150.6E, 0.2, h48km, mb3.9/4, MS3.4/2, Error ellipse: s-maj=36.7km s-min=14.2km az=24.9

IDC 05 23:53:25.9, 7.0, 5.99S, 150.34E, h102km, 51km, mb3.7/4, mb1.3/9.6, mb1mx3.5/36, mbtmp4.1/6, MS3.4/2, Ms1.3/5.2, ms1mx3.0/27, Error ellipse: s-maj=62.7km s-min=36.2km az=90.0

ISC 05 23:53:18.8, 1.8, 5.8S, 0.1, 150.7E, 0.3, h48km, n8, s198/28, mb4.0/4, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, PMG, WRA, ASAR, KSR5, CMAR, CMAR, TORO, etc.

ISCJB 05 23:55:33.0, 0.8, 5.49S, 0.09, 149.8E, 0.1, h68km, mb3.8/6, Error ellipse: s-maj=22.0km s-min=9.9km az=27.0

IDC 05 23:55:35.0, 0.8, 5.55S, 149.91E, h68km, 5km, mb3.6/6, mb1.3/8.7, mb1mx3.5/33, mbtmp3.9/7, MS3.7/4, Ms1.3/7.4, ms1mx3.3/24, Error ellipse: s-maj=26.7km s-min=12.5km az=116.0

ISC 05 23:55:35.2, 0.8, 5.55S, 0.1, 149.9E, 0.2, h68km, n12, s140/16, mb4.0/7, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, HNR, WRA, ASAR, ASAR, BATI, STKA, CMAR, CMAR, PETK, PETK, MKAR, MKAR, MAW, ILAR, ILAR, ILAR, etc.

MEX 05 23:55:44.2, 0.5, 15.09N, 96.05W, h22km, 21km, MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUG, HUG, PANG, VHO, VHO, CMIG, CMIG, TGIG, etc.

ISCJB 06 00:02:16.8, 0.4, 1.7, 75S, 0.1, 178.75W, 0.08, h579km, mb4.2/34, Error ellipse: s-maj=18.5km s-min=6.9km az=157.3

IDC 06 00:02:17.5, 2.9, 17.75S, 178.68W, h573km, 36km, mb3.8/15, mb1.3/9.17, mb1mx3.6/40, mbtmp4.7/17, Error ellipse: s-maj=23.9km s-min=14.2km az=167.0

ISC 06 00:02:17.6, 0.6, 17.8S, 0.1, 178.70W, 0.09, h579km, n55, s092/56, mb4.2/34, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, RAR, RAR, EIDS, PTA, PTA, PMG, COEN, STKA, STKA, JAY, WB2, WRA, WRA, AS31, ASAR, ASAR, SJUI, PSAO, MJAR, MAJO, MNAI, NV01, NVAR, KVN, K05A, PINO, WVOR, TUC, J08A, U15A, ELK, G08A, SCM, MAW, MAW, PAX, PAX, HLID, CCB, ILAR, PV17, TX31, TXAR, MCMT, PDAR, CMAR, YKA, YKB5, MKAR, MKAR, BR101, BR101, BRTR, CLL, etc.

ISCJB 06 00:07:58.6, 0.8, 4.80S, 0.08, 148.8E, 0.2, h33km, mb3.8/6, MS3.5/9, Error ellipse: s-maj=22.2km s-min=10.0km az=12.0

IDC 06 00:08:01.7, 5.6, 4.88S, 148.89E, h50km, 57km, mb3.7/7, mb1.4/0.8, mb1mx3.7/31, mbtmp4.0/8, ML1.6/1, MS3.5/11, Ms1.3/5.1, ms1mx3.3/33, Error ellipse: s-maj=37.3km s-min=27.1km az=26.0

ISC 06 00:08:00.3, 1.1, 4.85S, 0.1, 148.9E, 0.2, h35km, n17, s198/9, mb3.9/6, MS3.5/9, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PMG, PMG, HNR, GUMO, WRA, ASAR, ASAR, DZM, DZM, BATI, STKA, MJAR, KSR5, USRK, CMAR, MA2, VVND, MKAR, ZALV, ILAR, etc.

ISCJB 06 00:13:54.6, 2.3, 4.6S, 0.1, 141.7E, 0.2, h10km, Error ellipse: s-maj=22.6km s-min=6.4km az=44.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUG, HUG, PANG, VHO, VHO, CMIG, CMIG, TGIG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Puerto Angel, Laguna Verde, Comitan, Poplar Bluff, Lion Creek, Covington.

MEX 06 03:06:33.5-0.7, 15.29N-93.07W, h84km, 7km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Comitan, Poplar Bluff, Lion Creek, Covington.

WEL 06 04:04:06.4, 36°S, 161°17'9"E, h162km, 21km, M3.5/21, ML3.6/6, MLV3.5/21, Error ellipse: s-maj=0.2km s-min=0.0km az=5.4, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matakaoa Point, Waikomataini S, Te Kaha, Puketiti, Raukumara Rang, Tauwharepara, Carnagh Statio, Te Karaka, Matawahi, Urewera, Rawiri, Ohinepanea, Rimuhau, Tauranga, Paritu Road, Kuaotunu, Shannon Statio, OMRZ, Ruatahuna, Kaharoa, Kokohu, Mahia Peninsul, Arahui, Tahuroa Road, Moutamakai, Aropaanui, East Tamaki Re, Waipu Caves.

NIED 06 04:07:00, 41.80N, 142.30E, h65km, Mw3.5 Best double couple: M2.22000x10^14 NPI3.293.00000, 324.00000, 1.06.00000, NPI2.109.00000, 866.00000, 1.02.00000

JMA 06 04:07:18.8-0.2, 41.82N-142.27E, h57km, 4km, M3.5, 2C-8D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urakawa-nobuka, Hidakashinhida, Kimino, Aomorighagashid, Kibayori, Ohata, Noboribetsu, Churui, Eniwo, Furan, Terimabayashi, Shiruuchi, Yakumo 2, Nango, Ishikarishitsu, Onobets, Ashorobuto.

SNET 06 04:11:06.1-1.3, 13.42N-90.74W, h22km, 5km, ML3.1 CGC 06 04:11:07.8-0.7, 13.55N-90.98W, h13km, 999km, MD3.6 ISC 06 04:11:05.6-3.2, 13.4N, 0.1-90.84W, 0.08, h30km, 17km, n14, c055/22, Near coast of Guatemala

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pacaya, Fuego 3, Cerro Verde, San Blas, El Retiro, San Jose, Las Nubes, Santiaguito 3, Universidad Ev, Serv Nac Est T, La Fuente, Montecristo, Las Pavas, Marmol.

ROM 06 04:16:07.1-0.9, 38.69N, 0.06:11.77E, 0.06, h35km,

ML3.8/28, Error ellipse: s-maj=7.1km s-min=4.3km az=331.0, ISCJB 06 04:16:09.7-0.2, 38.54N, 0.03:12.07E:0.03, h12km, mb3.9/9, MS2.4/1, Error ellipse: s-maj=4.5km s-min=2.3km az=36.8, IDC 06 04:16:09.8-0.9, 38.47N, 12.03E, h0km, mb3.6/8, mb1.3/6/14, mb1mx3.5/41, mbtmp3.5/14, ML3.6/4, MS2.7/2, Ms1.2/72, ms1mx2.3/36, Error ellipse: s-maj=19.0km s-min=15.5km az=107.0, LDG 06 04:16:14.3-0.1, 38.48N, 12.24E, h30km, ML3.4/16, Error ellipse: s-maj=9.5km s-min=2.1km az=44.0, ISC 06 04:16:10.9-0.6, 38.51N, 0.03:12.16E:0.03, h12km, n117, #2521/131, mb3.7/9, Sicily

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ustica, Monte Finestre, Costa Raja, Monte Pellegrini, Magaglia, Corleone, Solunto, Calabellotta, Mte Cammarata, Alia.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Gibilmanna, Petralia Sopra, Favara, Pantelleria Cu, Alicudi, Licata, San Fratello, Valguarnera, Gagliano Caste, Capo d'Orlando.

Table with columns for station name, frequency, and other parameters. Includes stations like MCPD, RAFF, MUCR, and HAGA.

Table with columns for station name, frequency, and other parameters. Includes stations like HAGA, SSS, DGI, TAMR, and MCRV.

Table with columns for station name, frequency, and other parameters. Includes stations like TORD, ZALV, MKAR, SONM, YKA, ILAR, and TTT.

Table with columns: WSSB, Gushan, 1.09 261, Pn, 04 17 32.8 +1.7, etc. Lists various station identifiers and their associated data.

Table with columns: TWY, Chenhua, 2.45 4, P, P, 04 17 52.5 -1.6, etc. Lists station identifiers and data, including a section for IDC 06:04:21:27.3:3.5, 6.53S:149.02E, h0km, mb3.5/1, etc.

Table with columns: ISCJB 06:04:42:44.2:0.3, 5.45S:0.06:151.98E:0.08, h45km, etc. Lists station identifiers and data, including a section for IDC 06:04:42:45.0:0.5, 5.57S:0.06:152.20E:0.09, h45km, n71, etc.

PRAR RASCA	81.85 319	iP	P	05 17 25.0 +1.0	comp=Z,14um,21.0s	LVZ Lovozero	84.17 340	iP	P	05 17 36.0 +0.4	JAVC		ePP	PP	05 21 22.8 +3.1	
KTHA Kythira Island	81.87 307	P	P	05 17 24.1 -0.3		LVZ					JAVC		eS	S	05 28 36.5 +1.8	
SBA Scott Base	81.89 169	eP	P	05 17 24.0 +0.3	comp=Z,80nm,1.0s	Billino	84.18 20	eP	P	05 17 35.6 0.0	ARCES ARCESS Array B	87.86 340	eS	S	05 17 54.6 +0.8	
SBA	comp=Z,116nm,1.3s	LR	LR		comp=Z,234nm,1.9s	BILL					ARCES	comp=Z,12nm,0.9s,baz=102,slow=4,0,SNR=66	eP	PP	05 21 15.7 -4.2	
SBA	comp=Z,8um,22.0s					BILL	84.18 20	eP	P	05 17 35.6 0.0	ARCES	comp=Z,13um,20.4s,baz=102,slow=39	LR	LR	06 01 40.5	
SBA	comp=Z,116nm,1.3s	MLR	MLR			BILL					AREO ARCESS Array S	87.86 340	PFAKE	LR	05 18 10.0 +1.6	
OUR Durand	81.91 311	P	P	05 17 24.2 -0.2		BILL	84.18 20	eP	P	05 17 35.2 -0.4	AREO	comp=Z,700nm,20.0s	LR	LR		
DIR Didima	81.95 308	P	P	05 17 23.4 -1.4		BILL					AREO	comp=Z,2700nm,20.0s	LR	LR		
VLI Veliai	82.05 308	P	P	05 17 24.1 -1.2		BILL					AREO ARCESS Array S	87.86 340	eP	P	05 17 54.4 +0.8	
PLVB Pleven	82.06 314	iP	P	05 17 25.7 +0.5		BILL					MODS Modra-Piesok	87.96 319	eP	P	05 17 54.4 -0.3	
NVR Neurokopi	82.20 312	P	P	05 17 25.0 -0.5	comp=Z,41nm,1.1s	VSU Vasula	84.38 330	eP	P	05 17 37.0 +0.3	MODS	comp=Z,2350nm,2.5s	pmx	pmx		
VOIR VOIR	82.20 317	iP	P	05 17 25.1 -0.9	comp=Z,254nm,1.1s	VSU Vasula	84.38 330	eP	P	05 17 40.0	MODS					
VOIR	82.20 317	P	P	05 17 25.3 -0.7		VSU					MODS					
VOIR	comp=Z,33nm,1.4s	pmx	pmx		comp=Z,202nm,0.9s	VSU					MORC Moravsky Berou	87.96 320	PFAKE	LR	05 18 10.0 +1.5	
PGB Panagyurishte	82.22 314	iP	P	05 17 26.0 -0.1		MDVR Moldovita	84.39 315	iP	P	05 17 37.7 +0.5	MORC	comp=Z,4um,20.0s				
TSUM Tsumeb	82.27 251	eP	P	05 17 27.5 +0.5		OHR Ohrid	84.43 312	iP	P	05 17 34.7 -2.8	MORC	Moravsky Berou	87.96 320	iP	P	05 17 55.2 +0.5
TSUM	comp=Z,30nm,1.2s					TRPA Tarpa	84.45 319	iP	P	05 17 38.3 +0.9	MORC	Moravsky Berou	87.96 320	iP	P	05 17 55.5 +0.8
PLG Polygyros	82.32 311	P	P	05 17 25.8 -0.9		TRPA Tarpa	84.45 319	eP	P	05 17 38.0 +0.7	MORC	comp=Z,39nm,1.2s	pmx	pmx		
LKR Lokris	82.34 310	P	P	05 17 25.4 -1.4		TRPA Tarpa	84.45 319	iP	P	05 28 03.1 +0.9	MORC	Moravsky Berou	87.96 320	iP	P	05 17 55.5 +0.8
VLAD Vladia	82.34 315	eP	P	05 17 26.1 -0.5		TRPA Tarpa	84.45 319	iP	P	05 17 36.7 -0.4	MORC		ePP	PP	05 21 22.6 +1.4	
SRS Serrai	82.35 312	P	P	05 17 25.5 -1.3		TRPA Tarpa	84.45 319	iP	P	05 20 48.6	MORC		eS	PP	05 28 36.8 +0.2	
SRS	comp=Z,44nm,1.1s	pmx	pmx			TRPA Tarpa	84.45 319	iP	P	05 22 48.3	MORC		eS	PP	05 17 54.3 -0.8	
ARR Arges	82.47 316	iP	P	05 17 27.2 -0.2		TRPA Tarpa	84.45 319	iP	P	05 22 58.0 -3.7	MORC		eS	PP	05 21 23.3 -0.2	
SOH Sokhos	82.47 312	P	P	05 17 27.1 -0.4		TRPA Tarpa	84.45 319	iP	P	05 28 20.4	MORC		eS	PP	05 28 36.9 -0.5	
SOH Sokhos	82.47 312	P	P	05 17 26.6 -0.9		TRPA Tarpa	84.45 319	iP	P	05 33 39.0 +6.5	MORC		ePP	PP	05 21 23.2 +1.3	
BURAR Bucovina Array	82.50 319	iP	P	05 17 29.0 +1.1		TRPA Tarpa	84.45 319	iP	P	05 37 01.0	MORC		eS	PP	05 28 36.7 -0.5	
WX Vachokershte	82.60 308	P	P	05 17 27.8 -0.5	comp=Z,100nm,12.0s	IGT Igomunita	84.53 310	P	P	05 17 37.9 -0.1	MORC		eS	PP	05 17 57.8 +2.6	
DSF Desina	82.66 309	P	P	05 17 26.8 -1.7		IGT Igomunita	84.53 310	P	P	05 17 38.0 -0.1	MORC		eS	PP	05 17 53.0 -2.2	
MPEP Malo Peshtene	82.68 314	P	P	05 17 28.8 +0.3		MIDW Midway	84.59 61	eP	P	05 17 39.0 +0.5	MORC		eS	PP	05 28 40.1 +2.5	
WIN Windhoek	82.68 248	PFAKE	LR	05 17 40.0 +1.1	comp=Z,52nm,0.9s	BZS Buzias	84.60 316	iP	P	05 17 38.4 +0.2	MORC		eS	PP	05 17 55.0 -0.3	
WIN	comp=Z,17um,18.0s	LR	LR			BZS Buzias	84.60 316	P	P	05 17 38.5 +0.2	MORC	comp=Z,5um,21.0s	eP	PP	05 17 55.0 -0.3	
WIN	comp=Z,24nm,1.2s	pmx	pmx			BZS Buzias	84.60 316	P	P	05 17 38.5 +0.2	MORC	comp=Z,169nm,1.1s	MLR	MLR		
MICGM Minsk	82.69 326	iP	P	05 17 28.0 -0.2	comp=Z,37nm,1.1s	KWP Kalwaria Pacia	84.63 320	eP	P	05 17 38.0 -0.3	MORC	comp=Z,5um,21.0s	P	P	05 17 56.6 0.0	
MICGM	comp=Z,0.3nm,1.0s	PM	PM	05 17 29.0 -0.2		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	SOP	PM	PM	05 17 56.6 0.0	
MICGM	comp=Z,2.6nm,12.0s	PM	PM	05 17 29.0		KWP Kalwaria Pacia	84.63 320	LMZ	LMZ	05 58 51.0	MORC	SOP	PM	PM	05 17 56.6 0.0	
MICGM	comp=Z,2.6nm,12.0s	eP	PP	05 17 35.0 -1.6	comp=Z,5um,23.1s	KWP Kalwaria Pacia	84.63 320	PFAKE	LR	05 17 50.0 +1.2	MORC	SOP	PM	PM	05 17 55.1 -1.5	
MICGM	comp=Z,2.6nm,12.0s	ePP	PP	05 20 24.0 -1.4		KWP Kalwaria Pacia	84.63 320	PFAKE	LR	05 17 50.0 +1.2	MORC	SOP	PM	PM	05 28 41.1 +0.8	
MICGM	comp=Z,2.6nm,12.0s	ePPP	PP	05 22 30.0	comp=Z,28um,21.0s	KWP Kalwaria Pacia	84.63 320	eP	P	05 17 38.0 -0.3	MORC	KOGS Kog	88.42 317	iP	P	05 17 57.6 +0.7
MICGM	comp=Z,2.6nm,12.0s	eS	PP	05 27 40.0 -4.1		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	KTK1 Kautokine	88.52 339	eP	P	05 17 57.4 +0.5
MICGM	comp=Z,2.6nm,12.0s	eSS	PP	05 28 20.0 -1.6	comp=Z,5um,23.1s	KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 57.4 +0.1
MICGM	comp=Z,2.6nm,12.0s	eSSS	SS	05 35 40.0 -4.1		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 58.8 +1.5
MICGM	comp=Z,2.6nm,12.0s	eLQ	LQ	05 45 22.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 57.8 +0.5
MICGM	comp=Z,2.6nm,12.0s	LQ	LQ	05 55 34.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 21 27.7 +2.0
MICGM	comp=N,11nm,22.0s	LQ	LQ	05 55 40.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 41.6 -0.2
MICGM	comp=N,17nm,22.0s	LQ	LQ	05 55 40.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 41 16.7
MICGM	comp=N,17nm,22.0s	eLR	LR	05 56 22.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 57.0 0.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 41.7 -0.6
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	06 04 16.3
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 57.6 0.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 41.7 -0.6
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 58.4 +0.6
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 58.3 +0.5
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 21 28.6 +2.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 42.7 0.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 41 20.4
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 10.0 +1.2
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 57.7 -0.2
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 00.0 +1.3
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 09.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.2 +0.6
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	06 05 30.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 58.9 -0.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 17 60.0 +1.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.2 +0.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	06 01 11.6
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 00.0 +1.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.3 +0.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 00.0 +1.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.3 +0.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 00.0 +1.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.3 +0.1
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 18 00.0 +1.0
MICGM	comp=N,17nm,22.0s	LRM	MLR	06 00 44.0		KWP Kalwaria Pacia	84.63 320	eS	S	05 28 03.2 -0.8	MORC	VRAC Vranov	88.52 319	iP	P	05 28 45.3 +0.1

RC01	comp=Z,10um,19.0s	Rabbit Creek A	102.34	28	PFAKE	LR	05 19 10.0 +10
ILAR	comp=Z,6um,19.0s	Eielson Array	102.47	24	Pdfif	PP	05 18 59.3 -1.3
ILAR	comp=Z,1.1nm,0.8s,baz=289,slow=5.0,SNR=10				PP	PP	05 23 00.3 -1.3
ILAR	comp=Z,4.8nm,1.0s,baz=294,slow=7.5,SNR=6.8				PKKpbc	PKKpbc	05 35 01.8 -2.3
ILAR	comp=Z,0.9nm,0.8s,baz=117,slow=2.8,SNR=5.8				PKKpab	PKKpab	05 35 23.8 +1.3
PMR	comp=Z,1.0nm,0.8s,baz=132,slow=1.6,SNR=4.7	Palmer	102.48	27	PFAKE	LR	05 19 10.0 +9.4
HDA	comp=Z,8um,19.0s	Harding Lake	102.56	24	PFAKE	LR	05 19 10.0 +9.0
DSB	comp=Z,5um,20.0s	Dublin	102.72	324	PFAKE	LR	05 19 10.0 +8.1
SEW	comp=Z,5um,20.0s	Seward	102.74	29	PFAKE	LR	05 19 10.0 +8.2
DHY	comp=Z,8um,20.0s	Denali Highway	102.81	26	PFAKE	LR	05 19 10.0 +7.7
KNK	comp=Z,6um,20.0s	Knik Glacier	102.84	27	PFAKE	LR	05 19 10.0 +7.7
ESDC	comp=Z,8um,18.0s	Sonsec Array	103.25	310	PP	PP	05 23 11.0 -9.0
ESLA	comp=Z,2.1nm,1.0s,baz=64,slow=7.0,SNR=4.4	Sonsec Array	103.25	310	PFAKE	LR	05 19 20.0 +15
KHLH	comp=Z,3um,20.0s	Kahului Airpor	103.35	69	PFAKE	LR	05 19 20.0 +15
HLK	comp=Z,4um,22.0s	Haleakala	103.52	70	PFAKE	LR	05 19 20.0 +13
SCO	comp=Z,5um,22.0s	Scoresbysund	103.53	343	PFAKE	LR	05 19 20.0 +15
PAB	comp=Z,5um,22.0s	San Pablo	103.56	310	PFAKE	LR	05 19 20.0 +14
GLI	comp=Z,2um,20.0s	Glacier Island	103.63	28	PFAKE	LR	05 19 20.0 +14
PAX	comp=Z,8um,18.0s	Paxson	103.67	25	PFAKE	LR	05 19 20.0 +14
KHLU	comp=Z,8um,20.0s	Kahalu u	103.89	71	PFAKE	LR	05 19 20.0 +12
DOT	comp=Z,4um,22.0s	Dot Lake	104.02	25	PFAKE	LR	05 19 20.0 +12
HPAH	comp=Z,6um,18.0s	Hawaii Prepara	104.06	70	PFAKE	LR	05 19 20.0 +11
MLOA	comp=Z,4um,21.0s	Mauna Loa Obse	104.19	71	PFAKE	LR	05 19 20.0 +10
POHA	comp=Z,4um,21.0s	Pohakuiaoa	104.22	71	PFAKE	LR	05 19 20.0 +10
EYAK	comp=Z,4um,22.0s	Cordova Ski Ar	104.36	28	PFAKE	LR	05 19 20.0 +11
MENT	comp=Z,10um,19.0s	Mentasta	104.43	25	PFAKE	LR	05 19 20.0 +11
MDT	comp=Z,8um,21.0s	Midelt	104.50	303	PP	PP	05 23 26.0 -3.6
EGAK	comp=Z,1.7nm,0.9s,baz=76,slow=15,SNR=3.3	Eagle	104.74	23	PFAKE	LR	05 19 20.0 +9.3
HMT	comp=Z,8um,18.0s	Hamilton	105.13	28	PFAKE	LR	05 23 40.0 +13
SFS	comp=Z,11um,20.0s	San Fernando	105.40	307	PFAKE	LR	05 23 40.0 +12
EPYK	comp=Z,3um,20.0s	Eagle Plains	105.66	21	PFAKE	LR	05 23 40.0 +12
EPYK	comp=Z,14um,19.0s	Eagle Plains	105.66	21	P	PKIKP	05 23 28.6 +0.9
INK	comp=Z,1.7nm,0.9s,baz=299,slow=6.7,SNR=4.2	Inuvik	105.72	18	Pdfif	Pdfif	05 19 15.8 +0.9
INK	comp=Z,4.6nm,0.9s,baz=334,slow=9.5,SNR=3.5	Inuvik	105.72	18	PKIKP	PKIKP	05 23 23.6 -4.0
INK	comp=Z,0.9nm,0.8s,baz=116,slow=8.7,SNR=2.9	Inuvik	105.72	18	PFAKE	LR	05 23 40.0 +12
DAWY	comp=Z,13um,19.0s	Dawson	105.74	23	PFAKE	LR	05 23 40.0 +12
BALM	comp=Z,8um,22.0s	Baldy	105.75	27	PFAKE	LR	05 23 40.0 +12
MTE	comp=Z,8um,20.0s	Manteigas	105.87	311	PFAKE	LR	05 23 40.0 +11
RTC	comp=Z,3um,20.0s	Rabat Centre	106.24	304	PFAKE	LR	05 23 40.0 +10
SUMG	comp=Z,16um,18.0s	Summit	106.34	348	ePdf	Pdfif	05 19 17.6 -0.6
SUMG	comp=Z,7um,20.0s	Summit	106.34	348	i P	Pdfif	05 19 18.8 +0.7
SUMG	comp=Z,17um,19.0s	Summit	106.34	348	i P	Pdfif	05 19 18.8 +0.7
COI	comp=Z,2um,20.0s	Coimbra	106.55	311	PFAKE	LR	05 23 40.0 +10
TULEG	comp=Z,7um,20.0s	Thule	106.58	367	PFAKE	LR	05 23 40.0 +11
MESJ	comp=Z,3um,27.3s	Messejana	106.80	308	eP	Pdfif	05 19 20.7 +0.3
ALMR	comp=E,3um,27.3s	Almeirim	106.86	310	eP	AMS	05 23 46.4 -0.3
TBI	comp=E,3um,14.8s	Tubuai	106.94	115	eP	PP	05 23 42.9 -4.8
TBI	comp=E,4um,28.5s	Tubuai	106.94	115	eP	SS	05 33 06.0 -2.6
TBI	comp=E,15um,22.8s	Pinnacle	107.07	27	PFAKE	LR	05 23 40.0 +9.5
MORF	comp=Z,8um,20.0s	Marmelete	107.22	308	eP	AMS	05 23 49.0 -0.5
LIS	comp=E,3um,23.4s	Lisbon	107.37	309	eP	AMS	05 23 50.2 -0.3
PVFI	comp=N,3um,19.6s	Vila Bisbo	107.38	308	PFAKE	LR	05 23 40.0 +8.3
BCPM	comp=Z,4um,21.0s	Bancas Point	107.41	27	PFAKE	LR	05 23 40.0 +8.9
YKUZ	comp=Z,6um,21.0s	Yakutat	107.58	28	PFAKE	LR	05 23 40.0 +8.7
KULLO	comp=Z,6um,19.0s	Kullorsuaq	107.59	354	i P	Pdfif	05 19 23.6 +0.5
KULLO	comp=Z,12um,20.0s	Kullorsuaq	107.59	354	i P	Pdfif	05 19 23.6 +0.5

PPT2	comp=Z,12um,20.0s	Papeete2	107.87	110	ePdf	Pdfif	05 19 27.4 +1.7
PPT2	comp=Z,309nm,27.2s	Papeete2	107.87	110	eP	PP	05 23 44.5 -9.2
PPT2	comp=Z,695nm,26.2s	Papeete2	107.87	110	eSdif	SS	05 31 24.5 -5.6
PPT2	comp=Z,5um,25.8s	Papeete2	107.87	110	ePS	PS	05 33 14.8 -3.7
PPT2	comp=Z,7um,29.0s	Papeete2	107.87	110	eSS	SS	05 39 01.4 -4.7
PPT2	comp=Z,2um,23.8s	Papeete2	107.87	110	eLR	LR	05 54 43.4
HYT	comp=Z,9um,24.5s	Haines Junctio	107.98	26	PFAKE	LR	05 23 40.0 +7.7
RES	comp=Z,6um,20.0s	Resolute Bay	108.11	4	PFAKE	LR	05 23 40.0 +8.0
WHY	comp=Z,8um,19.0s	Whitehorse	109.20	25	PFAKE	LR	05 23 50.0 +15
SKAG	comp=Z,7um,22.0s	Skagway	109.58	27	PFAKE	LR	05 23 50.0 +15
BESE	comp=Z,10um,20.0s	Bessie Mountai	110.22	27	PFAKE	LR	05 23 50.0 +14
JIS	comp=Z,8um,21.0s	Juneau Island	110.59	28	PFAKE	LR	05 23 50.0 +13
ANGG	comp=Z,9um,19.0s	Ammassalik, Gr	111.15	343	PFAKE	LR	05 23 50.0 +12
PMSA	comp=Z,6um,21.0s	Palmer Station	111.15	187	PFAKE	LR	05 23 50.0 +12
ILULI	comp=Z,9um,22.0s	Ilulissat	111.53	349	PFAKE	LR	05 23 50.0 +11
HOPE	comp=Z,12um,21.0s	Hope Point	112.46	206	PFAKE	LR	05 23 50.0 +9.3
DLBC	comp=Z,5um,19.0s	Dease Lake	112.47	26	PFAKE	LR	05 23 50.0 +9.3
WRAK	comp=Z,7um,20.0s	Wrangell Islan	112.47	29	PFAKE	LR	05 23 50.0 +9.3
SFJD	comp=Z,7um,20.0s	Kangerlussuaq	113.34	348	PFAKE	LR	05 23 50.0 +8.0
DIB	comp=Z,7um,21.0s	Dawson Inlet,	114.02	32	PFAKE	LR	05 24 00.0 +16
ASCN	comp=Z,4um,22.0s	Ascension	114.11	260	PFAKE	LR	05 24 00.0 +15
YKW3	comp=Z,7um,20.0s	Yellowknife Ar	115.39	17	ePKP	PKIKP	05 23 45.3 -0.7
YKA	comp=Z,8um,20.0s	Yellowknife Ar	115.44	17	PKP	PKIKP	05 23 45.8 -0.4
YKA	comp=Z,4.4nm,0.9s,baz=326,slow=7.5,SNR=6.1	YKA			PKKpbc	PKKpbc	05 34 20.4 -1.9
YKA	comp=Z,0.2nm,0.5s,baz=142,slow=3.4,SNR=2.5	YKA			PKKpab	PKKpab	05 34 27.0 +1.2
NRS	comp=Z,0.9nm,0.9s,baz=145,slow=2.9,SNR=5.4	Narsarsuaq	116.81	342	PFAKE	LR	05 24 00.0 +11
BBB	comp=Z,6um,18.0s	Bella Bella	116.81	31	PFAKE	LR	05 24 00.0 +11
IVI	comp=Z,5um,21.0s	Ivigut	117.58	344	PFAKE	LR	05 24 00.0 +10
TAOE	comp=Z,8um,18.0s	Nuku Hiva Isla	118.32	102	eP	PP	05 24 57.0 -12
TAOE	comp=Z,590nm,26.6s	Nuku Hiva Isla	118.32	102	eSS	SS	05 41 18.3 -6.7
TAOE	comp=Z,5um,27.3s	Nuku Hiva Isla	118.32	102	eLR	LR	05 59 44.0
RKT	comp=Z,4um,22.0s	Rikitea	119.89	119	eSdif	Sdif	05 33 10.5 +0.5
RKT	comp=Z,2um,25.8s	Rikitea	119.89	119	ePS	PS	05 35 08.9 -1.0
RKT	comp=Z,2um,25.8s	Rikitea	119.89	119	eSS	SS	05 41 39.8 -4.3
RKT	comp=Z,5um,28.2s	Rikitea	119.89	119	eLR	LR	06 00 27.2
CMLA	comp=Z,12um,26.2s	Cha da Macela	120.03	312	PFAKE	LR	05 24 10.0 +14
LLL	comp=Z,3um,19.0s	Lilloet	120.91	30	PFAKE	LR	05 24 10.0 +13
ROSA	comp=Z,7um,18.0s	Rosais	121.64	314	PFAKE	LR	05 24 10.0 +11
NLWA	comp=Z,4um,20.0s	Neilton Lookou	121.77	34	PFAKE	LR	05 24 10.0 +11
D03D	comp=Z,4um,19.0s	Eldon	122.12	34	P	PKIKP	05 23 59.8 +0.1
B05A	comp=Z,3um,20.0s	Bryant	122.23	32	P	PKIKP	05 23 59.8 -0.1
EFI	comp=Z,4um,20.0s	East Falkland	122.28	196	PFAKE	LR	05 24 10.0 +10
E03A	comp=Z,4um,20.0s	Lebam	122.42	35	PFAKE	LR	05 24 10.0 +10
D04E	comp=Z,4um,21.0s	Lakebay	122.50	34	P	PKIKP	05 24 00.9 +0.5
D05A	comp=Z,5um,20.0s	Enumclaw	122.93	33	PFAKE	LR	05 24 10.0 +8.7
E04D	comp=Z,5um,20.0s	Cinebar	122.98	34	P	PKIKP	05 24 01.4 0.0
F04D	comp=Z,3um,20.0s	Rainier, OR	123.00	35	P	PKIKP	05 24 01.6 +0.1
LOL	comp=Z,3um,20.0s	Longmire	123.29	34	PFAKE	LR	05 24 10.0 +7.9
G03D	comp=Z,3um,20.0s	McMinnville, O	123.35	36	P	PKIKP	05 24 02.5 +0.3
FCC	comp=Z,9um,18.0s	Fort Churchill	123.52	9	PFAKE	LR	05 24 10.0 +8.0
LTY	comp=Z,9um,18.0s	Liberty	123.60	33	PFAKE	LR	05 24 10.0 +7.3
I02D	comp=Z,6um,21.0s	Swisshome	123.62	37	P	PKIKP	05 24 03.4 +0.7
COR	comp=Z,3um,20.0s	Corvalls	123.68	36	PFAKE	LR	05 24 10.0 +7.2
SACV	comp=Z,5um,21.0s	Santiago Islan	123.79	286	PFAKE	LR	05 24 20.0 +16
KEBM	comp=Z,5um,19.0s	Edson Butte	123.98	39	PFAKE	LR	05 24 20.0 +16
F05D	comp=Z,4um,19.0s	White Salmon	124.00	34	P	PKIKP	05 24 03.7 +0.2
H04D	comp=Z,3um,20.0s	Lebanon	124.05	36	P	PKIKP	05 24 03.9 +0.4
J01E	comp=Z,4um,19.0s	Myrtle Point	124.08	38	P	PKIKP	05 24 04.3 +0.7
I03D	comp=Z,3um,20.0s	Drain, OR	124.14	37	P	PKIKP	05 24 04.8 +1.0
H04A	comp=Z,4um,22.0s	Detroit Lake	124.28	36	PFAKE	LR	05 24 20.0 +16
G05D	comp=Z,4um,22.0s	Wamic, OR	124.46	35	P	PKIKP	05 24 04.6 +0.2
K02D	comp=Z,6um,21.0s	Willamette Mer	124.49	39	P	PKIKP	05 24 04.7 0.0
C09A	comp=Z,6um,18.0s	William Ranch	124.52	31	PFAKE	LR	05 24 20.0 +16
I04A	comp=Z,4um,19.0s	Tendick Farm,	124.65	37	P	PKIKP	05 24 05.1 +0.2
D08A	comp=Z,6um,19.0s	Wanland Farm,	124.66	32	PFAKE	LR	05 24 20.0 +15

D08A	comp=Z,3um,20.0s	Hanford	124.75	33	PFAKE	LR	05 24 20.0 +15
HAWA	comp=Z,4um,19.0s	Newport	124.79	30	PFAKE	LR	05 24 20.0 +15
NEW	comp=Z,6um,18.0s	Newport	124.79	30	P	PKP	05 24 04.9 +0.2
L02E	comp=Z,2um,20.0s	Cave Junction	124.82	39	P	PKIKP	05 24 05.2 0.0
F07A	comp=Z,6um,21.0s	Phinny Hill Vi	124.84	34	PFAKE	LR	05 24 20.0 +15
G06A	comp=Z,6um,21.0s	Carlson Farm,	124.85	35	PFAKE	LR	05 24 20.0 +15
E08A	comp=Z,5um,20.0s	Dider Farm, El	124.95	32	PFAKE	LR	05 24 20.0 +15
I05D	comp=Z,4um,22.0s	Terrebonne, OR	124.97	36	P	PKIKP	05 24 05.9 +0.4
HUMO	comp=Z,3um,20.0s	Hull Mountain	124.98	38	PFAKE	LR	05 24 20.0 +14
J04D	comp=Z,4um,19.0s	Umpqua Nationa	125.15	37	P	PKIKP	05 24 06.5 +0.4
JCC	comp=Z,3um,19.0s	Jacoby Creek,	125.24	41	PFAKE	LR	05 24 20.0 +14
GO09	comp=Z,6um,20.0s	Cerro Castillo	125.30	185	PFAKE	LR	05 24 20.0 +14
KHMM	comp=Z,7um,19.0s	Horse Mountain	125.41	40	PFAKE	LR	05 24 20.0 +13
E09A	comp=Z,6um,19.0s	Wood Farm, Sta	125.42	32	PFAKE	LR	05 24 20.0 +14
PINE	comp=Z,4um,21.0s	Pine Mountain	125.53	36	PFAKE	LR	05 24 20.0 +13
FFC	comp=Z,5um,21.0s	Flin Flon	125.56	16	ePKP	PKP	05 24 05.8 -0.1
L04D	comp=Z,5um,21.0s	Flin Flon	125.56	16	i PKIKP	PKIKP	05 24 06.1 -0.2

WAKR	Walker	129.47	41	PFAKE	LR	05 24 30.0 +15	AGMN	Agassiz Nation	133.00	15	PFAKE	LR	05 24 30.0 +8.6	PV22	comp=2.6um,19.0s	LR	LR				
WAKR	Walker						AGMN	comp=2.8um,20.0s						PV04	Paradox Valley	135.93	34	PFAKE	LR	05 24 40.0 +12	
BMMN	Battle Moutai	129.75	37	PFAKE	LR	05 24 30.0 +15	AGMN	Agassiz Nation	133.00	15	P	PKPdf	05 24 19.9 -0.3	PV04	comp=2.7um,20.0s						
RYN	Ryan	130.00	40	PFAKE	LR	05 24 30.0 +14	GSC	Goldstone, Bar	133.01	43	PFAKE	LR	05 24 30.0 +8.0	PV19	Morning Glory	135.95	34	PFAKE	LR	05 24 40.0 +12	
KVN	Kaiserville	130.02	39	PFAKE	LR	05 24 30.0 +14	GSC	Goldstone, Bar	133.01	43	P	PKIKP	05 24 21.9 -0.1	PV16	comp=2.6um,20.0s	Nyswonger Mesa	135.99	34	PFAKE	LR	05 24 40.0 +12
MDPB	Devils Postpil	130.19	42	PFAKE	LR	05 24 30.0 +14	SHOC	Shoshone, Teco	133.03	42	P	PKPdf	05 24 20.2 -0.5	PV11	David Mesa, Pa	136.02	34	PFAKE	LR	05 24 40.0 +12	
MDPB	Devils Postpil						RRX	Edison Barstow	133.12	43	P	PKPdf	05 24 20.5 -0.4	PV11	comp=2.8um,20.0s	Skein Mesa, Pa	136.03	34	PFAKE	LR	05 24 40.0 +12
DGMT	Dagmar	130.25	21	PFAKE	LR	05 24 30.0 +14	CHGQ	Chibougamau	133.35	355	P	PKPdf	05 24 20.6 -0.3	PV18	comp=2.7um,20.0s	Paradox Valley	136.04	33	PFAKE	LR	05 24 40.0 +12
DGMT	Dagmar						SHPR	Sheep Range	133.40	40	PFAKE	LR	05 24 30.0 +7.2	PV07	comp=2.5um,18.0s	Paradox Valley	136.06	34	PFAKE	LR	05 24 40.0 +12
NVAR	Minna Array Bea	130.25	40	P	PKPdf	05 24 15.4 +0.3	BBRC	Big Bear Solar	133.50	44	P	PKIKP	05 24 22.6 -0.6	PV03	comp=2.7um,20.0s	Pierce - Schro	136.14	12	P	PKPdf	05 24 26.1 -0.1
NVAR	Minna Array Bea						HUQ	Turquoise Moun	133.52	43	P	PKPdf	05 24 21.8 0.0	F38A	comp=2.7um,20.0s	Lac Vacive, Po	136.36	358	P	PKPdf	05 24 26.0 -0.5
OMMB	Old Mammoth Mi	130.25	41	PFAKE	LR	05 24 30.0 +13	TEC	Hector Ludlow	133.59	42	P	PKIKP	05 24 23.4 +0.3	PV13	comp=2.6um,20.0s	Radium Mtn., P	136.15	34	PFAKE	LR	05 24 40.0 +12
OMMB	Old Mammoth Mi						MURC	Murrieta	133.67	45	P	PKIKP	05 24 23.0 -0.2	PV13	comp=2.6um,20.0s	comp=2.6um,20.0s					
NV11	Minna Array Sit	130.34	40	PFAKE	LR	05 24 30.0 +13	MATQ	Matagami	133.68	358	P	PKPdf	05 24 21.3 -0.2	D49A	comp=2.6um,20.0s	comp=2.6um,20.0s	136.16	2	P	PKPdf	05 24 25.3 -0.9
MLAC	Mammoth, Mammt	130.35	41	P	PKIKP	05 24 16.3 -0.4	RSSD	Black Hills	133.91	25	ePKPpre	LR	05 24 13.7	F37A	Hinrichs Farm	136.20	13	P	PKPdf	05 24 26.4 +0.1	
PAGB	Antelope Grade	130.41	44	PFAKE	LR	05 24 30.0 +13	RSSD	Black Hills	133.91	25	P	PKPdf	05 24 21.8 -0.6	D48A	Paudash Townsh	136.24	2	P	PKPdf	05 24 26.0 -0.3	
DRLN	Deer Lake	130.52	341	PFAKE	LR	05 24 30.0 +14	K22A	Casper	133.99	28	PFAKE	LR	05 24 30.0 +6.2	D54A	Lac Fusel, La	136.24	357	P	PKPdf	05 24 26.5 +0.1	
LKWY	Lake	130.70	29	PFAKE	LR	05 24 30.0 +13	K22A	comp=2.5um,20.0s	133.99	28	P	PKPdf	05 24 22.0 -0.5	D47A	Chapleau	136.29	4	P	PKPdf	05 24 26.4 -0.1	
VOG	Valley Oaks Go	130.70	43	P	PKIKP	05 24 17.0 -0.1	GMRC	Granite Mounta	134.08	43	P	PKIKP	05 24 24.5 +0.3	D50A	G1974 Best Tow	136.30	0	P	PKPdf	05 24 25.9 -0.5	
ELK	Elko	130.74	36	PFAKE	LR	05 24 30.0 +13	109C	Camp Elliot, M	134.11	46	P	PKIKP	05 24 23.7 -0.4	PV01	comp=2.6um,20.0s	Paradox Valley	136.30	34	PFAKE	LR	05 24 40.0 +11
H17A	Grant Village	130.74	29	PFAKE	LR	05 24 30.0 +13	CPE	Camp Elliot	134.14	46	PFAKE	LR	05 24 30.0 +5.9	Y14A	comp=2.6um,20.0s	Wickenburg	136.35	42	PFAKE	LR	05 24 40.0 +11
H17A	Grant Village						PFO	comp=2.3um,22.0s	134.18	44	ePKPdf	LR	05 24 22.0 -1.1	D53A	comp=2.3um,22.0s	Lac Vacive, Po	136.36	358	PFAKE	LR	05 24 40.0 +12
SMMC	Simmler	130.80	45	P	PKPdf	05 24 16.1 -0.5	PFO	Pinyon Flats O	134.18	44	ePKIKP	MLR	05 24 22.0 -1.1	D53A	comp=2.6um,19.0s	Lac Vacive, Po	136.36	358	P	PKPdf	05 24 26.0 -0.5
RLMT	Red Lodge	130.82	28	PFAKE	LR	05 24 30.0 +13	PFO	Pinyon Flats O	134.18	44	P	PKIKP	05 24 24.2 -0.2	F39A	Loretta	136.38	12	P	PKPdf	05 24 26.3 -0.4	
RLMT	Red Lodge						LDFC	Landfair	134.28	42	PFAKE	LR	05 24 40.0 +15	D46A	Sault St. Mari	136.39	5	P	PKPdf	05 24 26.7 0.0	
FLWY	Flagg Ranch	130.90	30	PFAKE	LR	05 24 30.0 +12	BELC	Belle Mtn. Jos	134.29	44	P	PKIKP	05 24 24.6 0.0	SMCO	Snowmass	136.40	31	PFAKE	LR	05 24 40.0 +11	
IMW	Indian Meadow	130.92	30	PFAKE	LR	05 24 30.0 +12	EYMN	Ely	134.32	11	PFAKE	LR	05 24 30.0 +5.9	WUWZ	comp=2.8um,18.0s	Wupatki	136.42	39	PFAKE	LR	05 24 40.0 +11
LAO	LASA Array	130.93	24	PFAKE	LR	05 24 30.0 +13	EYMN	Ely	134.32	11	P	PKPdf	05 24 22.8 +0.1	WUWZ	comp=2.3um,18.0s	Wupatki	136.42	39	P	PKIKP	05 24 28.5 -0.5
LAO	LASA Array						LSQQ	Lebel-sur-Quev	134.35	358	P	PKPdf	05 24 23.4 +0.6	D52A	ZEK Kipawa Sen	136.48	359	P	PKPdf	05 24 26.4 -0.4	
TIN	Tinemaha, Big	131.07	42	P	PKPdf	05 24 17.5 +0.3	RWWY	Rawlins	134.40	29	PFAKE	LR	05 24 40.0 +15	E44A	Grand Marais A	136.48	6	PFAKE	LR	05 24 40.0 +11	
MOOW	Moose Ponds	131.12	30	PFAKE	LR	05 24 30.0 +12	BAR	Barrett	134.53	46	PFAKE	LR	05 24 40.0 +15	E44A	comp=2.9um,20.0s	Grand Marais A	136.48	6	P	PKPdf	05 24 26.6 -0.2
PKM	Nicherson Peak	131.15	45	P	PKIKP	05 24 18.0 -0.4	MONPZ	Monument Peak	134.60	45	P	PKIKP	05 24 25.1 -0.3	HAL	Halifax	136.51	344	PFAKE	LR	05 24 40.0 +11	
ULM	Lac du Bonnet	131.19	14	PKP	PKPdf	05 24 16.3 -0.5	BATG	Bathurst New B	134.67	347	PFAKE	LR	05 24 40.0 +15	113A	Mohawk Valley	136.52	44	PFAKE	LR	05 24 40.0 +11	
ULM	Lac du Bonnet						C40A	Isle Royale Na	134.77	9	PFAKE	LR	05 24 40.0 +15	F40A	comp=2.4um,20.0s	Park Falls	136.53	11	P	PKPdf	05 24 27.0 +0.1
ULM	Lac du Bonnet						C40A	Isle Royale Na	134.77	9	P	PKPdf	05 24 23.4 -0.1	COWI	Conover	136.54	10	PFAKE	LR	05 24 40.0 +11	
TPAW	Teton Pass	131.21	30	PFAKE	LR	05 24 30.0 +12	IRM	Iron Mountain	134.78	43	P	PKIKP	05 24 25.5 0.0	E43A	comp=2.9um,21.0s	Lone Tree Farm	136.59	8	PFAKE	LR	05 24 40.0 +11
SNOW	Snow King Moun	131.33	30	PFAKE	LR	05 24 30.0 +11	NEE2	Needles Airpor	134.78	42	P	PKPdf	05 24 24.2 +0.1	E43A	comp=2.8um,20.0s	Lone Tree Farm	136.59	8	P	PKPdf	05 24 27.0 0.0
CWC	Cottonwood Cre	131.52	42	P	PKIKP	05 24 19.0 0.0	BC3	Big Chuckawall	134.85	44	P	PKIKP	05 24 25.2 -0.5	ISCO	comp=2.7um,20.0s	Idaho Springs	136.62	30	PFAKE	LR	05 24 40.0 +11
AHID	Isabella, Lake	131.67	43	PFAKE	LR	05 24 30.0 +11	IKP	In-K-Pak, Jac	134.95	45	P	PKIKP	05 24 25.8 -0.2	ISCO	comp=2.6um,20.0s	Idaho Springs	136.62	30	P	PKPdf	05 24 27.5 -0.2
ISA	Isabella, Lake	131.67	43	P	PKIKP	05 24 18.9 -0.3	SWSC	Sam W. Stewart	135.01	45	P	PKIKP	05 24 26.0 0.0	SPMN	Marine on St.	136.63	14	PFAKE	LR	05 24 40.0 +11	
GRAC	Grapevine Rang	131.68	41	P	PKIKP	05 24 18.9 -0.2	O20A	White River Ci	135.04	31	PFAKE	LR	05 24 40.0 +14	SPMN	comp=2.7um,20.0s	Marine on St.	136.63	14	P	PKPdf	05 24 27.1 0.0
ARVC	Arvin	131.71	44	P	PKIKP	05 24 19.4 +0.1	O20A	White River Ci	135.04	31	P	PKPdf	05 24 24.9 +0.3	E47A	Iron Bridge	136.88	4	P	PKPdf	05 24 27.4 -0.1	
R11A	Troy Canyon, C	132.02	39	PFAKE	LR	05 24 30.0 +10	W13A	Hualapai Mount	135.07	41	PFAKE	LR	05 24 40.0 +14	E46A	Sault Ste Mari	136.89	5	PFAKE	LR	05 24 40.0 +11	
R11A	Troy Canyon, C						GBN	Guysborough	135.20	342	PFAKE	LR	05 24 40.0 +14	E46A	comp=2.7um,22.0s	Sault Ste Mari	136.89	5	P	PKPdf	05 24 27.4 -0.2
O11A	Ostio Audit: C	132.06	45	PFAKE	LR	05 24 20.0 0.0	U15A	North Rim	135.27	38	PFAKE	LR	05 24 40.0 +13	GGN	Saint George	136.89	347	PFAKE	LR	05 24 40.0 +11	
OSI	Ostio Audit: C	132.06	45	P	PKIKP	05 24 20.3 +0.3	VLDQ	Vai d'Or	135.32	358	PFAKE	LR	05 24 40.0 +14	E48A	Lockeyer	136.92	3	P	PKPdf	05 24 26.4 -1.2	
BLG	Laguna Peak, P	132.08	45	P	PKIKP	05 24 19.7 -0.3	PDMCI	Parker Dam,Lak	135.38	42	P	PKIKP	05 24 26.0 -0.6	E51A	G1948 Merrick	136.93	0	P	PKPdf	05 24 27.2 -0.5	
MPMC	Manual Prospec	132.12	42	P	PKIKP	05 24 20.2 0.0	PLCA	Paso Flores	135.43	190	ePKPpre	PKPpre	05 24 20.9	G39A	Holcombe	136.93	12	P	PKPdf	05 24 27.4 -0.3	
HWUT	Hardware Ranch	132.22	33	PFAKE	LR	05 24 30.0 +10	PLCA	comp=2.0um,0.7s,slow=2.7,SNR=7.1	135.43	190	ePKPpre	PKPpre	05 24 26.8 0.0	ECSB	EROS Data Cent	136.96	18	PFAKE	LR	05 24 40.0 +10	
FURC	Furnace Creek,	132.31	41	P	PKIKP	05 24 19.9 -0.4	PLCA	Paso Flores	135.43	190	ePKPpre	PKPpre	05 24 26.3 -0.5	ECSB	EROS Data Cent	136.96	18	P	PKPdf	05 24 27.4 -0.4	
LRMC	Laurel Mtn Rad	132.31	43	P	PKIKP	05 24 20.2 -0.4	Y12C	Blythe	135.44	43	P	PKPdf	05 24 25.8 +0.6	E54A	Maple Grove Fa	137.00	358	P	PKPdf	05 24 26.4 -1.3	
MDND	Maddock	132.34	18	PFAKE	LR	05 24 30.0 +10	PHWY	Pilot Hill	135.53	28	ePKPdf	LR	05 24 25.1 -0.6	MVCO	Mesa Verde	137.09	35	PFAKE	LR	05 24 40.0 +10	
MDND	Maddock						RCBR	Riachuelo	135.56	258	PFAKE	LR	05 24 40.0 +12	MVCO	comp=2.5um,19.0s	Mesa Verde	137.09	35	P	PKPdf	05 24 28.7 +0.3
EDW2	Edwards Air Fo	132.43	43	P	PKIKP	05 24 20.9 +0.2	SUSD	Miller	135.56	20	P	PKPdf	05 24 24.7 -0.5	E50A	Wahnapitae	137.03	1	P	PKPdf	05 24 27.7 -0.1	
BW06	Boulder Array	132.43	30	PFAKE	LR	05 24 30.0 +9.2	E38A	The Farm, Brul	135.59	12	PFAKE	LR	05 24 40.0 +13	F42A	Maple Grove Fa	137.03	9	P	PKPdf	05 24 27.5 -0.4	
BW06	Boulder Array						E38A	The Farm, Brul	135.59	12	P	PKPdf	05 24 24.4 -0.8	E53A	Dumoine, Ponti	137.06	358	P	PKPdf	05 24 27.5 -0.3	
PDAR	Pinedale Array	132.43	30	P	PKPdf	05 24 19.2 -0.5	N23A	Red Feather La	135.62	29	PFAKE	LR	05 24 40.0 +13	G40A	Rib Lake	137.15	11	PFAKE	LR	05 24 40.0 +10	
PDAR	Pinedale Array						N23A	Red Feather La	135.62	29	PFAKE	LR	05 24 40.0 +13	G40A	comp=2.1um,20.0s	Rib Lake	137.15	11	P	PKPdf	05 24 27.6 -0.5
TPNV	Topopah Spring	132.44	41	PFAKE	LR	05 24 30.0 +9.2	GLA	Glamis	135.63	44	PFAKE	LR	05 24 40.0 +13	E52A	Maple Grove Fa	137.15	379	P	PKPdf	05 24 27.5 -0.6	
DUG	Dugway, Tooele	132.50	35	PFAKE	LR	05 24 30.0 +9.2	GLA	Glamis	135.63	44	P	PKIKP	05 24 26.9 -0.4	PKME	Peaks-Kenny Pk	137.25	349	PFAKE	LR	05 24 40.0 +10	
DUG	Dugway, Tooele						PQI	Presque Isle	135.66	449	PFAKE	LR	05 24 40.0 +13	PKME	comp=2.5um,19.0s	Peaks-Kenny Pk	137.25	349	P	PKPdf	05 24 28.0 -0.2
DECC																					

F49A	baz=355 Sandfield	137.64	3	P	PKPdf	05 24 28.3	-0.7
214A	baz=356 Organ Pipe Nat	137.65	4	P	PKPdf	05 24 30.0	+0.5
F52A	baz=357 Sundridge	137.67	360	P	PKPdf	05 24 28.4	-0.6
W18A	baz=0.2 Petrified Fore	137.69	38	PFAKE	LR	05 24 40.0	+8.4
W18A	comp=Z,4um,20.0s Petrified Fore	137.69	38	P	PKPdf	05 24 30.2	+0.5
PEMO	baz=312 Pembroke	137.74	358	P	PKPdf	05 24 28.5	-0.7
G46A	baz=32 Petoskey	137.88	6	P	PKPdf	05 24 29.4	0.0
X18A	baz=352 Snowflake	137.95	39	PFAKE	LR	05 24 40.0	+7.8
WVL	comp=Z,4um,18.0s Waterville	138.00	350	PFAKE	LR	05 24 40.0	+8.3
BUKO	comp=Z,6um,21.0s Buck Lake	138.02	360	P	PKPdf	05 24 29.2	-0.5
G45A	baz=0 Suttons Bay	138.07	7	PFAKE	LR	05 24 40.0	+8.2
G45A	comp=Z,10um,22.0s Suttons Bay	138.07	7	P	PKPdf	05 24 30.2	+0.4
KLBO	baz=351 Killbear Provi	138.10	1	P	PKPdf	05 24 29.6	-0.3
G47A	baz=359 Hillman	138.11	5	P	PKPdf	05 24 29.1	-0.7
G55A	baz=353 Calabogie	138.14	357	P	PKPdf	05 24 29.5	-0.4
TOBO	baz=4.0 Tobermory, Bru	138.20	2	P	PKPdf	05 24 29.3	-0.7
SDCO	baz=357 Great Sand Dun	138.24	31	PFAKE	LR	05 24 40.0	+7.2
SDCO	comp=Z,5um,19.0s Great Sand Dun	138.24	31	P	PKPdf	05 24 31.7	+1.0
FRNY	baz=319 Flat Rock	138.31	354	PFAKE	LR	05 24 40.0	+7.7
G53A	comp=Z,6um,18.0s Haliburton	138.34	359	P	PKPdf	05 24 30.1	-0.2
H43A	baz=1.2 Windswept, Lux	138.34	9	PFAKE	LR	05 24 40.0	+7.6
H43A	comp=Z,10um,21.0s Windswept, Lux	138.34	9	P	PKPdf	05 24 29.4	-0.9
PLVO	baz=348 Plevna	138.37	357	PFAKE	LR	05 24 40.0	+7.6
PLVO	comp=Z,6um,22.0s Plevna	138.37	357	P	PKPdf	05 24 29.7	-0.6
I41A	baz=3.5 Arkdale	138.37	11	PFAKE	LR	05 24 40.0	+7.5
I41A	comp=Z,8um,22.0s Arkdale	138.37	11	P	PKPdf	05 24 30.0	-0.4
GLMI	baz=344 Grayingl	138.39	6	PFAKE	LR	05 24 40.0	+7.5
GLMI	comp=Z,9um,21.0s Grayingl	138.39	6	P	PKPdf	05 24 30.0	-0.4
BANO	baz=352 Bancroft	138.42	358	P	PKPdf	05 24 30.4	-0.1
H45A	baz=2.3 Beulah	138.44	7	P	PKPdf	05 24 30.2	-0.3
BGNE	baz=350 Belgrade	138.51	21	PFAKE	LR	05 24 40.0	+7.1
BGNE	comp=Z,11um,20.0s Belgrade	138.51	21	P	PKPdf	05 24 29.7	-1.1
H46A	baz=331 Fife Lake	138.61	6	P	PKPdf	05 24 30.2	-0.7
LONY	baz=351 Lake Ozonia	138.62	355	PFAKE	LR	05 24 40.0	+7.0
LONY	comp=Z,6um,20.0s Lake Ozonia	138.62	355	P	PKPdf	05 24 31.0	+0.1
H48A	baz=7.3 Harrisville	138.62	4	PFAKE	LR	05 24 40.0	+7.0
H48A	comp=Z,9um,18.0s Harrisville	138.62	4	P	PKPdf	05 24 30.1	-0.8
H47A	baz=354 Milo	138.65	5	P	PKPdf	05 24 30.7	-0.2
KSCO	baz=353 Kaye Shedlock	138.67	28	PFAKE	LR	05 24 40.0	+6.6
KSCO	comp=Z,11um,19.0s Kaye Shedlock	138.67	28	P	PKPdf	05 24 31.2	-0.1
LBNH	baz=324 Lisbon	138.68	352	PFAKE	LR	05 24 40.0	+6.9
LBNH	comp=Z,8um,19.0s Lisbon	138.68	352	P	PKPdf	05 24 31.3	+0.4
SADO	baz=11, SNR=5.8 Sadowa	138.69	360	PFAKE	LR	05 24 40.0	+6.9
SADO	comp=Z,8um,21.0s Waterbury	138.70	353	PFAKE	LR	05 24 40.0	+6.8
VT1	comp=Z,8um,19.0s Drager Farm,	138.72	10	PFAKE	LR	05 24 40.0	+6.8
I42A	comp=Z,8um,19.0s Drager Farm,	138.72	10	P	PKPdf	05 24 30.9	-0.1
H56A	baz=346 Elgin	138.77	357	P	PKPdf	05 24 30.8	-0.3
TUC	baz=4.8 Tucson	138.82	42	PFAKE	LR	05 24 40.0	+6.2
TUC	comp=Z,4um,21.0s Tucson	138.82	42	P	PKPdf	05 24 31.4	-0.2
H52A	baz=308 Wyevale	138.82	0	P	PKPdf	05 24 30.9	-0.3
BMRO	baz=359 Merriville Lake	138.84	2	P	PKPdf	05 24 30.8	-0.4
H55A	baz=357 Tweed	138.86	358	P	PKPdf	05 24 31.1	-0.2
SPB	baz=3.4 Sao Paulo	138.91	228	PFAKE	LR	05 24 40.0	+5.9
DELO	comp=Z,4um,22.0s Deloro Mine	138.91	358	PFAKE	LR	05 24 40.0	+6.5
DELO	comp=Z,9um,21.0s Deloro Mine	138.91	358	P	PKPdf	05 24 30.9	-0.4
I45A	baz=2.8 Fountain	138.99	7	PFAKE	LR	05 24 40.0	+6.3
I45A	comp=Z,11um,21.0s Fountain	138.99	7	P	PKPdf	05 24 30.7	-0.8
I48A	baz=350 Sherman Twp	139.10	5	P	PKPdf	05 24 31.4	-0.3
I46A	baz=354 Reed City	139.18	7	P	PKPdf	05 24 31.5	-0.4
BRCO	baz=351 Bruce Peninsul	139.18	2	P	PKPdf	05 24 31.4	-0.4
I47A	baz=357 Gladwin	139.20	6	PFAKE	LR	05 24 40.0	+5.8
I47A	comp=Z,10um,19.0s Gladwin	139.20	6	P	PKPdf	05 24 31.2	-0.7
I55A	baz=352 Frankford	139.22	358	P	PKPdf	05 24 31.0	-0.9
NCB	baz=2.7 Newcomb	139.23	354	PFAKE	LR	05 24 40.0	+5.7
NCB	comp=Z,6um,20.0s Hanover	139.26	352	PFAKE	LR	05 24 40.0	+5.7
HNH	comp=Z,9um,19.0s Trinidad	139.26	31	PFAKE	LR	05 24 40.0	+5.2
T25A	comp=Z,5um,19.0s Trinidad	139.26	31	P	PKPdf	05 24 31.6	-0.9
I52A	baz=320 Walkerton	139.32	2	P	PKPdf	05 24 31.6	-0.6
I52A	baz=357 Shelburne	139.39	1	P	PKPdf	05 24 32.2	0.0
FFD	baz=359 Franklin Falls	139.40	351	PFAKE	LR	05 24 40.0	+5.5
FFD	comp=Z,11um,21.0s Perry	140.72	358	P	PKPdf	05 24 34.3	-0.4

JFWS	comp=Z,10um,18.0s Jewell Farm	139.40	12	PFAKE	LR	05 24 40.0	+5.4
JFWS	comp=Z,6um,21.0s Jewell Farm	139.40	12	P	PKPdf	05 24 31.4	-0.9
BASO	baz=343 Ashfield	139.40	2	P	PKPdf	05 24 31.9	-0.3
I49A	baz=357 Point Hope	139.41	4	PFAKE	LR	05 24 40.0	+5.4
I49A	comp=Z,10um,19.0s Point Hope	139.41	4	P	PKPdf	05 24 32.2	-0.1
PECO	baz=355 Prince Edward	139.47	357	PFAKE	LR	05 24 40.0	+5.3
PECO	comp=Z,5um,18.0s Prince Edward	139.47	357	P	PKPdf	05 24 32.5	+0.1
PKRO	baz=3.7 Picking	139.50	360	P	PKPdf	05 24 32.1	-0.3
WLVO	baz=0.6 Wesleyville	139.53	359	P	PKPdf	05 24 32.3	-0.2
J45A	baz=1.6 Montague	139.56	8	PFAKE	LR	05 24 40.0	+5.1
J45A	comp=Z,9um,21.0s Montague	139.56	8	P	PKPdf	05 24 32.1	-0.5
DRWO	baz=349 Darlington Wes	139.59	359	P	PKPdf	05 24 32.0	-0.5
SCIA	baz=341 State Center	139.63	16	PFAKE	LR	05 24 40.0	+4.9
SCIA	comp=Z,7um,19.0s State Center	139.63	16	P	PKPdf	05 24 32.3	-0.4
I51A	baz=358 Listowel	139.64	2	P	PKPdf	05 24 32.0	-0.7
I53A	baz=358 Korright Cn E	139.64	0	P	PKPdf	05 24 32.2	-0.4
J46A	baz=350 Howard City	139.74	7	P	PKPdf	05 24 32.5	-0.4
ACCN	comp=Z,8um,22.0s Adirondack Com	139.75	353	PFAKE	LR	05 24 50.0	+1.5
TASM	comp=Z,6um,18.0s ASL Pad, Albuq	139.76	35	P	PKPdf	05 24 34.3	+0.8
TASM	baz=316, SNR=9.2 ASL Pad, Albuq	139.76	35	P	PKPdf	05 24 34.2	+0.7
ANMO	baz=16, SNR=8.6 Albuquerque	139.76	35	ePKPpre	LR	05 24 25.6	
ANMO	comp=Z,7um,20.0s Albuquerque	139.76	35	PKPpre	LR	05 24 25.9	
ANMO	comp=Z,8um,20.0s Albuquerque	139.76	35	PKPpre	LR	05 24 33.7	+0.2
TORO	baz=0.1 Toronto-Lesli	139.85	360	P	PKPdf	05 24 32.8	-0.2
ACTO	baz=359 Acton	139.85	1	P	PKPdf	05 24 32.5	-0.6
J47A	baz=359 Summer	139.94	6	PFAKE	LR	05 24 50.0	+1.4
J47A	comp=Z,9um,19.0s Summer	139.94	6	P	PKPdf	05 24 33.0	-0.3
K43A	baz=352 Burlington	139.97	10	PFAKE	LR	05 24 50.0	+1.4
K43A	comp=Z,8um,20.0s Burlington	139.97	10	P	PKPdf	05 24 33.1	-0.3
J48A	baz=354 Marlette	139.97	4	P	PKPdf	05 24 32.7	-0.6
J48A	comp=Z,8um,22.0s Bridge Port	139.98	5	PFAKE	LR	05 24 50.0	+1.4
J48A	comp=Z,8um,22.0s Bridge Port	139.98	5	P	PKPdf	05 24 33.1	-0.2
L40A	baz=353 Anamosa	139.99	14	PFAKE	LR	05 24 50.0	+1.4
L40A	comp=Z,9um,19.0s Anamosa	139.99	14	P	PKPdf	05 24 32.7	-0.7
Y22D	IRIS PASCAL I	140.10	37	PFAKE	LR	05 24 50.0	+1.3
Y22D	comp=Z,4um,20.0s IRIS PASCAL I	140.10	37	P	PKPdf	05 24 34.3	+0.2
CBKS	baz=6.4 Cedar Bluff	140.11	25	PFAKE	LR	05 24 50.0	+1.4
CBKS	comp=Z,8um,20.0s Cedar Bluff	140.11	25	P	PKPdf	05 24 33.0	-0.8
J55A	baz=357 Hilton	140.17	358	PFAKE	LR	05 24 50.0	+1.4
J55A	comp=Z,11um,21.0s Hilton	140.17	358	P	PKPdf	05 24 33.5	-0.1
J54A	baz=2.5 Appleton	140.18	359	PFAKE	LR	05 24 50.0	+1.4
J54A	comp=Z,6um,18.0s Appleton	140.18	359	P	PKPdf	05 24 33.6	-0.1
J52A	baz=1.2 Paris	140.21	1	P	PKPdf	05 24 33.0	-0.7
STCO	baz=358 Saint Catharin	140.25	360	P	PKPdf	05 24 33.0	-0.8
MEDO	baz=0.0 Medina	140.29	359	PFAKE	LR	05 24 50.0	+1.4
MEDO	comp=Z,6um,21.0s Medina	140.29	359	P	PKPdf	05 24 33.0	-0.9
HRV	baz=1.5 Adam Dzewonsk	140.32	351	ePKPdf	LR	05 24 36.0	-0.5
HRV	comp=Z,8um,19.0s Adam Dzewonsk	140.32	351	ePKIKP	MLR	05 24 36.0	-0.5
HRV	comp=Z,8um,19.0s Adam Dzewonsk	140.32	351	P	PKPdf	05 24 33.5	-0.5
TYNO	baz=12 Tyrone	140.37	0	P	PKPdf	05 24 33.4	-0.6
K46A	baz=359 Dorr	140.37	7	P	PKPdf	05 24 33.3	-0.7
L42A	baz=350 Oliver, Polo	140.39	12	PFAKE	LR	05 24 50.0	+1.3
L42A	comp=Z,7um,21.0s Oliver, Polo	140.39	12	P	PKPdf	05 24 33.6	-0.5
TRY	baz=344 Troy	140.39	353	PFAKE	LR	05 24 50.0	+1.3
WES	comp=Z,8um,19.0s Weston	140.40	351	PFAKE	LR	05 24 50.0	+1.3
BCX	comp=Z,7um,20.0s Boston College	140.43	350	PFAKE	LR	05 24 50.0	+1.3
K48A	comp=Z,6um,18.0s Perry	140.44	5	P	PKPdf	05 24 33.6	-0.6
K47A	baz=353 Vermontville	140.48	6	P	PKPdf	05 24 33.8	-0.5
K49A	baz=351 Clarkson	140.52	5	P	PKPdf	05 24 33.7	-0.6
L44A							

Table with columns: Station ID, Name, Frequency, Power, Class, Status, and other details. Includes stations like N51A, N51A Ashland, O45A Potomac, U32A Winter Ranch, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, Status, and other details. Includes stations like P54A Burton, OLIL Olney, P58A Pank, Wackers, P53A Whipple, etc.

Table with columns: Station ID, Name, Frequency, Power, Class, Status, and other details. Includes stations like FCAR Ozark Folk Cen, T46A Princeton, W39A Magazine, etc.

U51A	baz=345,SNR=113	146.81	7	P	PKPbc	05 24 46.8	-0.5
WHTX	La Follette	146.82	29	PFAKE	LR	05 25 00.0	+1.0
WHTX	Lake Whitney	146.82	29	P	PKPbc	05 24 47.7	+0.2
JCT	Junction City	146.82	33	PFAKE	LR	05 25 00.0	+1.0
JCT	Junction City	146.82	33	P	PKPbc	05 24 48.1	+0.6
U54A	Nelsons Funny	146.86	3	PFAKE	LR	05 25 00.0	+1.0
U54A	Nelsons Funny	146.86	3	P	PKPbc	05 24 47.2	-0.3
U52A	Thorn Hill	146.87	6	P	PKPbc	05 24 47.0	-0.5
MET	Memphis-Engin	146.88	16	PFAKE	LR	05 25 00.0	+1.0
MET	Pendleton	146.91	357	P	PKPbc	05 24 47.8	+0.2
U60A	TAZ, Sparta	146.92	2	P	PKPbc	05 24 47.6	-0.2
U56A	Fall Branch	146.97	5	P	PKPbc	05 24 47.3	-0.5
U53A	Possum Corner	147.00	356	PFAKE	LR	05 25 00.0	+1.0
U61A	Possum Corner	147.00	356	P	PKPbc	05 24 47.9	+0.1
V48A	Smith Brothers	147.00	11	PFAKE	LR	05 25 00.0	+1.0
V48A	Smith Brothers	147.00	11	P	PKPbc	05 24 47.5	-0.4
U57A	Blanch	147.02	360	P	PKPbc	05 24 48.1	+0.2
U58A	Oxford	147.05	359	P	PKPbc	05 24 48.0	0.0
U59A	Littleton	147.07	358	PFAKE	LR	05 25 00.0	+9.5
U59A	Littleton	147.07	358	P	PKPbc	05 24 48.1	+0.1
U59A	King	147.10	1	P	PKPbc	05 24 48.1	-0.1
AHML	Horco Blum	147.12	204	i P	PKPpdf	05 24 46.9	+0.4
V49A	McMinnville	147.14	10	P	PKPbc	05 24 47.7	-0.6
X43A	Marvell	147.17	18	PFAKE	LR	05 25 00.0	+9.2
X43A	Marvell	147.17	18	P	PKPbc	05 24 48.6	+0.2
WLAR	White Oak Lake	147.19	21	PFAKE	LR	05 25 00.0	+9.2
WLAR	White Oak Lake	147.19	21	P	PKPbc	05 24 48.1	-0.5
W47A	Westpoint	147.32	12	P	PKPbc	05 24 48.6	-0.2
V51A	Loudon	147.34	7	PFAKE	LR	05 25 00.0	+8.9
V51A	Loudon	147.34	7	P	PKPbc	05 24 48.6	-0.2
V50A	Pikeville	147.36	9	P	PKPbc	05 24 48.4	-0.5
V52A	Sevierville	147.39	6	PFAKE	LR	05 25 00.0	+8.8
V52A	Sevierville	147.39	6	P	PKPbc	05 24 48.9	-0.1
CCAR	Cane Creek	147.44	19	PFAKE	LR	05 25 00.0	+8.6
CCAR	Pickwick Lake	147.47	13	PFAKE	LR	05 25 00.0	+8.6
V61A	Roper	147.55	356	PFAKE	LR	05 25 00.0	+8.5
V61A	Roper	147.55	356	P	PKPbc	05 24 49.8	+0.5
V55A	Taylorsville	147.56	3	P	PKPbc	05 24 49.2	-0.2
V57A	Coltrane Farms	147.57	0	P	PKPbc	05 24 49.3	-0.1
W48A	Pulaski	147.57	11	P	PKPbc	05 24 49.0	-0.5
OXF	Oxford	147.59	15	PFAKE	LR	05 25 00.0	+8.5
OXF	Oxford	147.59	15	P	PKPbc	05 24 49.0	-0.5
V54A	Nebo	147.60	4	P	PKPbc	05 24 49.2	-0.3
V60A	Jim Taylor Roa	147.62	357	PFAKE	LR	05 25 00.0	+8.3
V60A	Jim Taylor Roa	147.62	357	P	PKPbc	05 24 49.7	+0.2
V56A	Mocksaville	147.63	2	PFAKE	LR	05 25 00.0	+8.3
V56A	Mocksaville	147.63	2	P	PKPbc	05 24 49.4	-0.2
V53A	Saluda	147.64	5	PFAKE	LR	05 25 00.0	+8.2
V53A	Saluda	147.64	5	P	PKPbc	05 24 49.4	-0.3
V58A	Windy Hill, Pi	147.66	359	P	PKPbc	05 24 49.9	+0.3
CPCT	Cooper Cave	147.66	8	PFAKE	LR	05 25 00.0	+8.1
CPCT	Middlesex	147.67	358	P	PKPbc	05 24 49.9	+0.3
SWET	Sewanee	147.68	10	PFAKE	LR	05 25 00.0	+8.0
SWET	Richland Creek	147.69	21	PFAKE	LR	05 25 00.0	+8.0
Z41A	Richland Creek	147.69	21	P	PKPbc	05 24 50.4	+0.6
W49A	Belvidere	147.71	10	P	PKPbc	05 24 49.8	-0.1
V62A	Hyde County Ai	147.73	355	PFAKE	LR	05 25 00.0	+7.9
V62A	Hyde County Ai	147.73	355	P	PKPbc	05 24 50.3	+0.5
435B	Jarrell	147.75	30	PFAKE	LR	05 25 00.0	+7.6
435B	Jarrell	147.75	30	P	PKPbc	05 24 50.7	+0.6
X46A	Boonville	147.76	14	P	PKPbc	05 24 49.6	-0.4
W50A	Signal Mountai	147.79	9	PFAKE	LR	05 25 00.0	+7.5
W50A	Signal Mountai	147.79	9	P	PKPbc	05 24 49.7	-0.4
W51A	Cleveland	147.81	8	P	PKPbc	05 24 50.5	+0.0
BBSR	BB Station	147.92	336	ePKPbc	LR	05 24 50.4	-0.1
X47A	Russelville	147.93	13	P	PKPbc	05 24 50.0	-0.6
FSA	Cafayette	147.98	203	i P	PKPpdf	05 24 48.6	+0.6
W52A	Murphy	148.05	7	PFAKE	LR	05 25 00.0	+6.4
W52A	Murphy	148.09	7	P	PKPbc	05 24 51.0	0.0
W53A	Cullowhee	148.10	6	P	PKPbc	05 24 51.3	+0.3
CNNC	Cliffs of the	148.18	358	PFAKE	LR	05 25 00.0	+6.1

CNNC	Cliffs of the	148.18	358	P	PKPbc	05 24 51.6	+0.6
W61A	Ground Anchor	148.19	356	P	PKPbc	05 24 51.7	+0.6
X48A	Hartselle	148.21	12	PFAKE	LR	05 25 00.0	+5.9
X48A	Hartselle	148.21	12	P	PKPbc	05 24 50.7	-0.5
KMSC	Kings Mountain	148.26	3	PFAKE	LR	05 25 00.0	+5.7
KMSC	Kings Mountain	148.26	3	P	PKPbc	05 24 51.1	-0.2
W54A	Cherokee Point	148.27	4	P	PKPbc	05 24 51.3	-0.1
W59A	Clinton	148.27	358	P	PKPbc	05 24 51.8	+0.5
NATX	Nacogdoches	148.28	25	PFAKE	LR	05 25 00.0	+5.5
NATX	Nacogdoches	148.28	25	P	PKPbc	05 24 51.9	+0.4
X49A	Woodville	148.29	11	P	PKPbc	05 24 51.3	-0.1
BG3	Lake Jocassee	148.30	5	PFAKE	LR	05 25 00.0	+5.6
BG3	Lake Jocassee	148.30	5	P	PKPbc	05 24 51.9	+0.4
W57A	Gilead	148.30	1	PFAKE	LR	05 25 00.0	+5.6
W57A	Gilead	148.30	1	P	PKPbc	05 24 51.3	-0.1
W56A	Indian Trail	148.30	2	P	PKPbc	05 24 51.3	-0.1
W60A	Pink Hill	148.36	357	P	PKPbc	05 24 51.9	+0.4
W58A	Raeoford	148.43	360	P	PKPbc	05 24 51.9	+0.1
X50B	Fort Payne	148.46	10	P	PKPbc	05 24 51.5	-0.5
X51A	Calhoun	148.48	9	PFAKE	LR	05 25 00.0	+4.8
X51A	Calhoun	148.48	9	P	PKPbc	05 24 52.2	+0.3
PAULI	Pauline	148.56	4	PFAKE	LR	05 25 00.0	+4.6
PAULI	Pauline	148.56	4	P	PKPbc	05 24 52.6	+0.3
833A	Chaparral WMA	148.70	35	PFAKE	LR	05 25 00.0	+3.8
833A	Chaparral WMA	148.70	35	P	PKPbc	05 24 53.3	+0.7
Y48A	Jasper	148.70	12	P	PKPbc	05 24 51.8	-0.6
X53A	Estanollee	148.74	6	P	PKPbc	05 24 52.8	+0.2
Y52A	Belton	148.79	5	P	PKPbc	05 24 51.9	0.0
BIRD	Birdtown, Kers	148.79	2	PFAKE	LR	05 25 00.0	+3.6
BIRD	Birdtown, Kers	148.79	2	P	PKPbc	05 24 53.0	+0.2
X60A	Albert Glenn T	148.84	358	P	PKPbc	05 24 53.1	+0.2
X59A	McDuffie Farm,	148.87	359	P	PKPbc	05 24 53.1	+0.2
X58A	Rowland	148.90	360	PFAKE	LR	05 25 00.0	+3.2
X58A	Rowland	148.90	360	P	PKPbc	05 24 53.2	+0.2
Y49A	Blount Mountai	148.91	11	PFAKE	LR	05 25 00.0	+3.1
Y49A	Blount Mountai	148.91	11	P	PKPbc	05 24 52.9	-0.2
X55A	Gracelyn & Ava	148.92	3	P	PKPbc	05 24 53.1	+0.1
X57A	White Oak	148.93	3	P	PKPbc	05 24 53.1	+0.1
X56A	Johnson Farm,	148.98	1	P	PKPbc	05 24 53.3	+0.1
Y50A	Piedmont	149.00	10	P	PKPbc	05 24 53.1	-0.1
Y51A	Rockmart	149.11	9	P	PKPbc	05 24 53.5	0.0
HODGE	Hodges	149.11	5	PFAKE	LR	05 25 00.0	+2.3
HODGE	Hodges	149.11	5	P	PKPbc	05 25 00.0	+2.3
JSC	Jenkinsville	149.12	3	PFAKE	LR	05 25 00.0	+2.3
JSC	Jenkinsville	149.12	3	P	PKPbc	05 25 00.0	+1.6
Y52A	Liburn	149.28	7	PFAKE	LR	05 25 00.0	+1.6
Y52A	Liburn	149.28	7	P	PKPbc	05 24 54.5	+0.5
HKT	HKT	149.29	29	ePKPpdf	PKPpdf	05 24 50.8	+1.1
HKT	HKT	149.29	29	ePKPbc	ePKPbc	05 24 55.5	+0.3
HKT	HKT	149.29	29	ePKPbc	ePKPbc	05 25 06.9	-0.1
HKT	Hockley	149.29	29	ePKPbc	ePKPbc	05 24 50.8	+1.1
HKT	Hockley	149.29	29	ePKPbc	ePKPbc	05 24 55.5	
Y53A	Monroe	149.35	7	P	PKPbc	05 24 54.3	+0.1
VBMS	Vicksburg	149.41	19	PFAKE	LR	05 25 00.0	+1.0
VBMS	Vicksburg	149.41	19	P	PKPbc	05 24 54.7	+0.4
Y57A	Sumter	149.42	2	PFAKE	LR	05 25 00.0	+1.1
Y57A	Sumter	149.42	2	P	PKPbc	05 24 54.3	0.0
Y60A	Bolivia	149.42	358	PFAKE	LR	05 25 00.0	+1.1
Y60A	Bolivia	149.42	358	P	PKPbc	05 24 54.3	0.0
Y55A	Saluda	149.43	4	P	PKPbc	05 24 54.3	-0.1
Y54A	Tignal	149.44	5	P	PKPbc	05 24 54.5	+0.1
Y59A	Loris	149.46	359	P	PKPbc	05 24 54.3	-0.1
Z49A	Columbiana	149.53	12	P	PKPbc	05 24 54.4	-0.2
Y58A	Scranton	149.54	0	PFAKE	LR	05 25 00.0	+0.6
Y58A	Scranton	149.54	0	P	PKPbc	05 24 54.5	-0.1
LRAL	Lakeview Retre	149.58	13	PFAKE	LR	05 25 00.0	+0.4
LRAL	Lakeview Retre	149.58	13	P	PKPbc	05 24 54.6	-0.1
Z50A	Ashland	149.59	11	PFAKE	LR	05 25 00.0	+0.3
Z50A	Ashland	149.59	11	P	PKPbc	05 24 54.5	-0.3
Y56A	Pelion	149.61	3	P	PKPbc	05 24 54.5	-0.2
147A	Livingston	149.63	15	PFAKE	LR	05 25 00.0	+0.2
147A	Livingston	149.63	15	P	PKPbc	05 24 54.8	0.0
Z51A	Franklin	149.66	9	P	PKPbc	05 24 54.7	-0.2
GOGA	Godfrey	149.81	7	PFAKE	LR	05 25 00.0	-0.5
GOGA	Godfrey	149.81	7	P	PKPbc	05 24 55.4	+0.2
148A	Greensboro	149.83	14	P	PKPbc	05 24 55.4	+0.1
Z52A	Williamson	149.90	8	P	PKPbc	05 24 56.0	-0.4

Z53A	Monticello	149.92	7	P	PKPbc	05 24 55.5	-0.1
Z54A	Sparta	150.04	6	P	PKPbc	05 24 56.1	+0.3
149A	Jones	150.05	12	P	PKPbc	05 24 56.0	+0.2
Z56A	Williston	150.07	3	PFAKE	LR	05 25 00.0	-1.6
Z56A	Williston	150.07	3	P	PKPbc	05 24 56.2	+0.3
Z58A	St. Stephen	150.11	1	P	PKPbc	05 24 56.2	+0.2
Z55A	Blythe	150.12	4	P	PKPbc	05 24 56.3	+0.2
Z57A	Bowman	150.13	2	P	PKPbc	05 24 56.2	+0.2
GO02	Mina Guanaco	150.13	198	ePKPbc	LR	05 24 57.3	-0.3
GO02	Mina Guanaco	150.13	198	P	PKPbc	05 25 00.0	-2.1
KVTV	Kingsville	150.14	34	PFAKE	LR	05 25 00.0	-2.1
KVTV	Kingsville	150.14	34	P	PKPbc	05 24 56.4	+0.1
150A	Eclectic	150.20	11	P	PKPbc	05 24 56.4	+0.1
Z59A	Georgetown, SC	150.21	360	P	PKPbc	05 24 56.6	+0.3
HJA	HumaHua	150.30	207	i P	PKPpdf	05 24 55.3	+1.3
152A	Waverly Hall						

Error ellipse: s-maj=6.4km s-min=4.2km az=103.5
 MOS Felt (II-III) at Kuril'sk
 SKHL 06:53:13.1±0.7, 45:57:67N:150:84E, h118km, 8km, mb5.3/12, msh6.1/4
 SKHL Felt (II) at Gornyi (268 km), Felt (II-III) at Kuril'sk (237 km), Goryachie Kluchi (252 km), Reidovo (225 km).
 IDC 06:53:13.7±1.8, 45:98N:150:55E, h112km, 16km, mb4.3/28, mb1 4.5/35, mb1mx4, 4/43, mbtmp4, 7/35, Error ellipse: s-maj=13.9km s-min=8.4km az=154.0
 JMA 06:53:16.8±0.6, 45:13N:150:55E, h130km, M4.8
 JMA Felt I, J
 BJU 06:53:17.2±0.0, 46:27N:150:34E, h140km, mb4.8/42, m85.0/28
 NEIC 06:53:19.4±1.7, 46:05N:150:52E, h161km, 5km, mb4.9/339, Error ellipse: s-maj=17.2km s-min=12.3km az=146.0
 NEIC Recorded [1 JMA] in eastern Hokkaido.
 ISC 06:53:13.1±0.6, 45:81N:0:05:150.70E:0:04, h112km, 5km, n1015, c1918/1056, mb4.9/208, 65C-22D, Kuril Islands

Code	Station Name	A ^z	Phase ID	Time	Res
KUR	Kuril'sk	2.08 2550	Op Pn	06 53 48.7	+1.7
KUR	comp=Z,5µm,0.3s		pmax		
KUR	comp=N,2µm,0.2s		pmax		
KUR	comp=E,746nm,0.2s		smax		
KUR	comp=N,38µm,0.4s		smax		
KUR	comp=E,42µm,0.5s		smax		
KUR	Kuril'sk	2.08 255	i P Pn	06 53 48.7	+1.7
KUR	comp=E,240nm,0.3s		AMB		
KUR	comp=E,600nm,0.3s		AMB		
KUR	comp=E,640nm,0.3s		AMB		
KUR	comp=E,2µm,0.5s		i S A	06 54 15.4	+2.4
KUR	comp=E,500nm,0.5s		A	06 54 16.2	
YUK	Yuzh-Kuril'sk	3.87 244	i PN Pn	06 54 12.9	+2.3
YUK	comp=E,522nm,0.2s		pmax		
YUK	comp=N,472nm,0.1s		smax		
YUK	comp=N,2µm,0.2s		smax		
YUK	comp=E,5µm,0.3s		i P Pn	06 54 12.4	+1.8
YUK	comp=E,470nm,0.2s		AMB		
YUK	comp=E,520nm,0.2s		AMB		
YUK	comp=E,270nm,0.2s		i S A	06 54 56.3	+1.1
YUK	comp=E,180nm,0.2s		A	06 55 04.2	
GRPR	Tuman	3.95 2440	i PN Pn	06 54 12.6	+1.0
GRPR	comp=Z,1µm,0.4s		pmax		
GRPR	comp=N,716nm,0.2s		pmax		
GRPR	comp=E,864nm,0.5s		smax		
GRPR	comp=N,6µm,0.4s		smax		
GRPR	comp=E,5µm,0.4s		smax		
GRPR	Tuman	3.95 244	i P Pn	06 54 12.6	+1.0
GRPR	comp=E,720nm,0.5s		AMB		
GRPR	comp=E,860nm,0.5s		AMB		
GRPR	comp=E,1µm,0.5s		i S A	06 54 56.0	-1.0
GRPR	comp=E,590nm,0.3s		A	06 55 04.0	
NEM2	Nemuro 2	4.30 237	P Pn	06 54 15.3	-1.1
JRA	Rausu	4.39 247	eS P	06 54 35.0	+1.1
JNK	Nakash	4.81 245	P Pn	06 54 23.8	+0.5
JTKR	Abashiri-Toko	5.17 252	P Pn	06 54 29.2	+1.2
JMP	Maruseppu	5.52 254	P Pn	06 54 30.4	+1.1
JAR	Ashorobuto	5.55 246	P Pn	06 54 33.8	+0.5
YSS	Yuzh-Sakhalins	5.62 285	eP Pn	06 54 36.7	+2.6
YSS	Yuzh-Sakhalins	5.62 285	eS Pn	06 55 41.5	+4.2
YSS	comp=Z,420nm,0.8s		MLR		
YSS	comp=Z,500nm,13.0s		MLR		
YSS	Yuzh-Sakhalins	5.62 285	eP Pn	06 54 37.0	+2.9
YSS	comp=Z,230nm,0.6s		eS Pn	06 55 39.5	+2.2
JOB	Onbets	5.72 242	P Pn	06 55 35.0	+0.5
JSE	Soyas	5.78 264	P Pn	06 54 38.7	+2.3
JKK2	Kamakawa 2	5.98 254	P Pn	06 54 40.6	+1.5
JKA	Kamikawa-asahi	5.99 256	P Pn	06 54 41.1	+1.9
ASAJ	Asahikawa	6.00 256	P Pn	06 54 41.1	+1.8
ASAJ	comp=Z,23nm,0.3s, baz=90, slow=15, SNR=123		S	06 55 45.6	-1.0
ASAJ	comp=Z,270, slow=14, SNR=1.5		P	06 54 41.2	+1.9
SKR	Severo-Kuril's	6.07 35	eP Pn	06 55 45.3	-2.9
SKR	comp=Z,332nm,0.4s		smax		
SKR	comp=E,265nm,0.4s		smax		
SKR	comp=N,310nm,0.5s		smax		
SKR	Severo-Kuril's	6.07 35	eP Pn	06 54 40.0	-0.2
SKR	comp=N,110nm,0.4s		AMB		
SKR	comp=N,80nm,0.4s		AMB		
SKR	comp=N,240nm,0.4s		AMB		
SKR	comp=N,180nm,0.4s		A	06 55 47.4	
JCH	Churui	6.17 241	P Pn	06 54 40.6	-1.0
JCH	Keihoku	6.20 269	P Pn	06 55 45.7	+3.7
JAB	Ashibetsu	6.47 252	P Pn	06 54 47.7	+2.0
ERM	Erino	6.64 238	eP Pn	06 55 55.8	-6.3
ERM	Erino	6.64 238	eP Pn	06 54 48.1	+0.2
ERM	Erino	6.64 238	i Pn	06 54 47.9	-0.1
JB2T	Biratoro 2	6.71 246	P Pn	06 55 59.3	-4.5
UGL	Ulgorsk	6.71 302	eP Pn	06 54 45.6	-3.3
UGL	comp=Z,154nm,1.2s		AMB		
UGL	comp=Z,140nm,0.8s		AMB		
UGL	comp=Z,80nm,0.7s		A	06 54 52.4	
UGL	comp=Z,110nm,0.7s		A	06 56 09.9	
JNBK	Urakawa-nobuka	6.73 241	P Pn	06 54 47.7	-1.5

JNBK	Eniwo	7.27 249	eS Pn	06 55 58.2	-6.1
JEW	Tymovskoe	7.27 249	eS Pn	06 56 14.0	-3.4
TYV	comp=Z,24nm,0.7s		eP Pn	06 55 00.7	+2.9
TYV	Tymovskoe	7.37 316	eP AMB	06 55 00.7	+2.9
TYV	comp=Z,20nm,0.7s		A	06 56 23.3	+3.5
JNB	Noboribetsu	7.71 248	P Pn	06 55 01.5	-1.0
JNB	Kayabe	8.01 244	P Pn	06 56 24.7	-3.5
JKB	Shimam	8.28 251	P Pn	06 55 04.0	-2.0
JKB	Shimam	8.28 251	P Pn	06 55 28.2	-7.3
JYM2	Yakumo 2	8.31 247	P Pn	06 55 09.4	-1.3
JYM2	Shiruiuchi	8.59 244	P Pn	06 56 38.6	-4.3
JSR	Petrovlovsk	8.61 29	eS Pn	06 55 12.5	-2.0
JSR	Petrovlovsk	8.61 29	eS Pn	06 55 40.9	-8.7
PETK	Petrovlovsk	8.61 29	eS Pn	06 55 13.4	-1.2
PEA1B	Petrovlovsk	8.61 29	eP Pn	06 55 14.0	-0.6
JTM	Penimabayashi	8.63 238	P Pn	06 55 14.0	-0.6
JTM	Penimabayashi	8.63 238	P Pn	06 55 12.1	-2.9
JTM	Nango	8.64 234	P Pn	06 56 41.0	-1.0
JANG	Nango	8.64 234	eS Pn	06 56 40.3	-1.0
JTH	Tanohata	8.74 231	P Pn	06 55 12.9	-3.7
JTH	Tanohata	8.74 231	eS Pn	06 56 42.5	-1.1
PET	Petrovlovsk	8.88 33	eP Pn	06 55 15.8	-2.5
PET	Petrovlovsk	8.88 33	eP Pn	06 55 10.3	+0.1
PET	Petrovlovsk	8.88 33	eP Pn	06 55 16.9	-1.4
PET	comp=Z,10.0nm,0.4s		AMB		
PET	comp=Z,20nm,0.4s		AMB		
PET	comp=Z,40nm,0.4s		A	06 56 55.4	
JOSM	Okushi-Mats	8.91 249	P Pn	06 55 17.5	-1.3
OKH	Okha	9.24 330	eS Pn	06 57 07.6	+2.6
OFUJ	Ofunato	9.47 228	P Pn	06 55 23.1	-3.3
OFUJ	Ofunato	9.47 228	eS Pn	06 57 01.5	-9.5
JRG	Rokugo	9.80 233	P Pn	06 55 28.2	-2.7
JRG	Rokugo	9.80 233	P Pn	06 57 11.1	-7.5
NIK	Nikolayevsk	9.82 322	eP Pn	06 55 34.0	+3.1
TEY	Ternei	9.95 271	eP Pn	06 55 34.2	+1.4
TEY	comp=E,50nm,0.7s		pmax		
TEY	comp=Z,50nm,0.8s		pmax		
TEY	comp=Z,70nm,0.7s		pmax		
TEY	Ternei	9.95 271	eP AMB	06 55 34.5	+1.7
JIO	Ouri	10.11 227	P Pn	06 55 31.0	-4.0
JIO	Ouri	10.11 227	eS Pn	06 57 16.4	-1.0
GRNR	Gornyi	10.73 303	eP Pn	06 55 38.0	-5.3
MJAR	Matushiro Arr	13.19 230	P Pn	06 56 14.0	-2.0
MJAR	comp=Z,0.2nm,0.3s, baz=25, slow=13, SNR=36		S	06 58 31.5	-1.0
MJAR	comp=Z,0.2nm,0.3s, baz=52, slow=34, SNR=3.7		S	06 58 31.5	-1.0
MJB9	Matsu-Tunnel	13.19 230	eP Pn	06 56 13.5	-2.4
MAO	Matsushiro	13.19 230	eP Pn	06 56 31.2	-3.1
MAO	Matsushiro	13.19 230	eS Pn	06 56 53.1	-1.0
MAJO	Matsushiro	13.19 230	i Pn	06 56 13.9	-2.0
MAT	Matsushiro	13.19 230	P Pn	06 56 13.8	-2.1
MLR	Kul'dur	13.26 292	eS Pn	06 58 31.2	-1.0
KLR	Kul'dur	13.26 292	eP Pn	06 56 17.5	+0.8
KLR	Kul'dur	13.26 292	eP Pn	06 56 17.5	+0.8
USRK	Ussuriysk Arr	13.34 270	P Pn	06 56 17.5	+0.4
EKMR	Ekimochan	13.62 309	eP Pn	06 56 22.5	+1.0
EKMR	Ekimochan	13.62 309	AMB	06 56 28.2	
VLA	Vladivostok	13.71 265	eP Pn	06 56 21.9	-0.7
VLA	Vladivostok	13.71 265	eP Pn	06 56 21.9	-0.7
MA2	Magadan	13.79 0	P Pn	06 58 21.1	-2.5
MA2	Magadan	13.79 0	eP Pn	06 56 23.9	+0.3
MA2	Magadan	13.79 0	eP Pn	06 56 23.9	+0.3
MDJ	Mudanjiang	14.93 273	eP Pn	06 56 38.7	+0.6
MDJ	Mudanjiang	14.93 273	P Pn	06 56 38.7	+0.6
MDJ	comp=Z,23nm,0.8s		pmax		
MDJ	comp=Z,390nm,11.8s		pmax		
BMKR	Bornak	16.52 311	eP AMB	06 56 58.0	-0.5
SMY	Shemya	16.72 57	eP Pn	06 57 03.6	+2.9
SMY	Shemya	16.72 57	eP Pn	06 57 03.6	+2.9
SMY	Shemya	16.72 57	eP Pn	06 57 03.6	+2.9
ZEA	Zeya	17.04 306	eP Pn	06 57 04.4	+0.1
ZEA	Zeya	17.04 306	eP Pn	06 57 04.4	+0.1
ZEA	Zeya	17.04 306	eP Pn	06 57 04.4	+0.1
SEY	Seychnan	17.19 3	P Pn	06 57 04.2	-1.5
KROS	Kirovskiy	17.43 308	eP Pn	06 57 08.0	-0.9
CN2	Changchun	18.01 273	eP Pn	06 57 14.6	-0.4
CN2	Changchun	18.01 273	eS Pn	06 57 54.6	+6.0
CN2	Changchun	18.01 273	eS Pn	06 57 54.6	+6.0
CN2	comp=Z,40nm,0.7s		pmax		
CN2	comp=Z,500nm,14.0s		LR		
CN2	comp=Z,320nm,14.0s		LR		
CN2	comp=Z,480nm,15.0s		LR		
KSRS	Korea Array	18.92 252	P Pn	06 57 25.6	+0.7
KS15	Wonju Array S1	18.95 252	eP Pn	06 57 27.5	+0.3
JNU	Nakatsue	19.80 237	P Pn	06 57 39.4	+2.2
JNU	Nakatsue	19.80 237	P Pn	06 57 40.4	+3.2
TJN	Taejon	19.89 250	eP Pn	06 57 36.2	+0.6
YAK	Yakutsk	20.27 331	eP Pn	06 57 39.5	+0.1
YAK	Yakutsk	20.27 331	eS Pn	06 57 36.7	-2.6
YAK	Yakutsk	20.27 331	eS Pn	07 01 17.0	-3.2
YAK	Yakutsk	20.27 331	eSS Pn	07 01 51.4	-2.8
ADK	Adak	22.18 62	eP Pn	06 57 39.4	+0.1
ADK	Adak	22.18 62	eP Pn	06 58 03.0	+3.2
ADK	Adak	22.18 62	eP Pn	06 58 03.0	+3.2
BILL	Bilibino	23.70 15	eP Pn	06 58 13.1	-1.2
BILL	Bilibino	23.70 15	eP Pn	06 58 13.2	-1.1
BILL	Bilibino	23.70 15	eP Pn	06 58 45.3	
BILL	Bilibino	23.70 15	eP Pn	07 01 56.1	

KURK	comp=Z,11nm,0.8s	pmx	pmx				
KURK	Kurchatov	46.49	303	eP	P	07	01 26.9 -1.8
DLBC	Dease Lake	47.44	45	eP	P	07	01 38.2 +2.1
DLBC	comp=Z,3.1nm,0.6s,baz=243,slow=3.5,SNR=7.2						
DLBC	Dease Lake	47.44	45	eP	P	07	01 38.4 +2.3
DIB	Dawson Inlet	48.18	52	eP	P	07	01 43.3 +1.6
CMAR	Chiang Mai Arr	50.52	255	P	P	07	02 01.1 +1.1
SHL	Shilling	50.67	267	eP	P	07	02 00.8 -0.4
SHL	Shilling	50.67	267	eP	P	07	02 00.8 -0.4
OTUK	Ortayu	51.26	303	P	P	07	02 04.8 -0.3
OTUK	comp=Z,5.0nm,1.0s						
KDJ	Kajisay	51.30	294	eP	P	07	02 06.1 +0.3
KDJ	Kajisay	51.30	294	eP	P	07	02 06.1 +0.3
KDJ	comp=Z,12nm,0.6s						
RES	Resolute Bay	52.25	18	P	P	07	02 12.2 +0.1
RES	comp=Z,32nm,0.9s,baz=297,slow=4.3,SNR=36						
RES	Resolute Bay	52.25	18	eP	P	07	02 12.3 +0.3
RES	comp=Z,17nm,0.8s						
RES	Resolute Bay	52.25	18	eP	P	07	02 12.4 +0.3
YKA	Yellowknife Arr	52.67	36	P	P	07	02 15.9 +0.6
YKA	comp=Z,6.0nm,0.6s,baz=296,slow=6.8,SNR=36						
YKA	Yellowknife Arr	52.67	36	eP	P	07	02 15.9 +0.6
YKBS	Yellowknife Arr	52.67	36	eP	P	07	02 15.9 +0.6
AAK	Ala-Archa	52.74	296	eP	P	07	02 16.9 +0.5
AAK	Ala-Archa	52.74	296	eP	P	07	02 16.9 +0.5
AAK	comp=Z,9.0nm,0.9s						
AAK	Ala-Archa	52.74	296	eP	P	07	02 17.1 +0.7
AAK	Ala-Archa	52.74	296	eP	P	07	02 17.1 +0.7
AAK	Kingsbay	53.17	351	eP	P	07	02 17.7 -1.1
KBS	Kingsbay	53.17	351	eP	P	07	02 17.7 -1.1
KBS	comp=Z,22nm,1.5s						
JIRN	Jiri	53.34	274	eP	P	07	02 22.3 +1.0
SVE	Sverdlowsk	53.38	317	iP	P	07	02 19.8 -0.8
SVE	comp=Z,28nm,0.9s						
GUN	Gumba	53.41	274	eP	P	07	02 23.1 +1.4
KSH	Kashi	53.46	292	P	P	07	02 26.1 +4.5
KSH	comp=Z,29nm,0.3s						
KSH	Kashi	53.46	292	P	P	07	02 26.1 +4.5
KSH	comp=Z,16nm,1.1s						
KSH	Kashi	53.46	292	P	P	07	02 26.1 +4.5
KSH	comp=Z,170nm,6.3s						
KSH	Kashi	53.46	292	P	P	07	02 26.1 +4.5
KSH	comp=Z,330nm,15.2s						
KSH	Kashi	53.46	292	P	P	07	02 26.1 +4.5
KSH	comp=Z,280nm,14.9s						
KKN	Kakani	53.90	274	eP	P	07	02 26.2 +1.1
KKN	comp=Z,21nm,0.5s						
PKI	Pulchokii	53.95	274	eP	P	07	02 26.1 +0.5
PKI	comp=Z,14nm,0.4s						
PKIN	Pulchokii	53.95	274	eP	P	07	02 26.1 +0.5
DMN	Daman	54.13	274	eP	P	07	02 27.7 +0.8
DMN	comp=Z,14nm,0.4s						
GKN	Gorkha	54.22	275	eP	P	07	02 28.4 +1.0
ARU	Arti	54.57	317	eP	P	07	02 28.0 -1.3
ARU	comp=Z,34nm,0.3s						
ARU	Arti	54.57	317	eP	P	07	02 28.0 -1.3
ARU	comp=Z,23nm,0.9s						
ARU	Arti	54.57	317	eP	P	07	02 28.0 -1.3
ARU	comp=Z,32nm,1.1s						
DANN	Dangsing	54.62	276	eP	P	07	02 31.6 +1.2
DANN	comp=Z,42nm,0.5s						
KKAR	Karatay Array	54.98	298	eP	P	07	02 32.8 +0.3
KKAR	comp=Z,6.4nm,0.7s						
KKAR	Karatay Array	54.98	298	eP	P	07	02 32.8 +0.3
KKAR	comp=Z,6.0nm,0.7s						
KOLAN	Koldanda	55.08	275	eP	P	07	02 34.5 +0.8
KOLAN	comp=Z,14nm,0.5s						
PYUN	Pyuthan	55.30	276	eP	P	07	02 36.4 +1.1
PYUN	comp=Z,8.3nm,0.3s						
PGC	Sidney	55.35	54	eP	P	07	02 35.8 +0.8
PGC	comp=Z,36nm,1.5s						
D03D	Eldon	56.16	54	P	P	07	02 41.9 +1.1
D03D	baz=303,SNR=7.4						
B05A	Bryant	56.32	53	P	P	07	02 42.9 +0.9
B05A	baz=303						
E03A	Leban	56.42	56	eP	P	07	02 44.1 +1.5
E03A	comp=Z,44nm,1.4s						
D04E	Lakebay	56.53	55	P	P	07	02 44.8 +1.4
D04E	baz=304						
E04D	Cinebar	56.99	55	P	P	07	02 48.1 +1.4
E04D	baz=304						
PRGR	Permogore	57.24	327	eP	P	07	02 45.3 -2.9
PRGR	comp=Z,20nm,0.6s						
G03D	McMinnville, O	57.34	57	P	P	07	02 50.7 +1.6
G03D	baz=304						
DAG	Danmarks Havn	57.51	357	iP	P	07	02 49.2 -0.7
DAG	comp=Z,6.0nm,0.7s						
DAG	Danmarks Havn	57.51	357	iP	P	07	02 49.2 -0.7
DAG	comp=Z,4nm,0.7s						
I02D	Swissmose	57.61	58	P	P	07	02 52.9 +1.8
I02D	baz=305						
COR	Corvallis	57.66	58	eP	P	07	02 53.5 +2.0
COR	comp=Z,121nm,1.5s						
COR	Corvallis	57.66	58	eP	P	07	02 53.5 +2.0
COR	comp=Z,121nm,1.5s						
COR	Corvallis	57.66	58	eP	P	07	02 53.5 +2.0
ABKAR	Akbulak array	57.73	309	eP	P	07	02 51.3 -0.6
ABKAR	comp=Z,8.4nm,1.0s						
H04D	Lebanon	58.03	57	P	P	07	02 55.8 +1.7
H04D	baz=305						
I03D	Drain, OR	58.14	58	P	P	07	02 56.8 +2.0
I03D	baz=305						
ARAO	ARCESS Array S	58.18	340	eP	P	07	02 52.9 -1.9
ARAO	comp=Z,4.4nm,1.3s						
ARAO	ARCESS Array B	58.18	340	eP	P	07	02 52.9 -1.9
ARAO	comp=Z,2.0nm,0.6s,baz=24,slow=6.9,SNR=9.9						
ARCES	ARCESS Array B	58.18	340	eP	P	07	02 52.9 -1.9
ARCES	comp=Z,4.3nm,0.7s,baz=37,slow=6.2,SNR=7.7						
KULLO	Kullorsuaq	58.45	8	iP	P	07	02 55.4 -1.1
KULLO	comp=Z,28nm,0.7s						
KULLO	Kullorsuaq	58.45	8	iP	P	07	02 55.4 -1.1
KULLO	comp=Z,29nm,0.7s						
G05D	Wamic, OR	58.45	56	P	P	07	02 58.6 +1.6
G05D	baz=305						
N02D	Williamette Mer	58.52	60	P	P	07	02 59.2 +1.6
N02D	baz=306						
KIL	Nilore	58.60	287	eP	P	07	02 59.1 +0.8
KIL	comp=Z,32nm,0.9s						
NIL	Nilore	58.60	287	eP	P	07	02 59.1 +0.8
NIL	comp=Z,31nm,0.9s						
I04A	Tendick Farm	58.64	58	P	P	07	02 59.6 +1.2
I04A	baz=306						
HAWA	Hanford	58.81	54	eP	P	07	03 00.9 +1.5
HAWA	comp=Z,14nm,1.3s						
G06A	Carlson Farm	58.85	56	eP	P	07	03 01.1 +1.3
G06A	comp=Z,17nm,1.4s						
I05D	Terrebonne, OR	58.96	57	P	P	07	03 01.9 +1.3
I05D	baz=306						
HUMO	Huli Mountain	59.00	59	eP	P	07	03 02.5 +1.6
HUMO	comp=Z,4.4nm,0.9s						
NEW	Newport	59.07	51	P	P	07	03 01.6 +0.3
NEW	comp=Z,7.2nm,0.8s,baz=305,slow=6.7,SNR=14						
NEW	Newport	59.07	51	P	P	07	03 01.6 +0.3
NEW	comp=Z,306,SNR=10						
KTK1	Kautokeino	59.11	341	eP	P	07	02 59.9 -1.3
J04D	Umpqua Nationa	59.14	58	P	P	07	03 03.5 +1.4
J04D	baz=306						

PINE	Pine Mountain	59.51	57	eP	P	07	03 06.5 +2.0
L04D	Klamath Falls	59.62	59	P	P	07	03 06.7 +1.4
L04D	comp=Z,17nm,0.8s						
J05D	Fort Rock, OR	59.63	58	P	P	07	03 06.8 +1.4
J05D	baz=306,SNR=9.1						
K04D	Chiloquin, OR	59.71	59	P	P	07	03 07.2 +1.3
K04D	baz=306						
G08A	Pilot Rock	59.78	55	eP	P	07	03 07.6 +1.3
G08A	comp=Z,6.9nm,0.9s						
N02D	Trinity Center	60.11	61	P	P	07	03 10.1 +1.6
N02D	baz=307						
M04C	Macdoel	60.16	59	P	P	07	03 10.5 +1.5
M04C	baz=307						
K05A	Summer Lake	60.17	58	eP	P	07	03 10.9 +1.8
K05A	comp=Z,18nm,0.8s						
I07A	Izee	60.18	56	eP	P	07	03 10.5 +1.4
I07A	comp=Z,6.3nm,1.0s						
O02D	Mt. Diablo Mer	60.53	61	P	P	07	03 13.2 +1.7
O02D	baz=307						
KBL	Kabul	60.85	291	eP	P	07	03 13.2 -0.6
KBL	comp=Z,14nm,0.7s						
KBL	Kabul	60.85	291	eP	P	07	03 13.2 -0.6
KBL	comp=Z,14nm,0.7s						
J08A	Circle Bar, OR	61.21	56	eP	P	07	03 16.9 +0.8
J08A	comp=Z,24nm,1.3s						
MSO	Missoula	61.66	51	eP	P	07	03 19.4 +0.5
MSO	comp=Z,15nm,0.8s						
MSO	Missoula	61.66	51	eP	P	07	03 19.6 +0.7
MSO	comp=Z,308,SNR=19						
SUMG	Summit	61.74	3	eP			

P46A	baz=324,SNR=15	80.39	42	P	P	07 05 11.9	-0.1
DELO	Rosedale baz=323,SNR=9.9	80.41	33	P	P	07 05 11.3	-0.7
GCIS	Deloro Mine baz=327	80.49	330	i P	P	07 05 12.1	-0.3
MYKA	Gornji Kirin 80.50 332	i P	P	07 05 11.9	-0.6		
Q45A	Terra Mystica comp=Z,5.7nm,0.4s,SNR=5.2	80.52	43	P	P	07 05 12.7	0.0
DRWO	Warren Harvey baz=329,SNR=2	80.53	34	P	P	07 05 12.4	-0.2
DARWA	Darlington Wes baz=328	80.54	33	P	P	07 05 11.8	-0.8
H55A	Tweed baz=329,SNR=5.4	80.55	33	P	P	07 05 13.4	+0.5
WATA	Walderalm comp=Z,1.5nm,0.5s,SNR=14	80.55	333	i P	P	07 05 13.7	+0.5
WTTA	Wattenberg comp=Z,1.4nm,0.4s,SNR=15	80.60	333	i P	P	07 05 12.8	-0.3
W39A	Magazine baz=321	80.61	34	P	P	07 05 12.5	-0.5
WLVO	Wesleyville baz=328	80.64	33	P	P	07 05 12.4	-0.8
I55A	Frankford baz=328	80.64	33	P	P	07 05 12.8	-0.4
BFO	Black Forest comp=Z,1.6nm,0.9s	80.64	336	e P	P	07 05 13.2	0.0
BFO	Black Forest 80.65 336	i P	P	07 05 13.0	-0.3		
K52A	Tilsonburg baz=327,SNR=5.5	80.65	33	P	P	07 05 13.7	+0.3
RETA	Reutte comp=Z,1.1nm,0.8s,SNR=6.6	80.67	334	i P	P	07 05 13.7	+0.1
MOTA	Moosehorn comp=Z,2.6nm,0.9s,SNR=9.1	80.70	337	i P	P	07 05 13.3	-0.3
PLIO	Pelee Island, baz=326	80.70	37	P	P	07 05 13.3	-0.3
N49A	Columbus Grove baz=325,SNR=9.7	80.71	39	P	P	07 05 13.3	-0.4
TYNO	Tyneside baz=327	80.73	35	P	P	07 05 14.5	+0.5
SQTA	Sancti Quirin comp=Z,1.1nm,1.0s,SNR=7.7	80.77	333	i P	P	07 05 13.4	-0.6
ABTA	Abfaltersbach comp=Z,5.1nm,1.0s	80.77	332	i P	P	07 05 13.7	-0.5
M50A	Fremont baz=326	80.81	38	P	P	07 05 13.7	-0.6
O48A	Farmland baz=324,SNR=9.7	80.82	40	P	P	07 05 14.7	+0.1
JCT	Junction City baz=318,SNR=7.6	80.84	56	P	P	07 05 13.6	-0.7
H56A	Elgin baz=329	80.85	32	P	P	07 05 13.5	-1.0
CDF	Champ du Feu 80.87 336	e P	P	07 05 14.4	-0.5		
CDF	comp=Z,2.5nm,1.1s						
P47A	Martinsburg baz=324,SNR=8.9	80.93	41	P	P	07 05 14.8	-0.1
R45A	Skyler, Fairfri baz=323	80.94	43	P	P	07 05 15.0	0.0
S44A	Carbondale baz=323,SNR=11	80.95	44	P	P	07 05 15.8	+0.3
WHTX	Lake Whitney, baz=319	81.04	53	P	P	07 05 15.1	-0.4
J54A	Appleton baz=328	81.07	34	P	P	07 05 16.0	+0.2
FETA	Feichten comp=Z,1.2nm,1.0s,SNR=6.8	81.10	334	i P	P	07 05 15.1	-0.8
KEPZ	Antalya-Kepez 81.11 315	i P	P				
KEPZ	comp=Z,9.25nm,0.5s						
DAVA	Damuels comp=Z,1.4nm,1.1s,SNR=6.3	81.12	334	i P	P	07 05 15.1	-0.7
PECO	Prince Edward baz=329	81.14	33	P	P	07 05 16.6	+0.1
MIAR	Mount Ida baz=321,SNR=21	81.21	49	P	P	07 05 15.8	-0.6
MEDO	Medina baz=328	81.23	34	P	P	07 05 15.9	-0.6
M51A	Elyria baz=326	81.24	39	P	P	07 05 16.2	-0.3
O49A	Covington baz=325	81.24	39	P	P	07 05 16.5	-0.2
N50A	Nevada baz=326,SNR=5.4	81.28	38	P	P	07 05 16.8	0.0
Q47A	Bedord North L baz=324,SNR=11	81.30	42	P	P	07 05 16.5	-0.5
P48A	Milroy baz=324,SNR=6.0	81.34	41	P	P	07 05 17.3	0.0
R46A	Gibson Southern baz=323	81.37	43	P	P	07 05 16.6	-0.6
J55A	Hilton baz=328	81.39	34	P	P	07 05 17.4	0.0
M52A	Chesterland baz=326,SNR=5.2	81.41	37	P	P	07 05 17.3	-0.2
W41B	Gary Mavity, V baz=321,SNR=11	81.42	48	P	P	07 05 16.6	-0.9
LONY	Lake Ozonia baz=330	81.44	31	P	P	07 05 17.5	-0.4
N51A	Ashland baz=326	81.50	38	P	P	07 05 16.6	-1.1
HAU	Haudompre 81.50 337	e P	P				
HAU	comp=Z,8.0nm,0.7s						
L53A	Girard baz=327,SNR=9.4	81.52	36	P	P	07 05 17.6	-0.3
HINF	Hinterfeld 81.53 336	e P	P				
HINF	comp=Z,7.0nm,1.0s						
O50A	Cable baz=325,SNR=6.5	81.59	39	P	P	07 05 18.1	-0.3
P49A	Miami Univ. Ec baz=325	81.60	40	P	P	07 05 18.4	-0.4
K54A	Basiliko Farm, baz=326,SNR=6.0	81.61	35	P	P	07 05 18.7	0.0
Q48A	North Arnon baz=324,SNR=7.2	81.63	41	P	P	07 05 18.6	-0.2
X40A	Basin Creek Fa baz=321,SNR=5.6	81.64	48	P	P	07 05 18.9	0.0
L54A	Sincleville baz=328	81.67	35	P	P	07 05 18.9	0.0
S46A	Don Dixon Farm baz=323,SNR=5.3	81.70	43	P	P	07 05 18.6	-0.5
R45A	Perry baz=328,SNR=6.0	81.75	34	P	P	07 05 19.3	0.0
K77A	Wooly Knot Far baz=324,SNR=9.7	81.77	42	P	P	07 05 19.4	0.0
T45A	Paducah baz=323	81.78	44	P	P	07 05 19.4	0.0
M53A	WI Miller and baz=327,SNR=6.6	81.78	36	P	P	07 05 19.4	-0.1
ACSO	Alum Creek Sta baz=326,SNR=6.1	81.80	39	P	P	07 05 20.3	+0.2
435B	Jarrell baz=319	81.88	54	P	P	07 05 20.0	-0.1
WCI	Wyandotte Cave comp=Z,3.1nm,1.2s	81.93	42	e P	P	07 05 20.0	-0.1
WCI	Wyandotte Cave comp=Z,3.1nm,1.2s	81.93	42	e P	P	07 05 20.2	0.0
WCI	Wyandotte Cave baz=324	81.95	40	P	P	07 05 20.2	0.0
Q49A	Aurora baz=325	81.95	40	P	P	07 05 20.2	-0.1
P50A	Jamestown baz=325,SNR=9.3	81.99	41	P	P	07 05 20.7	+0.2
R48A	Northridge Ran baz=324,SNR=9.9	82.03	38	P	P	07 05 20.5	-0.2
051A	Pataksala baz=326	82.07	35	P	P	07 05 20.5	-0.4
L55A	Hinsdale baz=328	82.07	35	P	P	07 05 21.6	+0.5
PDG	Podgorica 82.09 326	i P	P	07 05 21.0	-0.2		
T46A	Princeton baz=323,SNR=6.2	82.12	49	P	P	07 05 21.1	-0.3
M54A	Oil Creek Stat baz=327,SNR=7.1	82.14	36	P	P	07 05 21.6	+0.5
S47A	Hartford baz=324	82.17	43	P	P	07 05 21.0	-0.2
N51A	Lisbon baz=327,SNR=6.2	82.24	37	P	P	07 05 21.1	-0.3
P53A	Williamsport baz=326,SNR=5.9	82.38	39	P	P	07 05 21.0	-0.2
O52A	Adamsville baz=326,SNR=5.6	82.39	38	P	P	07 05 22.2	-0.3
R49A	Shelbyville baz=325	82.40	41	P	P	07 05 22.7	-0.2
N54A	Moraine State baz=327,SNR=6.9	82.46	36	P	P	07 05 23.0	-0.1
Q50A	Georgetown	82.49	40	P	P		
S48A	Wiedeman Farm, baz=324,SNR=7.9	82.50	42	P	P	07 05 23.2	0.0
FLN	La Foliniere comp=Z,1.7nm,0.6s	82.51	341	e P	P	07 05 22.0	-1.0
FLN	comp=Z,1.7nm,0.6s						
U46A	Springville baz=323	82.53	44	P	P	07 05 23.4	+0.1
M55A	Ridgway baz=328,SNR=7.1	82.54	35	P	P	07 05 23.1	-0.2
T47A	Sharon Grove baz=324,SNR=7.1	82.54	43	P	P	07 05 23.7	+0.3
O53A	New Philadelphia baz=321,SNR=12	82.55	37	P	P	07 05 23.1	-0.2
LDF	La Druitiere 82.59 341	e P	P				
LDF	comp=Z,9.0nm,0.5s						
Z41A	Richard Creek baz=321	82.61	49	P	P	07 05 24.1	+0.4
Q51A	Peebles baz=326,SNR=9.1	82.63	39	P	P	07 05 24.1	+0.3
X43A	Marvell baz=322	82.63	47	P	P	07 05 24.3	-0.7
P52A	Corning baz=326	82.66	38	P	P	07 05 24.0	-0.1
LBNH	Lisbon baz=322	82.70	29	P	P	07 05 24.5	+0.1
S49A	Springfield baz=325,SNR=8.3	82.76	41	P	P	07 05 24.0	-0.5
M56A	Emporium baz=328	82.76	35	P	P	07 05 25.3	+0.8
NATX	Nacoches baz=321	82.78	51	P	P	07 05 24.7	0.0
T48A	Bowling Green baz=324	82.78	43	P	P	07 05 24.7	0.0
R50A	Paris baz=325	82.80	41	P	P	07 05 25.1	+0.2
CABF	La Chapelle 82.84 336	e P	P				
CABF	comp=Z,6.0nm,0.6s						
LOR	Lormes 82.85 338	e P	P				
LOR	comp=Z,1.1nm,0.5s						
WVT	Waverly comp=Z,9.5nm,0.8s	82.88	44	e P	P	07 05 24.9	-0.2
WVT	Waverly comp=Z,10.0nm,0.8s	82.88	44	e P	P	07 05 25.2	+0.1
U47A	Clarksville baz=323	82.89	44	P	P	07 05 25.4	+0.3
GRR	Gorron 82.95 341	e P	P				
GRR	comp=Z,2.4nm,0.5s						
O54A	Avela baz=327	82.95	37	P	P	07 05 25.5	+0.1
V46A	Holladay baz=323,SNR=7.3	83.00	44	P	P	07 05 25.7	-0.1
BINY	Binghamton baz=330	83.01	33	P	P	07 05 25.0	-0.7
N55A	Marion Center baz=328,SNR=5.0	83.03	36	P	P	07 05 25.6	-0.3
P53A	Whipple baz=325	83.10	38	P	P	07 05 26.0	-0.3
R51A	Hillsboro baz=326,SNR=7.1	83.12	40	P	P	07 05 26.3	0.0
SSF	Saint Sauge 83.13 338	e P	P				
SSF	comp=Z,7.0nm,0.6s						
Q52A	Bidwell baz=326	83.16	39	P	P	07 05 26.1	-0.4
N56A	West Decatur baz=329,SNR=6.3	83.19	35	P	P	07 05 26.7	-0.1
T49A	Edmonton baz=324,SNR=5.5	83.20	42	P	P	07 05 26.8	0.0
U48A	Cassie Pea, P baz=325	83.20	43	P	P	07 05 27.0	-0.2
V47A	Nunnelly baz=324,SNR=13	83.27	44	P	P	07 05 26.3	-1.7
RAYN	Ar Rayn comp=Z,4.3nm,0.8s	83.38	297	e P	P	07 05 26.3	-1.7
RAYN	Ar Rayn comp=Z,4.0nm,0.8s	83.38	297	e P	P	07 05 27.3	-0.3
O55A	Ligonier baz=328,SNR=5.9	83.38	36	P	P	07 05 27.7	0.0
OXF	Oxford baz=323	83.38	46	P	P	07 05 27.8	0.0
P54A	Burton baz=327,SNR=5.6	83.40	37	P	P	07 05 27.7	-0.1
W46A	Michaels baz=323	83.41	45	P	P	07 05 27.1	-0.7
AVF	Avril sur Loir 83.42 338	e P	P				
AVF	comp=Z,2.4nm,0.8s						
SMF	Signal de Mont 83.43 338	e P	P				
SMF	comp=Z,4.6nm,1.1s						
SGMF	Saint Gilles 83.44 342	e P	P				
SGMF	comp=Z,2.2nm,0.6s						
LMN	Caledonia Moun comp=Z,7.7nm,0.8s	83.50	24	e P	P	07 05 28.2	-0.1
R52A	Cattlettsburg baz=328	83.51	39	P	P	07 05 27.6	-0.6
ROSF	Rostreren 83.52 343	e P	P				
ROSF	comp=Z,2.7nm,0.8s						
U49A	Red Boiling Sp baz=324,SNR=13	83.56	43	P	P	07 05 28.7	+0.1
Q53A	Leroy baz=327,SNR=9.2	83.57	38	P	P	07 05 28.7	+0.1
T50A	Nancy baz=325,SNR=14	83.59	42	P	P	07 05 28.5	-0.3
SSPA	Standing Stone baz=328	83.60	35	P	P	07 05 28.9	+0.1
MCWV	Mont Chateau baz=327	83.62	37	P	P	07 05 28.7	-0.2
N57A	Milroy baz=329,SNR=9.1	83.63	35	P	P	07 05 28.8	-0.1
O56A	Blue Knob Stat baz=328,SNR=5.9	83.63	36	P	P	07 05 28.9	-0.2
S51A	Beaverville baz=326,SNR=5.4	83.65	40	P	P	07 05 29.7	+0.5
LPL	La Plagne 83.66 335	e P	P				
LPL	comp=Z,1.5nm,0.9s						
LPG	La Plagne 83.67 335	e P	P				
LPG	comp=Z,1.4nm,0.9s						
V48A	Smith Brothers baz=324,SNR=7.0	83.68	44	P	P	0	

Table with columns: 6d 7h, U56A King, 86.16 39 P, P, 07 05 41.7 +0.1, etc. Lists various astronomical objects and their observations.

Table with columns: PLCA, SAA, SNA, SNA, SNA, VNA, SPB, Sao Paulo, 149.79 95 ePKP2, etc. Lists astronomical objects and their observations.

Table with columns: BB19B Bebedouro, 16.82 85 eP, P, 07 09 24.4 +0.6, etc. Lists astronomical objects and their observations.

BAMF	Morne Balai	38.37	8	eP	P	07 12 42.1	-0.4
DBCT	Belle View Cho	38.79	8	e	P	07 12 43.7	-2.2
MDN	Morne-Daniel	38.84	8	e	P	07 12 47.4	+1.2
DLP	La Plaine	38.87	8	e	P	07 12 41.2	+5.3
MDPO	Dominica; Chan	39.08	8	e	P	07 12 48.1	-0.1
DWS	Wesley	39.09	8	e	P	07 12 45.3	-2.6
ESPN	Las Esperanzas	39.45	332	eP	P	07 12 52.7	+1.3
	comp=Z,116nm,1.2s						
MLYT	Lee's Yard	40.13	6	e	P	07 12 50.3	-6.6
SKI	Saint Kitts	40.68	6	e	P	07 12 57.2	-4.3
ANWB	Willy Bob	41.11	7	eP	P	07 13 03.2	-1.7
	comp=Z,160nm,0.6s						
ANWB	Willy Bob	41.11	7	e	P	07 13 03.4	-1.5
ESTN	Estel	41.17	330	eP	P	07 13 06.2	+0.6
	comp=Z,88nm,0.7s						
SJG	San Juan	41.29	1	eP	P	07 13 04.2	-2.2
	comp=Z,26nm,0.8s						
SJG	San Juan	41.29	1	eP	P	07 13 04.2	-2.2
	comp=Z,26nm,0.8s						
SJG	San Juan	41.29	1	eP	P	07 13 04.3	-2.0
SDDR	Presas de Saban	42.41	353	eP	P	07 13 14.4	-1.1
	comp=Z,25nm,0.5s						
TEIG	Tepitch	48.30	332	eP	P	07 14 01.9	+0.2
	comp=Z,128nm,0.8s						
062Z	Marathon	49.90	343	eP	P	07 14 14.6	+0.9
	baz=162						
061Z	Ochooppi	50.95	343	eP	P	07 14 22.3	+0.8
	baz=161						
060Z	West Palm Beac	51.37	344	eP	P	07 14 25.2	+0.6
	baz=163						
TLIG	Tiapa	51.38	320	eP	P	07 14 27.0	+2.0
	comp=Z,31nm,0.7s						
059Z	Ave Maria	51.54	343	eP	P	07 14 26.5	+0.7
	baz=162,SNR=9.8						
060A	Indiantown	51.92	344	eP	P	07 14 29.3	+0.6
	baz=164						
059A	Moore Haven	52.06	343	eP	P	07 14 30.3	+0.6
	baz=163,SNR=8.0						
058A	Arcadia	52.32	343	eP	P	07 14 32.2	+0.6
	baz=162,SNR=11						
959A	Okeechobee	52.52	344	eP	P	07 14 33.6	+0.5
	baz=163						
958A	Wachaula	52.81	343	eP	P	07 14 35.6	+0.4
	baz=162						
957A	Wimauma	53.02	343	eP	P	07 14 37.4	+0.7
	baz=162						
859A	Kempier Cattle	53.03	344	eP	P	07 14 37.4	+0.5
	baz=163,SNR=5.2						
DWPF	Disney Wildern	53.22	344	eP	P	07 14 38.6	+0.4
	comp=Z,64nm,0.8s						
DWPF	Disney Wildern	53.22	344	eP	P	07 14 38.8	+0.6
	baz=163						
858A	St. Cloud	53.30	344	eP	P	07 14 39.1	+0.4
	baz=163						
857A	Zephyrhills	53.58	343	eP	P	07 14 40.9	+0.1
	baz=162						
758A	Lake Helen	53.97	344	eP	P	07 14 44.2	+0.6
	baz=163						
757A	Oxford	54.18	343	eP	P	07 14 45.5	+0.4
	baz=162						
658A	Bunnell	54.43	344	eP	P	07 14 47.3	+0.4
	baz=163						
656A	Williston	54.71	343	eP	P	07 14 49.2	+0.3
	baz=162						
657A	Interlachen	54.74	344	eP	P	07 14 49.5	+0.4
	baz=163,SNR=5.5						
655A	Horseshoe Beac	55.04	342	eP	P	07 14 51.3	0.0
	baz=161						
557A	Orange Park	55.11	344	eP	P	07 14 52.2	+0.4
	baz=163						
556A	Lake Butler	55.27	343	eP	P	07 14 53.2	+0.2
	baz=162						
555A	McAlpin	55.54	343	eP	P	07 14 55.2	+0.3
	baz=162						
554A	Perry	55.70	342	eP	P	07 14 56.2	+0.2
	baz=161						
456A	Hilliard	55.86	344	eP	P	07 14 57.7	+0.6
	baz=163						
453A	Crawfordville	56.02	341	eP	P	07 14 58.9	+0.6
	baz=160						
455A	Stateville	56.14	343	eP	P	07 14 59.4	+0.3
	baz=161						
552A	Lynn Haven	56.23	340	eP	P	07 15 00.0	+0.3
	baz=159						
454A	Quitman	56.28	342	eP	P	07 15 00.3	+0.2
	baz=161						
357A	Townsend	56.39	345	eP	P	07 15 01.1	+0.3
	baz=164						
356A	Blackshear	56.46	344	eP	P	07 15 01.6	+0.3
	baz=163,SNR=5.3						
453A	Whigham	56.61	342	eP	P	07 15 02.9	+0.5
	baz=160,SNR=8.0						
355A	Pearson	56.66	343	eP	P	07 15 03.0	+0.2
	baz=162						
257A	Skidaway Islan	56.81	345	eP	P	07 15 04.4	+0.6
	baz=164						
451A	Vernon	56.81	340	eP	P	07 15 04.2	+0.3
	baz=159						
452A	Marianna	56.86	341	eP	P	07 15 04.2	+0.1
	baz=160						
TIGA	Tifton	56.95	343	eP	P	07 15 04.7	-0.1
	baz=161						
256A	Glennville	57.02	344	eP	P	07 15 05.8	+0.5
	baz=163,SNR=6.2						
353A	Camilla	57.04	342	eP	P	07 15 05.5	0.0
	baz=161,SNR=7.5						
255A	Hazlehurst	57.12	344	eP	P	07 15 06.2	+0.2
	baz=162,SNR=6.2						
450A	Crestview	57.26	339	eP	P	07 15 07.1	+0.1
	baz=158						
254A	Abbeville	57.35	343	eP	P	07 15 07.6	0.0
	baz=162,SNR=5.9						
158A	Hollywood	57.36	346	eP	P	07 15 08.5	+0.9
	baz=165						
352A	Blakely	57.37	341	eP	P	07 15 07.8	0.0
	baz=160,SNR=9.7						
449A	Pace	57.42	339	eP	P	07 15 08.0	-0.1
	baz=157						
157A	Early Branch	57.48	346	eP	P	07 15 09.2	+0.8
	baz=164,SNR=6.5						
VNA3	Neumayer Olymp	57.55	161	eP	P	07 15 09.2	+0.6
156A	Sylvania	57.57	345	eP	P	07 15 09.9	+0.8
	baz=164,SNR=6.3						
Z59A	Georgetown, SC	57.65	347	eP	P	07 15 10.1	+0.5
	baz=166						
253A	Americus	57.69	342	eP	P	07 15 09.7	-0.2
	baz=161,SNR=7.9						
VNA1	Neumayer-Stat	57.74	160	eP	P	07 15 10.9	+1.1
BRAL	Brewton	57.74	339	eP	P	07 15 10.5	+0.2
	baz=158,SNR=8.7						
350A	Dozier	57.75	340	eP	P	07 15 10.3	0.0
	baz=159,SNR=5.3						
ZAIG	Zacatecas	57.77	320	eP	P	07 15 12.4	+1.3
	comp=Z,74nm,1.0s						
155A	Kite	57.78	344	eP	P	07 15 10.8	+0.3
	baz=163,SNR=7.7						
252A	Lumpkin	57.80	342	eP	P	07 15 10.5	-0.3
	baz=160,SNR=12						
Z58A	St. Stephen	57.85	347	eP	P	07 15 11.7	+0.6
	baz=166,SNR=20						
154A	Montrose	57.94	343	eP	P	07 15 11.8	+0.1
	baz=162,SNR=18						
349A	Repton	57.96	339	eP	P	07 15 12.0	+0.2
	baz=158,SNR=9.7						
Z57A	Bowman	58.01	346	eP	P	07 15 12.8	+0.7
	baz=165,SNR=24						
Z51A	Midway	58.09	341	eP	P	07 15 12.4	-0.3
	baz=160,SNR=24						
153A	Fort Valley	58.16	343	eP	P	07 15 13.1	-0.2
	baz=161						
Z56A	Williston	58.19	345	eP	P	07 15 13.9	+0.5
	baz=164,SNR=16						
V60A	Bolivia	58.19	349	eP	P	07 15 13.6	+0.3
	baz=167,SNR=7.4						
Z50A	Grady	58.24	340	eP	P	07 15 13.5	-0.3
	baz=159,SNR=15						
Z55A	Blythe	58.27	345	eP	P	07 15 14.4	+0.5
	baz=163,SNR=11						
Y59A	Loris	58.30	348	eP	P	07 15 14.3	+0.2
	baz=167,SNR=9.0						
Y58A	Scranton	58.37	347	eP	P	07 15 15.2	+0.6
	baz=166,SNR=28						
152A	Waverly Hall	58.43	342	eP	P	07 15 14.7	-0.4
	baz=160,SNR=14						
Z54A	Sparta	58.46	344	eP	P	07 15 15.3	0.0
	baz=162,SNR=14						
151A	Opelika	58.47	341	eP	P	07 15 14.8	-0.6

Z49A	Camden	58.51	339	eP	P	07 15 15.6	0.0
	baz=158,SNR=5.7						
Y56A	Pellon	58.62	346	eP	P	07 15 16.8	+0.5
	baz=164,SNR=9.0						
Y57A	Sumter	58.63	347	eP	P	07 15 17.0	+0.5
	baz=165,SNR=25						
Z53A	Monticello	58.69	343	eP	P	07 15 16.5	-0.4
	baz=162,SNR=14						
X60A	Albert Glenn T	58.70	349	eP	P	07 15 17.1	+0.2
	baz=168,SNR=11						
150A	Eclectic	58.75	341	eP	P	07 15 17.0	-0.3
	baz=159,SNR=24						
GOGA	Gosney	58.79	343	eP	P	07 15 17.3	-0.2
	baz=162,SNR=13						
X59A	McDuffie Farm,	58.81	348	eP	P	07 15 17.9	+0.2
	baz=167,SNR=26						
Z52A	Williamson	58.83	342	eP	P	07 15 17.6	-0.3
	baz=161,SNR=13						
Y55A	Saluda	58.89	345	eP	P	07 15 18.6	+0.4
	baz=164,SNR=24						
X58A	Rowland	58.94	348	eP	P	07 15 19.0	+0.5
	baz=166,SNR=22						
149A	Jones	58.98	340	eP	P	07 15 18.3	-0.5
	baz=158,SNR=17						
X57A	Johnson Farm,	59.00	347	eP	P	07 15 19.5	+0.5
	baz=165,SNR=16						
Y54A	Tignall	59.02	344	eP	P	07 15 19.2	+0.1
	baz=163,SNR=18						
W60A	Pink Hill	59.12	349	eP	P	07 15 20.1	+0.3
	baz=165,SNR=7.5						
W61A	Ground Anchor	59.12	350	eP	P	07 15 20.1	+0.4
	baz=169,SNR=6.7						
Z51A	Franklin	59.16	342	eP	P	07 15 19.9	-0.3
	baz=160,SNR=5.9						
X56A	White Oak	59.23	346	eP			

G40A	Rib Lake	71.69 343	P	P	07 16 39.8 -0.3
D47A	Chapleau	71.74 348	P	P	07 16 39.9 -0.5
D46A	Sault Ste. Marie	71.76 347	P	P	07 16 40.0 -0.5
Q24A	Divide	71.83 329	P	P	07 16 42.9 +1.4
E44A	Grand Marais A	71.90 346	P	P	07 16 41.6 +0.3
E43A	Lone Tree Farm	71.91 345	P	P	07 16 41.1 -0.3
G39A	Holcombe	71.98 342	P	P	07 16 41.4 -0.5
OGNE	Ogallala	72.05 332	P	P	07 16 43.6 +1.1
MVCO	Mesa Verde	72.12 326	P	P	07 16 44.7 +1.5
F40A	Parr Falls	72.27 343	P	P	07 16 43.6 0.0
ECSO	EROS Data Cent	72.32 338	P	P	07 16 43.8 -0.2
WUJAZ	Wupatki	72.39 323	P	P	07 16 46.7 +1.9
SPMM	Marine on St.	72.40 341	P	P	07 16 43.8 -0.6
F39A	Loretta	72.49 342	P	P	07 16 44.7 -0.2
GLA	Glamis	72.63 319	P	P	07 16 47.6 +1.6
ISCO	Idaho Springs	72.71 329	P	P	07 16 48.2 +1.5
LSQO	Lebel-sur-Quev	72.76 353	P	P	07 16 46.2 -0.2
F38A	Pierce - Schro	72.80 342	P	P	07 16 46.6 -0.1
F37A	Hilrichs Farm	72.80 341	P	P	07 16 46.5 -0.2
D41A	Chassel	72.93 344	P	P	07 16 47.6 +0.2
Y12C	Blythe	72.94 320	P	P	07 16 49.5 +1.8
PV03	Paradox Valley	73.09 326	eP	P	07 16 49.7 +0.8
PDMC1	Parker Dam,Lak	73.10 320	P	P	07 16 50.2 +1.5
IKP	In-Ko-Pah, Jac	73.14 318	P	P	07 16 50.9 +1.8
SWSC	Sam W. Stewart	73.15 318	P	P	07 16 50.7 +1.7
E38A	The Farm, Brul	73.30 342	P	P	07 16 49.2 -0.4
CHGQ	Chibougama	73.34 355	P	P	07 16 49.6 -0.2
BC3	Big Chuckwall	73.43 319	P	P	07 16 52.3 +1.5
MCN2	Monument Peak	73.50 318	P	P	07 16 53.0 +1.6
BAR	Barrel	73.51 318	eP	P	07 16 53.0 +1.8
MATO	Matagami	73.53 353	P	P	07 16 50.3 -0.5
IRM	Iron Mountain	73.59 320	P	P	07 16 53.3 +1.7
N23A	Red Feather L	73.74 330	P	P	07 16 54.2 +1.7
SUSD	Miller	73.78 336	P	P	07 16 52.4 0.0
C40A	Isle Royale Na	73.87 344	P	P	07 16 52.7 -0.2
109C	Camp Elliot, M	73.92 317	P	P	07 16 54.7 +1.2
SYO	Syowa Base	73.92 159j	eP	P	07 16 52.4 -0.6
SYO	Syowa Base	73.92 159j	eP	P	07 17 04.8 -2.5
BELC	Belle Mtn. J	73.99 319	P	P	07 16 55.8 +1.7
PFO	Pinyon Flats O	74.01 318	eP	P	07 16 56.1 +1.9
PFO	Pinyon Flats O	74.01 318	eP	P	07 16 56.1 +1.9
PFO	Pinyon Flats O	74.01 318	eP	P	07 16 55.9 +1.7
O20A	White River C	74.23 328	P	P	07 16 57.0 +1.6
GMBR	Granite Mounta	74.33 320	P	P	07 16 58.2 +1.9
SBA	Scott Base	74.33 190	eP	P	07 16 57.0 +1.6
SBA	Scott Base	74.33 190	eP	P	07 16 57.2 +2.0
MURC	Murrieta	74.45 318	P	P	07 16 58.3 +1.6
EYMN	Ely	74.51 343	P	P	07 16 56.1 -0.5
BBRC	Big Bear Solar	74.73 319	P	P	07 17 00.5 +2.0
HEC	Hector,Ludlow	74.76 319	P	P	07 17 00.5 +2.0
SC12	San Clemente I	74.88 317	P	P	07 17 00.5 +1.5
TUQ	Turquoise Moun	74.94 320	P	P	07 17 00.9 +1.4
CIS	Catalina Islan	75.08 317	P	P	07 17 01.7 +1.5
BFSC	Mount Baldy R	75.17 318	P	P	07 17 02.1 +1.3
RRX	Edison Barstow	75.19 319	P	P	07 17 02.8 +1.9
FMP	Fort MacArthur	75.21 317	P	P	07 17 02.4 +1.6
VNDA	Vanda	75.33 190	eP	P	07 17 02.2 +1.2
VNDA	Vanda	75.33 190	eP	P	07 17 02.5 +1.5
VNDA	Vanda	75.33 190	eP	P	07 17 02.5 +1.5
GSC	Goldstone, Bar	75.37 319	P	P	07 17 03.7 +1.8
K22A	Casper	75.39 313	P	P	07 17 03.4 +1.4
SHOC	Shoshone, Tecc	75.46 320	P	P	07 17 03.7 +1.3
RSSD	Black Hills	75.50 333	eP	P	07 17 03.8 +1.2
RSSD	Black Hills	75.50 333	eP	P	07 17 03.8 +1.2
RSSD	Black Hills	75.50 333	eP	P	07 17 03.5 +0.9
DECC	Green Verdugo	75.59 318	P	P	07 17 04.8 +1.7
EDW2	Edwards Air Fo	75.80 318	P	P	07 17 05.5 +1.2
BLG	Laguna Peak, P	75.95 317	P	P	07 17 06.4 +1.3
TORD	Torodi Ar. Bea	75.96 69	P	P	07 17 03.2 -2.4
LRMC	Laurel Mtn Ra	76.07 319	P	P	07 17 07.1 +1.5
OSI	Osito Audit. C	76.07 318	P	P	07 17 07.1 +1.2
AGMM	Agassiz Nation	76.09 340	P	P	07 17 05.5 -0.1
TPNV	Topopah Spring	76.17 321	P	P	07 17 08.6 +2.0
FURC	Furnace Creek,	76.20 320	P	P	07 17 08.4 +2.0
SC22	Santa Cruz Isl	76.23 317	P	P	07 17 08.0 +1.3
MPMC	Manual Prospec	76.29 320	P	P	07 17 08.6 +1.3
ARVC	Arvin	76.47 318	P	P	07 17 09.5 +1.5
DUG	Dugway, Tooele	76.58 325	P	P	07 17 10.4 +1.7
ISA	Isabella, Lake	76.61 319	eP	P	07 17 10.4 +1.5
ISA	Isabella, Lake	76.61 319	eP	P	07 17 10.5 +1.5
ISA	Isabella, Lake	76.61 319	eP	P	07 17 10.7 +1.8
R11A	Troy Canyon, C	76.77 322	P	P	07 17 11.9 +2.0
GRAC	Grapevine Rang	76.85 320	P	P	07 17 12.0 +1.8

BW06	Boulder Array	76.89 329	P	P	07 17 11.4 +0.9
PDAR	Pinedale Array	76.89 329	P	P	07 17 11.3 +0.8
CWC	Cottonwood Cre	76.90 320	P	P	07 17 12.1 +1.5
PKM	Mpherson Peak	76.92 317	P	P	07 17 12.6 +1.8
MDND	Maddock	76.93 338	P	P	07 17 11.2 +0.9
YES	Vestal, Richgr	77.10 319	P	P	07 17 13.0 +1.5
SMMC	Simler	77.32 318	P	P	07 17 14.7 +1.9
TTIG	Trine Tigouga,	77.35 49	P	P	07 17 15.0 +1.8
TSUM	Tsumeb	77.39 106	eP	P	07 17 13.5 -0.3
TIN	Tinemaha, Bg	77.40 320	P	P	07 17 15.1 +1.8
VOG	Valley Oaks Go	77.60 319	P	P	07 17 14.7 +0.4
ULM	Lac du Bonnet	77.83 341	P	P	07 17 15.1 -0.1
SCHO	Schefferville	77.94 360	P	P	07 17 16.0 +0.3
MLAC	Mammoth, Mam	78.12 320	P	P	07 17 19.2 +1.6
NVAR	Mina Array Bea	78.37 321	P	P	07 17 20.1 +1.4
NVAR	Mina Array Bea	78.37 321	P	P	07 20 19.6 +0.3
LAO	LASA Array	78.48 333	P	P	07 17 20.0 +1.0
RLMT	Red Lodge	78.56 331	P	P	07 17 21.1 +1.3
H17A	Grant Village	78.61 329	P	P	07 17 21.8 +1.0
OUZM	Ouz	78.73 49	P	P	07 17 22.0 +1.3
DGMT	Dagmar	79.12 336	P	P	07 17 23.7 +1.3
HLUD	Hailey	79.85 327	P	P	07 17 28.6 +2.0
BOZ	Bozeman (W)	80.00 330	P	P	07 17 28.3 +1.0
GOLM	Golconda	80.45 49	P	P	07 17 32.0 +2.0
BOSA	Bosch	80.60 117	eP	P	07 17 30.2 -0.8
BOSA	Bosch	80.60 117	eP	P	07 17 30.3 -0.8
BOSA	Bosch	80.60 117	eP	P	07 17 30.3 -0.8
ARF	Arif	80.81 50	P	P	07 17 33.1 +1.2
EGMT	Eagleton	81.01 332	P	P	07 17 33.0 +0.4
PVFI	Vila Bisbo	81.10 43	eP	P	07 17 34.3 +1.1
CZD	Col de Zed	81.15 48	P	P	07 17 36.0 +2.1
O03E	Paynes Creek	81.64 321	P	P	07 17 36.2 +0.1
LCRM	Lac	81.65 48	P	P	07 17 38.0 +1.6
PBDV	Sarranco-do-ve	81.74 43	eP	P	07 17 37.7 +1.1
MAW	Mawson	81.85 163	P	P	07 17 37.4 +0.7
PNCL	Nicoula / Verd	81.89 43	eP	P	07 17 38.1 +0.8
PCVE	Castro Verde	81.91 43	eP	P	07 17 38.6 +1.2
MESJ	Messejana	81.92 43	eP	P	07 17 38.1 +0.6
MESJ	Messejana	81.92 43	eP	P	07 17 38.6 +1.2
MSO	Missoula	81.99 329	P	P	07 17 39.0 +1.2
O02D	Mt. Diablo Mer	82.14 320	P	P	07 17 39.2 +0.5
LBTB	Lobatse	82.22 114	eP	P	07 17 39.4 -0.2
LBTB	Lobatse	82.22 114	eP	P	07 17 39.4 -0.2
PBEJ	Beja	82.25 43	eP	P	07 17 41.4 +2.2
ALMR	Almeirim	82.51 42	eP	P	07 17 41.0 +0.5
N02D	Trinity Center	82.60 321	P	P	07 17 41.1 +0.1
M04C	Macdoel	82.62 322	P	P	07 17 42.1 +0.9
PMTG	Montargil	82.67 42	eP	P	07 17 41.9 +0.6
PTOM	Tom	82.89 41	eP	P	07 17 43.8 +1.3
M02C	Callahan	82.95 321	P	P	07 17 43.0 +0.2
PCAS	Casmilo, Conde	83.11 41	eP	P	07 17 45.0 +1.4
K04D	Chiloquin, OR	83.12 322	P	P	07 17 44.7 +1.0
L04D	Klamath Falls	83.17 322	P	P	07 17 44.4 +0.4
J05D	Fort Rock, OR	83.26 323	P	P	07 17 45.7 +1.2
FIGM	Figuig	83.29 51	P	P	07 17 46.0 +1.1
FFC	Filin Filon	83.57 340	iP	P	07 17 46.3 +0.8
PCBR	Castelo Branco	83.60 42	eP	P	07 17 47.0 +1.0
J04D	Umpqua Nationa	83.72 323	P	P	07 17 47.7 +0.9
TAM	Tamanrasset	83.74 62	eP	P	07 17 47.8 +0.4
TAM	Tamanrasset	83.74 62	eP	P	07 17 47.8 +0.4
L02E	Cave Junction	83.87 321	P	P	07 17 48.7 +1.3
PVIS	Visu	83.88 41	eP	P	07 17 48.7 +1.2
MTE	Manteigas	83.90 41	eP	P	07 17 49.3 +1.6
I05D	Terrebonne, OR	84.01 324	P	P	07 17 49.5 +1.4
I04A	Tendick Farm,	84.21 323	P	P	07 17 49.6 +0.3
K02D	Willamette Mer	84.25 322	P	P	07 17 50.7 +1.4
PVRL	Vila Real	84.33 40	eP	P	07 17 53.0 +3.2
POLO	Lamas de Olo	84.35 40	eP	P	07 17 53.9 +4.0
PGAV	Gavieira, Arr	84.43 40	eP	P	07 17 52.3 +2.0
NEW	Newport	84.53 329	P	P	07 17 50.4 -0.1
G05D	Wamoc, OR	84.59 325	P	P	07 17 52.4 +1.4
MVO	Moncorvo	84.68 41	eP	P	07 17 53.0 +1.5
J01E	Myrtle Point	84.69 322	P	P	07 17 52.4 +1.0
I03D	Draught, OR	84.70 322	P	P	07 17 52.5 +1.1
H04D	Lebanon	84.89 323	P	P	07 17 53.5 +1.1
F05D	White Salmon	85.09 325	P	P	07 17 54.4 +1.0
PBRG	Braganca	85.23 40	eP	P	07 17 54.9 +0.6
I02D	Swisshome	85.24 323	P	P	07 17 55.5 +1.3
COR	Corvallis	85.24 323	eP	P	07 17 55.5 +1.4
COR	Corvallis	85.24 323	eP	P	07 17 55.5 +1.4
PAB	San Pablo	85.37 43	eP	P	07 17 55.6 +0.6
PAB	San Pablo	85.37 43	eP	P	07 17 55.6 +0.6
G03D	McMinnville, O	85.62 324	P	P	07 17 57.3 +1.3
ESDC	Sonsea Array	85.68 43	P	P	07 17 57.3 +0.7
F04D	Rainier Array	86.04 324	P	P	07 17 59.1 +1.0

E04D	Cinebar	86.11 325	P	P	07 17 58.8 +0.4
D04E	Lakebay	86.62 325	P	P	07 18 02.0 +1.2
B05A	Bryant	86.97 327	P	P	07 18 02.7 +0.2
D03D	Eldon	87.01 326	P	P	07 18 03.7 +1.0
A04D	Lummi Island	87.58 327	P	P	07 18 05.9 +0.6
LSZ	Lusaka	88.24 106	eP	P	07 18 10.7 +1.1
LSZ	Lusaka	88.24 106	eP	P	07 18 10.7 +1.1
CASY	Casey	90.55 179	eP	P	07 18 20.4 +1.2
YKA	Yellowknife Ar	93.74 340	P	P	07 18 33.9 +0.2
ILAR	Eielson Array	106.94 334	Pdf	P	07 19 32.6 -0.2
ILAR	Eielson Array	106.94 334	Pdf	P	07 20 00.9 -0.9
AKASO	Malin Array Be	111.32 43	ePKIP	PKIP	07 23 48.9 -1.0
AKBB	Malin Array Si	111.32 43	ePKIP	PKIP	07 23 48.9 -1.0
AKBB	Malin Array Si	111.32 43	ePKIP	PKIP	07 23 48.9 -1.0
FIAD	FINES Array B	111.52 31	ePKIP	PKIP	07 34 46.1 -0.9
FINES	FINES Array B	111.52 31	ePKIP	PKIP	07 34 46.1 -0.9
BR101	Keskin Array S	112.13 55	ePKIP	PKIP	07 34 53.2 +1.3
BRTR	Keskin Array S	112.13 55	ePKIP	PKIP	07 34 53.2 +1.3
ARAO	ARCES Array B	112.43 22	ePKIP	PKIP	07 34 42.1 -2.1
ARCES	ARCES Array B	112.43 22	ePKIP	PKIP	07 34 42.1 -2.1
KBZ	Khabaz	119.59 52	ePK	PKIP	07 24 06.5 +0.4
PRGR	Pernomog	120.85 31	ePKIP	PKIP	07 24 07.1 -0.8
BILL	Bilibino	125.12 339j	ePKIP	PKIP	07 24 16.4 +0.1</

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like TKM2 Tokmak 2, DGS Degeres, KUU Kurty, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KURS, SATY Saty, ARXS Arharly, etc.

Table with columns: Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like GAZI Gazipasa, AKHS Akhshir, CHOS Chios island, etc.

JMA 06:08:09:53.6-0.1,29.82N,139.88E,h398km,M3.7, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CBJJ Chichi jima, JHH2 Haha-jima-NKT2, etc.

ATH 06:08:41:38.0,36.38N,28.90E,h53km,7km,ML3.0, Error ellipse: s-maj=8.0km s-min=1.5km az=132.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KURS, SATY, ARXS, CHKK, KOTS, etc.

MEX 06:08:46:42.6-0.4,15.55N,96.20W,h12km,1km,MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like HUIG Huatulco, PANG Puerto Angel, etc.

SVSA 06:08:11:20.2-0.8,39.53N,30.00W,h10km,MD3.6,ML2.7, Error ellipse: s-maj=23.6km s-min=7.6km az=46.0, Azores Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like PCED Cedros, CALA Caldeira, PCAN Candelaria, etc.

ISCJB 06:08:41:37.2-0.3,36.28N,0.02-28.92E,0.03,h76km,4km, Error ellipse: s-maj=4.4km s-min=3.4km az=31.7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KSL Kastellorizon, AKAS Kas, DALY Dalyan (Mula), etc.

UCR 06:08:46:57.3-1.8,8.72N,83.07W,h28km,6km,MW3.6,1C, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like EDPN Palmar Norte, EDPA Durica, EDLM Las Mercedes, etc.

SOME 06:08:18:40.5,44.60N,82.13E,h10km, Error ellipse: s-maj=11.4km s-min=4.2km az=123.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like DJR Jarkent, KMTS Ketmen, MK31 Makanchi Array, etc.

ISC 06:08:18:36.7-1.3,44.65N,0.05-82.45E,0.06,h10km,n34, c108/55,4C-2D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like AKAS Kas, DALY Dalyan (Mula), ARG Arkhangelos, etc.

ISC 06:09:22:35.7-2.5,37.0N,0.02-69.8E,0.1,h25km,n8, c296/7,2C, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KK31 Karatay Array, TKM2 Tokmak 2, GYTY Gyltalyk, etc.

GYA0B	ALIBECK ARRAY	10.73 282 ePn	Pn	10 27 05.2	-2.1
PYUN	Piuthan	12.83 127 eP	P	10 27 33.7	-1.5
MAKZ	Makanchi	13.00 34 ePn	Pn	10 27 34.5	-2.5
MAKZ	Makanchi	13.00 34 eP	P	10 27 34.6	-2.5
MK31	Makanchi Array	13.13 35 ePn	Pn	10 27 37.4	-1.4
MK31	Makanchi Array	13.13 35 iP	P	10 27 38.6	-0.2
MK31	Makanchi Array	13.13 35 iP	P	10 27 38.4	-1.4
MKAR	Makanchi Array	13.13 35 eP	P	10 27 37.4	-1.4
MKAR	Makanchi Array	13.13 35 eP	P	10 27 38.0	-0.8
DANN	Dangsing	13.17 124 eP	P	10 27 38.4	-1.3
KOLN	Koldang	13.45 127 eP	Pn	10 27 42.5	-0.8
WMQ	Urumqi	14.44 54 eP	Pn	10 27 55.7	0.0
WMQ			LR		
WMQ			LR		
WMQ			LR		
DMN	Daman	14.55 123 eP	Pn	10 27 56.4	-1.0
KKN	Kakani	14.55 122 eP	Pn	10 27 55.9	-1.5
PKIN	Phulchoki	14.77 123 eP	Pn	10 27 59.6	-0.6
PKI	Pulchoki	14.78 123 eP	Pn	10 27 59.6	-0.6
KURBB	Kurchatov Arra	15.06 18 eP	Pn	10 28 00.6	-2.8
KURBB	Kurchatov Arra	15.06 18 iP	Pn	10 28 00.3	-3.1
KURK	Kurchatov	15.17 18i eP	Pn	10 28 03.5	-1.3
JIRN	Jiri	15.26 121 eP	Pn	10 28 06.0	-0.5
AB31	Akbulak array	15.30 330 P	Pn	10 28 02.8	-3.7
AB31	Akbulak array	15.30 330 P	Sn	10 30 38.5	-1.7
AB31	Akbulak array	15.30 330 P	Pmax	10 28 02.8	-3.7
AB31	Akbulak array	15.30 330 P	Pmax	10 28 02.8	-3.7
ABKAR	Akbulak array	15.30 330 ePn	Pn	10 28 03.7	-2.8
BVA2	Borovyoye Array	16.59 358 iP	Pn	10 28 19.1	-3.2
BVA2	Borovyoye Array	16.59 358 P	Pn	10 28 19.1	-3.2
BVA2	Borovyoye Array	16.59 358 P	Pmax	10 28 19.1	-3.2
BVA2	Borovyoye Array	16.59 358 P	Pmax	10 28 19.1	-3.2
BVAR	Borovyoye	16.59 358 P	Pn	10 28 20.8	-1.7
BVAR	Borovyoye	16.59 358 P	S	10 31 26.0	-0.6
BRVK	Borovyoye	16.63 358 eP	P	10 28 21.3	-1.6
BRVK	Borovyoye	16.63 358 eP	P	10 28 21.3	-1.6
AKTO	Aktyubinsk	17.00 329 eP	P	10 28 23.4	+0.1
AKTO	Aktyubinsk	17.00 329 eP	P	10 28 25.5	-2.0
AKTO	Aktyubinsk	17.00 329 eP	Sn	10 31 20.1	-1.6
AKTO	Aktyubinsk	17.00 329 eP	Pn	10 28 25.5	-2.0
AKTO	Aktyubinsk	17.00 329 eP	Pn	10 28 25.5	-2.0
DGZ	Dzhalozor	17.61 36 deP	Pn	10 28 34.9	-0.1
ZAA0	Zalesovo Array	19.82 24 eP	Pn	10 28 57.6	-0.6
ZALV	Zalesovo Beam	19.82 24 P	P	10 28 58.8	+0.6
GNI	Garni	21.25 288 P	P	10 29 14.5	+0.7
GNI	Garni	21.25 288 eP	P	10 29 11.8	-2.0
GNI	Garni	21.25 288 deP	P	10 29 15.6	+1.7
GNI	Garni	21.25 288 deP	Pmax	10 29 15.6	+1.7
SVE	Sverdlovsk	21.64 344 eP	P	10 29 20.8	+3.1
ARU	Arti	21.80 341 P	P	10 29 19.2	-0.1
ARU	Arti	21.80 341 eP	S	10 33 12.4	-0.8
ARU	Arti	21.80 341 eP	P	10 29 17.6	-1.7
ARU	Arti	21.80 341 deP	P	10 29 20.2	+2.6
ARU	Arti	21.80 341 deP	S	10 29 46.0	
ARU	Arti	21.80 341 deP	S	10 33 18.7	+5.5
ARU	Arti	21.80 341 deP	S	10 33 54.9	+5.4
ZEI	Tsey	22.08 295 eP	P	10 29 26.2	+3.5
ZEI	Tsey	22.08 295 eP	Pmax	10 29 26.2	+3.5
KBZ	Khabaz	22.94 297 P	P	10 29 28.5	-2.5
NEY	Neytrino	23.00 296 eP	P	10 29 33.6	+1.7
NEY	Neytrino	23.00 296 eP	i*PP	10 29 56.4	+2.0
NEY	Neytrino	23.00 296 eP	P	10 29 56.4	+2.0
KIV	Kislovodsk	23.12 298 eP	P	10 29 33.3	+0.4
KIV	Kislovodsk	23.12 298 eP	S	10 33 38.1	+2.7
KIV	Kislovodsk	23.12 298 eP	Pmax	10 29 33.3	+0.4
KIV	Kislovodsk	23.12 298 eP	MLR	10 29 33.3	+0.4
LZH	Lanzhou	26.07 81 eP	P	10 29 58.4	-1.4
LZH	Lanzhou	26.07 81 eP	pP	10 30 24.0	-1.5
LZH	Lanzhou	26.07 81 eP	sP	10 30 37.2	-2.0
LZH	Lanzhou	26.07 81 eP	PP	10 30 49.1	+4.0
LZH	Lanzhou	26.07 81 eP	Pmax	10 30 49.1	+4.0
BRTR	Brest	29.79 288 P	P	10 30 32.1	-0.7
CHMC	Chiang Mai Arr	30.12 119 P	P	10 30 36.6	+0.8
HAR	Hu-ho-hao-tse	31.45 70 P	P	10 30 48.5	+1.0
HHC	Hu-ho-hao-tse	31.45 70 P	Pmax	10 30 48.5	+1.0
AKASG	Main Array Be	33.25 309 P	P	10 31 03.1	+0.2
AKASG	Main Array Be	33.25 309 eP	P	10 31 04.1	+1.2
AKASG	Main Array Be	33.25 309 eP	Pmax	10 31 03.1	+0.2
AKASG	Main Array Be	33.25 309 eP	Pmax	10 31 03.1	+0.2
AKBB	Main Array Si	33.25 309 eP	P	10 31 01.0	-1.9
AKBB	Main Array Si	33.25 309 eP	Pmax	10 31 01.0	-1.9
AKBB	Main Array Si	33.25 309 eP	Pmax	10 31 01.0	-1.9
AKBB	Main Array Si	33.25 309 eP	Pmax	10 31 01.0	-1.9
BJI	Beijing	35.04 70 eP	P	10 31 19.1	+0.6
BJI	Beijing	35.04 70 eP	Pmax	10 31 19.1	+0.6
MLR	Muntele Rosu	35.11 299 P	P	10 31 20.8	+1.6
MLR	Muntele Rosu	35.11 299 P	Pmax	10 31 20.8	+1.6
WHN	Wuhan	36.04 87 P	P	10 31 33.1	+5.9
KOLS	Kolonice sedl	37.59 305 eP	P	10 31 42.0	+1.9
KOLS	Kolonice sedl	37.59 305 eP	P	10 31 42.0	+1.9
LZV	Lozovro	37.64 338 P	P	10 31 40.7	+0.4
LZV	Lozovro	37.64 338 P	Pmax	10 31 40.7	+0.4
FINES	FINES Array B	37.72 326 P	P	10 31 41.7	+0.7
SUF	Sumnainen	38.15 328 P	P	10 31 45.3	+0.7
SUF	Sumnainen	38.15 328 P	Pmax	10 31 45.3	+0.7
MSF	Maasela	38.39 334 P	P	10 31 47.3	+0.7
MSF	Maasela	38.39 334 P	Pmax	10 31 47.3	+0.7
NIE	Niedzica	38.89 306 P	P	10 31 53.5	+2.5
NIE	Niedzica	38.89 306 P	Pmax	10 31 53.5	+2.5
OUL	Oulu	39.19 331 P	P	10 31 54.8	+1.6
OUL	Oulu	39.19 331 P	Pmax	10 31 54.8	+1.6
VYHS	Vyhne	39.88 304 eP	P	10 32 01.8	+2.6
VYHS	Vyhne	39.88 304 eP	P	10 32 01.8	+2.6
MORC	Moravsky Berou	40.68 307 P	P	10 32 06.9	+1.1
MORC	Moravsky Berou	40.68 307 P	Pmax	10 32 06.9	+1.1
ARCES	ARCCESS Array B	41.33 338 P	P	10 32 12.0	+1.2
ARCES	ARCCESS Array B	41.33 338 P	P	10 32 11.7	+0.9
DPC	Dobruska-Polom	41.44 337 eP	P	10 32 13.1	+1.0
DPC	Dobruska-Polom	41.44 337 eP	Pmax	10 32 13.1	+1.0
KTK1	Kautokeino	41.81 336 eP	P	10 32 14.5	-0.2
HAMF	Hammerfest	42.40 339 eP	P	10 32 19.6	+0.1

BRG	Berggiesshubel	42.93 308 eP	P	10 32 25.1	+1.0
BRG	Berggiesshubel	42.93 308 eP	Pmax	10 32 25.1	+1.0
BRG	Berggiesshubel	42.93 308 eP	Pmax	10 32 25.1	+1.0
CLL	Collm	43.50 309 iP	Pmax	10 32 30.2	+1.6
CLL	Collm	43.50 309 iP	P	10 32 30.2	+1.6
MORB	Moi Rana	44.03 331 eP	P	10 32 33.1	+0.4
NORES	NORESS Array B	44.45 323 P	Pmax	10 32 35.2	-0.9
NORES	NORESS Array B	44.45 323 P	Pmax	10 32 35.2	-0.9
NB2	NORSAR Subarra	44.63 323 P	P	10 32 37.6	0.0
NB2	NORSAR Subarra	44.63 323 P	P	10 32 37.6	0.0
NOA	NORSAR Array B	44.63 323 P	P	10 32 37.9	+0.3
NSS	Namsos	44.73 328 eP	P	10 32 36.8	-1.4
NAO01	NORSAR Array S	44.78 323 eP	P	10 32 39.0	+1.3
KONO	Kongsberg	45.35 321 eP	Pmax	10 32 44.5	+0.3
KONO	Kongsberg	45.35 321 eP	Pmax	10 32 44.5	+0.3
KONO	Kongsberg	45.35 321 eP	Pmax	10 32 44.1	+1.0
TIXI	Tiksi	45.69 22 P	Pmax	10 32 47.3	+1.6
HOMB	Homborsund	45.89 319 eP	P	10 32 45.8	-1.6
BFO	Black Forest	46.85 305 P	Pmax	10 32 56.9	+1.7
BFO	Black Forest	46.85 305 P	Pmax	10 32 56.9	+1.7
BLSS	Bergen	46.95 321 eP	P	10 32 54.1	-1.7
BER	Bergen	47.00 322 eP	P	10 32 58.3	-1.7
TORD	Torodi Ar. Bea	47.67 269 P	P	10 35 09.7	-2.1
INK	Inuvik	73.90 9 P	P	10 36 01.0	+2.2
INK	Inuvik	73.90 9 P	P	10 36 01.0	+2.2
ILAR	Ilar	74.73 16 P	P	10 36 05.2	+1.5
KDAA	Kodiak Island	79.11 22 P	P	10 36 30.2	+1.8
YKA	Yellowknife Ar	81.28 3 P	P	10 36 41.8	+2.0
WRA	Warramunga Arr	81.66 122 P	P	10 36 43.9	+1.3
ASAR	Alite Springs	83.94 125 P	P	10 36 56.3	+2.0
ASAR	Alite Springs	83.94 125 P	P	10 36 56.3	+2.0
CTA	Charters Tower	90.20 115 P	P	10 37 26.5	+1.9
CTA	Charters Tower	90.20 115 P	P	10 37 26.5	+1.9

MEX 10:10:36:17.1d.0.5, 15.92N-98.47W, h9km, 8km, MD3.7, Off coast of Guerrero

Code	Station Name	Δ° AZ°	Phase ID	Time Res
TLIG	Tapla	1.64 357 eP	Pn	10 36 42.4 -3.8
VHG	Vista Hermosa	2.02 55 eS	Pn	10 37 02.9 -4.8
VHO	Vista Hermosa	2.05 55 eS	Pn	10 36 49.1 -2.5
CAIG	Ei Cayaco	2.05 303 eP	Pn	10 37 12.4 -4.7
CAIG	Ei Cayaco	2.05 303 eP	Pn	10 36 48.5 -3.3
HUIG	Huatulco	2.28 93 eP	Pn	10 37 13.2 -4.4
HUIG	Huatulco	2.28 93 eP	Pn	10 36 51.4 -3.5
HUIG	Huatulco	2.28 93 eP	Pn	10 37 18.2 -5.0

NEIC 06 10:41:19.5d.0.1, 17.05N-94.11W, h174km, MD4.1(MEX), After MEX.

MEX 10:41:19.4d.0.8, 17.06N-94.11W, h175km, 8km, MD4.1, Chiapas

Code	Station Name	Δ° AZ°	Phase ID	Time Res
CMIG	Matias Romero	0.74 273 eP	Pn	10 41 44.2 0.7
CMIG	Matias Romero	0.74 273 eP	Pn	10 42 02.2 -2.3
CMIG	Matias Romero	0.74 273 eP	Pn	10 41 44.2 -0.7
CMIG	Matias Romero	0.74 273 eP	Pn	10 42 02.2 -2.3
CMIG	Matias Romero	0.74 273 eP	Pn	10 41 45.4 -1.2
CMIG	Matias Romero	0.74 273 eP	Pn	10 42 04.5 -3.0
CMIG	Matias Romero	0.74 273 eP	Pn	10 41 45.4 -1.2
CMIG	Matias Romero	0.74 273 eP	Pn	10 42 04.5 -3.0
CCIG	Comitan	2.04 112 ePn	Pn	10 41 56.4 -0.4
CCIG	Comitan	2.04 112 ePn	Pn	10 42 24.6 -1.1
HUIG	Huatulco	2.31 237 ePn	Pn	10 41 57.8 -1.9
HUIG	Huatulco	2.31 237 ePn	Pn	10 42 28.8 -2.0
HUIG	Huatulco	2.31 237 ePn	Pn	10 41 57.8 -1.9
HUIG	Huatulco	2.31 237 ePn	Pn	10 42 28.8 -2.0
HUIG	Huatulco	2.31 237 ePn	Pn	10 42 02.2 0.0
HUIG	Huatul			

BDI	comp=N,1235µm,0.4s	AML	AML	SEI	comp=E,766µm,0.5s	AML	AML	LPG	SNR=1.0	eSn	Sn	11 57 16.8 -2.7	
BDI	comp=E,1135µm,1.1s	AML	AML	SEI	comp=N,1795µm,0.6s	AML	AML	LPL	comp=N,9.4nm,0.5s	2.76 301 ePn	Pn	11 56 46.2 0.0	
BDI	comp=N,912µm,0.4s	AML	AML	SEI	comp=E,766µm,0.5s	AML	AML	LPL	La Plagne	eSn	Pn	11 57 18.5 -1.4	
BDI	comp=E,1230µm,1.3s	AML	AML	SEI	comp=N,1795µm,0.6s	AML	AML	FETA	Feichten	2.90 8 Pn	Pn	11 56 51.3 +3.2	
BDI	comp=N,1235µm,0.4s	AML	AML	SEI	comp=E,766µm,0.5s	AML	AML	FETA	comp=N,2.5nm,0.4s		Sn	11 57 20.7 -2.6	
BDI	comp=N,1235µm,0.4s	AML	AML	SEI	comp=N,1795µm,0.6s	AML	AML	TRI	comp=N,6.5nm,0.8s	3.03 58 AML	AML		
BDI	comp=N,912µm,0.4s	AML	AML	SEI	comp=E,766µm,0.5s	AML	AML	TRI	Trieste	comp=E,48µm,1.5s	AML	AML	
BDI	comp=N,1235µm,0.4s	AML	AML	RUFU	Rufina	1.06 107 AML	AML	TRI	comp=N,31µm,0.6s	AML	AML		
BDI	comp=E,1135µm,1.1s	AML	AML	RUFU	comp=E,366µm,0.4s	AML	AML	TRI	comp=N,31µm,0.6s	AML	AML		
BDI	comp=N,912µm,0.4s	AML	AML	CSNT	comp=N,286µm,0.6s	1.10 128 P	Pg	TRI	comp=E,48µm,1.5s	AML	AML		
BDI	comp=N,1235µm,0.4s	AML	AML	CSNT	Castellina Chi	AML	AML	TRI	comp=N,31µm,0.6s	AML	AML		
BDI	comp=E,1230µm,1.3s	AML	AML	CSNT	comp=E,338µm,0.7s	AML	AML	ABTA	comp=N,31µm,0.6s	3.10 32 ePn	Pn	11 56 52.6 +1.9	
BDI	comp=N,1235µm,0.4s	AML	AML	CSNT	comp=N,462µm,0.4s	AML	AML	ABTA	Abfattersbach	Sn	Sn	11 57 28.6 +0.6	
MAIM	comp=E,1135µm,1.1s	0.37 131 P	Pg	CSNT	comp=N,462µm,0.4s	AML	AML	ORIF	comp=N,10nm,0.6s	3.12 286 eP	Sn	11 56 53.6 +2.6	
MAIM	Mastiano	S	Sg	CSNT	comp=E,338µm,0.7s	AML	AML	ORIF	Oris-en-Rattie	eSn	Sn	11 57 26.4 -2.1	
MAIM	comp=N,912µm,0.4s	0.37 131 P	Pg	CSNT	comp=N,462µm,0.4s	AML	AML	DAVA	Damuels	3.14 357 / Pn	Pb	11 56 55.4 -2.1	
MAIM	comp=N,1235µm,0.4s	AML	AML	CSNT	comp=N,462µm,0.4s	AML	AML	DAVA	comp=N,8.0nm,0.3s,SNR=12	eSn	Sn	11 57 30.5 +1.4	
MAIM	comp=N,2245µm,0.4s	AML	AML	CSNT	comp=E,338µm,0.7s	AML	AML	SQTA	Sankt Quirin	3.16 14 ePn	Pb	11 56 55.4 -2.5	
MAIM	comp=E,1965µm,1.4s	AML	AML	CSNT	comp=N,462µm,0.4s	1.18 290 P	Pg	SQTA	comp=N,7.0nm,0.7s	eSn	Sn	11 57 31.1 +1.4	
MAIM	comp=N,2245µm,0.4s	AML	AML	PCP	Plancastagn	AML	AML	ASEAF	Site Antares,	3.17 246 Pn	Pn	11 56 52.9 +1.5	
MAIM	comp=E,1970µm,1.4s	AML	AML	PCP	comp=E,129µm,0.7s	AML	AML	MOTA	Moosalm	3.27 12 ePn	Pn	11 56 56.2 +3.0	
MAIM	comp=N,2245µm,0.4s	AML	AML	PCP	comp=N,192µm,0.5s	AML	AML	MOTA	comp=N,4.5nm,0.4s	Sg	Sb	11 57 40.6 +0.9	
MAIM	comp=N,2245µm,0.4s	AML	AML	PCP	comp=E,129µm,0.7s	AML	AML	SMRF	Simiane la Rot	3.27 268 ePn	Pn	11 56 52.6 -0.5	
MAIM	comp=N,2245µm,0.4s	AML	AML	PCP	comp=N,192µm,0.5s	AML	AML	SMRF	SNR=1.0	eSn	Sn	11 57 30.0 -2.2	
MAIM	comp=N,2245µm,0.4s	AML	AML	PCP	comp=N,192µm,0.5s	AML	AML	WTTA	Wattenberg	3.29 19 ePn	Pn	11 56 56.4 +2.9	
MSSA	comp=N,2245µm,0.4s	0.45 291 P	Pg	PCP	comp=N,192µm,0.5s	AML	AML	WTTA	comp=N,7.2nm,0.5s	Sg	Sb	11 57 39.0 -1.4	
MSSA	Maissana	S	Sg	PCP	comp=N,192µm,0.5s	AML	AML	WATA	Walderalm	3.34 17 ePn	Pn	11 56 55.0 +0.8	
MSSA	comp=E,665µm,1.6s	AML	AML	TRIF	TRIFONTI	1.19 151 P	Pg	RETA	Reutte	3.36 8 ePn	Pn	11 56 57.2 +2.8	
MSSA	comp=N,622µm,0.9s	AML	AML	TRIF	comp=E,179µm,1.1s	AML	AML	RETA	comp=N,0.6nm,0.1s	eSn	Sn	11 57 34.7 +0.1	
MSSA	comp=E,666µm,1.6s	AML	AML	TRIF	comp=N,228µm,0.5s	AML	AML	NVLJ	Novalja	3.44 82 ePn	Pn	11 56 57.1 +1.7	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	NVLJ	Novalja	Sn	Sn	11 57 36.1 -0.3	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	MYKA	Terra Mystica	3.51 44 / Pn	Sn	11 56 57.3 +0.9	
MSSA	comp=E,666µm,1.6s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	MYKA	comp=N,0.5nm,0.1s	iSn	Sn	11 57 40.1 +1.8	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	DUGI	Dugi Otok	3.57 91 / Pn	Pn	11 56 58.7 +1.5	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	DUGI	Dugi Otok	Sn	Sn	11 57 38.4 -1.3	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	KBA	Koelnbreinsper	3.70 37 / Pn	Pn	11 57 01.7 +2.5	
MSSA	comp=N,623µm,0.9s	AML	AML	TRIF	comp=N,228µm,0.6s	AML	AML	KBA	comp=N,0.3nm,0.1s	eSn	Sn	11 57 41.6 -1.5	
NEVI	comp=N,666µm,1.6s	0.45 19 P	Pb	TRIF	comp=N,228µm,0.6s	AML	AML	CABR	comp=N,1.5nm,0.2s	3.75 312 eP	Pn	11 57 02.4 +2.7	
POP	comp=N,666µm,1.6s	0.48 103 P	Pg	FROS	Frosini	1.22 141 P	Pg	OBKA	Obi	3.92 52 ePn	Pn	11 57 03.8 +1.7	
POP	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	OBKA	comp=N,0.4nm,0.1s	Sn	Sn	11 57 47.5 -0.8	
MTCR	comp=N,666µm,1.6s	0.66 101 P	Pg	FROS	comp=N,394µm,1.3s	AML	AML	CHMF	comp=N,1.5nm,0.5s	3.93 323 Pn	Pn	11 57 05.2 +3.1	
MTCR	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	VIVF	Saint-Julien-	3.95 282 ePn	Pn	11 57 01.6 -0.8	
MTCR	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	VIVF	Saint-Julien-	eSn	Sn	11 57 46.3 -2.7	
MTCR	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	ZIRJ	Zirje	4.03 95 ePn	Pn	11 57 03.7 +0.2	
MTCR	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	ZIRJ	Zirje	Sn	Sn	11 57 52.1 +1.1	
ZCCA	comp=N,666µm,1.6s	0.66 72 AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	MORI	Morici	4.05 92 / Pn	Pn	11 57 06.3 +2.6	
ZCCA	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	MORI	Morici	Sn	Sn	11 57 52.6 +1.1	
ZCCA	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	KIZ	Kirchzarten	4.09 339 Pn	Pn	11 57 06.9 +2.5	
ZCCA	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	MOF	Molkenrain	4.24 332 Pn	Pn	11 57 09.1 +2.7	
ZCCA	comp=N,666µm,1.6s	AML	AML	FROS	comp=N,394µm,1.3s	AML	AML	SOKA	Soboth	4.29 52 ePn	Pn	11 57 06.0 -1.1	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	SOKA	comp=N,2.2nm,0.5s	Sn	Sn	11 57 57.8 +0.3	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	HINF	Hinterfeld	4.31 329 eP	Pn	11 57 10.2 +2.9	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	HINF	SNR=1.0	eSn	Sn	11 57 54.7 -3.1	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	LASF	comp=N,12nm,0.6s,SNR=1.0	4.50 271 ePn	Pn	11 57 09.7 -0.2	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	LASF	Ste Croix	Sn	Sn	11 57 59.3 -3.2	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	OPP	Oppenau	4.54 344 Pn	Pn	11 57 12.4 +1.9	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	ECH	Echery	4.55 334 Pn	Pn	11 57 12.5 +1.9	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	HAU	Haudompre	4.65 327 eP	Pn	11 57 14.7 +2.6	
ZCCA	comp=N,666µm,1.6s	AML	AML	CASP	comp=N,394µm,1.3s	AML	AML	HAU	SNR=1.0	eSn	Sn	11 58 03.1 -3.2	
CRMI	comp=N,666µm,1.6s	0.72 120 AML	AML	PARC	comp=N,394µm,1.3s	1.62 107 P	Pn	CDF	comp=N,14nm,0.4s,SNR=1.0	4.69 336 eP	Pn	11 57 15.3 +2.7	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	CDF	Champ du Feu	eSn	Sn	11 58 03.5 -3.7	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	MOA	Molin	4.70 37 / Pn	Pn	11 57 14.9 +2.3	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	MOA	comp=N,1.1nm,0.2s	eSn	Sn	11 58 06.2 -1.2	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	HVAR	Hvar	4.71 100 ePn	Pn	11 57 14.4 +1.7	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	HVAR	Hvar	Sn	Sn	11 58 07.9 +0.3	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	ARSA	Arzberg	4.90 49 ePn	Pn	11 57 17.5 +2.1	
CRMI	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	ARSA	comp=N,3.2nm,0.4s	eSn	Sn	11 58 11.6 -0.8	
GORR	comp=N,666µm,1.6s	0.74 308 P	Pg	PARC	comp=N,394µm,1.3s	AML	AML	SMF	Signal de Mont	5.07 302 eP	Pn	11 57 21.3 +3.6	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	SMF	SNR=1.0	eSn	Sn	11 58 12.3 -4.1	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	PAGF	Fort de Pagny	5.34 327 eP	Pn	11 57 25.5 +4.0	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	SFTF	Sextfontaines	5.36 321 eP	Pn	11 57 24.8 +3.0	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	SFTF	baz=138	eSn	Sn	11 58 19.7 -4.1	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	LOR	Lormes	5.37 308 eP	Pn	11 57 25.1 +3.2	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	LOR	baz=128,SNR=1.0	eSn	Sn	11 58 19.9 -4.0	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	SSF	Saint Saulege	5.47 304 eSn	Sn	11 58 22.2 -4.1	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	CONA	Conrad Observa	5.50 45 ePn	Pn	11 57 26.1 +2.3	
GORR	comp=N,666µm,1.6s	AML	AML	PARC	comp=N,394µm,1.3s	AML	AML	CONA	comp=N,0.3nm,0.1s	eSn	Sn	11 58 28.5 +1.1	
GROG	comp=N,666µm,1.6s	0.74 192 P	Pg	MAGA	comp=N,394µm,1.3s	1.66 13 P	Pb	KHC	Kasperske Hory	5.52 24 ePn	Pn	11 57 24.7 +0.7	
GROG	comp=N,666µm,1.6s	AML	AML	MAGA	comp=N,394µm,1.3s	AML	AML	KHC	KHC	eSn	Sn	11 57 27.0 -0.7	
GROG	comp=N,666µm,1.6s	AML	AML	MAGA	comp=N,394µm,1.3s	AML	AML	KHC	KHC	ex	x	11 59 12.0	
GROG	comp=N,666µm,1.6s	AML	AML	MAGA	comp=N,394µm,1.3s	AML	AML	MEZF	Maizieres J'vi	5.58 323 eP	Pn	11 57 29.0 +4.3	
GROG	comp=N,666µm,1.6s	AML	AML	MAGA	comp=N,394µm,1.3s	AML	AML	BGF	Bois d'Agland	5.65 298 eP	Pn	11 57 28.9 +3.2	
GROG	comp=N,666µm,1.6s	AML	AML	MAGA	comp=N,394µm,1.3s	AML	AML	BGF	SNR=1.0	eSn	Sn	11 58 26.9 -4.0	
G													

6d 14h

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
T0912	comp=E,2020μm,0.8s		AML	AML	
T0912	comp=N,4070μm,0.8s		AML	AML	
T0912	comp=E,1965μm,0.8s		AML	AML	
T0912	comp=N,4050μm,0.8s		AML	AML	
T0912	comp=E,2025μm,0.8s		AML	AML	
T0912	comp=N,4070μm,0.8s		AML	AML	
T0912	comp=E,1955μm,0.8s		AML	AML	
T0912	comp=N,4045μm,0.8s		AML	AML	
T0912	comp=N,4070μm,0.8s		AML	AML	
T0912	comp=N,4045μm,0.8s		AML	AML	
T0912	comp=E,2025μm,0.8s		AML	AML	
T0912	comp=E,1955μm,0.8s		AML	AML	
T0911	Castelpeggio (0.08 220	P	Pg	12 26 39.1 +0.6	
T0911	Villacollemand (0.18 93	S	Sg	12 26 40.7 +0.6	
T0911	Villacollemand (0.18 93	P	Pg	12 26 40.8 +0.7	
T0911	Villacollemand (0.18 93	S	Sg	12 26 43.7 +1.1	
VLC	comp=E,107μm,0.8s		AML	AML	
VLC	comp=N,94μm,1.1s		AML	AML	
VLC	comp=E,79μm,1.4s		AML	AML	
VLC	comp=N,74μm,0.9s		AML	AML	
VLC	comp=E,107μm,0.8s		AML	AML	
VLC	comp=N,94μm,1.1s		AML	AML	
VLC	comp=E,79μm,1.4s		AML	AML	
VLC	comp=N,75μm,0.1s		AML	AML	
VLC	comp=N,94μm,1.1s		AML	AML	
VLC	comp=E,107μm,0.8s		AML	AML	
VLC	comp=E,79μm,1.4s		AML	AML	
PLMA	comp=N,75μm,0.1s		AML	AML	
PLMA	Palmaria, Port (0.24 240	P	Pg	12 26 42.2 +1.0	
PLMA	Palmaria, Port (0.24 240	S	Sg	12 26 45.6 +1.1	
PLMA	comp=E,341μm,1.3s		AML	AML	
PLMA	comp=N,620μm,0.3s		AML	AML	
PLMA	comp=E,341μm,1.3s		AML	AML	
PLMA	comp=N,620μm,0.3s		AML	AML	
PLMA	comp=E,341μm,1.3s		AML	AML	
PLMA	comp=N,620μm,0.3s		AML	AML	
CARD	Cardoso (0.28 120	P	Pg	12 26 42.6 +0.6	
CARD	Cardoso (0.28 120	S	Sg	12 26 46.7 +0.9	
CARD	Cardoso (0.28 120	P	Pg	12 26 42.7 +0.6	
CARD	Cardoso (0.28 120	S	Sg	12 26 46.8 +0.9	
CARD	Cardoso (0.28 120	P	Pg	12 26 42.6 -0.8	
CARD	Cardoso (0.28 120	S	Sg	12 26 47.3 -1.2	
CARD	comp=E,114μm,0.1s		AML	AML	
CARD	comp=N,130μm,1.3s		AML	AML	
CARD	comp=E,114μm,0.1s		AML	AML	
CARD	comp=N,130μm,1.3s		AML	AML	
CARD	comp=N,130μm,1.3s		AML	AML	
CARD	comp=N,130μm,1.3s		AML	AML	
GRAM	Graiana (0.33 350	P	Pb	12 26 43.7 -0.7	
GRAM	Graiana (0.33 350	S	Sg	12 26 48.4 +1.1	
GRAM	Graiana (0.33 350	P	Pb	12 26 43.7 -0.7	
GRAM	Graiana (0.33 350	S	Sg	12 26 48.5 +1.3	
GRAM	Graiana (0.33 350	P	Pb	12 26 43.7 -0.7	
GRAM	Graiana (0.33 350	S	Sg	12 26 48.6 -1.2	
GRAM	comp=E,838μm,0.2s		AML	AML	
GRAM	comp=N,811μm,0.9s		AML	AML	
GRAM	comp=E,838μm,0.2s		AML	AML	
GRAM	comp=N,811μm,0.9s		AML	AML	
GRAM	comp=N,811μm,0.9s		AML	AML	
GRAM	comp=N,811μm,0.9s		AML	AML	
BDI	Bagini Di Lucca (0.34 108	P	Pb	12 26 44.2 -0.5	
BDI	Bagini Di Lucca (0.34 108	S	Sg	12 26 49.1 -1.2	
BDI	comp=E,54μm,1.1s		AML	AML	
BDI	comp=N,52μm,0.6s		AML	AML	
BDI	comp=E,54μm,1.1s		AML	AML	
BDI	comp=N,52μm,0.6s		AML	AML	
BDI	comp=N,52μm,0.6s		AML	AML	
BDI	comp=N,54μm,1.1s		AML	AML	
MAIM	Mastiano (0.36 135	P	Pb	12 26 44.5 -0.4	
MAIM	Mastiano (0.36 135	S	Sg	12 26 48.9 +0.7	
MAIM	Mastiano (0.36 135	P	Pb	12 26 44.5 -0.4	
MAIM	Mastiano (0.36 135	S	Sg	12 26 49.1 +1.0	
MAIM	Mastiano (0.36 135	P	Pb	12 26 44.5 -0.4	
MAIM	Mastiano (0.36 135	S	Sg	12 26 49.3 +1.2	
MAIM	comp=E,67μm,0.6s		AML	AML	
MAIM	comp=N,79μm,0.6s		AML	AML	
MAIM	comp=E,67μm,0.6s		AML	AML	
MAIM	comp=N,79μm,0.6s		AML	AML	
MAIM	comp=N,79μm,0.6s		AML	AML	
MAIM	comp=N,79μm,0.6s		AML	AML	
POPMP	Popiglio (0.46 105	P	Pb	12 26 46.0 -0.6	
POPMP	Popiglio (0.46 105	S	Sg	12 26 52.7 -0.9	
POPMP	Popiglio (0.46 105	P	Pb	12 26 46.2 -0.5	
POPMP	Popiglio (0.46 105	S	Sg	12 26 53.2 -0.3	
POPMP	comp=E,70μm,0.2s		AML	AML	
POPMP	comp=N,69μm,1.4s		AML	AML	
POPMP	comp=E,70μm,0.2s		AML	AML	
POPMP	comp=N,69μm,1.4s		AML	AML	
POPMP	comp=N,69μm,1.4s		AML	AML	
POPMP	comp=N,69μm,1.4s		AML	AML	
POPMP	comp=E,70μm,0.2s		AML	AML	

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Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
USAK	USAK		iS	Sg	12 37 42.2 -0.2
USAK	USAK		IAML_P	Pg	12 37 45.1 -0.1
KHAL	Karahalli (0.71 106	iP	Pg	12 37 54.7 +0.3	
KHAL	Karahalli (0.71 106	iS	Pg	12 37 54.7 +0.3	
GDZ	Gediz (0.84 52	iP	Pg	12 37 47.4 -0.4	
GDZ	Gediz (0.84 52	iS	Pg	12 37 58.9 +0.2	
GDZ	Gediz (0.84 52	iP	Pg	12 37 47.4 -0.4	
GDZ	Gediz (0.84 52	iS	Pg	12 37 58.9 +0.2	
AYDB	Zeytinokoy-Aydi (0.85 223	PG	Pg	12 37 47.5 -0.5	
AYDB	Zeytinokoy-Aydi (0.85 223	SG	Pg	12 37 59.5 +0.5	
DURS	Dursunbey (1.03 353	iP	Pb	12 37 52.9 +0.4	
STEP	BALIKESIR_Sava (1.07 319	iP	Pb	12 37 53.4 +0.3	
STEP	BALIKESIR_Sava (1.07 319	iS	Pb	12 38 00.2 +0.3	
AYDN	Tasuluk (1.08 213	iP	Pb	12 37 53.2 -0.1	
AYDN	Tasuluk (1.08 213	iS	Pb	12 38 07.9 -0.2	
TVSB	Tavsanli (1.09 36	PN	Pg	12 37 51.8 -0.8	
TVSB	Tavsanli (1.09 36	SN	Pg	12 38 07.2 +0.5	
BALB	Balikesir (1.22 332	PN	Pg	12 37 54.7 -0.2	
BLBC	Balcova (1.26 262	PN	Pg	12 37 55.2 -0.6	
ULDT	Uludag (1.62 14	iP	Pg	12 38 02.5 0.0	
ULDT	Uludag (1.62 14	iS	Pg	12 38 25.1 +1.5	
DDA	06 13:08:35.1,38°68'N,43°66'E,h7km,5km,ML2.7				
ISK	06 13:08:35.7,38°69'N,43°50'E,h3km,ML2.5/5				
ISC	06 13:08:35.8,1.3,38.72N,0.003,43.62E,0.05,h9km,10km,n14,0593/21,Turkey				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
VANB	Van (0.22 237	PG	Pg	13 08 40.5 +0.2	
VANB	Van (0.22 237	SG	Pg	13 08 44.0 +0.6	
TVAN	Van (0.25 222	iP	Pg	13 08 40.8 -0.2	
TVAN	Van (0.25 222	iS	Pg	13 08 45.4 +0.9	
VMUR	Van-Muradiye (0.28 352	iP	Pg	13 08 41.6 +0.1	
VMUR	Van-Muradiye (0.28 352	iS	Pg	13 08 47.9 -0.1	
GEVA	Gevass (0.60 228	iP	Pb	13 08 46.3 -1.1	
GEVA	Gevass (0.60 228	iS	Pb	13 08 46.3 -1.1	
AKDM	Akdamar-Van (0.63 233	PG	Pg	13 08 47.0 -1.1	
ADCV	BITLIS_Adilcev (0.71 278	iP	Pb	13 08 49.5 -0.9	
BASK	Baskale_VAN (0.73 165	iP	Pb	13 08 09.2 -0.7	
TUTA	Tutak (0.93 318	iP	Pg	13 08 53.7 -0.1	
TUTA	Tutak (0.93 318	iS	Pg	13 09 06.7 -0.1	
MLAZ	Malazgirt-MUS (0.94 297	PG	Pg	13 08 53.2 -0.7	
MLAZ	Malazgirt-MUS (0.94 297	SG	Pg	13 09 05.8 -0.3	
AGRB	Hanur-Agry (0.99 331	PG	Pg	13 08 54.9 0.0	
AGRB	Hanur-Agry (0.99 331	SG	Pg	13 09 09.2 +0.7	
HAKT	HAKKARI (1.16 177	iP	Pg	13 08 56.4 -1.7	
HAKT	HAKKARI (1.16 177	iS	Pg	13 09 15.7 +1.3	
HAKT	HAKKARI (1.16 177	iP	Pg	13 08 56.4 -1.7	
HAKT	HAKKARI (1.16 177	iS	Pg	13 09 15.7 +1.3	
CUKT	Cukurca (1.47 180	PN	Pg	13 09 03.6 -0.3	
CUKT	Cukurca (1.47 180	iP	Pg	13 09 05.8 +1.8	
CUKT	Cukurca (1.47 180	iP	Pg	13 09 05.8 +1.8	
SRTM	Sirt_Merkez (1.52 242	iP	Pg	13 09 05.8 +0.8	
SRTM	Sirt_Merkez (1.52 242	iS	Pg	13 09 05.8 +0.8	
JMA	06 13:51:19.8,0.3,44°04'N,147°86'E,h0km,M3.8				
SKHL	06 13:51:21.0,0.2,44°38'N,148°10'E,h38km,3km,mb4.1/3				
ISC	06 13:51:17.3,3.3,44.4N,0.01x148.4E,0.2,h65km,n10,01568/13,Kuril Islands				
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
KUR	Kuril'sk (0.95 339	AMB	AMB	13 51 35.0	
KUR	Kuril'sk (0.95 339	AMB	AMB	13 51 35.0	
KUR	60nm,0.5s		AMB	13 51 35.0	
KUR	170nm,0.5s		AMB	13 51 35.0	
KUR	330nm,0.3s		A	13 51 48.0	
KUR	860nm,0.3s		A	13 51 48.0	
YUK	Yuzh-Kuril'sk (1.82 261	iP	Pb	13 51 47.5 +1.1	
YUK	Yuzh-Kuril'sk (1.82 261	iS	Pb	13 51 50.1 +0.6	
YUK	70nm,0.4s		iS	13 52 07.5 -1.0	
YUK	140nm,0.4s		A	13 52 12.0	
YUK	490nm,0.4s		A	13 52 12.0	
GRPR	Tuman (1.89 260	eP	Pn	13 51 49.0 +1.6	
GRPR	Tuman (1.89 260	AMB	AMB	13 51 49.0	
GRPR	80nm,0.4s		eS	13 52 09.0 -1.2	
GRPR	400nm,0.3s		A	13 52 13.0	
GRPR	70nm,0.3s		A	13 52 13.0	
NEM2	Nemuro 2 (2.13 243	P	Pn	13 51 50.6 0.0	
NEM2	Nemuro 2 (2.13 243	eS	Pn	13 52 12.6 -3.4	
JRA	Rausu (2.36 261	P	Pn	13 51 55.2 +1.5	
JRA	Rausu (2.36 261	eS	Pn	13 52 21.8 +0.2	
JKH	Kyushirohamanak (2.64 242	P	Pn	13 51 58.1 +0.6	
JNK	Nakash (2.73 255	P	Pn	13 52 00.1 +1.3	
JNK	Nakash (2.73 255	eS	Pn	13 52 28.8 -1.9	
JAR	Ashoroboto (3.48 254	P	Pn	13 52 10.9 +1.9	
JAR	Ashoroboto (3.48 254	eS	Pn	13 52 48.7 -0.3	
JCH	Churui (4.03 246	P	Pn	13 52 17.7 +1.3	
JCH	Churui (4.03 246	eS	Pn	13 53 00.2 +2.1	
JNBK	Urakawa-nobuka (4.58 245	P	Pn	13 52 26.0 +2.0	
JNBK	Urakawa-nobuka (4.58 245	eS	Pn	13 52 26.0 +2.0	
SOME	06 13:56:01.8,40°42'N,73°25'E,h15km				
KRNET	06 13:56:02.5,0.1,40°52'N,73°24'E,h13km,mb2.6				
NNC	06 13:56:12.7,7.1,41°06'N,73°06'E,h0km,mb2.9,mpv2.5				
ISC	06 13:56:59.6,1.6,40.41N,0.07x73.38E,0.04,h3km,17km,n18,0572/33,17C-6D,Kyrgyzstan				
Code	Station Name	Δ° AZ°	Phase ID		

ZEI	eSg	Sn	16 39 48.1	+2.4
LACR Lac	ePn	Pb	16 39 28.3	+0.7
LACR	iSn	Pb	16 39 57.7	+0.7
ARNR Ardon	ePn	Pn	16 39 15.8	-8.8
ARNR	iSn	Pn	16 39 47.2	-7.3

ISCJB 06 16:43:08.5-0.2, 67.61N, 0102.142.21E, 0.06, h10km, mb4.5/90, MS3.5/7, Error ellipse: s-maj=3.2km s-min=2.7km az=160.7
 IDC 06 16:43:08.3-0.4, 67.59N, 142.37E, h0km, mb4.2/24, mb1.4/4/28, mb1mx4.3/47, mb1mp4.2/28, ML4.1/3, MS3.2/15, Ms1.3/2/15, ms1mx3.1/42, Error ellipse: s-maj=11.4km s-min=10.6km az=56.0
 MOS 06 16:43:08.1-0.9, 67.65N, 142.30E, h9km, mb4.7/29, MS3.5/5, Error ellipse: s-maj=13.4km s-min=5.8km az=90.7

YARS 06 16:43:09.5, 67.61N, 142.44E, h8km
 NEIC 06 16:43:10.1-1.4, 67.59N, 142.18E, h10km, mb4.4/33, Error ellipse: s-maj=14.4km s-min=11.7km az=123.0

ISC 06 16:43:10.5-0.3, 67.58N, 0102.142.17E, 0.03, h10km, n179, o183/216, mb4.4/94, MS3.4/17, 12C-6D, Eastern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	ISC
						h m s		
MOMR	Moma	1.19	159	Op	ISC			
MOMR	751nm, 0.3s			iPg	Pb	16 43 31.2	-1.9	
MOMR	19um, 0.7s			eSg	Sb	16 43 46.7	-1.9	
YBGR	Belaya Gora	1.79	56	iPg	Pn	16 43 39.7	-1.6	
YBGR	9um, 0.2s			eSg	Sn	16 44 02.2	-1.8	
DEPR	Deputatskiy	2.00	336	iPn	Pn	16 43 44.3	0.0	
DEPR	231nm, 0.2s			iPg	Pb	16 43 46.0	-0.9	
DEPR	8um, 0.2s			eSn	Sn	16 44 10.2	+0.8	
DEPR	37um, 0.8s			eSg	Sb	16 44 12.9	+1.1	
BTGS	Batagay	2.88	275	iPn	Pn	16 43 57.4	+1.0	
BTGS	251nm, 0.2s			iPg	Pb	16 44 03.3	+1.3	
BTGS	4um, 0.8s			iSn	Sg	16 44 34.4	+3.4	
BTGS	5um, 0.8s			eSg	Sg	16 44 42.8	-0.2	
BTGS	8um, 1.3s			eSg	Sg	16 44 42.8	-0.2	
UNR	Ust-Nera	3.06	171	ePg	Pb	16 44 05.3	+0.4	
UNR	452nm, 1.0s			eSn	Sn	16 44 35.9	+0.5	
UNR	528nm, 0.4s			eSg	Sg	16 44 45.5	-3.0	
UNR	1um, 0.4s			eSg	Sg	16 44 45.5	-3.0	
ATKR	Artyk	3.63	159	ePn	Pn	16 44 06.5	-0.1	
ATKR	452nm, 0.6s			ePg	Pb	16 44 14.7	0.0	
ATKR	7um, 0.7s			eSn	Sn	16 44 49.7	+0.2	
ATKR	4um, 0.8s			eSg	Sb	16 45 02.3	+3.7	
TIXI	Tiksi	6.18	317	Pn	Pn	16 44 42.5	+0.9	
TIXI	31nm, 0.3s, baz=127, slow=17, SNR=400			Sn	Sn	16 45 47.9	-4.2	
TIXI	23nm, 0.3s, baz=140, slow=16, SNR=4.0			Lg	Lg	16 46 19.2		
TIXI	48nm, 0.3s, baz=64, slow=16, SNR=6.6			Lg	Lg	16 46 19.2		
TIXI	Tiksi	6.18	317	ePn	Pn	16 44 42.0	+0.4	
TIXI	Tiksi	6.18	317	eSn	Sn	16 45 49.3	-2.8	
TIXI	Tiksi	6.18	317	deP	Pn	16 44 42.0	+0.4	
TIXI	comp=Z, 17nm, 0.5s			pmax				
TIXI	Tiksi	6.18	317	ePn	Pn	16 44 42.4	+0.8	
TIXI	comp=Z, 26nm, 0.2s			ePg	Pb	16 45 01.6	+3.6	
TIXI	Tiksi	6.18	317	eSn	Sn	16 45 53.2	+1.1	
TIXI	comp=Z, 276nm, 0.4s			eSg	Sg	16 46 23.7	-4.7	
TIXI	comp=Z, 295nm, 0.5s			eSg	Sg	16 46 23.7	-4.7	
SEY	Seymchan	6.33	133	Pn	Pn	16 44 43.1	-0.6	
SEY	comp=Z, 1.3nm, 0.3s, baz=318, slow=17, SNR=25			Lg	Lg	16 46 25.5		
SEY	comp=Z, 6.2nm, 0.3s, baz=191, slow=19, SNR=8.0			Lg	Lg	16 46 25.5		
YAK	Yakutsk	7.70	230	ePn	Pn	16 45 02.7	+0.3	
YAK	Yakutsk	7.70	230	ePn	Pn	16 45 02.3	-0.1	
YAK	Yakutsk	7.70	230	ePn	Pn	16 45 03.4	+1.0	
YAK	Yakutsk	7.70	230	ePn	Pn	16 45 29.7	+5.9	
YAK	Yakutsk	7.70	230	eSn	Sn	16 45 31.0	+1.5	
YAK	Yakutsk	7.70	230	eSg	Sg	16 47 13.0	+4.1	
TBGR	Tabaga	7.88	229	iPn	Pn	16 45 07.0	+2.1	
TBGR	comp=Z, 206nm, 0.5s			ePg	Pb	16 45 33.9	+7.1	
TBGR	comp=Z, 295nm, 0.5s			eSn	Sn	16 46 36.2	+2.3	
TBGR	comp=Z, 910nm, 0.9s			eSg	Sg	16 47 18.2	-4.7	
TBGR	comp=Z, 1um, 0.6s			eSg	Sg	16 47 18.2	-4.7	
MA2	Magadan	8.89	151	Pn	Pn	16 45 18.6	-0.3	
MA2	comp=Z, 0.2nm, 0.3s, baz=162, slow=20, SNR=2.2			Lg	Lg	16 47 49.7		
MA2	comp=Z, 3.2nm, 0.3s, baz=294, slow=18, SNR=7.1			Lg	Lg	16 49 14.9		
MA2	comp=Z, 69nm, 18.0s, baz=336, slow=41			LR	LR	16 49 14.9		
MA2	Magadan	8.89	151	ePn	Pn	16 45 21.8	+2.9	
BILL	Bilibino	9.11	76	eP	Pn	16 45 22.3	+0.5	
BILL	comp=Z, 6.0nm, 0.9s			pmax	pmax	16 47 12.0	+7.8	
BILL	comp=Z, 491nm, 17.0s			MLR	MLR			
NKL	Nikolayevsk	14.50	184	eP	Pn	16 46 35.5	+0.1	
NKL	comp=Z, 5.0nm, 1.1s			eS	Sn	16 49 17.4	+1.4	
NKL	comp=N, 7.0nm, 1.4s			pmax	pmax			
NKL	comp=E, 4.0nm, 1.3s			MLR	MLR			
NKL	comp=N, 119nm, 10.0s			MLR	MLR			
ZEA	Zeya	15.62	215	eP	Pn	16 46 52.6	+2.2	
ZEA	comp=Z, 35nm, 1.0s			MLR	MLR			
ZEA	comp=N, 900nm, 9.0s			MLR	MLR			
BOD	Bodaibo	16.03	246	eP	Pn	16 46 56.9	+1.2	
PEA1	Petropavlovsk	16.34	145	eP	Pn	16 47 00.9	+1.3	
PEA0B	Petropavlovsk	16.34	145	eP	Pn	16 47 01.9	-0.8	
PETK	Petropavlovsk	16.34	145	Pn	Pn	16 47 00.9	+1.2	
PETK	comp=Z, 0.1nm, 0.3s, baz=308, slow=10, SNR=2.8			LR	LR	16 53 18.9		
PETK	comp=Z, 51nm, 19.1s, baz=335, slow=38			LR	LR	16 53 18.9		
PET	Petropavlovsk	16.63	143	eP	Pn	16 47 05.7	-0.2	
PET	comp=Z, 25nm, 1.1s			eP	Pn	16 47 07.3	+1.5	
GRNR	Gornyy	17.11	192	eP	Pn	16 47 10.0	+0.6	
GRNR	comp=Z, 13nm, 1.0s			pmax	pmax			
GAMB	Gambel	19.01	80	eP	Pn	16 47 32.1	-0.5	
KLR	Kul'dur	19.14	201	P	Pn	16 47 34.3	-0.1	
KLR	comp=Z, 0.8nm, 0.3s, baz=10, slow=8.5, SNR=6.9			LR	LR	16 55 17.8		
KLR	comp=Z, 86nm, 20.4s, baz=18, slow=38			LR	LR	16 55 17.8		
KLR	Kul'dur	19.14	201	dIP	Pn	16 47 34.4	0.0	
RDOG	Red Dog Mine	20.17	63	eP	Pn	16 47 44.3	-0.3	
YSS	Yuzh-Sakhalins	20.69	179	eP	P	16 47 48.5	-1.8	
YSS	comp=Z, 7.0nm, 1.3s			pmax	pmax	16 51 33.9	-7.2	

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	ISC
						h m s		
YSS	comp=Z, 100nm, 14.0s			MLR	MLR			
YSS	comp=N, 100nm, 15.0s			MLR	MLR			
HIA	Hailar	21.56	223	eP	P	16 47 59.8	0.0	
HIA	comp=N, 31nm, 1.0s			pmax	pmax			
TEY	Ternei	22.79	190	eP	P	16 48 12.0	-0.9	
TEY	comp=Z, 10.0nm, 0.6s			pmax	pmax			
ASAJ	Asahikawa	23.52	179	P	P	16 48 18.8	-1.5	
ASAJ	comp=Z, 2.9nm, 0.5s, baz=78, slow=19, SNR=10			LR	LR	16 57 44.3		
MDJ	Mudanjiang	23.97	203	eP	P	16 48 24.7	0.0	
MDJ	comp=Z, 2.3nm, 0.8s			pmax	pmax			
USA0B	Ussuriysk Ar	24.06	198	eP	P	16 48 24.4	-1.0	
USA0B	comp=Z, 9.1nm, 0.9s			pmax	pmax			
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	
USR0B	comp=Z, 6.6nm, 0.8s, baz=15, slow=10, SNR=18			LR	LR	16 58 23.7		
USR0B	comp=Z, 134nm, 19.2s, baz=336, slow=38			LR	LR	16 58 23.7		
USR0B	Ussuriysk Ar	24.06	198	P	P	16 48 24.3	-1.2	

6d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like Westdahl Peak, Okmok, Nikolski Pass, etc.

ISCJB 06 18:31:06.2, 0.7, 3.78S, 0.06, 128.89E, 0.07, h100km, mb3.7/2, Error ellipse: s-maj=9.5km s-min=8.5km az=6.3

DJA 06 18:31:09.3, 0.5, 4.5S, 12.9E, h102km, 5km, M4.4/10, mb4.7/2, MLv4.2/10

IDC 06 18:31:11.4, 4.3, 3.56S, 129.33E, h169km, 48km, mb3.5/3, mb1.3/8.5, mb1mx3.3/24, mbtmp4.1/5, Error ellipse: s-maj=59.0km s-min=17.2km az=77.0

ISC 06 18:31:07.5, 0.9, 3.62S, 0.07, 128.85E, 0.06, h100km, n13, z=23/15, Seram

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

UCR 06 18:58:38.9, 0.9, 9.90N, 86.51W, h0km, 9km, MW3.6, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like Buena Vista, Borinquen Arri, etc.

MEX 06 19:04:28.1, 0.4, 15.19N, 93.63W, h45km, 17km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like Buena Vista, Borinquen Arri, etc.

IDC 06 19:14:25.4, 1.3, 5.6S, 63S, 25.47W, h0km, mb4.4/3, mb1.4/4.3, mb1mx3.9/16, mbtmp4.4/3, Error ellipse: s-maj=47.2km s-min=34.0km az=86.0

ISCJB 06 19:14:28.5, 0.7, 5.6S, 63S, 25.47W, 0.1, h29km, mb4.3/7, Error ellipse: s-maj=15.6km s-min=7.8km az=41.2

NEIC 06 19:14:30.9, 0.9, 5.6S, 63S, 25.47W, h35km, mb4.6/7, Error ellipse: s-maj=23.4km s-min=14.5km az=119.0

ISC 06 19:14:30.0, 0.9, 5.6S, 63S, 25.47W, 0.1, h29km, n23, z=06/12, mb4.5/7, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like Hope Point, Neumayer-Stat, etc.

ISK 06 19:15:35.8, 38.52N, 43.88E, h27km, ML2.3/4

ISCJB 06 19:15:39.7, 0.8, 38.74N, 0.03, 43.61E, 0.07, h21km, 7km, Error ellipse: s-maj=9.3km s-min=6.7km az=4.2

DDA 06 19:15:39.4, 38.72N, 43.51E, h7km, 3km, ML2.6

ISC 06 19:15:40.5, 1.1, 38.75N, 0.03, 43.54E, 0.05, h16km, 7km, n11, z=12/17, Turkey

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like BITLIS, Adilcev, Baskale, VAN, etc.

ISCJB 06 19:40:26.6, 0.2, 18.67S, 0.02, 69.31W, 0.03, h98km, 3km, mb4.8/1, Error ellipse: s-maj=4.9km s-min=3.2km az=136.1

SJA 06 19:40:26.9, 0.6, 18.85S, 69.55W, h117km, 4km, ML4.6, MW5.0

NEIC 06 19:40:28.7, 1.7, 18.82S, 69.30W, h99km, 2km, mb4.9/231, ML5.1(GUC), Error ellipse: s-maj=13.0km s-min=9.3km az=92.0

NEIC Feil [VI] at Cuya; [III] at Alacerrca, Copda, Huara and Picoanchile; [II] at Arica, Marina, Pisagua and Putre

GUC 06 19:40:28.4, 0.7, 18.85S, 69.52W, h103km, 3km, ML5.1

DJI 06 19:40:29.8, 0.4, 18.90S, 69.30W, h102km, mb5.2/5

IDC 06 19:40:30.0, 0.4, 18.69S, 69.21W, h109km, 2km, mb4.4/18, mb1.4/6.2/1, mb1mx4.5/26, mbtmp4.9/21, MS3.5/12, MS1.3/5.12, ms1mx3.2/7, Error ellipse: s-maj=11.5km s-min=8.3km az=90.0

VAO 06 19:40:30.6, 0.5, 18.82S, 69.18W, h112km, 4km, mb5.1

GCMT 06 19:40:33.7, 0.3, 18.85S, 0.02, 69.62W, 0.03, h131km, 4km, MW5.0/69, Moment Tensor Solution, s20,c22, s69,c87; Duration: 0 Moment tensor: Scale: 10^19Nm; M0: 4.0e+20; Mw: 1.7; Ms: 2.6; Ms: 1.23; Ms: 2.1; Mw: 0.28; Mw: 1.92; Mw: 1.9; Mw: 3.0; Mw: 1.4; Best double couple: M3, 90200x1016

NP1: 164.00000, 84.00000, 84.00000, 1.0, 130.00000, NP2: 261.00000, 84.00000, 84.00000, 9.00000, Principal axes: T 4.5120, Plg38.0000, Azm109.0000, N -1.2170, Plg40.0000, Azm339.0000, P -3.2920, Plg28.0000, Azm223.0000, nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 19:40:28.8, 0.3, 18.80S, 0.03, 69.41W, 0.04, h104km, 2km, h104km, p-P, n63.4, s102/69.3, mb4.9/62, 9C, 2D, Northern Chile

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

Code Station Name Az Az' Phase ID Time Res h s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like Minye Minye, IPOC Station P, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, s, ISC. Includes stations like PTGB, ITRB, CPBS, etc.

249A	Camden	53.27	341	P	P	19 49 37.0	+0.2
254A	Sparta	53.31	346	P	P	19 49 36.9	-0.2
253A	Monticello	53.53	345	P	P	19 49 38.6	-0.1
150A	Eclectic	53.53	343	P	P	19 49 38.6	-0.2
Y57A	Sumter	53.56	349	P	P	19 49 38.9	0.0
GOGA	Godfrey	53.63	345	P	P	19 49 39.2	-0.2
Z52A	Williamson	53.65	344	P	P	19 49 39.5	-0.1
149A	Jones	53.75	342	P	P	19 49 39.9	-0.4
Y54A	Saluda	53.77	347	P	P	19 49 40.7	+0.2
Y55A	Tignal	53.88	346	P	P	19 49 41.0	-0.3
Z51A	Franklin	53.97	344	P	P	19 49 41.7	-0.2
148A	Greensboro	54.03	341	P	P	19 49 41.9	-0.4
Z50A	Ashland	54.11	343	P	P	19 49 42.8	-0.2
X56A	White Oak	54.14	348	P	P	19 49 43.2	+0.1
W61A	Ground Anchor	54.16	352	P	P	19 49 42.8	-0.5
Y52A	Lilburn	54.20	345	P	P	19 49 43.4	-0.3
LRAL	Lakeview Retre	54.22	342	P	P	19 49 43.4	-0.4
Z49A	Columbiana	54.23	342	P	P	19 49 43.4	-0.5
X55A	Gracelyn & Ava	54.24	348	P	P	19 49 44.1	+0.2
W58A	Raeford	54.33	350	P	P	19 49 44.5	-0.1
W59A	Clinton	54.35	351	P	P	19 49 44.5	-0.1
X54A	Belton	54.47	347	P	P	19 49 45.9	+0.4
Y51A	Rockmart	54.49	344	P	P	19 49 45.3	-0.5
W57A	Gilead	54.59	349	P	P	19 49 46.3	-0.1
X53A	Estanollee	54.63	346	P	P	19 49 46.5	-0.2
Y50A	Piedmont	54.66	343	P	P	19 49 46.3	-0.6
W56A	Indian Trail	54.68	349	P	P	19 49 47.1	+0.1
HKT	Hockley	54.75	332	eP	P	19 49 48.8	+1.2
Y49A	Blount Mountai	54.82	343	P	P	19 49 47.5	-0.6
KMSC	Kings Mountain	54.83	348	P	P	19 49 48.1	0.0
X52A	Dahlonoga	54.87	345	P	P	19 49 48.2	-0.3
V59A	Middlesex	54.91	351	P	P	19 49 48.4	-0.2
W54A	Cherokee Point	54.95	347	P	P	19 49 49.4	+0.4
X51A	Calhoun	55.07	344	P	P	19 49 49.5	-0.4
V58A	Windy Hill, Pi	55.07	350	P	P	19 49 49.6	-0.3
Y48A	Jasper	55.09	342	P	P	19 49 49.1	-0.9
833A	Chaparral WMA	55.10	328	P	P	19 49 50.8	+0.6
X50B	Fort Payne	55.18	344	P	P	19 49 50.0	-0.7
W53A	Cullowee	55.24	346	P	P	19 49 51.4	+0.2
V57A	Coltrane Farms	55.27	350	P	P	19 49 51.0	-0.3
V56A	Mocksville	55.32	349	P	P	19 49 52.1	+0.4
W52A	Murphy	55.34	346	P	P	19 49 51.9	0.0
X49A	Woodville	55.41	343	P	P	19 49 51.9	-0.4
U59A	Littleton	55.42	352	P	P	19 49 52.0	-0.3
V58A	Taylorsville	55.49	348	P	P	19 49 53.4	+0.5
X48A	Hartselle	55.55	342	P	P	19 49 53.0	-0.3
V54A	Nebo	55.56	348	P	P	19 49 53.7	+0.3
U58A	Oxford	55.57	351	P	P	19 49 53.1	-0.3
W51A	Cleveland	55.61	345	P	P	19 49 53.5	-0.2
V53A	Saluda	55.64	347	P	P	19 49 54.1	0.0
U57A	Blanch	55.73	350	P	P	19 49 54.4	-0.2
W50A	Signal Mountai	55.79	344	P	P	19 49 54.8	-0.2
X47A	Russelville	55.85	342	P	P	19 49 54.6	-0.9
W49A	Belvidere	55.96	343	P	P	19 49 55.7	-0.5
V52A	Sevierville	55.98	346	P	P	19 49 56.2	-0.2
T59A	Double "B" Far	56.00	352	P	P	19 49 56.1	-0.3
U55A	T22, Sparta	56.09	349	P	P	19 49 57.5	+0.3
T58A	Grand View Acr	56.11	351	P	P	19 49 57.1	-0.1
X46A	Booneville	56.11	341	P	P	19 49 56.5	-0.8
V51A	Loudon	56.12	345	P	P	19 49 57.0	-0.3
W48A	Pulaski	56.16	343	P	P	19 49 57.1	-0.6
V50A	Pikeville	56.18	345	P	P	19 49 57.6	-0.2
435B	Jarrell	56.25	331	P	P	19 49 59.0	+0.6
U54A	Nelsons Funny	56.26	348	P	P	19 49 58.7	+0.2
U53A	Fall Branch	56.26	347	P	P	19 49 58.2	-0.2
T57A	Hurt	56.27	351	P	P	19 49 58.3	-0.1
Z41A	Richland Creek	56.38	336	P	P	19 49 59.7	+0.4
T56A	Rocky Mt	56.43	350	P	P	19 50 00.2	+0.6
U52A	Thorn Hill	56.46	346	P	P	19 49 59.0	-0.8
W47A	Westpoint	56.46	342	P	P	19 49 58.9	-0.9
V49A	McMinnville	56.48	344	P	P	19 49 59.3	-0.6
W46A	Michie	56.58	341	P	P	19 49 59.8	-0.9
U51A	La Follette	56.59	346	P	P	19 50 00.3	-0.5
T55A	Pulaski	56.64	349	P	P	19 50 01.7	+0.6
TZTN	Tazewell	56.64	346	P	P	19 50 00.8	-0.3
BLA	Blacksburg	56.67	349	P	P	19 50 01.9	+0.5
V48A	Smith Brothers	56.70	343	P	P	19 50 01.0	-0.5
T54A	Tazewell	56.73	348	P	P	19 50 01.7	-0.1
U50A	Jamestown	56.82	345	P	P	19 50 01.9	-0.5
X43A	Marvell	56.82	339	P	P	19 50 02.3	-0.1
T53A	Wise	56.85	347	P	P	19 50 02.5	-0.1
S57A	Dark Hollow, R	56.97	351	P	P	19 50 03.4	0.0
V47A	Nunnally	56.98	342	P	P	19 50 02.3	-1.1
R58B	Mineral	57.02	352	P	P	19 50 03.6	-0.1

JCT	Junction City	57.06	329	P	P	19 50 04.4	+0.2
T52A	Hallie	57.06	347	eP	P	19 50 03.9	-0.2
T52A	Hallie	57.06	347	eP	P	19 50 30.3	-0.3
V46A	Holladay	57.12	342	P	P	19 50 03.8	-0.2
T51A	Holladay	57.14	346	P	P	19 50 04.2	-0.4
U49A	Red Boiling Sp	57.15	344	P	P	19 50 04.0	-0.7
WHXT	Lake Whitney,	57.21	332	P	P	19 50 05.7	+0.5
S55A	Lewisburg	57.23	350	P	P	19 50 05.7	+0.4
U48A	Cassie Pea, Po	57.35	344	P	P	19 50 05.5	-0.5
WVT	Waverly	57.35	342	eP	P	19 50 05.5	-0.5
WVT	Waverly	57.35	342	P	P	19 50 05.0	-1.0
R58A	Rapidan	57.37	352	P	P	19 50 06.2	0.0
T50A	Nancy	57.40	345	P	P	19 50 05.9	-0.5
S54A	Dingess Beckl	57.40	349	P	P	19 50 06.6	+0.2
R57A	Stanardsville	57.44	351	P	P	19 50 06.9	+0.3
S53A	Williamson	57.44	348	P	P	19 50 06.5	-0.2
U47A	Clarksville	57.48	343	P	P	19 50 06.2	-0.8
S52A	Salysville	57.63	347	P	P	19 50 07.6	-0.5
Q61A	Milford	57.64	355	P	P	19 50 07.1	-0.9
T49A	Edmonton	57.65	345	P	P	19 50 07.7	-0.4
U46A	Springville	57.66	342	P	P	19 50 07.5	-0.7
R55A	Marlinton	57.66	350	P	P	19 50 07.8	-0.5
R56A	Bull Pasture M	57.67	351	P	P	19 50 07.5	-0.9
S51A	Beattyville	57.70	347	P	P	19 50 08.0	-0.5
R54A	Victor	57.71	349	P	P	19 50 08.9	+0.3
Q60A	Greensboro	57.81	354	P	P	19 50 09.3	+0.1
MIAR	Mount Ida	57.82	336	P	P	19 50 09.4	0.0
T48A	Bowling Green	57.87	344	P	P	19 50 09.2	-0.5
W41B	Gary Mavity, V	57.89	338	P	P	19 50 09.5	-0.4
S50A	Richmond	57.92	346	P	P	19 50 09.8	-0.2
T47A	Sharon Grove	57.95	343	eP	P	19 50 10.1	-0.1
T47A	Sharon Grove	57.95	343	eP	P	19 50 35.9	-1.1
Q58A	Fox Den Farm,	57.96	352	P	P	19 50 10.1	-0.1
R53A	Hurricane	58.04	348	P	P	19 50 10.8	-0.1
Q57A	Strasburg	58.15	352	P	P	19 50 12.2	+0.7
TXAR	Lajitas Arroy	58.16	325	P	P	19 50 12.7	+0.6
R52A	Colts-Camp	58.18	348	P	P	19 50 39.8	+1.3
T46A	Princeton	58.22	343	P	P	19 50 11.4	-0.5
S49A	Springfield	58.23	345	P	P	19 50 11.4	-0.8
Q56A	Snyder Ridge,	58.25	351	P	P	19 50 13.2	+0.8
S48A	Wiedeman Farm,	58.30	345	P	P	19 50 11.7	-1.0
R51A	Hillsboro	58.34	347	P	P	19 50 12.6	-0.3
Q55A	Buckhannon	58.35	350	P	P	19 50 14.1	+1.0
T45A	Pacata	58.41	342	P	P	19 50 13.0	-0.5
P58A	Pank, Wackersv	58.45	353	P	P	19 50 13.3	-0.3
S47A	Hartford	58.46	344	P	P	19 50 13.0	-0.8
Q54A	Coxs Mills	58.47	350	P	P	19 50 13.8	0.0
Q53A	Leroy	58.47	349	P	P	19 50 14.0	+0.1
W39A	Magazine	58.48	337	P	P	19 50 14.5	+0.5
R50A	Paris	58.48	346	P	P	19 50 13.5	-0.4
P57A	Homestead Farm	58.53	352	P	P	19 50 14.8	+0.6
P60A	Greenville	58.60	354	P	P	19 50 14.4	-0.3
P56A	Dayton Farm, R	58.67	351	P	P	19 50 15.9	+0.7
R49A	Shelbyville	58.69	346	P	P	19 50 14.9	-0.5
Q52A	Bidwell	58.71	348	P	P	19 50 15.3	-0.2
ABTX	Abilene, Hawle	58.75	330	P	P	19 50 16.3	+0.4
S46A	Don Dixon Farm	58.77	343	P	P	19 50 15.1	-0.8
Q61A	Allentown	58.78	355	P	P	19 50 15.8	-0.2
P55A	Reedsville	58.82	351	P	P	19 50 16.8	+0.5
WCI	Wyandotte Cave	58.90	345	eP	P	19 50 16.1	-0.7
WCI	Wyandotte Cave	58.90	345	eP	P	19 50 42.8	-0.9
Q50A	Georgetown	58.95	347	P	P	19 50 16.1	-0.7
R48A	Northridge Ran	58.96	345	P	P	19 50 16.6	-0.7
MCWV	Mont Chateau	58.97	351	P	P	19 50 17.7	+0.5
Q51A	Peebles	58.98	347	P	P	19 50 17.0	-0.4
P54A	Burton	59.01	350	P	P	19 50 18.1	+0.5
R47A	Wooly Knot Far	59.03	344	P	P	19 50 16.7	-1.0
O58A	Lewisberry	59.03	353	P	P	19 50 17.4	-0.3
P53A	Whipple	59.05	349	eP	P	19 50 18.1	+0.2
P53A	Whipple	59.05	349	eP	P	19 50 44.7	+0.2
U40A	Yellville	59.17	338	P	P	19 50 18.0	+0.2
S44A	Carbondale	59.22	342	P	P	19 50 18.5	-0.5
Q49A	Aurora	59.30	346	P	P	19 50 18.8	-0.8
P52A	Corning	59.33	349	P	P	19 50 19.5	-0.3
P51A	Williamsport	59.37	348	P	P	19 50 19.2	-0.8
O56A	Blue Knob Stat	59.38	352	P	P	19 50 20.6	+0.4
O55A	Ligonier	59.42	351	P	P	19 50 20.9	+0.4
Q48A	North Vernon	59.43	345	P	P	19 50 19.7	-0.7
R45A	Skyler, Fair	59.49	343	P	P	19 50 20.1	-0.8
O54A	Avella	59.56	350	P	P	19 50 21.1	-0.3
N60A	Cedar Hill Far	59.60	355	P	P	19 50 21.2	-0.4

Q47A	Bedord North L	59.60	345	P	P	19 50 21.1	-0.6
P50A	Jamestown	59.64	347	P	P	19 50 21.1	-0.8
SSPA	Standing Stone	59.65	353	P	P	19 50 22.1	+0.1
N59A	State Game Lan	59.70	354	P	P	19 50 22.2	-0.1
N57A	Milroy	59.73	353				

J48A	Bridge Port	63.19 348	P	P	19 50 45.0 -0.7
I51A	Listowel	63.20 351	P	P	19 50 45.5 -0.3
L0NY	Lake Ozonia	63.29 356	P	P	19 50 46.0 -0.4
I52A	Shelburne	63.33 351	P	P	19 50 46.8 +0.1
L42A	Oliver, Polo	63.33 343	P	P	19 50 45.7 -1.0
J47A	Summer	63.34 347	P	P	19 50 46.1 -0.6
H56A	Elgin	63.40 355	P	P	19 50 46.6 -0.4
H55A	Tweed	63.44 354	P	P	19 50 47.4 0.0
DELO	Deloro Mine	63.45 353	P	P	19 50 47.3 -0.1
BASO	Ashfield	63.51 350	P	P	19 50 47.8 0.0
BWLO	Walkerton	63.52 351	P	P	19 50 47.7 -0.2
J46A	Howard City	63.62 347	P	P	19 50 48.2 -0.4
I49A	Point Hope	63.63 349	P	P	19 50 48.1 -0.5
K43A	Burlington	63.64 345	P	P	19 50 48.0 -0.7
BRCO	Bruce Peninsula	63.70 350	P	P	19 50 48.9 -0.2
PKME	Peaks-Kenny Pk	63.76 0	P	P	19 50 49.3 -0.1
L40A	Anamosa	63.83 342	P	P	19 50 49.6 -0.4
ANMO	Albuquerque	63.99 327	eP	P	19 50 52.0 +0.5
ANMO	Albuquerque	63.99 327	P	P	19 50 52.3 +0.8
TASM	ASL Pad, Albuq	64.00 327	P	P	19 50 52.3 +0.8
TASM	ASL Pad, Albuq	64.00 327	P	P	19 50 52.1 +0.6
BMRO	Merriville Lake	64.00 351	P	P	19 50 50.9 -0.1
I47A	Gladwin	64.03 348	P	P	19 50 50.5 -0.7
I48A	Sherman Twp	64.03 349	P	P	19 50 50.5 -0.7
G55A	Calabogie	64.09 354	P	P	19 50 51.6 0.0
I46A	Reed City	64.14 347	P	P	19 50 51.5 -0.4
G53A	Hallburton	64.17 353	P	P	19 50 52.1 0.0
SCIA	State Center	64.29 340	P	P	19 50 52.8 -0.3
JFWS	Jewell Farm	64.34 343	P	P	19 50 52.9 -0.4
TUC	Tucson	64.44 322	eP	P	19 50 55.4 +1.1
H48A	Harrisville	64.46 349	P	P	19 50 53.6 -0.4
H47A	Mic	64.52 348	P	P	19 50 53.9 -0.6
PEMO	Pembroke	64.56 354	P	P	19 50 54.4 -0.2
BUKO	Buck Lake	64.58 352	P	P	19 50 54.8 0.0
KLBO	Killbear Provi	64.60 352	P	P	19 50 54.8 -0.2
H46A	Five Lake	64.66 348	P	P	19 50 54.7 -0.7
TOBO	Tobermory, Bru	64.67 351	P	P	19 50 54.8 -0.5
T25A	Trinidad	64.69 330	P	P	19 50 56.8 +0.8
I42A	Dræger Farm,	64.90 345	P	P	19 50 56.8 -0.1
F52A	Sundridge	64.92 352	P	P	19 50 56.8 -0.1
ALGO	Algonquin Park	64.92 353	P	P	19 50 57.0 0.0
SNA4	Sanae	64.97 161	P	P	19 50 57.9 +0.7
SNA4	Sanae	64.97 161	eP	P	19 50 57.0 -0.2
G47A	Hillman	65.01 349	P	P	19 50 56.9 -0.7
F51A	Arnstest	65.12 352	P	P	19 50 57.3 -1.0
H43A	Windswept, Lux	65.16 346	P	P	19 50 58.0 -0.6
G45A	Suttons Bay	65.24 347	P	P	19 50 58.2 -0.9
F49A	Sandfield	65.27 350	P	P	19 50 58.7 -0.5
I41A	Arkdale	65.30 344	P	P	19 50 59.1 -0.4
E53A	Dumoine, Ponti	65.30 354	P	P	19 50 59.4 -0.1
E54A	Lac Daplat, Po	65.31 354	P	P	19 50 59.5 0.0
E52A	Mattawa	65.32 353	P	P	19 50 59.3 -0.2
KSCO	Kaye Shedlock	65.38 332	P	P	19 51 01.0 +0.7
214A	Organ Pipe Nat	65.40 320	P	P	19 51 02.1 +1.6
F48A	Evansville	65.43 350	P	P	19 50 59.9 -0.4
BGNE	Belgrade	65.56 337	P	P	19 51 01.7 +0.4
E51A	C1948 Merrick	65.66 352	P	P	19 51 01.9 +0.1
SDCO	Great Sand Dun	65.70 329	eP	P	19 51 03.6 +1.0
SDCO	Great Sand Dun	65.70 329	eP	P	19 51 03.0 +0.4
SDCO	Great Sand Dun	65.70 329	eP	P	19 51 03.6 +1.0
E50A	Wahnapiitae	65.72 351	P	P	19 51 01.5 -0.6
F45A	CMU Biological	65.82 348	P	P	19 51 02.2 -0.6
W18A	Petrified Fore	65.88 324	P	P	19 51 04.9 +1.2
D54A	Lac Fusel, La	65.97 355	P	P	19 51 03.4 -0.4
D52A	ZEK Kipawa Sen	65.97 353	P	P	19 51 04.0 +0.2
E48A	Lockeey	65.99 350	P	P	19 51 03.3 0.0
D53A	Lac Vacive, Po	66.00 354	P	P	19 51 07.9 -0.2
E46A	Sault Ste Mari	66.25 349	P	P	19 51 04.9 -0.6
S22A	IUR Ranch, Cre	66.35 328	P	P	19 51 07.9 +1.2
Q24A	Divide	66.50 330	P	P	19 51 08.8 +1.1
G40A	Rib Lake	66.51 344	P	P	19 51 07.0 -0.2
I13A	Mohawk Valley,	66.54 320	eP	P	19 51 08.9 +1.2
D48A	Paudash Townsh	66.61 351	P	P	19 51 07.3 -0.5
D49A	Beulah Townshi	66.64 351	P	P	19 51 07.8 -0.2
D47A	Chapleau	66.70 350	P	P	19 51 07.9 -0.5
D46A	Sault St. Mari	66.70 349	P	P	19 51 07.8 -0.7
G39A	Holcombe	66.78 343	P	P	19 51 08.7 -0.3
MVCO	Mesa Verde	66.79 327	P	P	19 51 10.3 +0.7
E43A	Lone Tree Farm	66.79 347	P	P	19 51 08.6 -0.4
UCSD	EROS Data Cent	67.04 339	P	P	19 51 10.6 -0.1
EWZD	Wupatki	67.09 324	P	P	19 51 12.9 +1.5
F40A	Park Falls	67.10 344	P	P	19 51 11.0 +0.1
SPMN	Marine on St.	67.18 342	P	P	19 51 11.0 -0.5
F39A	Loretta	67.30 344	P	P	19 51 12.1 -0.2
ISCO	Idaho Springs	67.38 330	P	P	19 51 14.2 +0.9

F38A	Pierce - Schro	67.60 343	P	P	19 51 14.0 -0.1
D41A	Chassel	67.79 346	P	P	19 51 15.3 0.0
LSQQ	Lebel-sur-Quev	67.99 355	P	P	19 51 15.5 -0.4
IKP	In-Ko-Pah, Jac	67.91 319	P	P	19 51 18.3 +1.8
SWSC	Sam W. Stewart	67.91 319	P	P	19 51 18.1 +1.7
E38A	The Farm, Brul	68.11 344	P	P	19 51 17.0 -0.3
LIC	Lamb	68.12 75	eP	P	19 51 16.7 -1.4
BC3	Big Chuckawall	68.18 320	P	P	19 51 19.7 +1.5
MONP2	Monument Peak	68.27 319	P	P	19 51 20.6 +1.7
TIC	Toumudi	68.29 75	eP	P	19 51 18.0 -1.2
IRM	Iron Mountain	68.33 320	P	P	19 51 20.7 +1.7
N23A	Red Feather La	68.40 331	P	P	19 51 20.7 +1.1
KIC	Kosan Boka	68.43 75	eP	P	19 51 19.0 -1.1
DBIC	Dimbokro	68.45 75	eP	P	19 51 19.2 -0.9
DBIC	Dimbokro	68.45 75	eP	P	20 20 54.7
CHGO	Chibougama	68.55 357	P	P	19 51 19.9 -0.1
MATO	Matagami	68.64 354	P	P	19 51 20.3 -0.2
BELC	Belle Mtn, Jos	68.74 320	P	P	19 51 23.4 +1.7
PFO	Pinyon Flats O	68.77 319	eP	P	19 51 23.4 +1.5
PFO	Pinyon Flats O	68.77 319	P	P	19 51 23.7 +1.8
O20A	White River Cr	68.90 329	P	P	19 51 23.8 +1.2
GMRC	Granite Mounta	69.07 320	P	P	19 51 25.3 +1.6
EYMN	Ely	69.33 344	P	P	19 51 24.3 -0.6
HEC	Hector,Ludlow	69.51 320	P	P	19 51 28.2 +1.9
TUQ	Turquoise Moun	69.67 321	P	P	19 51 28.8 +1.4
CIS	Catalina Islan	69.86 318	P	P	19 51 29.9 +1.4
BFSO	Mount Baldy Ra	69.93 319	P	P	19 51 30.6 +1.6
FMP	Fort Macarthur	69.98 318	P	P	19 51 30.1 +0.9
K22A	Casper	70.06 332	P	P	19 51 30.8 +1.1
GSC	Goldstone, Bar	70.11 320	P	P	19 51 31.7 +1.7
RSSD	Black Hills	70.17 334	eP	P	19 51 31.2 +0.8
RSSD	Black Hills	70.17 334	P	P	19 51 31.4 +1.0
DECC	Green Verdugo	70.36 318	P	P	19 51 33.4 +1.8
EDW2	Edwards Air Fo	70.56 319	P	P	19 51 34.2 +1.4
AGMN	Agassiz Nation	70.86 342	P	P	19 51 34.2 0.0
TPNV	Topopah Spring	70.89 322	P	P	19 51 36.8 +1.9
FURC	Furnace Creek,	70.93 321	P	P	19 51 36.7 +1.7
MPMC	Manual Prospec	71.03 320	P	P	19 51 37.1 +1.3
DUG	Duquoy	71.26 326	P	P	19 51 38.5 +1.5
SBC	Santa Barbara	71.35 318	P	P	19 51 37.1 -0.4
ISA	Isabella, Lake	71.37 320	eP	P	19 51 39.4 +1.7
ISA	Isabella, Lake	71.37 320	eP	P	19 52 06.1 +1.2
ISA	Isabella, Lake	71.37 320	P	P	19 51 39.4 +1.7
QSPA	South Pole Qui	71.38 180	eP	P	19 51 38.4 +1.1
R11A	Troy Canyon, C	71.47 323	P	P	19 51 40.2 +1.8
BW06	Boulder Array	71.55 330	P	P	19 51 40.3 +1.5
PDAR	Pinedale Array	71.55 330	P	P	19 51 39.0 +0.3
PDAR	Pinedale Array	71.55 330	P	P	19 52 06.6 +0.4
CWC	Cottonwood Cre	71.64 320	P	P	19 51 41.1 +1.7
MDND	Maddock	71.66 339	P	P	19 51 39.9 +0.8
PKM	McPherson Peak	71.70 318	P	P	19 51 41.6 +1.8
YES	Vestal, Richgr	71.86 319	P	P	19 51 42.3 +1.8
SMMC	Simler	72.09 318	P	P	19 51 44.0 +2.0
TIN	Tinemaha, Big	72.14 321	P	P	19 51 44.5 +2.2
ULM	Lac du Bonnet	72.61 343	P	P	19 51 44.4 -0.3
ULM	Lac du Bonnet	72.61 343	P	P	19 52 12.4 +0.1
ULM	Lac du Bonnet	72.61 343	P	P	20 20 08.5
FXWY	Fox Creek	72.91 330	eP	P	19 51 47.8 +1.0
FXWY	Fox Creek	72.91 330	eP	P	19 52 14.7 +0.3
NVAR	Mina Array Bea	73.09 322	eP	P	19 51 49.7 +1.7
NVAR	Mina Array Bea	73.09 322	eP	P	19 52 16.1 +0.7
LAO	LASA Array	73.16 334	P	P	19 51 48.8 +0.7
RLMT	Red Lodge	73.23 332	P	P	19 51 49.7 +1.0
H17A	Grant Village	73.27 330	P	P	19 51 51.2 +2.2
SCHO	Schelfer	73.37 2	P	P	19 51 48.9 -0.1
DGMT	Dagmar	73.27 332	P	P	19 51 52.7 +0.8
GCMT	Greycliff	73.92 332	eP	P	19 51 53.6 +1.0
GCMT	Greycliff	73.92 332	eP	P	19 52 21.0 +0.9
HLID	Hailey	74.52 328	P	P	19 51 58.0 +1.7
BOZ	Bozeman (W)	74.67 331	eP	P	19 51 58.0 +1.0
BOZ	Bozeman (W)	74.67 331	eP	P	19 52 25.4 +0.8
BOZ	Bozeman (W)	74.67 331	P	P	19 51 58.0 +1.0
MCMT	McKenzie Canyo	74.67 330	eP	P	19 51 58.8 +1.7
EGMT	Eggleston	74.99 333	P	P	19 52 03.3 +1.3
O03E	Paynes Creek	76.36 321	P	P	19 52 07.0 +0.3
MOD	Modoc Plateau	76.53 323	eP	P	19 52 09.0 +1.2
MOD	Modoc Plateau	76.53 323	eP	P	19 52 36.1 +0.8
MSO	Missoula	76.66 330	eP	P	19 52 09.6 +1.4
TOAO	Torodi Ar. Sit	76.91 71	eP	P	19 52 09.3 -0.9
TORD	Torodi Ar. Bea	76.91 71	P	P	19 52 09.5 -0.7
TORD	Torodi Ar. Bea	76.91 71	P	P	19 52 37.4 -1.0
TORD	Torodi Ar. Bea	76.91 71	P	P	20 20 02.5
M04C	Macdoel	77.33 320	P	P	19 52 13.6 +1.5
M02C	Callahan	77.67 322	P	P	19 52 15.4 +1.4
K04D	Chiloquin, OR	77.82 323	P	P	19 52 16.3 +1.4
J05D	Fort Rock, OR	77.95 324	P	P	19 52 17.1 +1.5
J04D	Umpqua Nationa	78.41 324	P	P	19 52 19.5 +1.3

I04A	Tendick Farm,	78.94 324	P	P	19 52 21.6 +0.7
K02D	Willamette Mer	78.96 322	P	P	19 52 22.6 +1.6
SYO	Syowa Base	79.18 160	fP	P	19 52 21.4 -0.4
SYO	Syowa Base	79.18 160	fP	P	19 52 28.0 -1.8
NEW	Newport	79.19 330	P	P	19 52 22.7 +0.5
VNDA	Vanda	79.41 190	P	P	19 52 24.6 +1.7
VNDA	Vanda	79.41 190	P	P	19 52 52.1 +1.4
VNDA	Vanda	79.41 190	P	P	19 52 24.9 +1.9
MORF	Marneleite	79.89 45	eP	P	19 52 26.5 +0.4
MORF	Marneleite	79.89 45	eP	P	19 52 28.0 +1.8
G03D	McMinville, O	80.31 325	P	P	19 52 29.7 +1.5
PBDV	Baranco-do-Ve	80.33 45	eP	P	19 52 30.3 +1.7
PNCL	Nicolau / Gran	80.40 44	eP	P	19 52 30.6 +1.7
MESJ	Messejana	80.46 45	eP	P	19 52 29.8 +0.6
MESJ	Messejana	80.46 45	eP	P	19 52 32.4
MESJ	Messejana	80.46 45	eP	P	19 52 30.5 +1.3
PCVE	Castro Verde	80.47 45	eP	P	19 52 31.0 +1.7
PBEJ	Beja	80.80 45	eP	P	19 52 33.2 +2.2
ALMR	Almeirim	80.94 43	eP	P	19 52 32.2 +0.5
ALMR	Almeirim	80.94			

SONAO Songino Array 150.84 6 ePKPbc PKIKP 20 00 10.1 +0.3
SONAO 150.84 6 ePKPbc pPKPbc 20 00 39.7 +0.5
SONM Songino Array 150.84 6 PKPbc PKIKP 20 00 10.1 +0.3

MEX 06:20:32:17.8:0.6, 17.09N x 100.00W, h35km, 9km, MD3.6, Guerrero

Code Station Name Az Phase ID Time Res
AC2P Acapulco 0.24 152 eP Op Pn 20 32 23.4 -1.3
AC2P Acapulco 0.24 152 eP Ss 20 32 28.2 -0.5

IDC 06:20:37.39:7.0:5, 29.60S x 112.10W, h0km, mb4.3/23, mb1.4/5/24, mb1mx4.4/38, mbtmp4.3/24, ML4.1/1, MS4.9/23, Ms1.4/9/23, ms1mx4.8/24, Error ellipse: s-maj=15.7km s-min=14.4km az=50.0

ISCJB 06:20:37.40:9.0:3, 29.66S:0.04:111.78W:0.05, h10km, mb4.7/62, MS5.0/471, Error ellipse: s-maj=7.4km s-min=4.9km az=149.8

MOS 06:20:37.42:1.1:6, 29.67S:111.55W, h10km, mb5.0/27, MS5.1/22, Error ellipse: s-maj=13.4km s-min=9.4km az=78.9

NEIC 06:20:37.43:3.1:5, 29.73S:111.66W, h10km, mb4.9/238, MS5.0/471, MW5.4, Error ellipse: s-maj=18.9km s-min=14.7km az=109.0, Moment Tensor Solution. s14 Moment tensor: Scale 1071Nm; Mr=0.38; Mw=1.07; Mxx=1.45; Mxy=0.37; Myx=0.03; Myy=0.12; Best double couple: M=1.40000 x 10^17 NP1: 137.00000, 871.00000, 1-165.00000; Principal axes: T=1.4600, P1g=0.0000; Azm90.0000; N=0.2200, P1g66.0000; Azm188.0000; P=-1.2300, P1g24.0000; Azm358.0000;

GCMT 06:20:37.45:3.0:1, 29.65S:0.01:111.86W:0.01, h23km, MW5.4/129, Moment Tensor Solution. s97,c150; s129,c231; Duration: 1s3 Moment tensor: Scale 1071 Nm; Mr=0.02±0.03; Mw=1.72±0.03; Mxx=1.70±0.03; Mxy=0.32±0.04; Myx=0.41±0.02; Myy=0.04±0.04; Best double couple: M=1.78800 x 10^17 NP1: 137.00000, 871.00000, 1-175.00000; Principal axes: T=1.7530, P1g2.0000; Azm97.0000; N=0.0690, P1g60.0000; Azm201.0000; P=-1.8240, P1g10.0000; Azm7.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06:20:37.42:9.0:3, 29.74S:0.06:111.76W:0.06, h10km, n1067, c133/643, mb4.8/62, MS5.0/471, 31C-6D, Easter Island region

Code Station Name Az Phase ID Time Res
RPN Rapa Nui 3.37 40 Pn Pn 20 38 34.6 -1.1
RPN Rapa Nui 3.37 40 Pn Sn 20 39 17.4 +1.7
RPN Rapa Nui 3.37 40 eP Pn 20 38 34.2 -1.5
RPN Rapa Nui 3.37 40 eP Pn 20 38 34.2 -1.5

GO02 Mina Guanaco 37.55 93 eP P 20 44 56.5 -1.3
GO02 Mina Guanaco 37.55 93 eP LR LR
ATAH Atahua 38.59 61 P P 20 45 07.5 +0.7
LVC Limon Verde 38.94 90 P P 20 45 10.7 +1.1
LVC Limon Verde 38.94 90 eP P 20 45 09.1 -0.5

BDFB Brasilia 59.81 92 eP P 20 47 49.8 +0.8
BDFB Brasilia 59.81 92 eP pmax pmax
BDFB Brasilia 59.81 92 eP MLR MLR
PMNB Patos De Minas 59.97 95 eP P 20 47 52.6 +2.6
VNSA Vanda 60.42 194 P P 20 47 51.6 -0.5

T45A	Paducah	69.86	20	PFAKE	LR	LR	20 49 10.0	+16
T45A	comp=Z,400nm,21.0s							
BG3	Lake Jocassee	69.89	25	PFAKE	LR	LR	20 49 10.0	+16
BG3	comp=Z,400nm,22.0s							
X55A	Gracelyn & Ava	69.92	26	P	P	P	20 48 53.6	-0.5
X55A	baz=208							
KSU1	Kansas State U	69.93	13	PFAKE	LR	LR	20 49 10.0	+16
KSU1	comp=Z,900nm,20.0s							
KSU1	Kansas State U	69.93	13	P	P	P	20 48 53.6	-0.6
KSU1	baz=194							
KCPM	Cahto Peak	69.94	350	PFAKE	LR	LR	20 49 10.0	+16
KCPM	comp=Z,2um,19.0s							
W53A	Cullowhee	69.97	25	P	P	P	20 48 53.6	-1.0
W53A	baz=206							
BMN	Battle Mountai	70.00	356	PFAKE	LR	LR	20 49 10.0	+15
BMN	comp=Z,1um,22.0s							
Y57A	Sumter	70.01	27	PFAKE	LR	LR	20 49 10.0	+15
Y57A	comp=Z,500nm,18.0s							
Y57A	Sumter	70.01	27	P	P	P	20 48 51.9	-2.8
Y57A	baz=209							
U48A	Cassie Pea, Po	70.03	21	P	P	P	20 48 53.4	-1.4
U48A	baz=203							
T46A	Princeton	70.10	20	P	P	P	20 48 53.4	-1.8
T46A	baz=202							
V51A	Loudon	70.12	23	PFAKE	LR	LR	20 49 10.0	+15
V51A	comp=Z,700nm,21.0s							
V51A	Loudon	70.12	23	P	P	P	20 48 53.6	-1.8
V51A	baz=205							
CCM	Cathedral Cave	70.12	17	PFAKE	LR	LR	20 49 10.0	+15
CCM	comp=Z,800nm,19.0s							
CCM	Cathedral Cave	70.12	17	P	P	P	20 48 53.6	-1.8
CCM	baz=199							
X56A	White Oak	70.17	27	P	P	P	20 48 53.6	-2.1
X56A	baz=208							
ELK	Elko	70.20	357	P	P	P	20 48 54.1	-2.0
ELK	comp=Z,1.7nm,0.7s, baz=143, slow=5.4, SNR=8.4							
ELK	LR							
ELK	ELK	70.20	357	PFAKE	LR	LR	21 13 48.5	
ELK	comp=Z,1um,20.4s, baz=186, slow=31							
ELK	LR							
W54A	Cherokee Point	70.25	25	P	P	P	20 48 55.9	-0.4
W54A	baz=207, SNR=5.6							
U49A	Red Boiling Sp	70.28	22	P	P	P	20 48 54.8	-1.6
U49A	baz=204							
T47A	Sharon Grove	70.30	21	PFAKE	LR	LR	20 49 10.0	+14
T47A	comp=Z,600nm,19.0s							
T47A	Sharon Grove	70.30	21	P	P	P	20 48 55.2	-1.3
T47A	baz=202							
O03E	Paynes Creek	70.30	352	P	P	P	20 48 55.7	-0.8
O03E	baz=171							
S44A	Carbondale	70.32	19	P	P	P	20 48 55.1	-1.5
S44A	baz=200							
V52A	Sevierville	70.42	24	PFAKE	LR	LR	20 49 10.0	+13
V52A	comp=Z,900nm,22.0s							
KMRM	Mall Ridge	70.49	350	PFAKE	LR	LR	20 49 10.0	+12
KMRM	comp=Z,2um,19.0s							
N23A	Red Feather L	70.49	5	PFAKE	LR	LR	20 49 10.0	+12
N23A	comp=Z,2um,20.0s							
N23A	Red Feather L	70.49	5	P	P	P	20 48 57.4	-0.5
N23A	baz=185, SNR=6.2							
U50A	Jamestown	70.50	23	P	P	P	20 48 56.5	-1.3
U50A	baz=204							
X57A	Johnson Farm,	70.52	27	P	P	P	20 48 56.1	-1.7
X57A	baz=209							
BIRD	Birdtown, Kers	70.53	27	PFAKE	LR	LR	20 49 10.0	+12
BIRD	comp=Z,500nm,20.0s							
V53A	Saluda	70.54	25	PFAKE	LR	LR	20 49 10.0	+12
V53A	comp=Z,800nm,22.0s							
V53A	Saluda	70.54	25	P	P	P	20 48 57.5	-0.6
V53A	baz=206, SNR=8.8							
Y59A	Loris	70.60	29	P	P	P	20 48 57.4	-0.9
Y59A	baz=210							
KM5C	Kings Mountain	70.62	26	PFAKE	LR	LR	20 49 10.0	+11
KM5C	comp=Z,500nm,20.0s							
KM5C	Kings Mountain	70.62	26	P	P	P	20 48 57.5	-1.0
KM5C	baz=208							
T48A	Whiting Green	70.63	21	P	P	P	20 48 57.6	-0.9
T48A	baz=203, SNR=7.9							
WDC	Whiskeytown Da	70.68	351	PFAKE	LR	LR	20 49 10.0	+11
WDC	comp=Z,2um,22.0s							
U51A	La Follette	70.75	23	P	P	P	20 48 58.2	-1.1
U51A	baz=205							
S46A	Don Dixon Farm	70.75	20	P	P	P	20 48 58.1	-1.1
S46A	baz=202							
Y60A	Bolivia	70.89	29	PFAKE	LR	LR	20 49 10.0	+10
Y60A	comp=Z,400nm,18.0s							
T49A	Edmonton	70.90	22	PFAKE	LR	LR	20 49 10.0	+10
T49A	comp=Z,600nm,21.0s							
T49A	Edmonton	70.90	22	P	P	P	20 48 59.0	-1.1
T49A	baz=204							
OGNE	Ogallala	70.91	8	PFAKE	LR	LR	20 49 10.0	+10
OGNE	comp=Z,500nm,22.0s							
OGNE	Ogallala	70.91	8	P	P	P	20 48 59.5	-0.7
OGNE	baz=189							
W56A	Indian Trail	70.91	27	P	P	P	20 48 59.2	-1.0
W56A	baz=208							
S47A	Hartford	70.92	21	P	P	P	20 48 59.3	-1.0
S47A	baz=203, SNR=8.4							
PHWY	Pilot Hill	70.93	5	PFAKE	LR	LR	20 49 10.0	+9.4
PHWY	comp=Z,2um,20.0s							
SLM	Saint Louis	70.93	18	PFAKE	LR	LR	20 49 10.0	+10
SLM	comp=Z,900nm,19.0s							
V54A	Nebo	70.95	25	P	P	P	20 48 59.8	-0.7
V54A	baz=207, SNR=10							
U52A	Thorn Hill	70.99	24	P	P	P	20 49 00.6	-0.2
U52A	baz=206, SNR=7.5							
USIN	University of	71.03	20	PFAKE	LR	LR	20 49 10.0	+9.1
USIN	comp=Z,400nm,21.0s							
T50A	Nancy	71.05	23	P	P	P	20 49 00.9	-0.2
T50A	baz=204							
TZTN	Tazewell	71.06	24	PFAKE	LR	LR	20 49 10.0	+8.8
TZTN	comp=Z,800nm,22.0s							
TZTN	Tazewell	71.06	24	P	P	P	20 49 01.0	-0.2
TZTN	baz=206, SNR=7.1							
N02D	Trinity Center	71.09	351	P	P	P	20 49 01.2	-0.1
N02D	baz=170							
JCC	Jacoby Creek	71.12	350	PFAKE	LR	LR	20 49 10.0	+8.7
JCC	comp=Z,2um,18.0s							
KHMM	Horse Mountain	71.13	350	PFAKE	LR	LR	20 49 10.0	+8.4
KHMM	comp=Z,2um,20.0s							
R45A	Skyler, Fairri	71.15	19	P	P	P	20 49 01.2	-0.4
R45A	baz=201							
W57A	Gilead	71.16	27	PFAKE	LR	LR	20 49 10.0	+8.3
W57A	comp=Z,500nm,18.0s							
W57A	Gilead	71.16	27	P	P	P	20 49 01.2	-0.5
W57A	baz=209							
RWWY	Rawlins	71.20	4	PFAKE	LR	LR	20 49 10.0	+7.8
RWWY	comp=Z,800nm,21.0s							
X59A	McDuffie Farm,	71.22	28	P	P	P	20 49 01.2	-0.9
X59A	baz=210							
S48A	Wiedeman Farm,	71.24	21	P	P	P	20 49 01.1	-1.1
S48A	baz=203							
U53A	Fall Branch	71.25	25	P	P	P	20 49 02.4	+0.1
U53A	baz=206, SNR=7.4							
W58A	Raeford	71.35	28	P	P	P	20 49 01.7	-1.1
W58A	baz=209							
X60A	Albert Glenn T	71.48	29	P	P	P	20 49 03.0	-0.7
X60A	baz=210							
M02C	Callahan	71.52	351	P	P	P	20 49 04.0	+0.1

V56A	Mocksville	71.53	26	P	P	P	20 49 03.8	-0.2
V56A	baz=170							
S49A	Springfield	71.60	22	P	P	P	20 49 03.0	-1.3
S49A	baz=204							
OLIL	Olney	71.61	19	PFAKE	LR	LR	20 49 20.0	+16
OLIL	comp=Z,300nm,19.0s							
U54A	Nelsons Funny	71.66	25	PFAKE	LR	LR	20 49 20.0	+15
U54A	comp=Z,500nm,20.0s							
U54A	Nelsons Funny	71.66	25	P	P	P	20 49 04.2	-0.7
U54A	baz=207							
R47A	Wor Knot Far	71.68	21	P	P	P	20 49 04.1	-0.7
R47A	baz=203							
WCI	Wyandotte Cave	71.69	21	PFAKE	LR	LR	20 49 20.0	+15
WCI	comp=Z,500nm,19.0s							
WCI	Wyandotte Cave	71.69	21	P	P	P	20 49 05.0	+0.1
WCI	baz=16nm,1.6s							
WCI	pmx							
WCI	pmx							
WCI	Wyandotte Cave	71.69	21	P	P	P	20 49 03.7	-1.2
WCI	baz=203							
MOD	Modoc Plateau	71.72	353	PFAKE	LR	LR	20 49 20.0	+15
MOD	comp=Z,2um,19.0s							
MOD	Modoc Plateau	71.72	353	P	P	P	20 49 04.8	-0.6
MOD	baz=206							
Q45A	Warren Harvey,	71.75	19	P	P	P	20 49 04.5	-0.7
Q45A	baz=201							
T52A	Hallie	71.77	24	PFAKE	LR	LR	20 49 20.0	+15
T52A	comp=Z,800nm,21.0s							
T52A	Hallie	71.77	24	P	P	P	20 49 04.8	-0.6
T52A	baz=206							
M04C	Macdoel	71.77	352	P	P	P	20 49 05.0	-0.5
M04C	baz=171							
S50A	Richmond	71.80	23	P	P	P	20 49 04.9	-0.7
S50A	baz=205							
T53A	Wise	71.81	24	P	P	P	20 49 04.9	-0.9
T53A	baz=206							
YBH	Yreka Blue Hor	71.83	351	LR	LR	LR	21 13 30.3	
YBH	comp=Z,2um,20.2s, baz=172, slow=30							
YBH	Yreka Blue Hor	71.83	351	PFAKE	LR	LR	20 49 20.0	+14
YBH	comp=Z,2um,21.0s							
V57A	Coltrane Farms	71.88	27	P	P	P	20 49 06.4	+0.3
V57A	baz=209, SNR=5.4							
BGNE	Belgrade	71.91	11	PFAKE	LR	LR	20 49 20.0	+14
BGNE	comp=Z,500nm,18.0s							
BGNE	Belgrade	71.91	11	P	P	P	20 49 05.9	-0.2
BGNE	baz=189							
U								

6d 20h

P52A	baz=202 Corning	74.32	23	P	P	20 49 19.1	-1.4
BMO	baz=206,SNR=8.1 Blue Mountains	74.41	356	PFAKE	LR	20 49 30.0	+9.0
ECSD	comp=Z,1µm,20.0s EROS Data Cent	74.42	11	PFAKE	LR	20 49 30.0	+9.0
ECSD	comp=Z,1µm,21.0s EROS Data Cent	74.42	11	P	P	20 49 20.0	-1.0
R58B	baz=194 Mineral	74.44	27	P	P	20 49 19.9	-1.2
P53A	baz=210 Whipple	74.45	24	PFAKE	LR	20 49 30.0	+8.8
P53A	comp=Z,700nm,21.0s Whipple	74.45	24	P	P	20 49 20.0	-1.2
R57A	baz=207,SNR=7.3 Stanardsville	74.47	27	P	P	20 49 20.6	-0.8
LHI	baz=210 Lord Howe Isla	74.48	242	PFAKE	LR	20 49 30.0	+8.2
N48A	comp=Z,2µm,22.0s Decatur	74.49	21	P	P	20 49 20.4	-0.9
S59A	baz=204 Mechanicsville	74.50	28	P	P	20 49 18.7	-2.8
RLMT	baz=210 Red Lodge	74.54	2	PFAKE	LR	20 49 30.0	+8.1
RLMT	comp=Z,1µm,20.0s Red Lodge	74.54	2	P	P	20 49 20.9	-0.9
ACSO	baz=182 Alum Creek Sta	74.57	22	PFAKE	LR	20 49 30.0	+8.1
ACSO	comp=Z,600nm,20.0s Alum Creek Sta	74.57	22	P	P	20 49 21.3	-0.6
M46A	baz=206 Old House Fiel	74.59	20	PFAKE	LR	20 49 30.0	+8.0
O51A	comp=Z,800nm,18.0s Pataskala	74.62	23	P	P	20 49 21.7	-0.6
R58A	baz=206 Rapidan	74.68	27	P	P	20 49 22.1	-0.4
SUSD	baz=191 Miller	74.75	9	P	P	20 49 22.4	-0.4
DLMT	baz=191 Dillon	74.75	359	PFAKE	LR	20 49 40.0	+1.7
M47A	comp=Z,1µm,20.0s Cromwell	74.76	20	P	P	20 49 22.4	-0.6
N49A	baz=203 Columbus Grove	74.81	21	PFAKE	LR	20 49 40.0	+1.7
N49A	comp=Z,500nm,20.0s Columbus Grove	74.81	21	P	P	20 49 22.5	-0.7
CBN	baz=204 Corbin Frederi	74.85	27	PFAKE	LR	20 49 40.0	+1.6
O52A	comp=Z,400nm,19.0s Adamsville	74.86	23	PFAKE	LR	20 49 40.0	+1.6
O52A	comp=Z,900nm,22.0s Adamsville	74.86	23	P	P	20 49 23.6	0.0
RCBR	baz=206,SNR=8.0 Riachuelo	74.86	88	PFAKE	LR	20 49 40.0	+1.6
Q56A	comp=Z,2µm,20.0s Snyder Ridge,	74.86	26	P	P	20 49 22.9	-0.8
L44A	baz=209 Lake County Fo	74.87	18	P	P	20 49 23.4	-0.2
P54A	baz=201 Burton	74.88	25	P	P	20 49 24.1	+0.3
JFWS	baz=208,SNR=7.5 Jewell Farm	74.96	16	PFAKE	LR	20 49 40.0	+1.6
JFWS	comp=Z,600nm,19.0s Jewell Farm	74.96	16	P	P	20 49 23.7	-0.4
G08A	baz=199 Pilot Rock	74.96	355	eP	P	20 49 24.5	+0.3
G08A	comp=Z,15nm,1.1s Bozeman (W)	74.98	0	PFAKE	LR	20 49 40.0	+1.6
BOZ	comp=Z,1µm,19.0s Bozeman (W)	74.98	0	P	P	20 49 24.1	-0.2
N50A	baz=180 Nevada	75.00	22	P	P	20 49 23.4	-1.0
P55A	baz=205 Reedsville	75.03	25	P	P	20 49 24.6	+0.1
S61A	baz=208,SNR=5.6 Accomac	75.10	29	P	P	20 49 25.2	+0.2
G05D	baz=212 Wamic, OR	75.13	353	P	P	20 49 25.4	+0.3
M48A	baz=171 Edgerton	75.15	21	PFAKE	LR	20 49 40.0	+1.5
Q57A	comp=Z,500nm,20.0s Strasburg	75.16	26	P	P	20 49 25.5	+0.1
MCWV	baz=210 Mont Chateau	75.16	25	PFAKE	LR	20 49 40.0	+1.5
MCWV	comp=Z,300nm,22.0s Mont Chateau	75.16	25	P	P	20 49 25.4	+0.1
L46A	baz=208 Eue Claire	75.17	19	PFAKE	LR	20 49 40.0	+1.5
L46A	comp=Z,600nm,18.0s Eue Claire	75.17	19	P	P	20 49 25.2	-0.1
O53A	baz=203 New Philadelphia	75.19	24	P	P	20 49 25.9	+0.4
K43A	baz=207,SNR=7.7 Burlington	75.25	18	PFAKE	LR	20 49 40.0	+1.4
K43A	comp=Z,700nm,19.0s Burlington	75.25	18	P	P	20 49 25.7	-0.1
Q58A	baz=211 Fox Den Farm,	75.26	27	P	P	20 49 26.3	-0.2
N51A	baz=210 Ashland	75.39	23	PFAKE	LR	20 49 40.0	+1.3
N51A	comp=Z,700nm,20.0s Ashland	75.39	23	P	P	20 49 26.5	-0.1
P56A	baz=206 Dayton Farm, R	75.40	26	P	P	20 49 26.9	+0.2
O54A	baz=209 Avella	75.43	24	P	P	20 49 26.7	-0.1
L47A	baz=208 Sherwood	75.45	20	P	P	20 49 26.6	-0.3
F10A	baz=204 Beach Ranch, E	75.52	356	PFAKE	LR	20 49 40.0	+1.3
N52A	comp=Z,1µm,21.0s McGinn's Farm,	75.53	23	P	P	20 49 26.6	-0.8
M50A	baz=205 Fremont	75.61	22	PFAKE	LR	20 49 40.0	+1.2
M50A	comp=Z,500nm,20.0s Fremont	75.61	22	P	P	20 49 27.6	-0.3
F07A	baz=205 Phinny Hill Vi	75.64	354	PFAKE	LR	20 49 40.0	+1.2
L48A	comp=Z,1µm,21.0s N Adams	75.66	21	P	P	20 49 26.8	-1.3
P57A	baz=204 Homestead Farm	75.70	26	P	P	20 49 28.0	-0.4
R61A	baz=210 Willards	75.79	29	P	P	20 49 28.2	-0.7
N53A	baz=212 Lisbon	75.82	24	PFAKE	LR	20 49 40.0	+1.1
N53A	comp=Z,700nm,21.0s Lisbon	75.82	24	P	P	20 49 29.1	0.0
M51A	baz=207,SNR=6.2 Elyria	75.83	23	P	P	20 49 29.0	-0.1
P58A	baz=206 Pank, Wackersv	75.98	27	P	P	20 49 29.8	-0.2
L49A	baz=210 Milan	76.01	21	P	P	20 49 29.9	-0.3
PLIO	baz=205 Pelee Island,	76.06	22	P	P	20 49 30.1	-0.3
HAWA	baz=206 Hanford	76.10	354	PFAKE	LR	20 49 40.0	+9.4
E09A	comp=Z,2µm,20.0s Wood Farm, Sta	76.12	355	PFAKE	LR	20 49 40.0	+9.4

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I41A	comp=Z,2µm,19.0s Arkdale	76.13	16	PFAKE	LR	20 49 40.0	+9.2
K47A	comp=Z,400nm,21.0s Vermelle	76.15	20	P	P	20 49 30.7	-0.2
F04D	baz=204 Rainier, OR	76.15	352	P	P	20 49 31.2	+0.4
E08A	baz=170 Dider Farm, El	76.16	355	PFAKE	LR	20 49 40.0	+9.1
O56A	comp=Z,2µm,19.0s Blue Knob Stat	76.17	26	PFAKE	LR	20 49 40.0	+8.9
O56A	comp=Z,500nm,19.0s Blue Knob Stat	76.17	26	P	P	20 49 31.0	-0.1
I42A	baz=209 Draeger Farm,	76.20	17	PFAKE	LR	20 49 40.0	+8.8
BBSR	comp=Z,800nm,19.0s BB Station	76.21	40	eP	P	20 49 32.2	+0.8
AAM	comp=Z,33nm,1.0s Ann Arbor	76.22	21	PFAKE	LR	20 49 40.0	+8.7
LAO	comp=Z,600nm,22.0s LASA Array	76.24	4	PFAKE	LR	20 49 40.0	+8.6
LAO	comp=Z,1µm,19.0s LASA Array	76.24	4	P	P	20 49 31.0	-0.4
MSO	comp=Z,1µm,20.0s Missoula	76.24	358	PFAKE	LR	20 49 40.0	+8.5
MSO	comp=Z,1µm,18.0s Missoula	76.24	358	P	P	20 49 30.9	-0.6
N54A	baz=178 Moraine State	76.25	24	PFAKE	LR	20 49 40.0	+8.4
N54A	comp=Z,700nm,22.0s Moraine State	76.25	24	P	P	20 49 32.2	+0.7
L50A	baz=208,SNR=6.8 Kingsville	76.26	22	P	P	20 49 31.6	+0.1
M52A	baz=206 Chesterland	76.29	23	PFAKE	LR	20 49 40.0	+8.2
M52A	comp=Z,800nm,22.0s Chesterland	76.29	23	P	P	20 49 31.1	-0.7
P59A	baz=207 Jarvisville	76.43	27	P	P	20 49 31.7	-0.9
M53A	baz=211 WI Miller and	76.44	24	P	P	20 49 32.1	+0.5
J45A	baz=207,SNR=6.3 Montague	76.45	19	PFAKE	LR	20 49 40.0	+7.4
N55A	comp=Z,900nm,18.0s Marion Center	76.46	25	PFAKE	LR	20 49 40.0	+7.2
N55A	comp=Z,400nm,20.0s Marion Center	76.46	25	P	P	20 49 33.5	+0.8
O57A	baz=209,SNR=6.7 Amberson	76.47	26	P	P	20 49 32.5	-0.4
K48A	baz=210,SNR=6.3 Perry	76.54	21	P	P	20 49 33.1	0.0
SPMN	baz=204 Marine on Pt.	76.58	14	PFAKE	LR	20 49 50.0	+1.7
O58A	comp=Z,1µm,20.0s Lewberry	76.67	27	P	P	20 49 33.7	-0.2
LON	baz=210,SNR=7.1 Longmire	76.67	353	PFAKE	LR	20 49 50.0	+1.6
D08A	Wollman Farm,	76.71	355	PFAKE	LR	20 49 50.0	+1.6
J47A	comp=Z,2µm,20.0s Summer	76.72	20	PFAKE	LR	20 49 50.0	+1.6
J47A	comp=Z,500nm,19.0s Summer	76.72	20	P	P	20 49 34.5	+0.3
SSPA	baz=204 Standing Stone	76.74	26	eP	P	20 49 34.5	+0.2
SSPA	comp=Z,9.5nm,1.1s Standing Stone	76.74	26	P	P	20 49 34.2	-0.2
SSPA	comp=Z,400nm,19.0s Standing Stone	76.74	26	P	P	20 49 34.2	-0.7
PAGS	baz=209 Pennsylvania G	76.84	27	PFAKE	LR	20 49 50.0	+1.5
M54A	comp=Z,400nm,20.0s Oil Creek Stat	76.85	24	PFAKE	LR	20 49 50.0	+1.5
M54A	comp=Z,600nm,22.0s Oil Creek Stat	76.85	24	P	P	20 49 34.5	-0.5
N57A	baz=210 Milroy	76.97	26	P	P	20 49 35.1	-0.5
K50A	baz=210,SNR=5.6 Casco	76.98	22	PFAKE	LR	20 49 50.0	+1.4
G39A	comp=Z,500nm,20.0s Holcombe	76.99	15	P	P	20 49 35.2	-0.4
H43A	baz=198,SNR=5.5 Windswept, Lux	77.04	17	PFAKE	LR	20 49 50.0	+1.4
H43A	comp=Z,800nm,19.0s Windswept, Lux	77.04	17	P	P	20 49 34.9	-1.0
LTY	baz=201 Liberty	77.06	354	PFAKE	LR	20 49 50.0	+1.4
J48A	comp=Z,1µm,21.0s Bridge Port	77.09	21	PFAKE	LR	20 49 50.0	+1.4
J48A	comp=Z,500nm,20.0s Bridge Port	77.09	21	P	P	20 49 36.7	+0.5
F37A	baz=205 Hinrichs Farm,	77.09	14	P	P	20 49 35.2	-1.0
O59A	baz=197 Robeson Base	77.12	27	P	P	20 49 36.0	-0.4
D05A	baz=211 Enumclaw	77.13	353	PFAKE	LR	20 49 50.0	+1.4
M55A	comp=Z,1µm,22.0s Ridgway	77.14	25	P	P	20 49 35.5	-1.1
G40A	baz=209 Rib Lake	77.19	15	PFAKE	LR	20 49 50.0	+1.3
G40A	comp=Z,400nm,19.0s Rib Lake	77.19	15	P	P	20 49 36.7	-0.1
D04E	baz=199,SNR=10 Lakebay	77.20	352	P	P	20 49 36.8	0.0
J49A	baz=170 Marlette	77.34	21	P	P	20 49 36.8	-0.8
M56A	baz=205 Emporium	77.37	25	P	P	20 49 38.1	+0.3
EGMT	baz=209,SNR=7.4 Eagleton	77.43	1	P	P	20 49 38.4	+0.3
O60A	baz=212,SNR=8.6 Telford	77.44	28	P	P	20 49 37.7	-0.5
F38A	baz=212 Pierce - Schro	77.47	14	P	P	20 49 38.3	-0.1
I47A	baz=198,SNR=10 Gladwin	77.53	20	PFAKE	LR	20 49 50.0	+1.1
I47A	comp=Z,800nm,20.0s Gladwin	77.53	20	P	P	20 49 37.8	-0.8
NLWA	baz=204 Neilton Lookou	77.55	352	PFAKE	LR	20 49 50.0	+1.1
O61A	comp=Z,1µm,22.0s Allestown	77.60	28	P	P	20 49 38.5	-0.7
L54A	baz=212 Sinclairville	77.61	24	P	P	20 49 38.5	-0.7
F39A	baz=208 Loretta	77.64	15	P	P	20 49 39.0	-0.2
NEW	baz=198,SNR=9.8 Newport	77.80	356	P	P	20 49 38.1	-2.1
NEW	comp=Z,8.7nm,1.0s,ba Newport	77.80	356	PFAKE	LR	20 49 50.0	+1.0
NEW	comp=Z,2µm,19.0s Newport	77.80	356	P	P	20 49 39.6	-0.5
NEW	comp=Z,20nm,1.2s Newport	77.80	356	P	P	20 49 40.1	0.0
F40A	baz=175,SNR=6.5 Park Falls	77.82	15	P	P	20 49 40.3	+0.1
L55A	baz=199,SNR=8.4 Hinsdale	77.88	25	P	P	20 49 40.7	0.0

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TARA	baz=209,SNR=6.0 Tarawa	77.95	279	PFAKE	LR	20 49 50.0	+8.3
I49A	comp=Z,1µm,19.0s Point Hope	77.97	21	PFAKE	LR	20 49 50.0	+8.9
I49A	comp=Z,700nm,21.0s Point Hope	77.97	21	P	P	20 49 40.9	-0.1
MDND	baz=205 Madcock	78.00	8	PFAKE	LR	20 49 50.0	+8.8
MDND	comp=Z,500nm,19.0s Madcock	78.00	8	P	P	20 49 41.3	+0.1
BRNJ	baz=19 Basking Ridge	78.09	28	PFAKE	LR	20 49 50.0	+8.2
J52A	comp=Z,500nm,18.0s Paris	78.10	23	P	P		

ISCJB 06 23:02:02.0.1.2.0.9,31.70S,0.04:69.78W,0.06, h123km,11km, Error ellipse: s-maj=8.9km s-min=6.2km az=11.2

GUC 06 23:02:02.0.3.0.7,31.72S:69.88W,h126km,15km,ML3.1 ISC 06 23:02:02.0.1.8,31.70S:0.04:69.79W,0.06, h118km,18km,n12,c051120,4C,San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CO02, RYLL, PEL, FCH, GO04, RCDM, LMEL, MRA, GO03, TCA, CYA.

NNC 06 23:27:21.1.3.6,37.37N:71.79E,h188km,53km,mb2.6, mp3.6, Error ellipse: s-maj=36.4km s-min=19.3km az=6.0

ISC 06 23:27:20.9.3.2,37.4AN,02:71.9E,0.1,h200km,n11, c0573/14,4C-2D,Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AML, UCH, KZA, EKS2, AAK, AAK, AAK, KK31, TKM2, TKM2, AB31, AKTO.

ISK 06 23:28:14.2,38.71N:43.53E,h5km,ML2.6/15 DDA 06 23:28:15.0,38.70N:43.48E,h7km,4km,ML2.8

ISCJB 06 23:28:16.1.0.5,38.73N:0.02:43.50E,0.04,h8km,3km, Error ellipse: s-maj=5.1km s-min=3.2km az=11.4

ISC 06 23:28:16.2.0.9,38.73N:0.02:43.48E,0.03,h15km,6km, n36,c1933/51,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include VANB, TVAN, VMUR, ERCV, GEVA, AKDM, ADCV, BASK, DYDN, MLAZ, TUTA, AGRB, BLIS, HAKT, SRTM, CUKT, SIVAN, BTM, EAK, SENK, YEDI, DAGI.

KOPT Kop Dag 2.64 300 i P Pn 23 28 50.1 -8.5 MAZI Mazidag 2.71 432 PN Pn 23 29 01.2 +1.9 EPOS Posof 2.83 349 i P Pn 23 29 09.3 -1.2

GUC 06 23:30:23.7.0.6,21.11S:69.08W,h115km,3km,ML3.5 ISCJB 06 23:30:25.6.0.5,21.12S:0.02:69.03W,0.07,h100km, mb4.9/1, Error ellipse: s-maj=9.1km s-min=3.3km az=4.4

IDC 06 23:30:53.2.1.0,18.53S:67.35W,h220km,42km, n1, mb1 3.0/3, mb1mx2.8/23, mb1mp3.5/3, MS3.2/1, Ms1 3.2/1, ms1mx2.5/20, Error ellipse: s-maj=122.2km s-min=33.9km az=22.0

ISC 06 23:30:25.1.1.0,21.11S:0.03:68.99W,0.07,h100km,n20, c1941/34,11C,Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PB01, PB09, PB02, PB08, PB07, PB03, GO01, PB11, LVC, PB04, PB06, PSGC, MNMC, PB05, PB15, LPAZ, SIIV, PLCA, BDFB, TORD.

HEL 07 00:05:02.0.0,67.84N:20.21E,h0km,ML1.6, ML0.9(UPP),Explosion,Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RATU, NIKU, LANU, DUNU, SALU, KIF, KIF, PAJU, HEF, HEF, HETTA, ERU, TOF, TOF, SGF, RNF, AREO.

UPP 07 00:10:47.6.0.1,67.82N:20.21E,h1km,ML2.1, Explosion,Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include RATU, NIKU, LANU, DUNU, SALU, PAJU, ERU, AUCZ, AZU, EDN, DRKO, LCPR, CVTR, AREN1.

CEDE Laguna Cedeo 4.12 320 eP Pn 00 26 06.0 +1.8 MESS Mesas 4.63 317 eP Pn 00 26 16.3 +4.9

ISCJB 07 01:08:42.3.0.5,26.97S:0.04:26.75E,0.03,h10km, Error ellipse: s-maj=6.7km s-min=3.5km az=151.0

PRE 07 01:08:42.7.1.0,26.96S:26.78E,h2km,ML2.9 EAF 07 01:08:45.1.1.0,27.05S:27.06E,h16km,13km,MD4.1 BUL 07 01:08:46.6.1.5,27.08S:27.12E,h15km,17km,MD4.7

ISC 07 01:08:42.4.0.6,26.96S:0.03:26.75E,0.03,h10km,n31, c225/56,South Africa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include PRYS, WDLM, KLOF, KSR, SWZ, ERPM, LBTB, BOSA, UPI, KEIM, MSNA, MATP, BLWY, BUFB, KOMG, TSUM, CMAR, MKAR, SONM, ZALV, FINES, SHL, CMAR, LMDI, JHRM, IPAR, KLNJ, IRAM, IMEH, ISAD.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PB11, PB02, PSGC, PB09, etc.

ANF 07 03:38:08.1z 1.9, 32.24N, 115.17W, ML2.3/9, Error ellipse: s-maj=13.9km s-min=6.3km az=171.0

ISCJB 07 03:38:12.0z 0.8, 32.42N, 0.04, 115.21W, 0.04, h12km, 4km, Error ellipse: s-maj=6.7km s-min=5.3km az=139.5

SCEDC 07 03:38:13.7z 32.43N, 115.23W, ECX 07 03:38:14.2z 0.6, 32.40N, 115.20W, h6km, MD2.4, ML2.6

ISC 07 03:38:12.8z 1.0, 32.45N, 0.05, 115.22W, 0.04, h15km, 6km, n16, c082Z, 2C-3D, California-Baja California border region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Cerro Prieto, GLA, SWSC, RMX, IKP, etc.

NIED 07 03:38:00.31, 30N, 142.00E, h5km, Mw3.9 Best double couple: M=9.42000, 1014 NP1=42.00000, 824.00000, 1.146.00000

IDC 07 03:38:36.3z 0.6, 31.27N, 141.96E, h0km, mb4.1/1.8, mb1 4.2/2.2, mb1mx4.1/4.1, mbtmp4.0/2.2, ML3.6/3, MS3.0/5, Ms1 3.0/5, ms1mx2.6/3.5, Error ellipse: s-maj=18.2km s-min=15.9km az=69.0

JMA 07 03:38:38.6z 0.2, 31.32N, 142.01E, h65km, M4.0, BUJ 07 03:38:38.9z 0.0, 31.13N, 141.94E, h35km, mb4.5/2.7, mb4.8/1.8, Ms4.1/7, Ms7.3/9.2

ISCJB 07 03:38:39.8z 0.3, 31.32N, 0.03, 141.80E, 0.05, h29km, mb4.5/6, Error ellipse: s-maj=6.5km s-min=3.9km az=144.1

MOS 07 03:38:40.3z 1.1, 31.31N, 141.87E, h37km, mb4.6/2.1, Error ellipse: s-maj=14.6km s-min=6.1km az=111.8

NEIC 07 03:38:41.4z 1.3, 31.29N, 141.88E, h30km, 5km, mb4.6/3.6, Error ellipse: s-maj=13.9km s-min=13.3km az=127.0

ISC 07 03:38:41.0z 0.5, 31.36N, 0.05, 141.94E, 0.07, h29km, n130, c157/142, mb4.6/6.6, 10C-4D, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JHU2, JHUJ, JHU, etc.

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

SONO SONGINGO Array 31.61 312 eP P 03 45 02.2 +0.8

SONM SONGINGO Array 31.61 312 eP P 03 45 02.2 +0.8

YAK YAKUTSK 31.72 349J eP P 03 45 02.2 +0.4

LZH LANZHOU 31.90 289 eP P 03 45 04.2 +0.1

SEY SEYMCHAN 32.29 9 P P 03 45 07.4 +0.4

CD2 CHENGDU 32.58 279 eP P 03 45 08.5 -1.5

TLY TALAYA 34.59 317 eP P 03 45 32.9 +5.7

KMI KUNMING 34.96 270 P P 03 45 26.4 -4.5

BILL BILIBINO 39.37 141 eP P 03 46 08.3 +0.7

CM31 CHIANG MAI ARR 40.81 262 eP P 03 46 19.8 -0.4

CMAR CHIANG MAI ARR 40.81 262 eP P 03 46 19.8 -0.4

WMQ URUMQI 44.02 302 eP P 03 46 55.4 -0.3

DMZ DZAZOV BEAM 46.20 317 P P 03 47 03.3 +0.2

ZALV ZALEVOV BEAM 46.20 317 P P 03 47 03.3 +0.2

ZAA1 ZALEVOV ARR 46.20 317 eP P 03 47 03.3 +0.2

MK31 MAKANCHI ARR 47.68 307 eP P 03 47 15.2 +0.3

MK32 MAKANCHI ARR 47.68 307 eP P 03 47 15.0 +0.1

MKAR MAKANCHI ARR 47.68 307 eP P 03 47 15.3 +0.4

MAKZ MAKANCHI 47.90 307 eP P 03 47 16.7 +0.2

MAKZ MAKANCHI 47.90 307 eP P 03 47 16.7 +0.2

KURK KURCHATOV 49.92 312 eP P 03 47 32.0 +0.1

KURK KURCHATOV 49.92 312 eP P 03 47 32.0 +0.1

KURB KURCHATOV 49.98 312 P P 03 47 32.4 0.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like KK31, KKAR, EPYK, etc.

KK31 KARATAY ARRAY 56.49 304 eP P 03 48 20.8 +0.4

KKAR KARATAY ARRAY 56.49 304 eP P 03 48 20.8 +0.4

EPYK EAGLE PLAINS 58.27 28 eP P 03 48 33.6 +0.9

ARU ARTI 60.96 321 iP P 03 48 51.2 0.0

ARU ARTI 60.96 321 iP P 03 48 51.3 0.0

ABKAR AKBULAK ARR 62.02 313 eP P 03 48 58.9 +0.3

YKA YELLOWKNIFE 68.52 29 P P 03 49 40.6 +0.2

YKB5 YELLOWKNIFE 68.52 29 eP P 03 49 40.6 +0.2

ARAO ARCESSE ARRAY S 69.46 340 eP P 03 49 47.0 +0.8

ARCS ARCESSE ARRAY B 69.46 340 eP P 03 49 47.0 +0.8

YBH YREKA BLUE HOR 73.52 51 LR LR 04 16 16.3

FAIO FINESSE ARRAY S 74.05 333 eP P 03 50 14.1 +0.3

FAIO FINESSE ARRAY B 74.05 333 eP P 03 50 14.1 +0.3

FINES FINESSE ARRAY S 74.05 333 eP P 03 50 14.1 +0.3

KIV KISLOVODSK 75.00 312 eP P 03 50 19.9 +0.1

KRM LIMEXIN RIDGE 77.92 44 eP P 03 50 35.8 -0.8

NV01 MINA ARRAY SIT 78.07 52 eP P 03 50 38.0 +0.5

NVAR MINA ARRAY BEA 78.07 52 eP P 03 50 38.0 +0.5

AKASG MALIN ARRAY BE 79.07 323 P P 03 50 43.1 +0.6

AKBB MALIN ARRAY SI 79.07 323 eP P 03 50 43.1 +0.6

AKBB MALIN ARRAY SI 79.07 323 eP P 03 50 43.1 +0.6

NB2 NORSAR SUBARRA 79.59 338 P P 03 50 44.9 -0.2

NB200 NORSAR ARRAY S 79.59 338 eP P 03 50 45.0 -0.2

NOA NORSAR ARRAY B 79.59 338 P P 03 50 45.0 -0.2

NOA NORSAR ARRAY B 79.59 338 P P 03 50 45.0 -0.2

PD31 NORSAR ARRAY B 81.34 45 eP P 03 50 55.0 -0.2

PDAR PINEDALE ARRAY 81.34 45 eP P 03 50 55.0 -0.2

SZCU SHURTZ CANYON 82.00 51 eP P 03 50 59.8 +1.1

LCMT LITTLE CREEK M 82.52 51 eP P 03 51 01.4 +1.6

P17A BUTCHER RANCH 82.48 48 eP P 03 51 01.2 +0.1

KNB KANAB 82.50 51 eP P 03 51 02.7 +1.4

KNB KANAB 82.50 51 eP P 03 51 02.7 +1.4

Q16A CASTLE VALLEY 82.52 49 eP P 03 51 03.1 +1.7

SRU SAN RAFAEL SW 82.83 48 eP P 03 51 03.8 +0.8

SRU SAN RAFAEL SW 82.83 48 eP P 03 51 03.8 +0.8

BR101 KESKIN ARRAY S 82.97 312 P P 03 51 04.0 +0.4

BRTR KESKIN ARRAY B 82.97 312 P P 03 51 04.0 +0.4

BRTR KESKIN ARRAY B 82.97 312 eP P 03 51 05.5 +1.9

RAYN AR RAYN 83.25 293 eP P 03 51 05.5 +0.2

RAYN AR RAYN 83.25 293 eP P 03 51 05.5 +0.2

PV23 CARPENTER RIDGE 84.17 48 eP P 03 51 11.0 +1.0

PV10 PARADOX VALLEY 84.20 48 eP P 03 51 11.8 +1.7

PV14 LION CREEK BASIN 84.21 48 eP P 03 51 11.0 +0.8

PV20 WEST NYSWONGER 84.27 48 eP P 03 51 11.1 +0.7

PV04 PARADOX VALLEY 84.28 48 eP P 03 51 11.5 +1.1

WUAZ WUPATKI 84.31 52 eP P 03 51 12.1 +1.5

PV16 NYSWONGER MESA 84.32 48 eP P 03 51 11.6 +0.9

PV11 DAVID MESA, PA 84.35 48 eP P 03 51 12.3 +1.4

PV18 SKIN MESA, PA 84.36 48 eP P 03 51 11.6 +0.7

PV12 PARADOX BASIN 84.38 48 eP P 03 51 12.5 +1.5

PV03 PARADOX VALLEY 84.39 48 eP P 03 51 12.2 +1.1

PV01 PARADOX VALLEY 84.64 48 eP P 03 51 13.6 +1.2

VYHS VYHNE 85.65 326 eP P 03 51 18.9 +2.0

VYHS VYHNE 85.65 326 eP P 03 51 18.9 +2.0

CLL COLLIM 86.24 331 iP P 03 51 18.9 -0.8

CLL COLLIM 86.24 331 iP P 03 51 18.9 -0.8

TX31 LAJITAS ARR, SI 93.21 53 eP P 03 51 54.2 +1.0

TXAR LAJITAS ARR 93.21 53 P P 03 51 53.8 +0.6

TOA1 TOROJI ARR, SIT 121.58 313 eP P 03 57 31.0 -1.5

TORD TOROJI ARR, BEA 121.58 313 eP P 03 57 31.0 -1.5

LPAZ LA PAZ 148.78 66 PKPbc PKP 03 58 28.5 0.0

SVSA 07 03:52:15.6z 0.9, 38.80N, 26.80W, h5km, 3km, MD3.5, ML2.5, 1C, Error ellipse: s-maj=7.2km s-min=1.2km az=28.0, Azores Islands

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

VYHS	ARCES	ARCES Array B	91.58 340	epP	pwP	04 46 45.5 -1.1
		comp=Z,1.1nm,0.6s,baz=138,slow=3.2,SNR=7.8				04 46 30.7 -0.2
GERES	GERES Array B	94.59 318	P			04 46 45.9 +0.4
		comp=Z,0.4nm,0.5s,baz=138,slow=4.2,SNR=5.6				
HFS	Hagfors	95.28 330	P			04 46 47.8 -0.3
		comp=Z,1.5nm,0.7s,baz=151,slow=3.4,SNR=5.6				
SPITS	Spitsbergen Ar	95.38 348	P			04 46 47.4 -0.9
		comp=Z,7.0nm,0.9s,baz=49,slow=14,SNR=4.7				
NOA	NORSA	96.53 331	LR			05 34 16.5
		comp=Z,8.0nm,20.3s,baz=10.0,slow=38				
YKA	Yellowknife Ar	117.07 19	PKP			04 52 08.3 -0.7
		comp=Z,0.5nm,0.8s,baz=325,slow=2.2,SNR=4.2				
YKBS	Yellowknife Ar	117.07 19	ePKPdf			04 52 08.3 -0.7
DLMT	Dillon	129.72 33	ePKPdf			04 52 35.2 +0.5
NV01	Mina Array Sit	130.14 44	ePKPdf			04 52 36.7 +0.8
NVAR	Mina Array Bea	130.14 44	PKP			04 52 36.7 +0.8
		comp=Z,0.2nm,0.6s,baz=319,slow=2.6,SNR=3.3				
PDAR	Pinedale Array	133.07 34	PKP			04 52 41.0 +0.5
		comp=Z,0.3nm,0.7s,baz=10.0,slow=0.0,SNR=4.4				
Q2A4	Divide	138.10 34	ePKPdf			04 52 49.0 -1.1
BINY	Binghamton	144.03 360	P			04 52 58.2 +0.5
		naz=0.4				
N46A	Monticello	144.08 14	P			04 52 58.2 +0.3
		baz=342				
L53A	Girard	144.09 5	PKPab			04 52 58.6 +0.7
		baz=353				
M50A	Fremont	144.30 9	PKPab			04 52 58.8 +0.1
		baz=345				
N47A	Urbana	144.32 12	P			04 52 58.8 0.0
		baz=344				
O44A	Mansfield	144.33 16	P			04 52 59.0 +0.2
		baz=339				
M52A	Chesterland	144.39 7	PKPab			04 52 59.0 -0.1
		baz=351				
O45A	Potomac	144.44 15	P			04 52 59.4 +0.2
		baz=342				
SFIN	Lafayette	144.48 14	P			04 52 59.3 -0.1
		baz=341,SNR=5.9				
N48A	Decatur	144.48 12	P			04 52 59.0 -0.4
		baz=345				
M51A	Clyria	144.50 8	PKPab			04 52 59.1 -0.3
		baz=350				
P43A	Skaggs, Pawnee	144.50 18	P			04 52 59.1 -0.3
		baz=337				
M53A	WJ Miller and	144.57 6	P			04 52 59.2 -0.5
		baz=352				
N49A	Columbus Grove	144.58 10	P			04 52 59.3 -0.4
		baz=346				
M54A	Oil Creek Stat	144.59 4	P			04 52 59.4 -0.4
		baz=354,SNR=6.0				
WMOK	Wichita Mounta	144.68 33	ePKPdf			04 53 00.1 -0.3
WMOK	Wichita Mounta	144.68 33	ePKIKP			04 53 00.1 -0.3
WMOK	Wichita Mounta	144.68 33	P			04 52 59.9 -0.4
		baz=319				
M59A	Waymart	144.68 359	P			04 52 59.8 -0.4
		baz=313				
M55A	Ridgway	144.69 3	P			04 52 59.8 -0.4
		baz=356				
M56A	Emporium	144.70 3	P			04 52 59.6 -0.6
		baz=349				
BDFB	Brasilia	144.71 232	PKP			04 53 01.9 +0.7
		comp=Z,3.5nm,0.7s,baz=169,slow=5.2,SNR=5.0				
O47A	Sheridan	144.83 13	P			04 52 59.9 -0.8
		baz=343				
M61A	Granite Spring	144.85 357	P			04 52 59.9 -0.9
		baz=4.2				
N51A	Ashland	144.88 8	P			04 52 59.4 -1.5
		baz=349				
N50A	Nevada	144.90 9	PKPab			04 53 00.6 -0.3
		baz=348,SNR=5.3				
O48A	Farmland	145.03 12	P			04 53 00.8 -0.6
		baz=344,SNR=14				
N52A	McGinn's Farm,	145.07 7	P			04 53 01.1 -0.5
		baz=350,SNR=5.4				
N54A	Moraine State	145.10 5	ePKPbc			04 53 00.8 -0.8
N54A	Moraine State	145.10 5	PKPbc			04 53 01.0 -0.6
		baz=353				
P45A	Graceland, Par	145.11 16	P			04 53 01.5 -0.2
		baz=340,SNR=8.7				
PAL	Palisades	145.16 357	P			04 53 01.4 -0.3
		baz=4.0				
P46A	Rosedale	145.17 15	P			04 53 01.5 -0.3
		baz=341,SNR=9.0				
N53A	Lisbon	145.18 6	ePKPbc			04 53 01.7 -0.1
N53A	Lisbon	145.18 6	P			04 53 01.3 -0.5
		baz=352				
TX31	Lajitas Ar. Si	145.26 45	ePKPbc			04 53 03.2 +0.5
TXAR	Lajitas Array	145.26 45	PKPbc			04 53 03.6 +0.8
		comp=Z,1.4nm,0.8s,baz=288,slow=1.3,SNR=126				
N56A	West Decatur	145.26 3	P			04 53 01.7 -0.5
		baz=356,SNR=5.5				
O49A	Covington	145.26 11	P			04 53 01.6 -0.6
		baz=346,SNR=5.9				
TUL1	Leonard	145.29 29	P			04 53 02.1 -0.3
		baz=324				
N59A	State Game Lan	145.31 359	ePKPbc			04 53 02.5 -0.2
N59A	State Game Lan	145.31 359	P			04 53 02.0 -0.3
		baz=0.8,SNR=5.6				
CCM	Cathedral Cave	145.36 21	ePKPbc			04 53 01.7 -0.8
CCM	Cathedral Cave	145.36 21	ePKIKP			04 53 01.7 -0.8
CCM	Cathedral Cave	145.36 21	P			04 53 02.0 -0.5
		baz=333				
N55A	Marion Center	145.36 4	P			04 53 02.0 -0.5
		baz=355,SNR=8.7				
O50A	Cable	145.43 10	P			04 53 02.2 -0.5
		baz=347,SNR=9.7				
N57A	Milroy	145.45 2	PKP			04 53 02.3 -0.4
		baz=358,SNR=8.0				
ACSO	Alum Creek Sta	145.46 9	P			04 53 02.3 -0.5
		baz=348,SNR=11				
P47A	Martinsville	145.52 14	P			04 53 02.6 -0.3
		baz=342,SNR=25				
SSPA	Standing Stone	145.56 2	ePKPdf			04 53 02.7 -0.2
SSPA	Standing Stone	145.56 2	PKP			04 53 02.6 -0.3
		baz=357				
Q45A	Warren Harvey,	145.59 17	P			04 53 03.0 0.0
		baz=339,SNR=12				
O51A	Pataskala	145.60 9	P			04 53 02.7 -0.3
		baz=349,SNR=17				
LUPA	Lehigh Unvers	145.62 359	ePKPdf			04 53 03.2 +0.1
O53A	New Philadelphia	145.68 7	P			04 53 03.0 -0.1
		baz=351,SNR=5.5				
O52A	Adamsville	145.74 8	P			04 53 03.0 -0.2
		baz=350				
P48A	Milroy	145.74 13	ePKPdf			04 53 02.8 -0.5
P48A	Milroy	145.74 13	P			04 53 03.0 -0.2
		baz=344,SNR=10				
O49A	Miami Univ. Ec	145.82 12	P			04 53 03.3 -0.1
		baz=345,SNR=17				
P54A	Avella	145.84 6	P			04 53 03.7 +0.3
		baz=353,SNR=5.9				
O56A	Blue Knob Stat	145.90 3	P			04 53 04.0 +0.4
		baz=356,SNR=10				
O55A	Ligonier	145.91 4	P			04 53 03.8 +0.3
		baz=354				
O59A	Robesonia	145.92 360	P			04 53 03.8 +0.3
		baz=0.1				
P50A	Jamestown	145.93 11	P			04 53 03.6 0.0
		baz=346,SNR=9.6				
O57A	Amberson	146.00 2	P			04 53 03.9 +0.1
		baz=358				
Q47A	Bedord North L	146.01 14	P			04 53 04.2 +0.5
		baz=342,SNR=9.2				
O58A	Lewisberry	146.10 1	P			04 53 04.3 +0.5
		baz=359				
O61A	Allentown	146.10 358	P			04 53 04.2 +0.4
		baz=310				
R45A	Skylar, Fairri	146.11 17	P			04 53 04.7 +0.8
		baz=338,SNR=6.8				
P51A	Williamsport	146.18 10	P			04 53 04.3 +0.3
		baz=348				
Q48A	North Vernon	146.18 13	P			04 53 04.8 +0.8
		baz=343,SNR=23				
U40A	Yellville	146.22 25	P			04 53 04.8 +0.6
		baz=329				
Q49A	Aurora	146.29 12	P			04 53 04.8 +0.5
		baz=344				
PSUB	Penn St. - Bra	146.29 359	ePKPbc			04 53 04.6 +0.5
S44A	Carbondale	146.36 19	P			04 53 05.3 +1.0
		baz=336				
O45A	Burton	146.41 6	P			04 53 05.4 +1.0
		baz=352				
MCWV	Mont Chateau	146.41 5	P			04 53 05.5 +1.1
		baz=354				
P53A	Whipple	146.41 7	P			04 53 05.4 +1.0
		baz=351,SNR=5.6				

P60A	Greenville	146.41 359	P	PKPdf	04 53 05.2 +0.8
		baz=1.0			
P55A	Reedsville	146.56 5	P	PKPdf	04 53 05.7 +0.9
		baz=354			
Q51A	Peese	146.57 10	P	PKPdf	04 53 05.7 +1.0
		baz=347,SNR=5.9			
R47A	Wooly Knot Far	146.59 15	P	PKPdf	04 53 05.7 +1.0
		baz=341			
P59A	Jarrettsville	146.62 0	P	PKPdf	04 53 05.9 +1.2
		baz=392			
Q50A	Georgetown	146.63 11	P	PKPdf	04 53 05.7 +0.9
		baz=346			
P56A	Dayton Farm, R	146.64 4	P	PKPdf	04 53 06.1 +1.3
		baz=339,SNR=5.1			
R48A	Northridge Ran	146.65 14	P	PKPdf	04 53 06.3 +1.4
		baz=342,SNR=7.5			
P57A	Homestead Farm	146.71 3	P	PKPdf	04 53 06.4 +1.5
		baz=367,SNR=7.6			
WCI	Wyandotte Cave	146.71 15	ePKPbc		04 53 06.1 +1.2
WCI	Wyandotte Cave	146.71 15	ePKP2		04 53 06.1 +1.2
WCI	Wyandotte Cave	146.71 15	P		04 53 06.3 +1.3
P58A	Bank, Wackersv	146.72 2	P	PKPdf	04 53 06.3 +1.4
		baz=348			
Q52A	Bidwell	146.81 9	P	PKPdf	04 53 06.3 +1.2
		baz=349,SNR=5.9			
S46A	Don Dixon Farm	146.84 17	P	PKPbc	04 53 07.1 0.0
		baz=339			
R49A	Shelbyville	146.92 13	P	PKPdf	04 53 06.7 +1.4
		baz=344			
Q54A	Coxs Mills	146.98 7	P	PKPdf	04 53 06.9 +1.5
		baz=352			
Q53A	Leroy	147.01 8	P	PKPdf	04 53 07.2 +1.8
		baz=350			
Q55A	Buckhannon	147.04 6	P	PKPdf	04 53 07.3 +1.7
		baz=393,SNR=5.6			
Q56A	Snyder Ridge,	147.08 4	P	PKPdf	04 53 07.3 +1.7
		baz=355			
R50A	Paris	147.11 12	P	PKPdf	04 53 07.1 +1.5
		baz=345			
JCT	Junction City	147.12 40	ePKPbc		04 53 08.6 +0.5
JCT	Junction City	147.12 40	ePKP2		04 53 08.6 +0.5
Q57A	Strasburg	147.13 3	P	PKPdf	04 53 07.5 +1.8
		baz=356			
S47A	Hartford	147.16 16	P	PKPdf	04 53 07.5 +1.8
		baz=340			
Q58A	Fox Den Farm,	147.26 2	P	PKPbc	04 53 07.8 -0.3
		baz=357			
S48A	Wiedeman Farm,	147.31 15	P	PKPbc	04 53 08.0 -0.4
		baz=342			
R52A	Catsburg	147.36 9	P	PKPdf	04 53 07.8 +1.7
		baz=348			
T46A	Princeton				

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mar Martin, Cerro La Cruz, Urewera, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Serra do Cume, Angra Heroismo, Manadas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Sete Cidades, Pico, Chama da Macela, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Torodi Ar. Bea, Churui, Rauus, etc.

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

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

ISCJB 07 10:47:56.1±1.4, 20:55:0.2±178:0W±0.3, h534km, mb3.4/4, Error ellipse: s-maj=38.8km s-min=22.8km az=19.0

ISC 07 10:47:56.7±1.2, 20:55:5.177:88W, h534km, mb2.9/4, mb1 3.2/5, mb1mx2.8/3.1, mbtmp3.9/5, Error ellipse: s-maj=39.8km s-min=35.8km az=143.0

ISC 07 10:47:56.9±1.5, 20:55:0.2±178:0W±0.3, h534km, n6, mb1 3.0/5, mb3.4/4, Fiji Islands region

NNC 07 10:48:42.3±0.3, 53:45N±87:99E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=23.1km s-min=19.4km az=13.0

KRAR 07 10:48:40.7±0.2, 53:52N±87:87E, M2.0, 4C-5D, Industrial explosion (after The Earthquakes of Russia in 2012. Ohnisk, GS RAS, 22p+ CD-ROM, 2014), Southwestern Siberia

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

ISCJB 07 11:09:58.2±0.4, 45:18N±0:05±141:25E±0:08, h285km, mb3.2/9, Error ellipse: s-maj=9.6km s-min=8.1km az=150.2

JMA 07 11:09:58.7±0.2, 45:18N±141:27E, h285km, 2km, M2.8, IDC 07 11:09:58.8±0.6, 45:24N±141:30E, h275km, 8km, mb3.0/9, mb1 3.2/12, mb1mx3.0/4.4, mbtmp3.6/12, Error ellipse: s-maj=18.4km s-min=13.4km az=177.0

ISC 07 11:09:59.0±0.7, 45:13N±0:06±141:25E±0:07, h282km, 6km, n33, c098/47, mb3.1/9, Hokkaido region

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

ISC 07 12:07:41.8±3.4, 22:83N±11:60W, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.4/3.4, mbtmp3.7/4, ML3.4/1, Error ellipse: s-maj=90.5km s-min=38.2km az=71.0, Mauritania

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

SVSA 07 11:19:16.7±1.1, 38:50N±26:86W, h1km, 6km, MD3.5, ML1.9, Error ellipse: s-maj=6.5km s-min=2.9km az=33.0, Azores Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Serra do Cume, Angra Heroismo, Manadas, etc.

IDC 07 11:23:38.4±61.0, 17:16S±174:84E, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.6/18, mbtmp3.9/3, Error ellipse: s-maj=1066.0km s-min=150.9km az=74.0, Fiji Islands region

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

IDC 07 11:48:42.6±2.2, 1:70N±93:94E, h0km, mb3.7/4, mb1 3.9/6, mb1mx3.6/36, mbtmp3.8/6, ML3.8/2, MS3.0/5, M1 3.0/5, mb1mx2.7/39, Error ellipse: s-maj=59.5km s-min=25.2km az=57.0

ISCJB 07 11:48:45.0±0.8, 1:81N±0:09±94:22E±0:07, h20km, mb3.9/8, MS3.3/2, Error ellipse: s-maj=14.0km s-min=7.3km az=32.8

NEIC 07 11:48:48.0±0.5, 1:88N±94:18E, h34km, 6km, mb4.1/5, Error ellipse: s-maj=25.9km s-min=18.2km az=55.0

ISC 07 11:48:47.2±1.2, 1:9N±0:1±94:3E±0:1, h20km, n26, c097/22, mb4.0/8, Off west coast of northern Sumatra

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

IDC 07 12:07:41.8±3.4, 22:83N±11:60W, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.4/3.4, mbtmp3.7/4, ML3.4/1, Error ellipse: s-maj=90.5km s-min=38.2km az=71.0, Mauritania

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

CNRM 07 12:10:17.2, 29:01N±12:47W, h68km, ml3.3, ISC 07 12:10:15.5±4.4, 29:11N±0:2±12:47W±0:2, h10km, n9, c25/15, Canary Islands region

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

ISCJB 07 12:14:02.5±0.6, 14:79S±0:06±167:01E±0:07, h67km, mb4.4/19, Error ellipse: s-maj=10.8km s-min=6.7km az=136.9

IDC 07 12:14:02.6±5.6, 14:58S±167:16E, h65km, 48km, mb4.0/7, Mb1 4.2/7, mb1mx3.7/30, mbtmp4.3/7, ML5.3/1, MS2.9/2, M1 2.9/2, ms1mx2.5/27, Error ellipse: s-maj=32.6km s-min=23.4km az=13.0

NEIC 07 12:14:04.6±1.6, 14:72S±167:05E, h76km, 12km, mb4.7/16, Error ellipse: s-maj=30.8km s-min=12.5km az=80.0

ISC 07 12:14:03.4±0.8, 14:77S±0:07±167:2E±0:1, h67km, n66, c156/67, mb4.6/19, Vanuatu Islands

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

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like VRI Vriocincia, PLO Plostinia, AKBB Malin Array Si, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like ILAR Eielson Array, YKA Yellowknife Ar, YKBS Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like BKZ Black Stump Fm, MUZG Murupara, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNMC Minye Minye, PSGC Pisagua, IPOC Station P, etc.

MEX 07 13:47:25.0-1.0, 17.00N-94.01W, h177km, 10km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMIG Matias Romero, TGIG Huatulco, Vista Hermosa, etc.

ISCJB 07 13:50:57.4-0.3, 13.03S-104.167.05E, 0.09, h200km, mb4.3/3, Error ellipse: s-maj=12.2km s-min=6.0km az=5.4

NEIC 07 13:50:59.4-0.4, 13.03S-167.09E, h206km, 4km, mb4.4/21, Error ellipse: s-maj=8.4km s-min=4.8km az=107.0

IDC 07 13:51:02.6-3.0, 13.12S-167.03E, h232km, 27km, mb3.9/18, mb 1.4, 1/19, mb1mx4.0/27, mbmp4.5/19, Error ellipse: s-maj=17.7km s-min=11.7km az=75.0

ISC 07 13:50:58.0-0.5, 13.06S-106.167.1E, 0.1, h200km, n78, c092/84, mb4.4/34, Vanuatu Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MARNC Mare, Loyalty, DZM Mont Dzumac, EIDS Eidsvold, LHI Lord Howe Isla, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NVAR Mina Array Bea, EGAK Ege, MKR2 Makanchi Array, ZALV Zalesovo Beam, etc.

IDC 07 13:52:55.6-0.5, 43.13N-87.25E, h0km, mb4.1/22, Mb1 3.1/8, mb1mx4.1/49, mbtmp4.1/27, ML3.8/5, MS3.1/8, Ms1 3.1/8, ms1mx2.9/33, Error ellipse: s-maj=15.3km s-min=9.6km az=30.0

SOME 07 13:52:56.5-4.0, 57N-84.73E, h0km, mb4.3/38, MS3.1/6, Error ellipse: s-maj=4.2km s-min=2.7km az=107.0

BJJ 07 13:52:58.8-0.2, 43.06N-87.24E, h6km, mb4.4/25, mb4.4/19, ML4.3/12, Ms3.9/13, MS2.3/7, NNC 07 13:52:59.8-1.7, 43.39N-87.03E, h0km, mb4.7, mpv4.6, Error ellipse: s-maj=15.6km s-min=9.0km az=146.0

MOS 07 13:52:59.5-1.1, 43.19N-87.22E, h37km, mb4.5/7, Error ellipse: s-maj=8.1km s-min=5.8km az=44.0

NEIC 07 13:53:01.5-0.5, 43.20N-87.21E, h40km, 4km, mb4.4/14, Error ellipse: s-maj=5.3km s-min=4.0km az=186.0

ISC 07 13:52:58.4-0.3, 43.18N-0.038-87.28E, 0.02, h10km, n185, c29/200, mb4.3/38, MS3.0/6, 18C-13D, Northern

Code Station Name Az, Phase ID, Time, Res. Includes stations like WMQ Urumqi, ZSN Zaisan, MK31 Makanchi Array, etc.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WMQ Urumqi, ZSN Zaisan, MK31 Makanchi Array, etc.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SATY comp=Z,40nm,0.2s, SATY comp=Z,288nm,0.8s, SATY comp=Z,37nm,0.2s, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, etc. Includes stations like Zalesovo Array, Karatay Array, and various other arrays.

Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, etc. Includes stations like KIRV Kirov, KLR Kul'dur, YAK Yakutsk, and various other arrays.

Table with columns: Station Name, Frequency, Band, Mode, Power, SNR, etc. Includes stations like SDV Santo Domingo, TXAR Lajitas Array, PDAR Pinedale Array, and various other arrays.

IDC 07 14:33:05.0-5.0, 14:65Sx174.77W, h0km, mb3.8/4, mb1 4.1/4, mb1mx3.7/25, mbtmp3.8/4, Error ellipse: s-maj=224.7km s-min=35.3km az=136.0, Samoa Islands

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

IDC 07 14:37:41.5-0.9, 8:03S; 0:06:74.51W; 0.05, h151km, mb3.4/8, Error ellipse: s-maj=8.2km s-min=7.7km az=179.8

MDP	Montagnes des Capacho	35.52 25 P	P	14 46 00.3 -0.2
SDV	Santo Domingo	36.72 354 eP	P	14 46 03.4 -0.7
SDV	Santo Domingo	37.11 348 eP	P	14 46 09.7 -1.2
SDV	Santo Domingo	36.72 354 eP	P	14 46 09.6 -1.3
SDV	Santo Domingo	36.72 354 eP	P	14 46 09.5 -1.3
SDV	Santo Domingo	36.72 354 eP	P	14 46 09.8 -1.0
SMLC	San Martin de	37.11 348 eP	P	14 46 10.8 -3.2
JTS	Las Juntas de	41.79 333 eP	P	14 46 55.2 +2.5
JTS	Las Juntas de	41.79 333 eP	P	14 46 55.2 +2.5
APG	El Apazo	48.37 329 P	P	14 47 45.8 +0.9
SNAA	Sanae	55.68 160 P	P	14 48 38.9 +0.9
SNAA	Sanae	55.68 160 eP	P	14 48 38.7 +0.7
859A	Kempfer Cattle	57.22 345 P	P	14 48 49.3 +0.1
453A	Whigham	60.72 343 P	P	14 49 13.3 0.0
353A	Camilla	61.17 343 P	P	14 49 16.1 -0.2
156A	Sylvania	61.77 346 P	P	14 49 20.8 +0.4
155A	Kite	61.96 345 P	P	14 49 21.5 -0.1
349A	Repton	62.00 340 P	P	14 49 21.3 -0.5
154A	Montrose	62.10 344 P	P	14 49 22.0 -0.6
251A	Midway	62.19 342 P	P	14 49 22.7 -0.4
250A	Grady	62.32 341 P	P	14 49 23.1 +0.9
152A	Waverly Hall	62.55 343 P	P	14 49 25.1 -0.4
249A	Camden	62.56 341 P	P	14 49 25.3 -0.3
151A	Opelika	62.58 342 P	P	14 49 25.0 -0.7
Z54A	Sparta	62.63 345 P	P	14 49 25.4 -0.7
150A	Eclectic	62.84 342 P	P	14 49 26.9 -0.5
Z53A	Monticello	62.85 344 P	P	14 49 27.1 -0.4
GOGA	Godfrey	62.95 344 P	P	14 49 27.7 -0.5
Z52A	Williamson	62.97 343 P	P	14 49 27.3 -1.0
149A	Jones	63.05 341 P	P	14 49 28.3 -0.5
Y55A	Saluda	63.09 346 P	P	14 49 28.9 -0.1
X58A	Rowland	63.20 348 P	P	14 49 29.7 0.0
Y54A	Tignall	63.20 345 P	P	14 49 29.4 -0.3
Y53A	Monroe	63.40 344 P	P	14 49 31.0 -0.1
Z50A	Ashland	63.42 342 P	P	14 49 30.9 -0.4
Z50A	Ashland	63.42 342 P	P	14 49 30.7 -0.6
X56A	White Oak	63.45 347 P	P	14 49 30.7 -0.7
LRAL	Lakeview Retre	63.52 341 P	P	14 49 32.3 +0.4
Y52A	Lilburn	63.52 344 P	P	14 49 31.8 -0.2
Z49A	Columbiana	63.53 342 P	P	14 49 31.5 -0.5
X55A	Gracelyn & Ava	63.56 346 P	P	14 49 32.3 +0.2
W58A	Raeford	63.63 349 P	P	14 49 33.1 +0.5
V62A	Hyde County Ai	63.67 352 P	P	14 49 33.4 +0.6
X54A	Belton	63.79 346 P	P	14 49 33.9 +0.2
Y51A	Rockmart	63.81 343 P	P	14 49 33.4 -0.4
VBMS	Vicksburg	63.85 338 P	P	14 49 34.5 +0.4
W57A	Gilead	63.90 348 eP	P	14 49 34.5 +0.2
W57A	Gilead	63.90 348 eP	P	14 49 34.5 +0.2
X53A	Estanollee	63.95 345 P	P	14 49 34.7 0.0
Y50A	Piedmont	63.98 343 P	P	14 49 34.3 -0.6
W56A	Indian Trail	63.99 347 P	P	14 49 34.9 0.0
833A	Chaparral WMA,	63.99 328 eP	P	14 49 35.9 +0.8
833A	Chaparral WMA,	63.99 328 P	P	14 49 36.1 +1.0
Y49A	Blount Mountai	64.13 342 P	P	14 49 35.4 -0.5
X52A	Dahlonega	64.19 344 P	P	14 49 36.0 -0.3
Y59A	Middlesex	64.19 350 P	P	14 49 36.8 +0.5
W54A	Cherokee Point	64.27 346 P	P	14 49 37.0 +0.2
V58A	Windy Hill, Pi	64.36 349 P	P	14 49 37.6 +0.3
X51A	Calhoun	64.39 344 eP	P	14 49 37.1 -0.4
X51A	Calhoun	64.39 344 P	P	14 49 37.6 +0.1
X50B	Fort Payne	64.49 343 P	P	14 49 37.8 -0.4
W53A	Cullowhee	64.56 345 P	P	14 49 38.9 +0.1
V57A	Coltrane Farms	64.57 348 P	P	14 49 38.6 -0.1
V56A	Mocksville	64.63 348 P	P	14 49 39.1 0.0
W52A	Murphy	64.67 345 P	P	14 49 39.3 0.0
X49A	Woodville	64.72 342 P	P	14 49 39.4 -0.3
U58A	Oxford	64.86 350 P	P	14 49 40.7 +0.1
X48A	Hartselle	64.86 342 eP	P	14 49 40.3 -0.3
X48A	Hartselle	64.86 342 P	P	14 49 40.5 -0.1
X48A	Nebo	64.88 346 P	P	14 49 40.9 +0.1
W51A	Cleveland	64.93 344 P	P	14 49 41.0 -0.1
NATX	Nacogdoches	64.94 334 P	P	14 49 40.7 -0.5
V53A	Saluda	64.96 346 P	P	14 49 41.1 -0.3
U57A	Blanch	65.03 349 P	P	14 49 41.7 +0.1
W50A	Signal Mountai	65.11 343 P	P	14 49 42.1 -0.2
U56A	King	65.13 348 P	P	14 49 42.6 +0.3
X47A	Russelville	65.15 341 P	P	14 49 42.1 -0.4
W49A	Belvidere	65.28 343 P	P	14 49 43.0 -0.3
SWET	Sewanee	65.28 343 eP	P	14 49 42.8 -0.5
V52A	Sevierville	65.30 345 P	P	14 49 43.0 -0.4
T58A	Grand View Acr	65.39 350 P	P	14 49 44.4 +0.4
X46A	Booneville	65.40 340 P	P	14 49 43.5 -0.6
W48A	Pulaski	65.47 342 P	P	14 49 44.2 -0.3
V50A	Pikeville	65.50 344 P	P	14 49 44.4 -0.3
U53A	Fall Branch	65.58 346 P	P	14 49 44.9 -0.4

OXF	Oxford	65.61 340 P	P	14 49 44.9 -0.6
T56A	Rocky Mt	65.73 348 P	P	14 49 45.9 -0.3
W47A	Westpoint	65.76 341 P	P	14 49 45.9 -0.6
U52A	Thorn Hill	65.78 345 P	P	14 49 45.7 -0.8
V49A	McMillnville	65.79 343 P	P	14 49 46.0 -0.6
U51A	La Follette	65.91 345 P	P	14 49 46.8 -0.6
T55A	Pulaski	65.95 348 P	P	14 49 48.2 +0.6
JCT	Junction City	66.00 329 eP	P	14 49 47.5 -0.6
JCT	Junction City	66.00 329 P	P	14 49 49.1 +1.0
V48A	Smith Brothers	66.01 342 eP	P	14 49 47.6 -0.4
V48A	Smith Brothers	66.01 342 P	P	14 49 47.6 -0.4
T54A	Tazewell	66.05 347 P	P	14 49 48.4 +0.1
WLAR	White Oak Lake	66.09 336 eP	P	14 49 49.8 +1.3
U50A	Jamesstown	66.14 344 P	P	14 49 48.2 -0.6
T53A	Wise	66.17 346 P	P	14 49 48.9 -0.2
CLTN	Cedars of Leba	66.21 343 eP	P	14 49 48.5 -0.7
S57A	Dark Hollow, R	66.26 350 P	P	14 49 50.3 +0.8
WHTX	Lake Whitney,	66.27 332 P	P	14 49 50.1 +0.4
R58B	Mineral	66.29 350 P	P	14 49 50.2 +0.5
V46A	Holladay	66.43 341 P	P	14 49 49.9 -0.8
T51A	Gray	66.46 345 P	P	14 49 50.6 -0.2
U49A	Red Boiling Sp	66.47 343 P	P	14 49 50.3 -0.6
S55A	Lewisburg	66.53 348 P	P	14 49 52.1 +0.8
R58A	Rapidan	66.64 350 P	P	14 49 52.2 +0.2
WVT	Waverly	66.65 342 eP	P	14 49 51.3 -0.7
WVT	Waverly	66.65 342 P	P	14 49 51.7 -0.3
U48A	Cassie Pea, Po	66.66 343 P	P	14 49 51.7 -0.4
S54A	Dingsess, Beckl	66.71 348 P	P	14 49 52.7 +0.2
R57A	Stanardsville	66.72 350 P	P	14 49 53.0 +0.6
U47A	Clarksville	66.80 342 P	P	14 49 52.5 -0.4
TXAR	Lajitas Array	66.91 325 P	P	14 49 54.9 +1.0
TX31	Lajitas Ar. Si	66.91 325 eP	P	14 49 54.5 +0.6
S52A	Salyersville	66.95 346 P	P	14 49 53.5 -0.4
R55A	Marlington	66.96 349 P	P	14 49 55.5 +1.5
T49A	Edmonton	66.97 344 eP	P	14 49 53.3 -0.7
T49A	Edmonton	66.97 344 P	P	14 49 53.4 -0.7
S51A	Beattyville	67.03 346 P	P	14 49 54.8 +0.4
MIAR	Mount Ida	67.03 336 eP	P	14 49 54.8 +0.4
MIAR	Mount Ida	67.03 336 P	P	14 49 54.6 +0.2
W41B	Gary Mavity, V	67.13 338 eP	P	14 49 55.4 +0.3
W41B	Gary Mavity, V	67.13 338 P	P	14 49 55.1 0.0
Q58A	Fox Den Farm,	67.22 351 P	P	14 49 55.9 +0.3
S50A	Richmond	67.25 345 P	P	14 49 55.4 -0.3
WHAR	Woolly Hollow	67.25 338 eP	P	14 49 56.1 +0.3
T47A	Sharon Grove	67.26 343 P	P	14 49 55.4 -0.5
Q57A	Strasburg	67.42 350 P	P	14 49 58.1 +1.2
Q56A	Snyder Ridge,	67.45 350 P	P	14 49 58.6 +1.0
Q55A	Buckhannon	67.65 349 P	P	14 49 59.2 +0.9
R51A	Hillsboro	67.66 346 P	P	14 49 58.2 -0.2
W39A	Magazine	67.69 336 eP	P	14 49 59.3 +0.7
W39A	Magazine	67.69 336 P	P	14 49 59.4 +0.9
P59A	Jarrettsville	67.72 352 P	P	14 49 59.5 +0.8
FCAR	Ozark Folk Cen	67.74 338 eP	P	14 49 58.5 -0.4
ABTX	Ablene, Hawle	67.75 330 P	P	14 49 59.7 +0.6
Q54A	Coxs Mills	67.77 348 P	P	14 49 59.1 +0.1
S47A	Hartford	67.77 343 P	P	14 49 57.8 -1.3
Q53A	Leroy	67.78 348 P	P	14 49 59.0 -0.1
P57A	Homestead Farm	67.80 351 P	P	14 49 59.9 +0.7
R50A	Paris	67.81 345 P	P	14 49 58.9 -0.4
P60A	Greenville	67.82 353 P	P	14 49 58.2 -1.1
P56A	Dayton Farm, R	67.95 350 P	P	14 49 60.0 -0.1
PBMO	Poplar Bluff	68.02 340 eP	P	14 50 00.6 -0.1
P55A	Reedsville	68.11 349 P	P	14 50 01.8 +0.6
WCI	Wyandotte Cave	68.22 344 P	P	14 50 01.2 -0.7
MCWV	Mont Chateau	68.26 349 P	P	14 50 02.8 +0.8
R48A	Northridge Ran	68.28 344 P	P	14 50 02.5 +0.3
O60A	Telford	68.30 353 P	P	14 50 03.0 +0.7
P54A	Burton	68.31 349 P	P	14 50 02.8 +0.4
P53A	Whipple	68.36 348 P	P	14 50 03.0 +0.2
O59A	Robesonia	68.38 352 P	P	14 50 03.7 +0.9
U40A	Yellville	68.41 338 P	P	14 50 02.9 -0.2
O57A	Amberson	68.47 351 P	P	14 50 03.9 +0.5
S44A	Carbondale	68.52 341 P	P	14 50 03.4 -0.3
P52A	Corning	68.64 347 P	P	14 50 04.4 0.0
O56A	Blue Knob Stat	68.65 350 P	P	14 50 05.4 +0.8
P51A	Williamsport	68.68 347 P	P	14 50 04.3 -0.4
O55A	Ligonier	68.71 350 P	P	14 50 05.5 +0.6
HHAR	Hobbs	68.72 337 eP	P	14 50 04.9 -0.1
Q48A	North Vernon	68.75 344 P	P	14 50 04.6 -0.5
R45A	Skylar, Fairri	68.80 342 P	P	14 50 04.5 -0.9
O54A	Avella	68.86 349 P	P	14 50 05.0 -0.7
SSPA	Standing Stone	68.92 351 P	P	14 50 06.7 +0.6
N59A	State Game Lan	68.93 353 P	P	14 50 06.9 +0.7
DBIC	Dimbokro	68.94 70 P	P	14 50 06.1 -0.7

DBIC	Dimbokro	68.94 70 eP	P	14 50 06.1 -0.7
P50A	Jamestown	68.96 346 P	P	14 50 06.3 -0.1
N57A	Milroy	68.99 351 P	P	14 50 06.3 -0.3
O52A	Adamsville	69.06 348 P	P	14 50 06.6 -0.4
TUL1	Leonard	69.06 335 eP	P	14 50 06.9 -0.1
TUL1	Leonard	69.06 335 P	P	14 50 07.0 -0.1
P49A	Miami Univ. Ec	69.09 345 P	P	14 50 06.3 -0.9
P48A	Milroy	69.18 345 P	P	14 50 06.8 -1.0
WMOK	Wichita Mounta	69.20 332 eP	P	14 50 07.9 -0.1
WMOK	Wichita Mounta	69.20 332 P	P	14 50 08.0 -0.1
N55A	Marion Center	69.22 350 P	P	14 50 08.3 +0.3
N55A	Marion Center	69.22 350 P	P	14 50 08.2 +0.3
N56A	West Decatur	69.25 351 P	P	14 50 07.8 -0.4
Q45A	Warren Harvey,	69.33 342 P	P	14 50 07.8 -0.9
ACSO	Alum Creek Sta	69.39 347 P	P	14 50 09.0 -0.1
CCM	Cathedral Cave	69.44 340 eP	P	14 50 08.8 -0.6
CCM	Cathedral Cave	69.44 340 P	P	14 50 09.4 -0.1
M59A	Waymart	69.51 353 P	P	14 50 10.6 +0.9
N54A	Moraine State	69.55 349 eP	P	14 50 10.2 +0.2
N54A	Moraine State	69.55 349 P	P	14 50 10.6 +0.5
MNTX	Cornus Mount	69.68 326 eP	P	14 50 10.8 -0.2
MNTX	Cornudas Moun	69.68 326 P	P	14 50 10.8 -0.2
M56A	Emporium	69.79 351 P	P	14 50 11.8 +0.3
P45A	Graceland, Par	69.82 343 P	P	14 50 10.7 -1.0
M55A	Ridgway	69.86 350 P	P	14 50 12.3 +0.4
O48A	Farmland	69.88 345 P	P	14 50 11.4 -0.6
M54A	Oil Creek Stat	70.03 350 P	P	14 50 13.2 +0.2
O47A	Sheridan	70.10 344 P	P	14 50 12.9 -0.5
HRV	Adam Dzewonsk	70.15 356 P	P	14 50 14.3 +0.7
BINY	Binamnton	70.22 353 P	P	14 50 15.0 +0.9
MSTX	Muleshoe	70.29 329 eP	P	14 50 14.9 +0.1
MSTX	Muleshoe	70.29 329 P	P	14 50 15.0 +0.1
M51A	Elyria	70.30 348 P	P	14 50 14.6 0.0
N49A	Columbus Grove	70.30 346 P	P	14 50 14

7d 17h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Malin Array Si, Kashi, Karatay Array, etc.

NDI 07 14:59:55.3.2.3, 24°73'N-95°17'E, h20km, ML3.5

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

SJA 07 15:00:21.2.0.6, 22°89'S-66°53'W, h245km, 11km, ML3.5, MW4.0

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

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IPOC Station P, Alice Springs, etc.

IDC 07 15:05:32.0.8.0, 30°35'S-178°96'W, h0km, mb3.7/2, mb1.4/0.2, mb1mx3.5/17, mbtmp3.7/2, Error ellipse: s-maj=331.8km s-min=61.1km az=156.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Alice Springs, WRA, FINES, etc.

IDC 07 15:35:29.6.0.9, 13°23'N-144°03'E, h0km, mb3.6/6, mb1.3/9.6, mb1mx3.6/26, mbtmp3.6/6, Error ellipse: s-maj=47.9km s-min=21.5km az=105.0, Mariana Islands

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

MEX 07 15:37:46.2.0.3, 16°03'N-97°09'W, h22km, 5km, HD23.5, Oaxaca

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

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like JORH, MOKO, ZIRO, etc.

TIF 07 16:32:20.4.42.38N-41°00'E, h24km, 2km, ISK 07 16:32:20.7, 42°28'N-40°85'E, h19km, ML2.8/1, DDA 07 16:32:36.3, 41°58'N-41°84'E, h7km, 3km, ML2.5, ISC 07 16:32:20.2, 5.4238N-0°03.4105E, 0.04, h7km, 12km, n21, 0°50/37, Western Caucasus

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

IDC 07 17:26:04.6.7.4, 13°51'S-168°36'E, h0km, mb3.5/2, mb1.3/8.2, mb1mx3.4/23, mbtmp3.5/2, Error ellipse: s-maj=446.8km s-min=39.4km az=141.0, Vanuatu Islands

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

IDC 07 17:57:19.9.2.1, 10°63'N-126°55'E, h0km, mb3.8/5, mb1.3/9.5, mb1mx3.5/46, mbtmp3.8/5, MS2.7/1, Ms1 2.7/1, ms1mx2.1/40, Error ellipse: s-maj=251.5km s-min=21.0km az=67.0

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

IDC 07 17:57:19.8.10.61N-126°86'E, h34km, MS3.8, MAN 07 17:57:19.8.10.61N-126°86'E, h34km, MS3.8, ISCJB 07 17:57:20.1.0.4, 10°60'N-0°04.126°75'E, 0.04, h20km, mb4.1/18, Error ellipse: s-maj=6.9km s-min=6.3km az=151.0

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

NEIC 07 17:57:25.1.2.8, 10°74'N-127°08'E, h47km, 8km, mb4.1/16, Error ellipse: s-maj=15.3km s-min=7.1km az=151.0

ISC 07 17:57:21.7.0.6, 10°60'N-0°04.126°83'E, 0.07, h20km, n35, 0°187/45, mb4.2/18, 1C-2D, Philippine Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WB2 Warramunga Arr, AS31 Alice Springs, FORT Forrest, etc.

IDC 07 18:16:11.1s, 1.8, 5.26N, 127.04E, h0km, mb3.9/5, mb1.4/1.5, mb1m3.6/25, mmp3.9/5, Error ellipse: s-maj=199.6km, s-min=19.8km, az=69.0

MAN 07 18:16:16.8, 4.80N, 126.33E, h33km, MS3.2

NEIC 07 18:16:16.4, 1.3, 5.26N, 127.23E, h40km, 8km, mb4.3/11, Error ellipse: s-maj=20.3km, s-min=1.3km, az=83.0

ISC 07 18:16:17.0, 0.7, 4.87N, 126.5E, 0.1, h35km, n28, a191/34, mb4.1/12, 2C-1D, Talud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DDMP Don Marcelino, GSPH General Santos, MATI Mati, etc.

WEL 07 18:16:48.5, 39'S, 178'E, h55km, 2km, M3.7/27, ML4.1/21, MLV3.7/27, Error ellipse: s-maj=0.0km, s-min=0.0km, az=93.3, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MHGZ Mahia Peninsula, KNZ Kokohu, PRGZ Paritu Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OMRZ Omania, GRRZ Galatos Road, ANWZ Angora Road, etc.

MEX 07 18:26:18.9, 0.0, 16.221N, 98.06W, h16km, 8km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TLIG Tlapa, VHO Vista Hermosa, etc.

BUI 07 18:35:28.5, 0.0, 3.92S, 153.92E, h380km, mb6.9/8, mb6.8/26

ISCUB 07 18:35:29.5, 0.0, 3.94S, 153.89E, h384km, 4km, mb6.2/27, Error ellipse: s-maj=3.2km, s-min=2.6km, az=21.1

MOS 07 18:35:29.8, 0.0, 3.91S, 153.88E, h389km, mb6.6/58, Error ellipse: s-maj=6.4km, s-min=4.9km, az=113.2

NEIC 07 18:35:30.0, 0.0, 4.04S, 153.68E, h380km, Moment Tensor Solution, s54 Moment tensor: Scale 1020Nm

NEIC 07 18:35:30.0, 0.0, 4.04S, 153.68E, h380km, Moment Tensor Solution, s54 Moment tensor: Scale 1020Nm

NEIC 07 18:35:30.0, 0.0, 4.04S, 153.68E, h380km, Moment Tensor Solution, s54 Moment tensor: Scale 1020Nm

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NEIC 07 18:35:30.0, 0.0, 4.04S, 153.68E, h380km, Moment Tensor Solution, s54 Moment tensor: Scale 1020Nm

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR baz=186,slow=10,SNR=1.3, HNR Honiara, PMG Port Moresby, etc.

7d 18h

Table with columns: Station Name, Frequency, Power, and Signal Quality. Includes stations like MNI Manado, MATI Riverview, DDMF Don Marcelino, etc.

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Table with columns: Station Name, Frequency, Power, and Signal Quality. Includes stations like NIUE Niue, SPMN Sapulut, SMPP San Manuel, etc.

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Table with columns: Station Name, Frequency, Power, and Signal Quality. Includes stations like NWAQ Narrogin (SRO), OZH Ganzhou, QZH Tanjungpandan, etc.

CIS	Catalina Islan	90.23	52	P	P	18 47 49.1	-0.4
MLAC	Mammoth, Mamm	90.23	52	P	P	18 47 49.0	-0.7
FMP	Fort Macarthur	90.35	56	P	P	18 47 49.6	-0.4
ISA	Isabella, Lake	90.36	54	P	P	18 47 49.2	-0.9
DECC	Green Verdugo	90.36	56	P	P	18 47 49.7	-0.4
TIN	Tinemaha, Big	90.67	53	P	P	18 47 51.1	-0.5
EDWZ	Edwards Air Fb	90.69	55	P	P	18 47 51.4	-0.2
NVAR	Minia Array	90.72	52	P	P	18 47 51.3	-0.6
NVAR	comp=Z,45nm,1.1s,baz=268,slow=4.2,SNR=1.0					18 49 25.9	+1.7
NVAR	comp=Z,6.9nm,0.9s,baz=143,slow=1.8,SNR=4.5					19 05 11.3	-1.8
NVAR	comp=Z,1.7nm,0.7s,baz=84,slow=3.6,SNR=5.9					19 13 17.2	-1.0
NVAR	comp=Z,0.9nm,0.9s,baz=254,slow=1.8,SNR=3.9					19 24 48.8	
CWC	Cottonwood Cre	90.74	54	P	P	18 47 51.1	-0.9
WVOR	Wild Horse Val	90.78	48	P	P	18 47 51.2	-0.8
BFSO	Mount Baldy Ra	90.92	56	P	P	18 47 52.0	-0.8
LRMC	Laurel Mtn Rad	90.99	55	P	P	18 47 52.5	-0.7
MPMC	Manual Process	91.19	54	P	P	18 47 53.6	-0.5
MURC	Murieta	91.26	57	P	P	18 47 53.5	-0.8
109C	Camp Elliot, M	91.29	57	P	P	18 47 54.3	-0.1
GRAC	Grapevine Rang	91.35	53	P	P	18 47 54.1	-0.5
RRX	Edison Barstow	91.51	55	P	P	18 47 54.8	-0.5
BBRC	Big Bear Solar	91.53	56	P	P	18 47 54.8	-1.0
GSC	Goldstone, Bar	91.69	55	P	P	18 47 55.9	-0.4
FURC	Furnace Creek,	91.72	54	P	P	18 47 55.8	-0.4
MONP	2 Monument Peak	91.86	57	P	P	18 47 56.8	-0.5
PFO	Pinyon Flats O	91.87	57	eP	P	18 47 56.0	-1.2
PFO	comp=Z,456nm,1.1s					18 47 56.0	-1.2
PFO	comp=Z,456nm,1.1s					18 47 57.1	-0.1
HEC	Hector, Ludlow	92.05	55	P	P	18 47 57.1	-0.9
IKP	In-Ko-Pah, Jac	92.11	58	P	P	18 47 58.2	-0.1
SHOC	Shoshone, Teco	92.16	54	P	P	18 47 57.7	-0.7
TPNV	Topopah Spring	92.24	53	P	P	18 47 58.2	-0.7
NEW	Newport	92.26	42	P	P	18 47 57.2	-1.3
NEW	comp=Z,640nm,1.1s					18 47 57.3	-1.3
BELC	Belle Mtn, Jos	92.28	56	P	P	18 47 58.7	-0.4
SWSC	Sam W. Stewart	92.39	57	P	P	18 47 59.4	0.0
TUQC	Turquoise Moun	92.42	55	P	P	18 47 59.0	-0.7
GMRC	Giant Mountain	92.60	55	P	P	18 48 00.1	-0.5
BC3	Big Chuckawall	92.71	57	P	P	18 48 00.8	-0.3
R11A	Troy Canyon, C	92.84	52	P	P	18 48 00.8	-0.8
IRM	Iron Mountain	93.00	56	P	P	18 48 02.0	-0.3
GLA	Glamis	93.21	57	P	P	18 48 03.5	+0.3
NEE2	Needles Airpor	93.46	56	P	P	18 48 04.1	-0.2
Y12C	Blythe	93.49	57	P	P	18 48 04.2	-0.3
PDMCI	Parker Dam, Lak	93.83	56	P	P	18 48 05.5	-0.5
HLID	Hailey	93.94	47	P	P	18 48 07.5	-0.9
YKA	Yellowknife Ar	94.21	28	P	P	18 48 06.0	-1.1
YKA	comp=Z,261nm,0.8s,baz=270,slow=4.7,SNR=330					18 49 35.7	-0.6
YKA	comp=Z,5.3nm,0.8s,baz=268,slow=4.5,SNR=6.1					18 58 10.2	+6.4
YKA	comp=Z,2.4nm,0.6s,baz=114,slow=3.2,SNR=4.4					19 13 10.5	-10
YKA	comp=Z,3.4nm,0.9s,baz=80,slow=2.0,SNR=6.0					18 48 06.0	-1.1
MSO	Missoula	94.36	43	P	P	18 48 08.2	-0.1
214A	Organ Pipe Nat	94.47	58	P	P	18 48 11.2	+0.3
DUG	Dugway, Tooele	95.06	50	P	P	18 48 11.1	-0.6
DUG	comp=Z,98nm,1.7s					18 48 10.3	-1.3
HVU	Hance Valley	95.11	49	ePP	PP	18 52 03.9	-3.7
SVE	Sverdlorsk	95.14	3271	ePP	PPP	18 58 06.3	-2.7
SVE	comp=Z,19nm,0.4s,baz=156,slow=6.6,SNR=16					18 58 53.5	
SVE	comp=Z,19nm,0.4s,baz=156,slow=6.6,SNR=16					19 05 42.2	+1.4
AB31	Akbulak array	95.62	319	iP	P	18 48 10.6	-3.2
JLN	Jalan Bani Buh	95.68	292	P	P	18 48 13.5	-1.2
BOZ	Bozeman (W)	95.96	45	P	P	18 48 14.1	-1.5
WBK	Wadi Bani Khal	96.10	292	P	P	18 48 15.3	-1.3
WUAZ	Wupatki	96.14	55	P	P	18 48 16.5	-0.2
ARU	Arti	96.29	326	P	P	18 48 13.8	-2.9
ARU	comp=Z,7.6nm,0.6s,baz=88,slow=1.8,SNR=30					18 49 45.2	-0.5
ARU	comp=Z,1.2nm,0.7s,baz=158,slow=20,SNR=1.4					18 58 18.4	+3.4
ARU	comp=Z,5.9nm,0.8s,baz=247,slow=2.5,SNR=6.7					19 05 00.3	-3.1
ARU	comp=Z,3.5nm,0.8s,baz=29,slow=4.5,SNR=3.5					18 48 13.3	-3.4
ARU	comp=Z,1.9nm,0.8s					18 48 13.6	-3.1
ARU	Arti	96.29	326	iP	P	18 48 13.6	-3.1
WSAR	Wadi Sarin	96.43	293	P	P	18 48 16.2	-1.8
WSAR	comp=Z,1.9nm,0.7s,baz=156,slow=6.6,SNR=16					18 49 49.6	-0.6
WSAR	comp=Z,1.8nm,0.9s,baz=63,slow=7.6,SNR=1.0					18 58 22.4	+5.2
WSAR	comp=Z,3.4nm,0.6s,baz=350,slow=18,SNR=4.0					19 04 57.8	-3.9
WSAR	comp=Z,5.8nm,0.5s,baz=258,slow=4.5,SNR=7.0					18 48 16.7	-1.4
TUC	Tucson	96.59	58	eP	P	18 48 19.6	+0.9
TUC	comp=Z,486nm,2.0s					18 48 19.6	+0.9
TUC	comp=Z,486nm,2.0s					18 48 19.2	+0.5

H17A	Grant Village	96.72	46	P	P	18 48 18.9	-0.3
ASHT	Ashkhabad	96.82	308	P	P	18 48 18.9	-0.6
AKTO	Aktuybinsk	96.84	320	P	P	18 48 16.4	-2.9
AKTO	comp=Z,2.2nm,0.7s,baz=112,slow=6.1,SNR=1.2					18 49 51.4	-0.4
AKTO	comp=Z,10.0nm,0.9s,baz=98,slow=15,SNR=2.3					18 58 20.3	+2.1
AKTO	comp=Z,5.4nm,1.0s,baz=300,slow=3.3,SNR=6.7					19 05 01.8	+0.1
AKTO	comp=Z,6.4nm,0.9s,baz=181,slow=1.5,SNR=7.7					19 13 16.7	+1.4
LPIG	La Paz	96.88	66	pP	P	18 49 53.2	+3.7
BIDO	Bidbid	96.90	293	P	P	18 48 21.0	+0.8
SMDO	Samad	96.96	293	P	P	18 48 20.8	+0.2
MHTO	MHTO	96.98	291	P	P	18 48 19.0	-1.6
GEYT	Alibek	97.03	308	P	P	18 48 19.8	-0.8
GEYT	comp=Z,2.7nm,0.9s,baz=88,slow=10,SNR=1.7					18 49 50.6	+0.7
GEYT	comp=Z,2.7nm,0.9s,baz=161,slow=11,SNR=3.3					18 52 15.8	-6.4
GEYT	comp=Z,16nm,0.7s,baz=284,slow=3.2,SNR=5.6					19 05 04.6	+2.9
GEYT	comp=Z,2.4nm,0.9s,baz=254,slow=5.4,SNR=3.6					19 13 14.3	-0.7
EGMT	Eagleton	97.19	42	P	P	18 48 19.8	-1.3
W18A	Petrified Fore	97.47	55	P	P	18 48 22.7	-0.1
BW06	Boulder Array	97.49	48	P	P	18 48 21.0	-1.7
PDAR	Pinedale Array	97.49	48	P	P	18 48 20.8	-2.0
PDAR	comp=Z,16nm,0.9s,baz=254,slow=2.6,SNR=8.1					18 49 55.4	+0.3
PDAR	comp=Z,5.2nm,0.8s,baz=251,slow=2.8,SNR=0.7					19 04 53.1	-6.8
PDAR	comp=Z,4.4nm,0.8s,baz=108,slow=4.2,SNR=5.0					19 13 05.3	-9.0
RLMT	Red Lodge	97.63	45	P	P	18 48 21.9	-1.3
HOQ	Hogam	97.65	293	P	P	18 48 24.0	+0.5
HOQ	comp=Z,2.7nm,0.9s,baz=161,slow=11,SNR=3.3					18 48 28.4	+4.4
MSEY	Mahe Island	98.07	265	P	P	18 48 24.7	-1.0
MSEY	Mahe Island	98.07	265	P	P	18 48 29.6	+3.9
ARQ	Araqi	98.37	293	P	P	18 48 30.3	+6.2
MVCO	Mesa Verde	98.44	53	P	P	18 48 25.9	-1.2
O20A	White River Ci	98.56	50	P	P	18 48 26.0	-1.5
MDH	Madha	98.59	295	P	P	18 48 25.2	-2.5
MDH	Madha	98.59	295	P	P	18 48 27.5	-0.2
UOSS	Minazif	98.68	294	iP	P	18 48 26.1	-2.1
UOSS	Minazif	98.68	294	iP	P	18 48 26.3	-1.8
MSFE	Esma-Masafi	98.72	295	iP	P	18 48 26.6	-1.8
SHME	Shamm	98.74	296	iP	P	18 48 26.4	-2.0
HATD	Hatta, Dubai	98.74	294	iP	P	18 48 27.1	-1.3
HATD	Hatta, Dubai	98.74	294	iP	P	18 48 27.0	-1.4
ASHO	Ashiyah	98.81	294	iP	P	18 48 26.9	-1.8
ASHO	Ashiyah	98.81	294	iP	P	18 48 27.8	-0.9
ALNE	Al Ain	98.89	294	iP	P	18 48 28.6	-1.3
121A	Cookes Peak, D	99.13	58	P	P	18 48 28.3	-1.9
NAZ	Nazwa, Dubai	99.17	295	iP	P	18 48 28.4	-1.8
NAZ	Nazwa, Dubai	99.17	295	iP	P	18 48 29.4	-0.9
UMQ	Umm Al-Quwain	99.27	295	P	P	18 48 29.2	-1.0
FAQ	Al Faqa, Dubai	99.23	294	iP	P	18 48 28.8	-1.8
FAQ	Al Faqa, Dubai	99.23	294	iP	P	18 48 29.6	-1.0
RES	Resolute Bay	99.37	15	P	P	18 50 00.5	+1.0
RES	comp=Z,2.4nm,0.9s,baz=266,slow=4.2,SNR=1.6					18 58 34.7	+4.8
RES	comp=Z,9.0nm,1.0s,baz=60,slow=20,SNR=4.6					19 04 49.7	-5.8
ASUD	Al Ashush, Dub	99.47	294	iP	P	18 48 31.0	-0.7
ASUD	Al Ashush, Dub	99.47	294	iP	P	18 48 30.1	-1.5
LAO	LASA Array	99.67	43	P	P	18 48 31.2	-0.9
K22A	Casper	99.73	48	P	P	18 48 30.9	-1.7
S22A	4UR Ranch, Cre	99.75	53	P	P	18 48 32.3	-0.7
AJN	Ajban	99.78	294	iP	P	18 48 31.9	-1.1
AJN	Ajban	99.78	294	iP	P	18 48 32.0	-1.0
Y22D	IRIS PASCAL I	99.81	56	P	P	18 48 32.7	-0.4
TASM	ASL Pad, Albuq	100.17	55	P	P	18 48 34.4	-0.4
TASM	ASL Pad, Albuq	100.17	55	P	P	18 48 34.4	-0.4
ANMO	Albuquerque	100.17	55	eP	P	18 48 34.1	-0.7
ANMO	comp=Z,48nm,1.0s					18 48 34.3	-0.5
ANMO	Albuquerque	100.17	55	P	P	18 48 34.1	-1.1
N23A	Red Feather La	100.27	49	P	P	18 48 36.2	-0.5
ISCO	Idaho Springs	100.59	50	P	P	18 48 35.8	-0.9
ISCO	Idaho Springs	100.59	50	P	P	18 48 37.3	-0.4
SDCO	Great Sand Dun	100.80	52	P	P	18 48 36.1	-1.2
DGMT	Dagmar	100.87	42	P	P	18 58 38.1	0.0
KIRV	Kirov	100.96	329	S	SKS	18 58 38.1	0.0
KIRV	comp=Z,8.9nm,0.7s,baz=210,slow=20,SNR=4.8					19 04 46.5	-3.9
KIRV	comp=Z,1.9nm,0.7s,baz=220,slow=4.7,SNR=4.3					19 13 00.5	
Q24A	Divide	101.01	51	P	P	18 48 36.6	-1.9
MXNT	Cornudas Mount	101.19	59	P	P	18 48 38.7	-0.4
FFC	Flin Flon	101.39	35	iP	P	18 48 39.2	-0.3
RSSD	Black Hills	101.42	46	eP	P	18 48 38.9	-1.3
RSSD	Black Hills	101.42	46	eP	P	18 48 38.9	-1.3
RSSD	Black Hills	101.42	46	eP	P	18 48 38.6	-1.6
T25A	Trinidad	101.71	53	P	P	18 48 39.9	-1.7
PRGR	Pergomero	102.16	332	iP	P	18 48 39.8	-2.9
PRGR	comp=Z,1.96nm,0.8s					18 58 40.4	-3.3
SPITS	Spitsbergen Ar	102.70	352	P	P	18 48 46.1	+1.3
SPITS	comp=Z,1.3nm,0.7s,baz=148,slow=6.9,SNR=6.8					19 04 43.2	-2.8
TXAR	Lajitas Array	102.77	61	eP	P	18 48 46.7	+0.4
TXAR	comp=Z,1.4nm,0.7s,baz=296,slow=6.8,SNR=5.9					18 53 07.0</	

J49A	Marlette	116.30	43	P	PKPdf	18 53 27.6	-2.2
J49A	Milan	116.31	45	P	PKPdf	18 53 27.9	-1.9
149A	Point Hope	116.32	42	P	PKPdf	18 53 28.0	-1.7
AAM	Ann Arbor	116.32	44	P	PKPdf	18 53 28.2	-1.6
KIS	Kishinev	116.32	321	eP	Pdf	18 49 46.0	0.0
KIS	Kishinev	116.32	321	ePP	PKPdf	18 51 16.0	+0.5
KIS	Kishinev	116.32	321	ePKP	PKPdf	18 53 28.0	-1.7
KIS	Kishinev	116.32	321	ePP	PKPdf	18 54 30.0	-1.2
KIS	Kishinev	116.32	321	iPKP	PP	18 54 43.0	+1.2
KIS	Kishinev	116.32	321	iPS	PS	19 03 57.0	-3.3
KIS	Kishinev	116.32	321	iSS	SS	19 10 23.0	+8.2
KIS	Kishinev	116.32	321	iSSS	SSS	19 12 40.0	
KIS	Kishinev	116.32	321	iLRM	MLR	19 47 36.0	
KIS	Kishinev	116.32	321	eP	Pdf	18 49 46.0	0.0
KIS	Kishinev	116.32	321	e		18 53 28.0	
KIS	Kishinev	116.32	321	e		18 54 43.0	
KIS	Kishinev	116.32	321	e		18 59 39.0	
KIS	Kishinev	116.32	321	iSS	SS	19 10 23.0	+8.2
HFS	Hagfors	116.36	339	Pdf	Pdf	18 49 44.0	-1.9
HFS	Hagfors	116.36	339	P	PKP	18 53 27.5	-1.9
HFS	Hagfors	116.36	339	P	PKP	19 04 01.4	-0.6
MILM	Milestii Mici	116.36	321	iP	PKPdf	18 53 28.3	-1.4
MILM	Milestii Mici	116.36	321	iP	PKKPab	19 04 05.6	0.0
EREN	Erenkov	116.36	308	eP	PKKP	18 53 35.6	+5.5
M49A	Liberty Center	116.37	45	P	PKPdf	18 53 28.4	-1.5
N49A	Columbus Grove	116.41	46	P	PKPdf	18 53 28.8	-1.2
L9AL	Lakeview Retire	116.42	56	P	PKPdf	18 53 28.8	-1.5
P49A	Miami Univ. Ec	116.46	48	P	PKPdf	18 53 28.7	-1.5
DOMB	Dombras	116.47	342	ePKPdf	PKPdf	18 53 28.5	-1.1
DOMB	Dombras	116.47	342	ePP	PP	18 54 43.9	+1.5
DOMB	Dombras	116.47	342	eSS	SS	19 03 45.3	+0.9
DOMB	Dombras	116.47	342	eSS	SS	19 10 22.1	+6.3
DOMB	Dombras	116.47	342	eIVMs_BB	IVMs_BB	19 29 04.4	
KEBE	Keben-Mersin	116.48	309	eP	PKPdf	18 53 30.0	-0.4
Q49A	Aurora	116.48	48	P	PKPdf	18 53 28.6	-1.6
R49A	Shelbyville	116.49	49	P	PKPdf	18 53 28.5	-1.8
CHBY	Chitanevii	116.51	311	eP	PKPdf	18 53 28.3	-2.2
MOL	Molde	116.51	343	ePKPdf	PKPdf	18 53 28.8	-0.7
MOL	Molde	116.51	343	ePP	PP	18 54 42.4	0.0
MOL	Molde	116.51	343	ePS	PKKPdf	19 04 30.5	+4.6
W49A	Belvidere	116.51	53	P	PKPdf	18 53 28.3	-2.1
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 53 34.5	+3.1
KMBO	Kilima Mbogo	116.51	267	iP	Pdf	18 49 48.4	+0.5
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 53 30.7	-0.6
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 54 45.6	+0.8
KMBO	Kilima Mbogo	116.51	267	iP	PKP	19 04 07.2	+1.4
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 53 30.3	-1.0
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 53 30.8	-0.5
KMBO	Kilima Mbogo	116.51	267	iP	PKP	18 53 34.5	+3.1
U49A	Red Boiling Sp	116.52	51	P	PKPdf	18 53 28.5	-1.9
O49A	Covington	116.53	47	P	PKPdf	18 53 28.8	-1.5
249A	Springfield	116.55	50	P	PKPdf	18 53 28.5	-1.9
S49A	Camden	116.55	56	P	PKPdf	18 53 29.3	-1.3
NB2	NORSAR Subarrat	116.55	341	P	Pdf	18 49 48.6	+1.8
NB2	NORSAR Subarrat	116.55	341	P	PKP	18 53 28.1	-1.7
NB2	NORSAR Subarrat	116.55	341	P	PKP	18 53 28.1	-1.7
NOA	NORSAR Array B	116.55	341	Pdf	Pdf	18 49 49.2	+2.3
NOA	NORSAR Array B	116.55	341	P	PKP	18 53 28.4	-1.4
NOA	NORSAR Array B	116.55	341	P	PKP	18 54 44.6	+1.7
NOA	NORSAR Array B	116.55	341	P	PKP	19 04 03.6	-1.2
NOA	NORSAR Array B	116.55	341	P	PKP	19 07 15.8	
T49A	Edmonton	116.59	50	P	PKPdf	18 53 28.8	-1.7
IKL	Iskik	116.56	309	eP	PKPdf	18 53 28.5	-2.0
PHNC	Paralimni	116.61	307	P	PKP	18 53 31.6	+1.0
X49A	Woodville	116.61	53	P	PKPdf	18 53 28.5	-2.1
V49A	McMinnville	116.63	52	P	PKPdf	18 53 28.3	-2.4
349A	Repton	116.63	57	P	PKPdf	18 53 29.1	-1.6
TOBO	Tobermory, Bru	116.68	41	P	PKPdf	18 53 28.9	-1.5
AKKU	Akkuyu-Mersin	116.69	309	eP	PKPdf	18 53 29.7	-1.0
149A	Jones	116.69	309	eP	PKPdf	18 53 29.2	-1.6
TEVE	Tevekalit-Mers	116.69	309	eP	PKPdf	18 53 29.2	-1.6
AMAZ	Amatzia	116.70	303	P	PKP	18 53 31.6	+0.7
AMAZ	Amatzia	116.70	303	P	PKP	18 53 33.9	+3.0
AMAZ	Amatzia	116.70	303	P	PKP	18 53 33.9	+3.0
E50A	Wahnapitae	116.70	39	P	PKPdf	18 53 29.0	-1.4
Y49A	Blount Mountai	116.70	54	P	PKPdf	18 53 29.1	-1.8
449A	Pace	116.73	58	P	PKPdf	18 53 29.2	-1.7
Z49A	Columbiana	116.76	55	P	PKPdf	18 53 29.6	-1.4
BRAL	Brewton	116.79	57	P	PKPdf	18 53 29.3	-1.8
K50A	Casco	116.87	44	P	PKPdf	18 53 29.1	-1.7
BERE	Bereket-Mersin	116.89	309	eP	PKPdf	18 53 29.9	-1.4
HRFI	Mount Harif	116.91	302	P	PKP	18 53 30.8	-0.6
HRFI	Mount Harif	116.91	302	P	PKP	18 53 30.8	-0.6
AQJB	Aqaba	116.96	301	P	PKP	18 53 31.1	-0.3
AQJB	Aqaba	116.96	301	P	PKP	18 53 31.1	-0.3
L50A	Kingsville	117.00	44	P	PKPdf	18 53 29.3	-1.8
LADK	Ladik-KONYA	117.01	311	eP	PKP	18 53 29.7	-1.8
IAS	IAS	117.02	322	iP	PKP	18 53 36.9	+5.9
IAS	IAS	117.02	322	iP	PKKPab	19 04 04.8	+2.1
IAS	IAS	117.02	322	iP	PKP	18 53 36.9	+5.9
TEKE	Tekeki-Mersin	117.03	303	eP	PKP	18 53 29.2	-2.2
ERMK	Ermek	117.05	309	eP	PKP	18 53 31.3	-0.4
ERMK	Ermek	117.05	309	eP	IAML_P		
EIL	Eilat	117.06	301	P	PKP	18 53 31.0	-0.7
EIL	Eilat	117.06	301	P	PKP	18 54 44.4	-3.3
EIL	Eilat	117.06	301	P	PKP	19 04 00.9	-1.8
BASO	Ashfield	117.06	42	P	PKP	18 53 29.6	-1.6
M50A	Fremont	117.06	45	P	PKP	18 53 29.7	-1.6
TLCR	TLCR	117.06	319	iP	PKP	18 53 30.2	-0.9
TLCR	TLCR	117.06	319	iP	PKKP	19 03 58.5	-0.5
TLCR	TLCR	117.06	319	iP	PKP	18 53 30.2	-0.9
O50A	Cable	117.06	47	P	PKP	18 53 29.6	-1.7
MATG	Matagami	117.07	35	P	PKP	18 53 29.6	-1.4
KDHN	Kadinhani	117.10	312	iP	PKP	18 53 31.3	-0.3
KDHN	Kadinhani	117.10	312	iP	IAML_P		
P50A	Jamesstown	117.11	47	P	PKP	18 53 29.4	-2.0
T50A	Nancy	117.11	50	P	PKP	18 53 29.5	-2.1

BRCO	Bruce Peninsula	117.11	42	P	PKP	18 53 29.6	-1.7
BMRO	Meriville Lake	117.13	41	P	PKP	18 53 29.7	-1.6
R50A	Parish	117.13	49	P	PKP	18 53 29.7	-1.9
MDOB	Mudurnu	117.16	314	eP	PKP	18 53 30.6	-1.1
X50B	Fort Payne	117.17	53	P	PKP	18 53 29.8	-2.0
KIZT	Kizilirmak	117.17	312	eP	PKP	18 53 28.9	-2.8
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.1	-1.6
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.1	-1.6
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.4	-1.3
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.7	-1.0
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.7	-1.0
CSS	Mathiatis	117.17	307	P	PKP	18 53 30.3	-1.2
Q50A	Georgetown	117.19	46	P	PKP	18 53 29.8	-1.8
PLIO	Pelee Island	117.23	45	P	PKP	18 53 29.5	-2.0
KLNR	Kalinigrad	117.24	332	iP	PKP	18 53 30.6	-0.6
Y50A	Piedmont	117.24	54	P	PKP	18 53 29.5	-2.3
W50A	Richmond Mountai	117.24	52	P	PKP	18 53 30.1	-1.8
Z50A	Ashland	117.24	55	P	PKP	18 53 30.1	-1.8
S50A	Richmond Mountai	117.25	49	P	PKP	18 53 30.1	-1.7
450A	Crestview	117.25	57	P	PKP	18 53 29.9	-2.1
250A	Grady	117.26	56	P	PKP	18 53 30.8	-1.2
KZIT	Kziot	117.27	303	P	PKP	18 53 31.7	-0.3
KZIT	Kziot	117.27	303	P	PKP	18 53 31.4	-0.6
KZIT	Kziot	117.27	303	P	PKP	18 53 31.4	-0.6
U50A	Jamestown	117.28	51	P	PKP	18 53 30.0	-1.9
V50A	Pikeville	117.28	52	P	PKP	18 53 30.2	-1.7
150A	Eclectic	117.32	55	P	PKP	18 53 30.4	-1.7
350A	Dozier	117.33	57	P	PKP	18 53 30.1	-2.0
GIUM	Giurgulesti	117.33	320	iP	PKP	18 53 40.2	+8.5
GIUM	Giurgulesti	117.33	320	iP	PKKPab	19 04 03.1	+1.7
BWLO	Walkerton	117.37	42	P	PKP	18 53 30.3	-1.5
BIR	Birland	117.37	321	iP	PKP	18 53 34.6	+2.8
BIR	Birland	117.37	321	iP	PKKPab	19 04 01.9	+0.7
BIR	Birland	117.37	321	iP	PKP	18 53 34.6	+2.8
F51A	Arnstein	117.42	39	P	PKP	18 53 29.8	-2.0
E51A	G1948 Merrick	117.43	39	P	PKP	18 53 30.1	-1.8
TEIG	Tepeh	117.44	69	ePKP	PKP	18 53 32.1	-0.5
LEFB	Kilbarr Provi	117.47	40	P	PKP	18 53 30.3	-1.7
LEF	Lefka	117.48	308	eP	PKP	18 53 30.6	-1.7
LEF	Lefka	117.48	308	eP	PKP	18 53 30.8	-1.5
LEF	Lefka	117.48	308	eP	PKP	18 53 33.5	+1.2
ACSO	Alum Creek Sta	117.50	46	P	PKP	18 53 30.6	-1.6
CFR	Carcalui	117.50	320	iP	Pdf	18 49 56.3	+5.0
CFR	Carcalui	117.50	320	iP	PKP	18 53 31.1	-0.9
CFR	Carcalui	117.50	320	iP	PKKPab	19 04 01.7	+1.1
CFR	Carcalui	117.50	320	iP	PKP	18 53 31.1	-0.9
I51A	Listowel	117.56	42	P	PKP	18 53 30.5	-1.7
SZAC	Szac	117.58	307	P	PKP	18 53 31.4	-1.2
TIRR	Tirgusor	117.61	319	iP	Pdf	18 49 56.9	+5.1
TIRR	Tirgusor	117.61	319	iP	PKP	18 53 31.6	-0.6
TIRR	Tirgusor	117.61	319	iP	PKKPab	19 04 01.4	+1.3
TIRR	Tirgusor	117.61	319	iP	PKP	18 53 31.6	-0.6
TIFR	Cifteleer, Eski	117.62	313	eP	PKP	18 53 30.7	-1.8
TIFR	Cifteleer, Eski	117.62	313	eP	PKP	18 53 33.5	+1.0
CIFT	Cift	117.62	318	iP	PKP	18 53 38.6	+6.3
EFOR	Eforie	117.62	318	iP	PKP	18 53 30.4	-2.2
GAZI	Gaszipa	117.62	309	iP	IAML_P		
GAZI	Gaszipa	117.62	309	iP	IAML_P		
Q51A	Peebles	117.63	48	P	PKP	18 53 30.	

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like Bowman, Sigr, VYHS, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like CSKK, KRUC, Pansa Ves, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like S60A, DRKO, NPS, etc.

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7d 18h

SIV	comp-Z,2.20nm,0.9s,baz=231,slow=5.2,SNR=7.5	PP	PP	18 57 23.3 +6.2
SIV	comp-Z,24nm,1.0s,baz=102,slow=6.1,SNR=5.8	SKKPbc	SKKPbc	19 05 47.8 +1.6
MTE	Manteigas	140.11 338	ePKP	18 54 13.1 -1.9
MTE	Manteigas	140.11 338	ePP	18 57 22.5 +6.6
MTE	Manteigas	140.11 338	eSS	18 51 23.0 +1.7
PCBR	Castelo Branco	140.56 337	ePKPpdf	18 54 14.1 -1.7
PCBR	Castelo Branco	140.56 337	ePP	18 57 20.2 +1.6
COI	Coimbra	140.60 339	ePKPpdf	18 54 14.9 -0.9
PMRV	Marv??o	140.89 337	ePKPpdf	18 54 14.2 -2.2
PMRV	Marv??o	140.89 337	ePP	18 57 23.9 +3.3
PTOM	Tomar	141.11 338	ePKPpdf	18 54 16.6 -0.2
PTOM	Tomar	141.11 338	ePP	18 57 23.3 +1.7
SABA	Saba	141.17 67	ePP	18 54 15.5 -2.0
SMRT	St. Maarten	141.20 67	ePKPpdf	18 54 17.0 -0.5
PCRV	Puerto La Cruz	141.27 79	ePKP	18 54 09.4
PCRV	comp-Z,27nm,0.6s,baz=24,slow=3.7,SNR=25	KPK	KPK	18 54 16.1 -1.6
SEUS	St. Eustatius	141.44 67	ePP	18 54 15.8 -2.1
PMTG	Montargil	141.52 337	ePKPpdf	18 54 14.9 -2.6
PMTG	Montargil	141.52 337	ePP	18 57 24.2 -0.2
ALMR	Almeirim	141.58 338	ePKPpdf	18 54 16.0 -1.6
ALMR	Almeirim	141.58 338	ePKPpdf	18 54 16.0 -1.6
ALMR	Almeirim	141.58 338	ePP	18 57 24.3 -0.2
BSK	Brimstone Hill	141.78 67	ePP	18 54 17.1 -1.4
SKI	Saint Kitts	141.71 67	ePP	18 54 17.1 -1.4
EMAL	Malaga-Limoner	141.82 331	PKP	18 54 11.5 -6.5
EMAL	Malaga-Limoner	141.82 331	PKP	18 57 30.7 +4.3
NVRH	Round Hill, Ne	141.88 67	ePP	18 54 10.0 -8.7
NVGH	Bath Hotel, Ne	141.92 67	ePP	18 54 13.5 -5.3
NEJ	Hard Times	141.92 67	ePP	18 54 19.1 +0.7
PMAFR	Mafrá	142.02 339	ePKPpdf	18 54 14.1 -4.8
LJJA	Lijár	142.16 333	PKP	18 54 17.0 -1.7
LIS	Lisbon	142.18 338	ePKPpdf	18 54 19.0 +3.3
LIS	Lisbon	142.18 338	ePKPpdf	18 54 19.0 +3.3
MELI	Mellilla	142.22 328	PKP	18 57 32.1 +3.2
MELI	Mellilla	142.22 328	PKP	18 54 19.4 +0.5
PBEJ	Beja	142.28 336	ePKPpdf	18 57 29.1 +0.1
PBEJ	Beja	142.28 336	ePP	18 54 14.6 -5.1
MLYT	Lee's Yard	142.28 68	ePP	18 54 17.9 +0.2
REAL	Realejo	142.32 332	PKP	18 54 18.6 -0.6
PNCL	Nicolau / Gran	142.47 337	ePKPpdf	18 57 27.3 -2.8
PNCL	Nicolau / Gran	142.47 337	ePP	18 54 15.6 -3.7
GIBL	Gibalbin	142.48 333	PKP	18 54 22.2 -0.8
ANWB	Willy Bob	142.49 66	ePP	18 54 16.2 -3.3
ALJ	Aljibe	142.58 332	PKP	18 54 17.9 +0.3
REAL	Messejana	142.58 336	ePKPpdf	18 54 16.5 -2.9
MESJ	Messejana	142.58 336	ePKPpdf	18 57 28.4 -2.4
MESJ	Messejana	142.58 336	ePP	18 54 23.3 0.0
BPA	Boggy Peak	142.60 67	ePP	18 57 32.8 +1.4
PCVE	Castro Verde	142.69 336	ePKPpdf	18 54 19.2 -0.1
PCVE	Castro Verde	142.69 336	ePP	18 54 18.8 -1.4
MOMI	Momias	142.78 332	PKP	18 54 18.9 +1.1
SFS	San Fernando	142.89 333	PKP	18 54 17.2 -1.1
SFS	San Fernando	142.89 333	PKP	18 54 17.2 -1.1
CNIL	Conil	142.90 333	PKP	18 54 19.8 +0.8
CEUa	Ceuta	142.96 332	PKP	18 54 18.3 -1.0
CEUa	Ceuta	142.96 332	PKP	18 54 18.3 -1.0
PBVD	Barranco-do-Ve	142.98 330	ePKPpdf	18 54 19.6 -0.1
PBVD	Peaen de	143.02 330	PKP	18 54 18.3 -1.0
PVLZ	Peaen de	143.02 330	PKP	18 54 19.5 +0.1
PTEO	Sao Teotónio	143.04 337	ePKPpdf	18 54 19.8 -0.2
PTEO	Sao Teotónio	143.04 337	ePP	18 54 20.9 +0.8
MORR	Marmarisset	143.22 337	ePKPpdf	18 54 23.1 +0.3
MORF	Marmelete	143.22 337	ePKPpdf	18 54 21.4 -0.6
MORF	Marmelete	143.22 337	ePP	18 54 20.3 -1.6
MDPO	Dominica; Chan	143.36 69	ePP	18 54 22.5 -0.4
MDPO	Dominica; Chan	143.36 69	ePKP	18 54 22.2 0.4
TDRA	Tendras	143.41 325	ePP	18 54 21.4 -0.6
PFVI	Vila Bistrô	143.44 337	ePKPpdf	18 54 23.3 -1.6
PFVI	Vila Bistrô	143.44 337	ePP	18 54 22.5 -0.4
MDN	Morne-Daniel	143.48 70	ePP	18 54 21.4 -0.6
DWS	Wesley	143.50 69	ePP	18 54 23.0 +0.2
DBMT	Pointe Michel	143.51 70	ePP	18 54 23.0 +0.2
PBCT	Bele View Cho	143.54 70	ePP	18 54 23.0 +0.2
LDPL	La Plaine	143.72 73	ePP	18 54 20.9 +0.8
DFD	Fort de France	143.85 70	ePKPpdf	18 54 23.1 +0.3
DFD	Fort de France	143.85 70	ePP	18 54 21.4 -0.6
DFD	Fort de France	143.85 70	ePKP	18 54 23.0 +0.2
GRGR	Grenville	143.90 75	ePP	18 54 23.0 +0.2
SVB	Belmont	144.07 73	ePP	18 54 23.0 +0.2
FCV	Fort Charlotte	144.12 73	ePP	18 54 20.9 +0.8
SSV	Crater Summit	144.12 73	ePP	18 54 23.1 +0.3
SLDE	Delcer	144.14 72	ePP	18 54 23.1 +0.3
SLB	Belford	144.16 72	ePP	18 54 21.4 -0.6
SLBI	Saint Lucia, B	144.18 72	ePP	18 54 23.0 +0.2
TAMI	Tamanrasset	144.19 304	ePKPbc	18 54 22.5 -0.4
TAM	Tamanrasset	144.19 304	ePKP	18 54 22.2 0.4
H07N1	FLORES T-PHAB5	44.19 7	ePKP	18 54 21.4 -0.6
H07N1	FLORES T-PHAB5	44.19 7	ePKP	18 55 53.3 -1.2
SLW	Petit Monier	144.21 72	ePP	18 54 22.7 -0.2
SLPA	Patience	144.26 72	ePP	18 54 23.3 +0.2
MCLT	Moutie a Chique	144.27 73	ePP	18 54 20.1 -2.0
TPP	Pointe-a-Pierre	144.37 76	ePP	18 54 20.7 0.0
TRN	Trinidad (W)	144.37 77	ePP	18 54 20.4 -2.2
H07S1	FLORES T-PHAB5	44.49 7	ePKP	18 54 22.3 -0.1
H07S1	FLORES T-PHAB5	44.49 7	ePKP	18 55 56.5 +0.5
TBH	Brigand Hill	144.72 78	ePP	18 54 24.6 +0.6
IFR	Ifrane	144.74 328	PKP	18 54 25.9 +0.1
IFR	Ifrane	144.74 328	PKP	18 57 46.8 +2.7
MDT	Midelt	145.01 327	PKP	18 54 23.5 -0.4
MDT	comp-Z,248nm,1.0s,baz=58,slow=3.9,SNR=182	ePKP	ePKP	18 55 59.1 +1.0
MDT	comp-Z,166nm,1.1s,baz=242,slow=3.3,SNR=1.5	SKKPbc	SKKPbc	19 05 23.7 -3.6
PGRA	Graciosa	145.10 3	ePKP	18 54 23.6 -0.2
PGRA	Graciosa	145.10 3	ePKP	18 55 57.2 +0.7
ROSA	Speyside	145.12 76	ePP	18 54 24.1 -0.2
ROSA	Rosais	145.40 3	ePKP	18 54 24.1 -0.2
ROSA	Rosais	145.40 3	ePKP	18 55 57.7 +0.4
ROSA	Rosais	145.40 3	ePKP	18 54 25.4 +0.3
PSCM	Serra do Cume	145.46 1	ePKP	18 54 24.9 -0.4
PSCM	Serra do Cume	145.46 1	ePKP	18 55 57.6 +0.1
PCED	Cedros	145.46 4	ePKP	18 54 24.1 -0.3
PCED	Cedros	145.46 4	ePKP	18 55 57.6 +0.2
PMAN	Manadas	145.49 3	ePKP	18 54 25.6 +0.3
PMAN	Manadas	145.49 3	ePKP	18 55 57.9 +0.4
ADH	Angra Heroismo	145.50 2	ePKP	18 54 25.3 -0.1
ADH	Angra Heroismo	145.50 2	ePKP	18 54 28.4 -0.3
CALA	Caldeira	145.51 4	ePKP	18 54 29.0 +0.2
CALA	Caldeira	145.51 4	ePKP	18 55 58.1 +0.4
SPB	Sao Paulo	145.55 144	ePP	18 54 26.1 +0.2
HOR	Horta	145.57 4	ePKP	18 54 25.6 0.0
HOR	Horta	145.57 4	ePKP	18 55 58.0 +0.3
PICO	Pico	145.61 3	ePKP	18 55 55.1 -1.7
PICO	Pico	145.61 3	ePKP	18 54 24.6 -0.2
PCAN	Candelaria	145.64 3	ePKP	18 55 58.0 0.0
PCAN	Candelaria	145.64 3	ePKP	18 54 25.3 +1.9
BCHC	Barbados, Cave	145.64 73	ePKP	18 54 24.4 -0.4
PPNO	Prairie do Nor	145.64 3	ePKP	18 55 57.0 -0.3
PPNO	Prairie do Nor	145.64 3	ePKP	18 54 27.6 -0.2
BGGH	Gun Hill	145.71 73	ePP	18 54 24.9 -0.8
PTGA	Pitinga	145.80 97	PKPbc	18 54 27.6 -0.8
PTGA	comp-Z,258nm,0.7s,baz=265,slow=3.8,SNR=247	ePKP	ePKP	18 56 01.6 +1.7
PTGA	comp-Z,108nm,0.6s,baz=323,slow=3.0,SNR=1	ePKP	ePKP	18 54 26.3 +0.6
PTGA	Pitinga	145.80 97	ePKP	18 54 25.6 -0.1
PTGA	Pitinga	145.80 97	ePKP	18 54 36.8 +6.9
BBSP	Saint Philip	145.81 73	ePKP	18 54 26.7 +0.7
PSET	Sete Cidades	146.35 359	ePKP	18 54 25.9 +0.6
PSET	Sete Cidades	146.35 359	ePKP	18 54 25.5 -0.5
PCALD	Caldeiras da R	146.37 359	ePKP	18 55 58.9 -1.3
PCALD	Caldeiras da R	146.37 359	ePKP	18 54 27.2 +0.6
RCLB	Rio Claro- Sao	146.38 142	ePP	18 54 26.8 +0.7
BART	Pico Bartolomeo	146.38 359	ePKP	18 55 57.7 -2.6
EART	Pico Bartolomeo	146.38 359	ePKP	18 54 26.1 0.0
CMLA	Cha da Macela	146.41 359	ePKP	18 55 59.6 -0.7
CMLA	Cha da Macela	146.41 359	ePKP	18 54 28.2 +0.2
CMLA	Cha da Macela	146.41 359	ePKP	18 54 28.6 +0.6
PDA	Ponta Delgada	146.42 359	ePKP	18 54 25.3 -0.7
PDA	Ponta Delgada	146.42 359	ePKP	18 54 27.0 +0.3
ITRB	Itrama	146.45 135	ePP	18 54 27.9 +0.7
BB19B	Bebedouro	146.74 139	ePP	18 54 27.2 0.0
PARB	Paraibuna	146.79 146	ePP	18 54 27.7 +0.1
CLDB	Colider	146.92 117	ePP	18 54 27.7 +0.1
SRHM	Skhour des Reh	146.96 331	ePP	18 54 29.1 -0.8
PSMN	Pico do Norte,	147.16 359	ePKP	18 54 26.8 -0.5

PSMN	Santa Maria	147.16 359	ePKP	18 56 00.1 -1.5
PSMA	Santa Maria	147.16 359	ePKP	18 54 26.4 -0.9
PSMA	Santa Maria	147.16 359	ePKP	18 56 00.5 -1.1
EAAR	Angra dos Reis	147.69 147	ePP	18 54 29.2 +0.6
EAAR	Angra dos Reis	147.69 147	ePKP	18 54 36.0 +1.1
BSCL	Bom Sucesso	149.11 144	ePP	18 54 31.2 +0.1
PMST	Porto Santo, M	149.68 344	ePKPbc	18 54 36. -0.2
PMST	Porto Santo, M	149.68 344	ePKPbc	18 54 42.6 -0.6
PMST	Porto Santo, M	149.68 344	ePP	18 58 15.2 +3.1
PMST	Porto Santo, M	149.71 344	ePKPbc	18 54 36.5 -0.1
PMPS	Porto Santo	149.71 344	ePKPbc	18 54 42.9 -0.3
PMPS	Porto Santo	149.71 344	ePP	18 58 14.9 +2.7
PMNB	Patos De Minas	149.92 139	ePP	18 54 31.8 -0.6
CAOZ	Campos-RJ	150.13 150	ePP	18 54 31.8 -0.7
PMOZ	Porto Moniz, M	150.16 345	ePKPbc	18 54 37.9 0.0
PMOZ	Porto Moniz, M	150.16 345	ePKPbc	18 54 43.9 -1.4
PMOZ	Porto Moniz, M	150.16 345	ePKPbc	18 58 18.0 +0.2
PMOZ	Porto Moniz, M	150.16 345	eSS	18 57 11.2 +1.2
PMAR	Madeira	150.18 344	ePKPbc	18 54 38.1 +0.1
PMAR	Madeira	150.18 344	ePKPbc	18 54 43.3 -2.2
PMAR	Madeira	150.18 344	ePP	18 58 20.4 +5.2
FUL	Funchal	150.24 344	ePKPbc	18 54 39.8 +1.2
FUL	Funchal	150.24 344	ePKPbc	18 54 44.4 -1.1
FUL	Funchal	150.24 344	ePP	18 58 20.6 +5.3
SFNM	Sidi lncni	150.65 331	ePP	18 54 39.1 +0.1
DBAF	Brasília	150.79 132	PKP	18 54 33.6 -0.2
TOAO	comp-Z,55nm,1.1s,baz=187,slow=1.3,SNR=39	ePKP	ePKP	18 54 32.7 -1.5

7d 20h

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Table with columns for station name, type (AML, P, S), and coordinates. Includes stations like SNTG, NRCA, ATFO, ATVI, AVT, CSPI, LNSS, SACS, ATPI, EL6, and CAFI.

Table with columns for station name, type (AML, P), and coordinates. Includes stations like CAFI, ARVD, BADI, CING, MCIV, PARC, PE3, FSSB, FIAM, TERO, GUMA, and BADI.

Table with columns for station name, type (AML, P), and coordinates. Includes stations like GUMA, DUGI, MORI, UDBI, KIJV, GSI, GSI, GSI, MNSI, TPTI, PSI, PSI, SISI, KCSI, PDSI, BKNI, BKNI, LHMI, IPMI, KULM, MYKOM, MNAI, LHSI, MIDSI, PALK, CMAR, KKM, KAPI, H08S2, H08S3, H08S1, LSA, YULB, SSLB, WR1, WR2, WR3, ASAR, AS31, JNU, JNU, KS15, KRSR, SONA0, SONM, MK31, MKAR, MAJO, MJB9, MJAR, CTAO, STKA, STKA, USA0B, USRK, ZAA0, ZALV, ZAA1, KLR, GERES, VANDA, TXAR, and GALA.

IDC 07 19:17:20.4e1.2, 0.71N:97.32E, h0km, mb4.3/13, mb1 4.4/15, mb1mx4.0/51, mbtmp4.3/15, ML3.6/2, Error ellipse: s-maj=28.9km s-min=17.0km az=65.0 NEIC 07 19:17:21.8e2.4, 0.70N:97.06E, h28km, 5km, mb4.5/16, Error ellipse: s-maj=11.5km s-min=7.7km az=101.0 NEIC Felt [III] in western Nias. ISCJB 07 19:17:22.8e1.0, 0.71N:0.04e97.28E:0.07, h38km, 7km, mb4.4/25, Error ellipse: s-maj=12.4km s-min=6.1km az=156.7 DJA 07 19:17:24.9e0.7, 1.1N:4x9.7E, h31km, 7km, M4.6/11, mb4.6/3, MLV4.6/11 ISC 07 19:17:22.6e2.0, 0.73N:0.06e97.20E:0.08, h24km, 13km, n54.1537/57, mb4.5/25, Northern Sumatra

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GSI, GSI, GSI, MNSI, TPTI, PSI, PSI, SISI, KCSI, PDSI, BKNI, BKNI, LHMI, IPMI, KULM, MYKOM, MNAI, LHSI, MIDSI, PALK, CMAR, KKM, KAPI, H08S2, H08S3, H08S1, LSA, YULB, SSLB, WR1, WR2, WR3, ASAR, AS31, JNU, JNU, KS15, KRSR, SONA0, SONM, MK31, MKAR, MAJO, MJB9, MJAR, CTAO, STKA, STKA, USA0B, USRK, ZAA0, ZALV, ZAA1, KLR, GERES, VANDA, TXAR, and GALA.

7d 20h

2013 JUL

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like BLG Laguna Peak, ZAK Zakamensk, XAN Xi'an, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like TUC Tucson, XAN Xi'an, TPUB Ta-pu, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Power, Frequency, and other parameters. Includes stations like KURK Kurchatov, TRO Tromso, BOLD Bolinao, etc.

M46A	Old House Fiel	61.15	59	P	P	20 28 12.3	-0.4
J48A	Bridge Port	61.19	56	P	P	20 28 14.0	+1.0
O45A	Potomac	61.20	61	P	P	20 28 13.2	+0.1
I49A	Point Hope	61.24	55	P	P	20 28 13.1	-0.2
W39A	Magazine	61.26	69	P	P	20 28 13.2	-0.3
N46A	Monticello	61.30	60	P	P	20 28 13.3	-0.4
D52A	ZEK Kipawa Sen	61.30	50	P	P	20 28 12.5	-1.2
WH7X	Lake Whitney	61.31	74	P	P	20 28 14.4	+0.5
F51A	Arnstein	61.31	52	P	P	20 28 13.3	-0.5
K48A	Perry	61.37	57	P	P	20 28 14.2	0.0
L47A	Sherwood	61.37	58	P	P	20 28 14.0	-0.2
SVE	Sverdlovsk	61.45	327j	eP	P	20 28 14.5	0.0
SVE	SVE						
SFIN	Lafayette	61.46	60	P	P	20 28 14.5	-0.3
J49A	Marlette	61.49	56	P	P	20 28 14.5	-0.5
KLBO	Killbear Provi	61.57	52	P	P	20 28 15.0	-0.5
D53A	Lac Vacive, Po	61.57	49	P	P	20 28 14.5	-1.0
M47A	Cromwell	61.58	59	P	P	20 28 15.4	-0.2
BMRO	Meriville Lake	61.60	53	P	P	20 28 16.2	+0.4
E52A	Mattawa	61.68	51	P	P	20 28 15.5	-0.8
P45A	Graceland, Par	61.70	61	P	P	20 28 16.1	-0.3
F52A	Sundridge	61.70	51	P	P	20 28 16.0	-0.4
K49A	Clarkson	61.73	56	P	P	20 28 16.6	0.0
BRCO	Bruce Peninsul	61.74	54	P	P	20 28 16.2	-0.5
BASO	Ashfield	61.79	54	P	P	20 28 16.1	-0.9
L48A	N Adams	61.80	57	P	P	20 28 17.2	+0.1
MIAR	Mount Ida	61.84	69	P	P	20 28 17.7	+0.2
N47A	Urbana	61.87	59	P	P	20 28 16.8	-0.8
PRGR	Permogore	61.90	337j	iP	P	20 28 16.7	-0.7
PRGR	PRGR					20 29 01.2	0.0
PRGR	PRGR					20 36 37.6	0.0
Q45A	Warren Harvey,	61.91	62	P	P	20 28 17.6	-0.2
BUKO	Buck Lake	61.91	52	P	P	20 28 17.4	-0.5
P46A	Rosedale	61.93	61	P	P	20 28 17.9	-0.2
AAM	Ann Arbor	61.96	57	P	P	20 28 17.3	-0.9
BWLO	Walkerton	61.98	54	P	P	20 28 17.6	-0.7
D54A	Lac Fusel, La	62.02	49	P	P	20 28 16.8	-1.7
L49A	Milan	62.04	57	P	P	20 28 18.5	-0.2
O47A	Sheridan	62.06	60	P	P	20 28 18.1	-0.8
435B	Jarrel	62.08	75	P	P	20 28 18.7	-0.5
E53A	Dumoine, Ponti	62.09	50	P	P	20 28 18.0	-1.0
S44A	Carbondale	62.13	64	P	P	20 28 19.2	-0.2
W41B	Gary Mavity, V	62.18	68	P	P	20 28 19.2	-0.6
ALGO	Algonquin Park	62.21	51	P	P	20 28 19.3	-0.5
H52A	Wyevale	62.24	53	P	P	20 28 19.3	-0.7
N48A	Decatur	62.25	59	P	P	20 28 19.7	-0.4
R45A	Skyilar, Fairfi	62.26	63	P	P	20 28 20.0	-0.2
I51A	Listowel	62.26	54	P	P	20 28 19.5	-0.7
E54A	Lac Duplat, Po	62.28	50	P	P	20 28 19.0	-1.2
KONS	Konsvik	62.30	354	eP	P	20 28 19.2	-0.9
X40A	Basin Creek Fa	62.31	69	P	P	20 28 20.7	+0.1
M49A	Liberty Center	62.38	58	P	P	20 28 21.0	+0.1
OUL	Oulu	62.43	348	P	P	20 28 19.6	-1.4
ARU	Arti	62.48	328	eP	P	20 28 20.5	-0.9
ARU	Arti	62.48	328	iP	P	20 28 20.4	-0.9
IS2A	Shelburne	62.50	53	P	P	20 28 21.8	-0.1
G53A	Haliburton	62.53	52	P	P	20 28 21.5	-0.5
MOR8	Moi Rana	62.53	354	eP	P	20 28 19.4	-2.2
P47A	Martinsville	62.54	61	P	P	20 28 21.6	-0.5
O48A	Farmland	62.60	59	P	P	20 28 22.0	-0.5
N49A	Columbus Grove	62.66	58	P	P	20 28 22.4	-0.4
833A	Chaparral WMA,	62.71	78	P	P	20 28 23.5	+0.1
R46A	Gibson Southern	62.75	62	P	P	20 28 24.1	+0.6
PEMO	Pembroke	62.80	50	P	P	20 28 22.5	-1.2
Q47A	Bedford North L	62.84	61	P	P	20 28 23.8	-0.3
ACTO	Acton	62.89	54	P	P	20 28 23.7	-0.7
BANO	Bancroft	62.94	51	P	P	20 28 23.9	-0.8
J52A	Paris	62.94	54	P	P	20 28 24.5	-0.2
I53A	Kortright Cn E	62.98	53	P	P	20 28 24.4	-0.5
S46A	Don Dixon Farm	63.01	63	P	P	20 28 25.2	-0.1
O49A	Milroy	63.02	60	P	P	20 28 24.9	-0.4
P48A	Covington	63.09	59	P	P	20 28 25.9	+0.1
JAY	Jayapura	63.10	225	P	P	20 28 26.2	+0.1
KCP	Kidapawan	63.10	246	iP	P	20 28 25.4	-0.8
KMI	Kunming	63.10	277	P	P	20 28 26.1	-0.2
KMI	KMI					20 28 38.1	+0.5
KMI	KMI					20 28 43.7	+1.5
KMI	KMI						
F55A	Otter Lake	63.12	50	P	P	20 28 25.5	-0.3
PKRO	Pickering	63.13	53	P	P	20 28 26.2	+0.2
NATX	Nacogdoches	63.15	72	P	P	20 28 26.9	+0.6
Z41A	Richard Creek	63.20	70	P	P	20 28 27.1	+0.6
Q48A	North Vernon	63.23	61	P	P	20 28 26.3	-0.3
R47A	Woolly Knot Far	63.24	62	P	P	20 28 27.0	+0.2
N50A	Nevada	63.31	58	P	P	20 28 27.1	-0.2
PLVO	Plevna	63.34	51	P	P	20 28 26.8	-0.5
OTUK	Ortayu	63.35	315	P	P	20 28 27.0	-0.4
P49A	Miami Univ, Ec	63.35	60	P	P	20 28 26.7	-0.8
TYNO	Tyneside	63.36	54	P	P	20 28 25.2	-2.3
T46A	Princeton	63.36	63	P	P	20 28 27.4	-0.2
G55A	Calabogie	63.36	50	P	P	20 28 26.0	-1.4
DRWO	Darlington Wes	63.37	53	P	P	20 28 27.1	-0.5
GENI	Genyem	63.41	226	P	P	20 28 29.0	+0.9
WCI	Wyandotte Cave	63.41	62	eP	P	20 28 28.0	+0.1
WCI	Wyandotte Cave	63.41	62	eP	P	20 28 28.0	+0.1
WCI	Wyandotte Cave	63.41	62	P	P	20 28 27.6	-0.3
M51A	Elyria	63.42	57	P	P	20 28 27.8	-0.2
X43A	Marvell	63.43	67	P	P	20 28 27.5	-0.6
DELO	Delco Mine	63.46	51	P	P	20 28 26.9	-1.2
WLVO	Wesleyville	63.50	52	P	P	20 28 27.9	-0.5
O50A	Orleans	63.51	58	P	P	20 28 28.1	-0.5
R48A	Northridge Ran	63.52	61	P	P	20 28 28.1	-0.6
PDGK	Podgornoye	63.53	307	P	P	20 28 28.6	-0.2
S47A	Hartford	63.54	62	P	P	20 28 28.6	-0.1
N51A	Ashland	63.62	57	P	P	20 28 28.8	-0.4
Q49A	Aurora	63.63	60	P	P	20 28 28.8	-0.6
I55A	Frankford	63.65	52	P	P	20 28 28.6	-0.7
H55A	Tweed	63.65	51	P	P	20 28 28.6	-0.7
LATQ	La Tuque	63.66	46	P	P	20 28 27.9	-1.5
U46A	Springville	63.68	64	P	P	20 28 30.4	+0.7
M52A	Chesterland	63.71	56	P	P	20 28 29.4	-0.4
HKT	Hockley	63.73	74	eP	P	20 28 31.2	+1.2
HKT	Hockley	63.73	74	eP	P	20 28 31.2	+1.2
ACSO	Alum Creek Sta	63.79	58	P	P	20 28 30.0	-0.4
P50A	Jamestown	63.80	59	P	P	20 28 30.3	-0.1
ORIO	Orleans, Innes	63.80	49	P	P	20 28 29.6	-0.7
T47A	Sharon Grove	63.84	63	P	P	20 28 30.9	+0.1
J54A	Appleton	63.85	53	P	P	20 28 30.3	-0.5
S48A	Wiedeman Farm,	63.95	62	P	P	20 28 31.2	-0.3
L53A	Girard	63.98	55	P	P	20 28 31.6	0.0
R49A	Shelbyville	63.99	61	P	P	20 28 32.1	+0.4
MEDO	Medina	64.02	53	P	P	20 28 30.2	-1.6
WVT	Waverly	64.04	64	eP	P	20 28 31.9	-0.2
WVT	Waverly	64.04	64	eP	P	20 28 31.9	-0.2
WVT	Waverly	64.04	64	P	P	20 28 32.1	0.0
O51A	Pataskala	64.05	58	P	P	20 28 31.6	-0.5
N52A	Milton's Farm,	64.06	57	P	P	20 28 31.7	-0.4
H56A	Elgin	64.07	51	P	P	20 28 30.9	-1.2
V46A	Holiday	64.11	65	P	P	20 28 32.4	-0.2
U47A	Clarksville	64.13	64	P	P	20 28 33.4	+0.7
M53A	WI Miller and	64.14	56	P	P	20 28 32.2	-0.5
T48A	Bowling Green	64.15	62	P	P	20 28 32.9	+0.1
PECO	Prince Edward	64.19	51	P	P	20 28 32.2	-0.7
Q50A	Georgetown	64.25	60	P	P	20 28 33.0	-0.4
L54A	Sinclairville	64.26	54	P	P	20 28 32.5	-0.9
J55A	Hilton	64.27	52	P	P	20 28 33.0	-0.5
P51A	Williamsport	64.28	59	P	P	20 28 32.8	-0.8
S49A	Springfield	64.29	61	P	P	20 28 33.6	0.0
OXF	Oxford	64.29	66	P	P	20 28 33.5	-0.2
K54A	Basillko Farm,	64.31	53	P	P	20 28 32.6	-1.2
V47A	Nunnely	64.34	64	P	P	20 28 34.6	-0.1
W46A	Michie	64.44	65	P	P	20 28 34.5	-0.2
Q51A	Peebles	64.46	59	P	P	20 28 34.4	-0.4
R50A	Paris	64.46	60	P	P	20 28 34.5	-0.3
O52A	Adamsville	64.48	57	P	P	20 28 34.7	-0.2
U48A	Cassie Pea, Po	64.50	63	P	P	20 28 35.0	0.0
N53A	Listowel	64.51	56	P	P	20 28 34.7	-0.4
K55A	Perry	64.53	53	P	P	20 28 34.7	-0.5
M54A	Oil Creek Stat	64.61	55	P	P	20 28 35.7	0.0
SRPI	Seru, Papua	64.61	230	P	P	20 28 35.3	-0.7
T49A	Edmonton	64.62	62	P	P	20 28 35.9	-0.1
P52A	Corning	64.67	58	P	P	20 28 34.6	-1.5
O53A	New Philadelph	64.71	57	P	P	20 28 36.1	-0.3
X46A	Booneville	64.74	66	P	P	20 28 35.9	-0.7
L55A	Hinsdale	64.75	54	P	P	20 28 35.9	-0.8
W47A	Westpoint	64.81	65	P	P	20 28 36.8	-0.3
R51A	Hillsboro	64.85	60	P	P	20 28 37.8	+0.4
S50A	Richmond	64.85	61	P	P	20 28 37.6	+0.2
LONV	Lak Ozonia	64.86	50	P	P	20 28 35.6	-1.7
V48A	Smith Brothers	64.89	64	P	P	20 28 37.2	-0.4
U49A	Red Boiling Sp	64.92	63	P	P	20 28 37.8	-0.1
T50A	Nancy	65.08	62	P	P	20 28 39.0	+0.1
Q52A	Bidwell	65.08	58	P	P	20 28 38.8	-0.1
M55A	Ridgway	65.10	54	P	P	20 28 38.9	0.0
LNIG	Linares	65.13	81	eP	P	20 28 38.5	-0.8
P53A	Whipple	65.17	57	P	P	20 28 38.6	-0.8
X47A	Russelville	65.18	65	P	P	20 28 39.1	-0.5
O54A	Avella	65.20	56	P	P	20 28 39.2	-0.4
W48A	Pulaski	65.26	64	P	P	20 28 40.2	+0.2
VBMS	Vicksburg	65.29	69	P	P	20 28 40.8	+0.6
S51A	Beattyville	65.32	60	P	P	20 28 40.2	-0.3
R52A	Cattlettsburg	65.33	59	P	P	20 28 40.4	-0.1
M56A	Emporium	65.39	54	P	P		

Table with columns: TOO, Toolangi, 31.63 186, eP, P, 20 36 25.1 +0.9, 20 39 14.7, etc. Includes stations like GUIM Jordan, FORT Forrest, DNP Denpasar, etc.

Table with columns: JUNU, ODZ, QZH, etc. Includes stations like Otahua Downs, Quanzhou, Pangkal Pinang, etc.

Table with columns: YUK, PANO, KULM, etc. Includes stations like Nakornpanom, Kulim, Asahikawa, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BBRC, FAQ, GSC, FURC, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like GNI, SDCO, APA, etc.

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

Table with columns for location, coordinates, and status. Includes entries like PRAR RASCA, TESR Tescani, YV Yalova, etc.

Table with columns for location, coordinates, and status. Includes entries like COPA Copaceana, HARRIS Harrisville, HUMR Humel, etc.

Table with columns for location, coordinates, and status. Includes entries like W47A Westpoint, H48A Harrisville, E48A Eureka, etc.

U53A	Fall Branch	123.54	50	P	PKPdf	20 48 57.6	-0.2
X53A	Estanolle	123.56	52	P	PKPdf	20 48 57.8	-0.1
PYL	PYL OS	123.58 311	ePKPdf	PKPdf	20 48 56.7	-1.2	
PYL	PYL OS	123.58 311	P	PKPdf	20 48 56.7	-1.2	
V53A	Saluda	123.58	51	P	PKPdf	20 48 58.1	+0.1
253A	Americus	123.59	55	P	PKPdf	20 48 58.0	0.0
454A	Appleton	123.64	41	P	PKPdf	20 48 57.1	-0.7
L54A	Sinclairville	123.65	42	P	PKPdf	20 48 56.9	-1.0
IGT	Igoumensita	123.67 314	ePKPdf	PKPdf	20 48 57.9	-0.1	
IGT	Igoumensita	123.67 314	P	PKPdf	20 48 57.9	-0.1	
153A	Fort Valley	123.67	55	P	PKPdf	20 48 57.7	-0.5
MOA	Molin	123.69 325	iPKIKP	PKPdf	20 48 57.7	-0.1	
MOA	comp-Z, 48nm, 1.6s, SNR=18	ePKPKPab	PKKPab	20 58 46.1	+0.7		
353A	Camilla	123.70	56	P	PKiKp	20 48 58.6	0.0
Z53A	Monticello	123.71	54	P	PKPdf	20 48 58.0	-0.2
LK2D	Lefkada Island	123.71 313	P	PKIKP	20 48 58.3	-0.1	
DELO	Deloro Mine	123.72	39	P	PKPdf	20 48 57.4	-0.5
TREB	Trebinnie	123.72 318	eP	PKPdf	20 48 57.5	-0.5	
M54A	Oil Creek Stat	123.72	43	P	PKPdf	20 48 57.2	-0.9
N54A	Moraine State	123.72	44	P	PKPdf	20 48 57.9	-0.2
HCY	Herceg Novi	123.74 318	eP	PKPdf	20 48 57.6	-0.4	
453A	Whigham	123.74	57	P	PKIKP	20 48 59.1	+0.5
403A	Godfrey	123.75	54	P	PKPdf	20 48 58.2	-0.1
MGRS	Mirkonjic Grad	123.75 321	eP	PKIKP	20 48 58.4	+0.1	
OL5A	Avella	123.77	45	P	PKIKP	20 48 58.3	-0.1
P54A	Plevna	123.80	38	P	PKPdf	20 48 57.6	-0.4
MEDO	Medina	123.81	41	P	PKPdf	20 48 57.1	-1.0
553A	Crawfordville	123.81	58	P	PKiKp	20 48 58.7	-0.1
I55A	Frankford	123.82	40	P	PKPdf	20 48 57.5	-0.6
F55A	Otter Lake	123.85	37	P	PKPdf	20 48 57.0	-1.1
KFL	Anninata	123.87 312	P	PKIKP	20 48 58.6	-0.1	
SOKA	Sokoth	123.87 324	ePKIKP	PKPdf	20 48 57.9	-0.4	
SOKA	comp-Z, 47nm, 1.0s, SNR=39	ePKPKPab	PKKPbc	20 58 45.6	-0.8		
K54A	Basilikko Farm,	123.90	42	P	PKPdf	20 48 57.4	-1.0
FSK	Riskardo	123.90 313	P	PKPdf	20 48 58.1	-0.3	
Q54A	Coxs Mills	123.91	46	P	PKPdf	20 48 57.9	-0.6
G55A	Calabogie	123.92	38	P	PKPdf	20 48 57.6	-0.6
P54A	Burton	123.92	46	P	PKPdf	20 48 58.1	-0.4
H55A	Tweed	123.97	39	P	PKPdf	20 48 58.0	-0.4
KEK	Kerkira	123.98 314	ePKPdf	PKPdf	20 48 57.4	-1.2	
KEK	Kerkira	123.98 314	P	PKPdf	20 48 57.4	-1.2	
554A	Dingess, Beckl	124.00	48	P	PKPdf	20 48 57.9	-0.8
T54A	Tazewell	124.06	49	P	PKPdf	20 48 58.1	-0.8
CRES	Cresnejev	124.06 323	iP	PKPdf	20 48 58.6	-1.8	
US4A	Nelsons Funny	124.06	50	P	PKPdf	20 48 58.4	-0.5
STON	Ston	124.08 319	eP	PKPdf	20 48 57.7	-0.9	
RS4A	Victor	124.09	47	P	PKPdf	20 48 58.0	-0.9
J55A	Hilton	124.18	41	P	PKPdf	20 48 57.9	-0.9
TIGA	Tifton	124.20	56	P	PKiKp	20 48 59.4	-0.1
V54A	Nebo	124.22	50	P	PKPdf	20 48 59.3	+0.1
Y54A	Tignal	124.24	53	P	PKPdf	20 48 59.2	0.0
OBKA	Obir	124.25 324	iPKIKP	PKPdf	20 48 59.0	0.0	
OBKA	comp-Z, 39nm, 1.1s, SNR=8.6	ePKPKPab	PKKPbc	20 58 44.7	-0.2		
K55A	Perry	124.26	41	P	PKPdf	20 48 58.4	-0.6
W54A	Cherokee Point	124.26	51	P	PKPdf	20 48 59.0	-0.2
L55A	Hinsdale	124.26	42	P	PKPdf	20 48 58.4	-0.7
154A	Montrose	124.27	54	P	PKPdf	20 48 59.2	-0.1
GRFO	Grafenberg	124.28 329	ePKPdf	PKIKP	20 48 59.9	+0.7	
GRFO	Grafenberg	124.28 329	ePKPKP	PKIKP	20 48 59.9	+0.7	
X54A	Belfon	124.28	52	P	PKIKP	20 48 59.5	-0.1
Z54A	Sparta	124.31	54	P	PKPdf	20 48 59.2	-0.1
254A	Abbeville	124.31	55	P	PKPdf	20 48 59.4	0.0
M55A	Ridgway	124.35	43	P	PKPdf	20 48 58.8	-0.4
BOJS	Bojanci	124.35 323	iPKPdf	PKIKP	20 48 59.6	+0.2	
BOJS		21 00 55.3					
BOJS		21 00 55.1					
MCWV	Mont Chateau	124.35	45	P	PKPdf	20 48 59.8	-0.4
454A	Outman	124.35	57	P	PKIKP	20 48 58.8	0.0
PECO	Prince Edward	124.39	40	P	PKPdf	20 48 58.9	-0.3
P55A	Reedsdale	124.42	46	P	PKPdf	20 48 58.6	-0.8
Q55A	Buckhannon	124.44	46	P	PKPdf	20 48 59.1	-0.4
454A	Perry	124.47	58	P	PKIKP	20 49 00.1	+0.1
N55A	Marion Center	124.49	44	P	PKPdf	20 48 59.0	-0.6
LJU	Ljubljana	124.50 323	iPKPdf	PKIKP	20 48 59.8	+0.1	
LJU		20 49 16.4					
LJU		20 58 43.2					
O55A	Ligonier	124.51	45	P	PKPdf	20 48 59.1	-0.3
H56A	Elgin	124.53	39	P	PKPdf	20 48 59.3	-0.3
ORIO	Orleans, Innes	124.55	37	P	PKPdf	20 48 59.1	-0.3
S55A	Lewisburg	124.60	48	P	PKPdf	20 48 59.1	-0.8
T55A	Pulaski	124.63	49	P	PKPdf	20 48 59.7	-0.2
KBA	Koelbrenspers	124.63 325	iPKPdf	PKPdf	20 48 59.0	-0.9	
KBA	comp-Z, 32nm, 1.1s, SNR=25	ePKPKPab	PKKPab	20 58 42.4	+0.4		
KBA	Koelbrenspers	124.63 325	PKIKP	PKPdf	20 48 59.2	-0.6	
U55A	TAZ, Sparta	124.65	49	P	PKPdf	20 48 59.9	-0.2
R55A	Marlinton	124.69	47	P	PKPdf	20 49 00.2	+0.1
MYKA	Terra Mystica	124.71 324	iPKPdf	PKPdf	20 48 59.3	-0.5	
MYKA	comp-Z, 26nm, 1.0s, SNR=16	ePKPKPab	PKKPbc	20 58 42.8	-0.2		
CEY	Cerknica	124.72 323	iP	PKPdf	20 48 58.5	-1.4	
M56A	Emporium	124.74	43	P	PKPdf	20 48 59.1	-0.4
V55A	Taylorville	124.75	50	P	PKPdf	20 49 00.2	0.0
MATN	Matagalpa	124.77 79	eP	PKPdf	20 49 00.1	-0.7	
155A	Kite	124.79	54	P	PKPdf	20 49 00.3	0.0
355A	Pearson	124.83	56	P	PKPdf	20 49 00.1	-0.3
455A	Stateville	124.85	57	P	PKPdf	20 49 00.3	-0.2

BLA	baz=285, SNR=13	124.87	48	P	PKPdf	20 48 59.8	-0.6
Z55A	Blacksburg	124.87	48	P	PKPdf	20 48 59.8	-0.6
B55A	Blythe	124.88	53	P	PKPdf	20 49 00.3	-0.1
Y55A	Saluda	124.88	53	P	PKPdf	20 49 00.4	0.0
X55A	Gracelyn & Ava	124.88	52	P	PKIKP	20 49 00.8	0.0
KM5C	Kings Mountain	124.90	51	P	PKPdf	20 49 00.5	0.0
RRR	Rubha Reich	124.90 344	eP	PKPdf	20 48 59.5	-0.2	
RIY	Rijeka	124.91 323	eP	PKPdf	20 48 59.2	-0.9	
N56A	West Decatur	124.91	43	P	PKPdf	20 49 00.2	-0.1
WTSB	Winterswijk	124.96	333	ePKPdf	20 48 59.6	-0.4	
WTSB	comp-Z, 65nm, 2.1s	ePKPKP	pPKPdf	20 49 16.9	-2.4		
655A	Horseshoe Beac	124.97	58	P	PKIKP	20 49 00.9	-0.2
255A	Hazlehurst	124.98	55	P	PKPdf	20 49 00.6	0.0
555A	McAlpin	125.06	57	P	PKPdf	20 49 00.9	0.0
Q56A	Snyder Ridge,	125.07	46	P	PKPdf	20 49 00.3	-0.4
KAC	Achnashellach	125.07 344	eP	PKIKP	20 49 00.3	-0.2	
LAQT	La Tuque	125.09	34	P	PKPdf	20 49 00.2	-0.2
P56A	Dayton Farm, R	125.13	45	P	PKPdf	20 48 60.0	-0.8
R56A	Bill Pasture M	125.16	47	P	PKPdf	20 49 00.6	-0.4
U56A	Kung	125.21	49	P	PKPdf	20 49 00.6	-0.4
EDU	Dumdee	125.21 342	eP	PKPdf	20 49 00.5	+0.1	
LMEL	Las Melosas	125.22 139	eP	PKPdf	20 49 17.0	+1.5	
T56A	West Mt	125.23	48	P	PKPdf	20 49 00.4	-0.7
CLCH	Cerro Calan	125.29 139	eP	PKIKP	20 49 17.7	+1.6	
ABTA	Abfaltersbach	125.29 325	iPKPdf	PKPdf	20 49 00.5	-0.5	
ABTA	comp-Z, 63nm, 1.0s, SNR=36	ePKPKPab	PKKPbc	20 58 40.2	-0.5		
SSPA	Standing Stone	125.31	44	ePKPdf	PKPdf	20 49 01.0	-0.1
SSPA	Standing Stone	125.31	44	P	PKPdf	20 49 00.6	-0.4
V56A	Mocksville	125.31	50	P	PKPdf	20 49 01.0	-0.2
GB1A	Borinquen Arri	125.32	81	eP	PKPdf	20 49 01.2	-0.7
S56A	Natural Bridge	125.33	47	P	PKPdf	20 49 00.9	-0.3
PEL	Peidheue	125.34 138	eP	PKIKP	20 49 18.4	+1.7	
X56A	White Oak	125.35	52	P	PKIKP	20 49 01.5	-0.1
Y56A	Pellon	125.36	53	P	PKiKp	20 49 01.7	-0.1
356A	Blackshear	125.43	56	P	PKIKP	20 49 01.9	0.0
Z56A	Glennville	125.44	55	P	PKIKP	20 49 02.1	+0.1
256A	Williston	125.45	53	P	PKIKP	20 49 01.8	-0.2
W56A	Indian Trail	125.48	51	P	PKPdf	20 49 01.5	-0.1
WATA	Waldermal	125.48 326	iPKIKP	PKPdf	20 49 01.3	-0.2	
N57A	Milroy	125.49	43	P	PKPdf	20 49 01.3	-0.2
WTFA	Watersberg	125.49 326	iPKIKP	PKPdf	20 49 01.6	+0.2	
MESS	Mesas	125.52	81	eP	PKPdf	20 49 02.2	0.0
ACON	Acopya	125.53	80	eP	PKPdf	20 49 01.9	-0.3
LONY	Lak Ozonia	125.55	38	P	PKPdf	20 49 00.5	-0.9
CUI	Cuipilapa	125.55	81	eP	PKPdf	20 49 01.4	-1.0
556A	Lake Butler	125.56	57	P	PKIKP	20 49 02.2	0.0
156A	Sylvania	125.56	54	P	PKPdf	20 49 01.9	+0.1
ESY	Stoneypath	125.61 341	eP	PKIKP	20 49 01.8	+0.2	
656A	Williston	125.61	52	P	PKIKP	20 49 02.2	-0.2
EBH	Black Hill	125.61 342	eP	PKPdf	20 49 01.1	-0.1	
Q57A	Strasburg	125.62	46	P	PKPdf	20 49 01.5	-0.3
INVG	Invergoldie, C	125.63 342	eP	PKPdf	20 49 01.2	0.0	
INVG	comp-Z, 9um, 23.4s	IAMS_20	IAMS_20	21 45 43.4			
O57A	Amberson	125.67	44	P	PKPdf	20 49 01.1	-0.7
456A	Hilliard	125.69	56	P	PKIKP	20 49 02.3	-0.1
P57A	Homestead Farm	125.72	45	P	PKPdf	20 49 01.1	-0.8
MATE	Matera	125.74 317	iP	PKPdf	20 49 01.9	0.0	
MOTA	Moosehill	125.74 326	iPKIKP	PKPdf	20 49 01.8	-0.1	
S57A	Dark Hollow, 0.9s	SNR=49		PKPdf	20 49 01.4	-0.6	
SQTA	Sanct Quirin	125.75 326	iPKIKP	PKPdf	20 49 02.1	+0.2	
JTS	Las Juntas de	125.76	82	ePKPdf	PKPdf	20 49 03.1	+0.1
JTS	Las Juntas de	125.76	82	eP	PKPdf	20 49 03.0	-0.1
JTS	Hurt	125.81	48	P	PKPdf	20 49 01.9	-0.3
V57A	Coltrane Farms	125.83	50	P	PKPdf	20 49 01.8	-0.4
R57A	Stanardsville	125.84	46	P	PKPdf	20 49 01.8	-0.4
RETA	Reutte	125.84 327	iPKIKP	PKIKP	20 49 02.2	-0.2	
EBL	Broad Law	125.86 341	eP	PKPdf	20 48 01.7	0.0	
BINY	Binghamton	125.87	41	P	PKPdf	20 49 01.8	-0.3
EAB	Aberfoyle	125.92 342	eP	PKPdf	20 49 01.6	-0.1	
W57A	Gilead	125.93	51	P	PKPdf	20 49 01.9	-0.5
357A	Townsend	125.93	55	P	PKPdf	20 49 02.2	-0.3

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Chiang Mai Arr, Chieng Mai Arr, Chengdu, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Molln, Abfalterbach, Wattenberg, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GEYT, Alibek, IDC 07 22:46:35.4, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like LPAZ, BBOB, BS06, etc.

SOME 0723:36:14.4, 41.95N:72.07E, h10km
KRNET 0723:36:14.4, 41.92N:72.16E, h12km, mb2.2
NIC 0723:36:17.3, 1.6, 42.12N:72.03E, h0km, mb2.7, mpv2.7

ISC 0723:36:14.5, 0.9, 41.92N:072.13E:0.02, h10km, gkm, n24, c123/44, 17C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like ARK, ARS, ARSB, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like SGDS, TKM2, DGS, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, I, S, C. Includes stations like USRK, ZAAO, ZALV, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, ISC, h, m, s, Res, ISC. Includes stations like YKBS Yellowknife Ar, FIAO FINESS Array S, etc.

MOS 08 00:07:51.8, 0.9, 33.42S:77.75E, h10km, mb4.9/29, Error ellipse: s-maj=18.4km s-min=8.8km az=94.2

ISCJB 08 00:07:52.7, 0.3, 33.44S:077.76E:0.08, h16km, mb4.6/54, MS4.0/5, Error ellipse: s-maj=9.7km s-min=8.4km az=21.4

Table with columns: Code, Station Name, Az, El, P, Time Res, ISC, h, m, s, Res, ISC. Includes stations like H08S2 Diego Garcia H, H08S1 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, ISC, h, m, s, Res, ISC. Includes stations like VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

IGQ 08 00:17:34.7, 0.4, 0.0N:3.8'0W, h10km, MLV3.9

ISCJB 08 00:17:35.2, 0.6, 0.30N:0.03:80.01W:0.05, h15km, Error ellipse: s-maj=7.0km s-min=4.0km az=25.8

Table with columns: Code, Station Name, Az, El, P, Time Res, ISC, h, m, s, Res, ISC. Includes stations like VNA2 Neumayer-Watz, VNA1 Neumayer-Stat, etc.

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

ISC 08 00:17:35.9, 1.1, 0.17N:0.05:79.92W:0.06, h15km, n53, e189S/58, Near coast of Ecuador

Table with columns: Code, Station Name, Az, El, P, Time Res, ISC, h, m, s, Res, ISC. Includes stations like MAG1 Magdalena, PTLG Punta Galera, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MDSI Maura Dua, KSM Kuching, BATI Baumata, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like QIS Mount Isa, UMPA Duglirup, COEN Coen, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like H08S1 Diego Garcia H, TEZP TEZPUR, Chengdu, etc.

RAYN	Ar Rayn	73.31 298	i P	P	02 25 05.6	-0.4
RAYN	Ar Rayn	73.31 298	eP	P	02 25 05.5	-0.5
RAYN	comp-Z,34nm,1.0s			Pmax		
SBA	Scott Base	74.26 170	P	P	02 25 11.8	+1.3
MA2	Magadan	74.45 19	P	P	02 25 12.4	+0.5
MA2	Magadan	74.45 19	eP	P	02 25 12.2	+0.4
MA2	comp-Z,35nm,1.5s					
MA2	Magadan	74.45 19	eP	P	02 25 12.5	+0.7
MA2	comp-Z,91nm,2.5s			Pmax		
KMBO	Kilima Mbogo	75.76 271	P	P	02 25 21.8	+1.1
KMBO	comp-Z,11nm,0.8s,baz=82,slow=9.9,SNR=29			LR		
KMBO	Kilima Mbogo	75.76 271	eP	P	02 25 20.1	-0.6
KMBO	comp-Z,1.5nm,0.8s					
KMBO	Kilima Mbogo	75.76 271	i P	P	02 25 22.4	+1.7
SYO	Syowa Base	75.98 201	iEx	P	02 25 19.0	-1.5
SYO	Syowa Base	75.98 201	eP	P	02 25 30.2	+1.0
SYO	Syowa Base	75.98 201	eP	P	02 25 37.0	-3.7
SEY	Seymchan	77.57 17	P	P	02 25 29.5	+0.1
AKT	Akhty	77.82 316	e	P	02 25 32.5	+1.0
AKT	comp-Z,41nm,1.3s			ePP		
AKT	Sverdlovsk	78.13 334	d	P	02 25 32.9	+0.2
AKT	SVE		eS	P	02 25 35.4	-4.2
MAK	Makhachkala	78.56 317	eP	P	02 25 32.1	-3.3
MAK	comp-Z,86nm,1.3s			ePP		
MAK	MAK		eS	P	02 25 55.6	-0.6
MAK	MAK		eS	P	02 35 19.6	-6.2
MAK	MAK		eSS	P	02 36 04.8	+3.0
ARU	Arti	78.82 333	eP	P	02 25 35.9	-0.7
ARU	Arti	78.82 333	eP	P	02 25 36.2	-0.3
ARU	Arti		iPP	P	02 25 53.9	-3.6
ARU	Arti		P	P	02 25 57.5	-0.6
ARU	comp-Z,60nm,1.1s			Pmax		
GNI	Garni	79.42 314	eP	P	02 25 40.5	+0.1
GNI	comp-Z,23nm,0.9s					
GNI	Garni	79.42 314	i P	P	02 25 42.6	+2.2
GNI	SNR=5.5					
GNI	Garni	79.42 314	eP	P	02 25 42.6	+2.2
GNI	comp-Z,294nm,2.5s			Pmax		
GNI	Garni	79.42 314	P	P	02 25 41.4	+1.0
BLIS	Bitlis-Merkez	80.75 311	i P	P	02 25 46.3	-1.3
BLIS	comp-Z,75nm,0.2s			IAML_P		
AKH	Akhalkalaki	80.75 314	i P	P	02 25 49.6	+2.0
TIXI	Tiksi	80.90 5	eP	P	02 25 46.6	-0.8
TIXI	comp-Z,55nm,0.7s,baz=164,slow=4.7,SNR=48					
TIXI	Tiksi	80.90 5	eP	P	02 25 45.8	-1.6
TIXI	comp-Z,54nm,0.7s					
TIXI	Tiksi	80.90 5	eP	P	02 25 46.8	-0.6
EATA	Eleskirt	80.95 313	i P	P	02 25 50.0	+1.2
EATA	comp-Z,236nm,0.4s			IAML_P		
ZEI	Tsey	80.95 316	eP	P	02 25 48.0	-0.6
ZEI	comp-Z,51nm,0.5s			ePP		
ZEI	Tsey		eS	P	02 26 09.5	-0.1
ZEI	Tsey		eS	P	02 35 49.8	-1.9
QSPA	South Pole Qui	81.26 180	eP	P	02 25 50.4	+0.6
MUSM	Mu-Merkez	81.30 311	i P	P	02 25 51.6	+1.2
MUSM	comp-Z,22nm,0.3s			IAML_P		
EPOS	Posof	81.32 314	i P	P	02 25 52.7	+2.1
NCK	Nalchik	81.41 316	i P	P	02 25 53.0	+2.2
HOMI	Horasan	81.43 313	i P	P	02 25 53.3	+2.0
HOMI	comp-Z,92nm,0.4s			IAML_P		
VRTB	Varto-Mus	81.48 312	i P	P	02 25 54.7	+3.2
DAGI	Agillar	81.76 314	i P	P	02 25 53.8	+1.0
DAGI	comp-Z,118nm,0.5s			IAML_P		
DBAD	Bademkaya	81.90 314	i P	P	02 25 55.2	+1.7
DBAD	comp-Z,642nm,0.6s			IAML_P		
NEY	Neytrino	81.92 316	i P	P	02 25 54.8	+1.1
NEY	comp-Z,6.0nm,0.8s			Pmax		
KBZ	Khabaz	81.96 316	P	P	02 25 54.2	+0.5
DBOC	Borcka	82.03 314	i P	P	02 25 54.6	+0.5
DBOC	comp-Z,94nm,0.5s			IAML_P		
BCA	Borcka	82.09 314	i P	P	02 25 55.0	+0.6
BATM	Batum	82.09 314	i P	P	02 25 55.2	+0.8
KIV	Kislovodsk	82.19 317	eP	P	02 25 55.3	+0.3
KIV	Kislovodsk	82.19 317	i P	P	02 25 56.5	+1.6
KIV	Kislovodsk	82.19 317	eP	P	02 25 55.0	0.0
KIV	Kislovodsk		eS	P	02 36 04.5	+0.5
KIV	comp-Z,585nm,4.6s			Pmax		
KIV	Kislovodsk	82.19 317	P	P	02 25 55.6	+0.7
KIV	comp-Z,44nm,1.0s			Pmax		
MBAR	Mbarara	82.28 271	eP	P	02 25 57.8	+1.6
MBAR	comp-Z,34nm,1.0s			Pmax		
MBAR	Mbarara	82.28 271	eP	P	02 25 57.8	+1.6
MBAR	comp-Z,34nm,1.0s			Pmax		
GOF	Gofitskoye	82.33 318	eP	P	02 25 55.8	+0.2
GOF	comp-Z,35nm,1.0s			Pmax		
KOPT	Kop Dag	82.45 312	i P	P	02 25 58.6	+2.0
KOPT	comp-Z,354nm,0.7s			IAML_P		
LSZ	Lusaka	82.79 256	eP	P	02 25 59.1	+0.4
LSZ	comp-Z,32nm,0.8s			Pmax		
LSZ	Lusaka	82.79 256	eP	P	02 25 59.2	+0.4
LSZ	comp-Z,31nm,0.8s			Pmax		
EUZM	Uzumulu	82.94 312	i P	P	02 26 01.3	+2.2
EUZM	comp-Z,199nm,0.2s			IAML_P		
KELT	Kelkit	83.40 312	i P	P	02 26 03.1	+1.6
KELT	comp-Z,510nm,0.7s			IAML_P		
JDRJ	Darawesh	83.70 302	P	P	02 26 04.2	+1.0
KEMA	Kemaliye	83.70 311	i P	P	02 26 04.8	+1.9
KEMA	comp-Z,955nm,0.7s			IAML_P		
AKCD	Acadag	83.86 310	i P	P	02 26 05.7	+1.9
AKCD	comp-Z,677nm,0.3s			IAML_P		
BOSA	Boshof	83.93 242	P	P	02 26 05.6	+1.2
BOSA	comp-Z,5.8nm,0.4s,baz=102,slow=4.1,SNR=29			LR		
BOSA	Boshof	83.93 242	eP	P	02 26 05.1	+0.7
BOSA	comp-Z,34nm,1.0s			Pmax		
AQBJ	Aqaba	83.98 301	P	P	02 26 05.9	+1.5
HRFI	Mount Harif	84.07 301	P	P	02 26 06.1	+1.2
SOC	Sochi	84.10 316	i P	P	02 26 04.3	-0.4
SOC	comp-Z,23.9nm,1.8s			ePP		
SOC	Sochi		eS	P	02 26 23.9	-1.8
SOC	Sochi		eS	P	02 26 33.8	-1.0
SOC	Sochi		eS	P	02 31 10.8	
SOC	Sochi		eS	P	02 36 18.7	-2.4
SOC	Sochi		eSS	P	02 41 57.3	+3.5
SOC	Sochi		eSSS	P	02 45 26.7	
SOC	comp-Z,26nm,0.9s			Pmax		

SUSE	Susehri	84.19 312	i P	P	02 26 07.1	+1.6
SUSE	comp-Z,24nm,0.5s			IAML_P		
CUZAR	Zara SIVAS	84.41 312	i P	P	02 26 08.5	+1.9
CUR	Gurin SIVAS	84.47 310	i P	P	02 26 09.9	+3.0
CUKAN	Gurin SIVAS	84.48 311	i P	P	02 26 08.9	+1.9
AMAZ	Amatziya	84.52 303	P	P	02 26 07.5	+0.4
KZIT	Kziot	84.81 302	P	P	02 26 09.9	+1.3
CUALT	Altinyayla-SIV	85.00 311	i P	P	02 26 11.3	+1.7
BILL	Bilibino	85.25 18	eP	P	02 26 09.4	-0.6
BILL	comp-Z,6.0nm,0.8s			ePPP		
BILL	Bilibino			ePmax		
BILL	comp-Z,479nm,19.0s			MLR		
ERBA	Erbas	85.38 312	i P	P	02 26 13.9	+2.6
ERBA	comp-Z,96nm,0.1s			IAML_P		
CUSAR	Sarkisla-SIVAS	85.42 311	i P	P	02 26 09.5	-2.2
TOKA	Tokat	85.49 312	i P	P	02 26 13.9	+2.1
TOKA	comp-Z,764nm,0.8s			IAML_P		
ANN	Anapa	86.03 316	eP	P	02 26 11.3	-3.0
ANN	Anapa		ePP	P	02 26 34.1	-1.3
ANN	Anapa		ePPP	P	02 32 47.9	
ANN	Anapa		eS	SKSac	02 36 28.4	-4.9
ANN	Anapa		eS	SS	02 42 17.7	-4.3
ANN	Anapa		ePmax	Pmax		
CSS	Mathiasis	86.60 306	P	P	02 26 18.6	+1.2
VORD	Divnogorie	86.66 323	eP	P	02 26 16.6	-0.6
VORD	comp-Z,50nm,1.6s			Pmax		
DIKM	Dikmen	86.72 313	i P	P	02 26 19.3	+1.5
VSR	Storozhevo	86.81 323	eP	P	02 26 16.9	-1.1
VSR	comp-Z,90nm,1.1s			Pmax		
VORR	Voronezh	86.93 323	eP	P	02 26 18.0	-0.5
VORR	comp-Z,300nm,2.2s			Pmax		
PRGR	Pernogore	87.19 334	i P	P	02 26 18.8	-0.8
PRGR	Pernogore		iPP	P	02 26 39.8	-0.9
PRGR	Pernogore		eS	SKSac	02 36 38.0	-1.7
PRGR	Pernogore		ePmax	Pmax		
LPSR	Galich'ya Gora	87.38 324	eP	P	02 26 20.0	-0.7
LPSR	comp-Z,70nm,0.8s			Pmax		
BRTR	Keskin Array B	87.45 311	P	P	02 26 21.4	-0.1
BRTR	comp-Z,24nm,0.8s,baz=139,slow=6.5,SNR=82			PKKPbc		
BRTR	Keskin Array S	87.45 311	P	P	02 26 21.4	-0.1
BRTR	comp-Z,0.3nm,0.5s,baz=169,slow=0.7,SNR=4.3			PKKPbc		
BRTR	Keskin Array S	87.45 311	P	P	02 26 21.4	-0.1
BZK	Bozkurt	87.71 313	i P	P	02 26 23.1	+0.6
ANTO	Ankara	88.12 311	i P	P	02 26 24.6	-0.1
ANTO	comp-Z,21nm,0.8s			Pmax		
ANTO	Ankara	88.12 311	i P	P	02 26 25.2	+0.5
ANTO	Ankara	88.12 311	i P	P	02 26 25.2	+0.5
ANTO	Ankara	88.12 311	i P	P	02 26 24.9	+0.3
SIM	Sinmeropol'	88.34 316	eP	P	02 26 25.6	+0.1
SIM	comp-Z,15nm,1.0s			eS		
SIM	Sinmeropol'			eS		
MOS	Moscow	89.05 327	eP	P	02 26 28.0	-0.5
MOS	comp-Z,21nm,0.8s			e		
MOS	Moscow			e		
MOS	Moscow			e		
MOS	Moscow			e		
ISP	Isparta	89.42 308	i P	P	02 26 30.3	-0.6
ISP	comp-Z,5.0nm,0.9s			Pmax		
OBN	Obninsk	89.45 326	eP	P	02 26 30.3	-0.1
OBN	comp-Z,125nm,1.3s			Pmax		
OBN	Obninsk	89.45 326	eP	P	02 26 30.8	+0.4
OBN	Obninsk		ePP	P	02 31 59.5	-1.8
OBN	Obninsk		ePPP	P	02 31 59.5	-1.8
OBN	Obninsk		ePmax	Pmax		
OBN	comp-Z,70nm,1.7s			MLR		
SNA	Sanae	89.62 197	P	P	02 26 32.5	+1.4
SNA	comp-Z,895nm,24.0s			P		
SNA	Sanae	89.62 197	P	P	02 26 32.4	+1.3
SNA	comp-Z,22nm,0.9s,baz=102,slow=3.5,SNR=85			P		
SNA	Sanae	89.62 197	eP	P	02 26 32.4	+1.3
SNA	comp-Z,40nm,1.0s			P		
SNA	Sanae	89.62 197	eP	P	02 26 30.6	+0.2
SNA	Sanae	89.62 197	i P	P	02 26 32.5	+1.4
VNA1	Neumayer-Stat	91.66 197	P	P	02 26 42.0	+1.5
VNA3	Neumayer Olymp	91.72 196	P	P	02 26 42.0	+1.2
TIRR	Tirgusor	92.22 314	i P	P	02 26 43.6	0.0
TIRR	Tirgusor	92.22 314	i P	P	02 26 43.6	0.0
TSUM	Tsumeb	92.25 250	LR	LR	03 01 44.6	
TLB	Topalu	92.50 315	i P	P	02 26 45.1	+0.2
TLB	Topalu	92.50 315	i P	P	02 26 45.1	+0.2
CFR	Carcalui	92.54 315	i P	P	02 26 44.8	-0.2
CFR	Carcalui	92.54 315	i P	P	02 26 44.8	-0.2
AKAS	Malin Array Be	92.78 321	P	P	02 26 45.0	-0.9
AKAS	comp-Z,8.9nm,0.8s,baz=82,slow=4.6,SNR=26			P		
AKAS	comp-Z,1.5nm,0.7s,baz=83,slow=6.7,SNR=4.7			P		
TBI	Tubuai	93.41 114	eS	S	02 37 51.0	-0.5
TBI	comp-Z,436nm,39.8s			S		

MURC	Murrieta	127.67	54	P	PKIKP	02 32 40.6 +0.8
SHOC	Shoshone, Teco	127.70	51	P	PKIKP	02 32 40.7 +0.9
TUQ	Turquoise Moun	128.12	52	P	PKIKP	02 32 41.5 +0.7
PFO	Pinyon Flats O	128.25	54	PKP	PKIKP	02 32 41.8 +0.7
PFO	Pinyon Flats O	128.25	54	ePKP	PKIKP	02 32 42.1 +1.0
PFO	Pinyon Flats O	128.25	54	ePKP	PKIKP	02 34 43.4 -1.8
PFO	Pinyon Flats O	128.25	54	ePKIKP	PKIKP	02 32 42.1 +1.0
PFO	Pinyon Flats O	128.25	54	e	PKIKP	02 34 43.4
PFO	Pinyon Flats O	128.25	54	e	PKIKP	02 34 43.1 +0.6
SHRP	Sheep Range	128.35	50	ePKP	PKIKP	02 32 43.0 +1.7
MONP2	Monument Peak	128.49	55	P	PKIKP	02 32 42.7 +1.0
BELC	Belle Mtn. Jos	128.50	53	P	PKIKP	02 32 42.9 +1.3
GMRC	Granite Mounta	128.53	52	P	PKIKP	02 32 42.6 +1.0
RLMT	Red Lodge	128.63	38	P	PKIKP	02 32 41.9 +0.3
DUG	Dugway, Tooele	128.65	45	P	PKIKP	02 32 42.2 +0.5
IKP	In-Ko-Pah, Jac	128.81	55	P	PKIKP	02 32 42.2 +0.5
BC3	Big Chuckwall	129.04	54	P	PKIKP	02 32 43.0 +0.4
IRM	Iron Mountain	129.13	53	P	PKIKP	02 32 43.2 +0.5
LAO	LASA Array	129.53	34	P	PKIKP	02 32 43.8 +0.7
DGMT	Dagmar	129.53	31	P	PKP	02 32 43.5 +0.2
BW06	Boulder Array	129.65	40	P	PKIKP	02 32 43.9 +0.1
PDAR	Pinedale Array	129.65	40	PKP	PKP	02 32 43.0 0.0
PDAR	comp=Z, 0.8nm, 0.5s, baz=225, slow=0.3, SNR=7.0	129.65	40	SKP	SKP	02 35 57.2 -0.4
GLA	Glamis	129.72	54	P	PKIKP	02 32 44.5 +0.6
Y12C	Blythe	129.75	53	P	PKIKP	02 32 44.6 +0.8
PLCA	Paso Flores	130.67	176	PKP	PKIKP	02 32 46.2 +0.5
PLCA	comp=Z, 1.8nm, 0.6s, baz=250, slow=2.0, SNR=5.3	130.67	176	SKP	SKP	02 36 03.4 +1.4
KWAZ	Wupatki	131.57	50	P	PKIKP	02 32 48.0 +0.2
U2A2	Casper	131.62	39	P	PKIKP	02 32 47.7 +0.1
214A	Organ Pipe Nat	131.68	55	P	PKIKP	02 32 47.9 0.0
O20A	White River Ci	131.80	43	P	PKIKP	02 32 48.3 +0.2
ULM	Lac du Bonnet	132.16	25	PKP	PKIKP	02 32 48.0 -0.2
ULM	comp=Z, 3.9nm, 0.6s, baz=329, slow=2.4, SNR=9.5	132.16	25	SKP	SKP	02 36 06.8 +0.1
MDND	Madcock	132.24	29	P	PKIKP	02 32 49.0 +0.5
RSSD	Black Hills	132.28	36	ePKP	PKIKP	02 32 48.9 -0.1
RSSD	Black Hills	132.28	36	ePKIKP	PKIKP	02 32 48.9 -0.1
RSSD	Black Hills	132.28	36	P	PKIKP	02 32 48.8 -0.2
N23A	Red Feather La	132.93	41	P	PKIKP	02 32 50.3 -0.2
W18A	Petrified Fore	132.95	49	P	PKIKP	02 32 50.8 +0.2
MVCO	Mesa Verde	132.98	46	P	PKIKP	02 32 51.0 +0.3
TUC	Tucson	133.19	54	P	PKIKP	02 32 51.1 +0.1
TRQA	Tornquist	133.22	185	ePKP	PKP	02 32 50.1 +0.4
TRQA	Tornquist	133.22	185	ePKIKP	PKP	02 32 50.1 +0.4
AGCM	Agassiz Array	133.65	26	P	PKIKP	02 32 52.2 +0.8
ISCO	Idaho Springs	133.72	42	P	PKIKP	02 32 51.7 -0.4
S22A	4UR Ranch, Cre	133.91	45	P	PKIKP	02 32 52.3 -0.2
SCHO	Schefferville	134.02	360	PKP	PKIKP	02 32 52.0 +0.1
SCHO	comp=Z, 7.0nm, 0.5s, baz=360, slow=5.7, SNR=4.3	134.02	360	SKP	SKP	02 36 14.0 +1.1
Q24C	Divide	134.46	42	P	PKP	02 32 52.6 +0.4
SDCO	Great Sand Dun	134.43	44	P	PKIKP	02 32 54.0 -0.5
121A	Cookes Peak, D	135.46	52	P	PKIKP	02 32 55.6 -0.1
TASM	ASL Pad, Albuq	135.47	48	P	PKIKP	02 32 55.5 -0.2
TASM	ASL Pad, Albuq	135.47	48	P	PKIKP	02 32 55.6 -0.2
ANMO	Albuquerque	135.47	48	PKP	PKIKP	02 32 55.3 -0.4
ANMO	Albuquerque	135.47	48	ePKP	PKP	02 32 54.6 +0.5
ANMO	Albuquerque	135.47	48	ePKIKP	PKP	02 32 57.6 +1.9
ANMO	comp=Z, 3.0nm, 1.0s	135.47	48	PKP	PKP	02 32 55.3 -0.4
Y22D	IRIS P ASSCALI	135.50	49	P	PKIKP	02 32 55.6 -0.1
EYMN	Ely	135.75	24	P	PKIKP	02 32 55.6 0.0
T25A	Trinidad	135.89	44	P	PKIKP	02 32 56.1 -0.4
CFA	Coronel Fontan	139.88	178	PKH	PKP	02 32 54.0 -0.2
CFA	Coronel Fontan	139.88	178	ePKP	PKP	02 32 54.0 -0.2
TXAR	Lajitas Array	139.97	54	PKP	PKP	02 32 54.3
TXAR	comp=Z, 3.0nm, 0.6s, baz=327, slow=2.9, SNR=27	139.97	54	SKP	SKP	02 36 32.8 +1.2
TADO	Tanti	140.09	183	ePKP	PKP	02 33 00.2 -2.5
SADOWA	Sadowa	142.58	14	PKH	PKP	02 33 02.2
YCA	Vinchina	142.73	178	ePKP	PKP	02 33 04.3 -0.3
VCA	Choya	143.03	182	ePKP	PKP	02 33 05.4 +0.5
GBN	Guysoborough	143.16	354	ePKP	PKP	02 33 06.5 -1.0
WHXT	Lake Whitney	143.46	46	PKP	PKP	02 33 06.0 +0.1
AAM	Ann Arbor	143.48	21	P	PKP	02 33 05.6 0.0
N46A	Monticello	143.48	26	P	PKP	02 33 05.4 -0.2
L48A	N Adams	143.51	22	P	PKP	02 33 05.8 0.0
CCM	Cathedral Cave	143.52	33	ePKP	PKP	02 33 05.5 -0.3
CCM	Cathedral Cave	143.52	33	ePKIKP	PKP	02 33 05.5 -0.4
CCM	Cathedral Cave	143.52	33	P	PKP	02 33 05.4 -0.5
PKME	Peaks-Kenny Pk	143.55	3	P	PKP	02 33 05.9 +0.2
M47A	Cromwell	143.55	24	P	PKP	02 33 06.6 -0.3
WLVO	Wesleyville	143.56	14	P	PKP	02 33 06.0 +0.2
O45A	Potomac	143.57	27	P	PKP	02 33 05.7 -0.3
L49A	Milan	143.61	21	P	PKP	02 33 06.1 +0.2
LON2	Lake Ozona	143.64	9	P	PKP	02 33 06.0 0.0
J52A	Paris	143.65	17	P	PKP	02 33 05.8 -0.3
SFIN	Lafayette	143.75	26	P	PKP	02 33 06.4 0.0
G003	Copiap	143.75	175	P	PKP	02 33 07.8 +0.8
833A	Chaparral WMA	143.80	53	P	PKP	02 33 07.4 +0.4
M48A	Edgerton	143.80	23	P	PKP	02 33 06.6 0.0
U40A	Yellville	143.81	37	P	PKP	02 33 06.5 -0.3
K51A	Iona Station	143.82	18	P	PKP	02 33 06.8 +0.2
PECO	Prince Edward	143.86	12	P	PKP	02 33 06.5 -0.2
CPUP	Villa Florida	143.91	195	PKP	PKP	02 33 08.5 -1.0
N47A	Urbana	143.93	24	P	PKP	02 33 06.8 -0.1

TYNO	Tyneside	143.95	16	P	PKP	02 33 07.3 +0.3
K52A	Tillsonburg	144.00	17	P	PKP	02 33 07.0 -0.2
L50A	Kimberlyville	144.00	20	P	PKP	02 33 07.0 -0.2
435B	Jarrell	144.00	48	P	PKP	02 33 07.7 +0.1
W39A	Magazine	144.02	39	P	PKP	02 33 07.4 0.0
STCO	Saint Catharin	144.03	15	P	PKP	02 33 07.3 +0.1
M49A	Liberty Center	144.09	22	P	PKP	02 33 07.6 +0.1
J54A	Appleton	144.11	15	P	PKP	02 33 07.2 -0.2
P45A	Graceland, Par	144.15	28	P	PKP	02 33 07.7 +0.1
N48A	Decatur	144.21	24	P	PKP	02 33 07.9 +0.1
MEDO	Medina	144.26	14	P	PKP	02 33 08.1 +0.2
O47A	Sheridan	144.27	26	P	PKP	02 33 08.1 0.0
J55A	Hilton	144.31	14	P	PKP	02 33 07.9 -0.2
P46A	Rosedale	144.32	27	P	PKP	02 33 08.5 +0.0
PLIO	Pelee Island,	144.32	20	P	PKP	02 33 07.8 0.0
LBNH	Lisbon	144.37	6	P	PKP	02 33 09.1 -0.6
Q45A	Warren Harvey,	144.45	29	P	PKP	02 33 09.0 +0.3
M50A	Fremont	144.49	21	P	PKP	02 33 08.8 +0.1
N49A	Columbus Grove	144.49	23	P	PKP	02 33 08.9 +0.2
MIAR	Mount Ida	144.57	40	P	PKP	02 33 09.5 +0.4
AHML	Horco Molle	144.66	183	i/P	PKP	02 33 10.9 0.0
AHML	Horco Molle	144.66	183	i/P	PKP	02 33 11.1 +1.3
O48A	Farmland	144.67	24	P	PKP	02 33 09.4 +0.1
K54A	Basilio Farm,	144.72	15	P	PKP	02 33 09.7 +0.3
M65A	CEJHS Indians,	144.73	28	P	PKP	02 33 09.7 +0.2
K55A	Perry	144.76	14	P	PKP	02 33 09.8 +0.2
S44A	Carbondale	144.81	31	P	PKP	02 33 09.9 0.0
P47A	Martinsville	144.84	26	P	PKP	02 33 10.1 +0.2
M51A	Clay	144.85	20	P	PKP	02 33 09.7 -0.1
R45A	Skyler, Fairri	144.87	30	P	PKP	02 33 10.5 -0.3
L53A	Girard	144.90	17	P	PKP	02 33 10.4 -0.3
L54A	Sinclairville	144.91	16	P	PKP	02 33 10.5 -0.3
M52A	Chesterland	144.94	19	P	PKP	02 33 10.7 -0.1
W41B	Gary Mavity, V	144.97	38	P	PKP	02 33 10.4 -0.1
N50A	Nevada	145.01	22	P	PKP	02 33 11.0 0.0
O49A	Covington	145.06	24	P	PKP	02 33 10.9 -0.1
X40A	Basin Creek Fa	145.07	39	P	PKP	02 33 10.9 +0.1
LNIG	Northgate	145.13	59	ePKP	PKP	02 33 11.7 +0.1
N51A	Ashland	145.15	21	P	PKP	02 33 10.9 0.0
L55A	Hinsdale	145.19	15	P	PKP	02 33 11.4 +0.1
Q47A	Bedford North L	145.22	27	P	PKP	02 33 11.4 +0.1
P48A	Milroy	145.23	25	P	PKP	02 33 11.2 0.0
M53A	W Miller and	145.24	18	P	PKP	02 33 11.5 +0.2
R46A	Gibson Southern	145.30	29	P	PKP	02 33 11.8 +0.3
FSA	Catayete	145.35	182	i/P	PKP	02 33 13.7 +1.4
O50A	Divide	145.37	23	P	PKP	02 33 12.0 +0.2
P49A	Miami Univ. Ec	145.46	25	P	PKP	02 33 12.2 0.0
M54A	Oil Creek Stat	145.48	17	P	PKP	02 33 12.3 +0.2
N52A	McGinn's Farm,	145.48	20	P	PKP	02 33 12.1 0.0
ACSO	Alum Creek Sta	145.54	22	P	PKP	02 33 12.5 +0.2
Q48A	North Vernon	145.54	26	P	PKP	02 33 12.6 +0.1
NATX	Nacogdoches	145.56	44	P	PKP	02 33 13.3 +0.6
X46A	Don Dixon Farm	145.62	30	P	PKP	02 33 12.6 -0.1
T45A	Paduach	145.66	32	P	PKP	02 33 12.7 -0.2
R47A	Wool Knot Far	145.70	28	P	PKP	02 33 12.9 -0.2
HKT	Hockley	145.73	48	ePKP	PKP	02 33 14.5 +1.2
BNY	Binghamton	145.73	12	P	PKP	02 33 13.3 +0.2
O51A	Pataaskala	145.75	22	P	PKP	02 33 13.4 +0.2
N53A	Lisbon	145.76	19	P	PKP	02 33 13.2 0.0
M55A	Ridgely	145.77	16	P	PKP	02 33 13.3 0.0
P50A	Westport	145.77	23	P	PKP	02 33 13.1 -0.1
RCBR	Riachuelo	145.81	246	PKP	PKP	02 33 15.1 +0.9
RCBR	Riachuelo	145.81	246	ePKP	PKP	02 33 13.9 +0.2
Q49A	Aurora	145.84	25	P	PKP	02 33 13.4 -0.1
WCI	Wyandotte	145.86	28	ePKP	PKP	02 33 13.5 -0.2
WCI	Wyandotte	145.86	28	ePKP	PKP	02 33 13.5 -0.2
WCI	Wyandotte Cave	145.86	28	P	PKP	02 33 13.7 0.0
Z41A	Richland Creek	145.89	41	P	PKP	02 33 14.1 +0.2
N54A	Moraine State	145.89	18	P	PKP	02 33 13.7 0.0
M56A	Emporium	145.91	15	P	PKP	02 33 13.6 -0.1
R48A	Northridge Ran	145.91	27	P	PKP	02 33 14.0 +0.1
T46A	Princeton	146.03	31	P	PKP	02 33 14.4 +0.1
O52A	Adamsville	146.05	21	P	PKP	02 33 14.0 +0.3
S47A	Hartford	146.20	29	P	PKP	02 33 13.8 -0.1
HRV	Adam Dzielowski	146.12	6	ePKP	PKP	02 33 14.5 +0.1
HRV	Adam Dzielowski	146.12	6	ePKP	PKP	02 33 14.5 +0.1
HRV	Adam Dzielowski	146.12	6	P	PKP	02 33 14.2 -0.3
O53A	New Philadelphia	146.15	20	P	PKP	02 33 14.5 -0.1
P51A	Williamsport	146.16	23	P	PKP	02 33 14.1 +0.1
X43A	Marvell	1				

1-155.00000°. Principal axes: T 5.1750, P1g39.0000°, Azm38.0000°; N -0.5680, P1g10.0000°, Azm137.0000°; P -4.6020, P1g49.0000°, Azm239.0000°; nsta1 refer to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
 SNET 08 02:52:43.6±1.0, 13.14N:89.38W, h61km,9km,ML5.9, MW6.1
 IDC 08 02:52:44.0±0.7, 13.55N:88.80W, h67km,5km,mb4.9/35, mb1 5.0/37, mb1mx5.0/38, mbtmp5.2/37, MS4.8/21, Ms1 4.9/21, ms1mx4.8/25, Error ellipse: s-maj=11.5km s-min=6.1km az=50.0
 ISCJB 08 02:52:46.0±0.2, 13.22N:01.89, 15W:0.02 h113km,2km, mb5.2/182, Error ellipse: s-maj=3.2km s-min=1.9km az=142.5
 BUJ 08 02:52:46.5±0.0, 13.40N:89.10W, h100km, mb5.3/28
 MOS 08 02:52:46.5±1.1, 13.53N:88.83W, h103km, mb5.3/62, Error ellipse: s-maj=6.7km s-min=4.7km az=75.8
 NEIC 08 02:52:47.0±0.0, 13.36N:89.18W, h45km, Moment Tensor Solution. s16 Moment tensor: Scale 10¹⁷Nm; Mr=2.26; Mw=2.30; Mv=0.04; Mn=1.88; Mv=1.24; Mw=2.22; Best double couple: M=3.90000°x10¹⁷ Np1.334.00000°, 0.71.00000°, -1.72.00000°. NP2:0.91.00000°, 0.26.00000°, -1.130.00000°. Principal axes: T 3.9900, P1g23.0000°, Azm30.0000°; N -0.1900, P1g16.0000°, Azm127.0000°; P -3.8000, P1g60.0000°, Azm249.0000°
 UCR 08 02:53:02.4±0.7, 12.80N:87.90W, h20km,999km, MW4.8
 ISC 08 02:54:24.0±0.4, 13.27N:01.03, 89.24W, 0.03, h77km,2km, h77km;P-P,N1289,16189/1413,mb5.3/195,59C-23D,El

058A	Arcadia	15.38	26	P	P	02 56 18.8	-1.1
060Z	West Palm Beach	15.40	31	P	P	02 56 19.3	-0.7
TUMC	Tumaco	15.41	37	eP	P	02 56 24.4	+0.0
SMLC	San Martin de	15.51	105	eP	Pn	02 56 17.0	-1.8
059A	Moore Haven	15.59	28	eP	Pn	02 56 20.7	+1.2
059A	Moore Haven	15.59	28	P	P	02 56 21.5	-0.7
YOTC	Yotoco, Valle	15.72	125	eP	Pn	02 56 21.7	+0.3
957A	Wimauma	15.75	23	eP	Pn	02 56 22.7	+1.2
957A	Wimauma	15.75	23	P	P	02 56 23.6	-0.3
ZAIG	Zacatecas	15.80	309	eP	P	02 56 24.7	-0.1
CODC	Agustin Codazzi	15.82	100	eP	Pn	02 56 20.4	-2.1
GUVZ	Guyana Caldas	15.85	119	eP	Pn	02 56 23.7	+0.4
958A	Wauchoh	15.86	25	P	P	02 56 25.2	0.0
060A	Indiantown	16.02	30	eP	Pn	02 56 25.2	+0.4
060A	Indiantown	16.02	30	P	P	02 56 27.4	+0.4
PTBC	PUERTO BERRIO,	16.02	113	eP	Pn	02 56 21.7	-3.3
RRFE	El Recreo	16.03	120	eP	Pn	02 56 25.7	-0.1
NORC	Norcasia	16.10	117	eP	Pn	02 56 25.4	+0.2
959A	Okechobe	16.19	28	P	P	02 56 28.9	+0.1
857A	Zephyrhills	16.29	23	P	P	02 56 30.6	+0.7
BBAC	Balboa, Cauca	16.30	132	eP	P	02 56 30.4	0.0
KVXT	Riosal	16.34	332	eP	P	02 56 29.9	-0.7
POPC	Popayan, Colom	16.37	130	eP	Pn	02 56 29.7	0.0
OCAC	Osana	16.41	106	eP	Pn	02 56 29.0	-1.1
DWPF	Disney Wildern	16.46	25	P	P	02 56 32.5	+0.7
858A	St. Cloud	16.58	25	P	P	02 56 32.7	+0.8
859A	Kemper Cattle	16.64	27	P	P	02 56 35.2	+1.4
ORTC	Ortega, Tolima	16.66	123	eP	P	02 56 34.3	+0.2
SOTA	Rioblanco	16.69	130	eP	P	02 56 35.7	+0.7
MAAR	Belalcaza	16.73	127	eP	P	02 56 36.3	+1.1
LGHN	Logne	16.82	70	iP	P	02 56 37.3	+1.5
URIC	Uribia, Colomb	16.91	93	eS	S	03 00 22.3	+35
ROSC	El Rosal	16.93	118	eP	P	02 56 34.3	-1.7
ROSC	El Rosal	16.93	118	eP	P	02 56 39.5	+1.9
ROSC	El Rosal	16.93	118	eP	P	03 01 21.8	+2.1
ROSC	El Rosal	16.93	118	eP	P	03 05 06.2	LR
ROSC	El Rosal	16.93	118	eP	P	02 56 37.7	+0.1
757A	Oxford	16.95	22	P	P	02 56 39.0	+1.7
PRAC	Horsehoe Beac	17.06	123	eP	P	02 56 39.7	+1.0
655A	Horsehoe Beac	17.08	118	P	P	02 56 40.5	+1.8
552A	Lynn Haven	17.17	12	P	P	02 56 42.1	+2.5
656A	Williston	17.18	20	P	P	02 56 42.1	+2.3
BETC	Betania	17.23	126	eP	Pn	02 56 41.7	+1.2
PAMC	Pamploña, Colo	17.30	108	eP	Pn	02 56 39.7	-1.7
758A	Lakeland	17.31	24	P	P	02 56 43.5	+2.4
553A	Crawfordville	17.41	14	P	P	02 56 45.1	+2.8
554A	Perry	17.50	16	P	P	02 56 45.9	+2.6
449A	Pace	17.50	6	P	P	02 56 46.9	+3.6
RUSC	La Rusia	17.52	113	eP	Pn	02 56 43.0	-1.1
CHIC	Chingaza	17.55	118	eP	Pn	02 56 45.0	+0.6
451A	Vernon	17.56	10	P	P	02 56 47.3	+3.3
657A	Interlachen	17.61	22	P	Pn	02 56 47.1	+2.5
450A	Crestview	17.62	8	P	Pn	02 56 48.1	+3.4
HKT	Hockley	17.68	341	eP	Pn	02 56 46.6	+1.2
HKT	Hockley	17.68	341	eP	Pn	02 56 46.6	+1.2
658A	Bunnell	17.69	23	P	Pn	02 56 48.0	+2.5
833A	Chaparral WMA,	17.72	329	P	Pn	02 56 47.0	+1.1
555A	McAlpin	17.74	18	P	Pn	02 56 49.2	+3.0
FLOC	Flores	17.77	130	eP	Pn	02 56 48.3	+1.7
556A	Lake Bur	17.81	20	P	Pn	02 56 49.6	+2.7
557A	Villavicencio,	17.84	119	eP	Pn	02 56 48.3	+0.7
BRAL	Marianna	17.89	11	P	Pn	02 56 51.1	+3.2
452A	Breon	17.93	6	P	Pn	02 56 51.3	+3.0
557A	Orange Park	18.05	21	P	Pn	02 56 52.3	+2.4
453A	Whigham	18.07	14	P	Pn	02 56 53.7	+3.5
349A	Repton	18.09	6	P	Pn	02 56 53.1	+2.8
454A	Quitman	18.11	16	P	Pn	02 56 53.9	+3.3
SDDR	Presa de Saban	18.15	69	iP	P	02 56 52.6	+1.4
350A	Dozier	18.26	8	P	Pn	02 56 54.8	+2.4
455A	Steville	18.31	17	P	Pn	02 56 55.5	+2.5
YOPC	Yopal, Colombi	18.35	114	eP	P	02 56 53.6	-0.2
TAMC	Tame, Arauca	18.47	110	eP	P	02 56 53.0	-1.2
352A	Blakely	18.55	12	P	Pn	02 56 58.3	+2.4
353A	Camilla	18.57	14	P	Pn	02 56 58.6	+2.4
456A	Hilliard	18.60	20	P	Pn	02 56 58.7	+2.2
457A	Yulee	18.66	21	P	Pn	02 56 59.3	+2.0
249A	Camden	18.72	6	P	Pn	02 56 59.8	+1.9
SDV	Santo Domingo	18.77	102	P	P	02 56 57.5	-0.1
SDV	Santo Domingo	18.77	102	P	P	03 01 24.7	+2.2
SDV	Santo Domingo	18.77	102	P	P	02 56 57.9	+0.3
SDV	Santo Domingo	18.77	102	P	P	03 01 25.5	+3.1
SDV	Santo Domingo	18.77	102	P	P	02 56 58.1	+0.5
SC01	Santiago de lo	18.78	69	iP	P	02 57 00.3	+1.8
TAGC	Trifon	18.81	15	eP	P	02 57 01.1	+2.1
250A	Grady	18.82	125	eP	P	02 56 58.3	+0.4
BANI	BANI	18.86	72	iP	P	02 57 01.3	+1.5
VBMS	Vicksburg	18.89	357	P	Pn	02 57 02.2	+2.2
355A	Jarrell	18.92	17	P	Pn	02 57 01.6	+1.3
435B	Parson	18.95	337	P	Pn	02 57 01.5	-0.4
251A	Midway	19.06	10	P	Pn	02 57 03.3	+1.3
NATX	Nacogdoches	19.06	346	P	Pn	02 57 02.6	+0.6
252A	Lumpkin	19.09	12	P	Pn	02 57 03.9	+1.6
356A	Blacksburg	19.12	19	P	Pn	02 57 03.9	+1.3
253A	Americus	19.28	13	P	Pn	02 57 05.4	+0.9
SDD	Santo Domingo	19.28	72	P	P	02 57 05.1	+0.4
147A	Livingston	19.32	2	P	Pn	02 57 06.6	+1.4

PTLC	Puerto Leguiza	19.34	131	eP	Pn	02 57 07.6	+2.1
148A	Greensboro	19.34	4	eP	Pn	02 57 06.6	+1.3
149A	Jones	19.37	6	P	Pn	02 57 06.8	+1.2
254A	Abbeville	19.37	15	P	Pn	02 57 06.5	+0.9
150A	Townsend	19.42	20	P	Pn	02 57 07.1	+0.9
357A	Lakeview	19.47	8	P	Pn	02 57 07.9	+1.1
151A	Opelika	19.50	10	P	Pn	02 57 08.3	+1.1
255A	Hazlehurst	19.58	17	P	Pn	02 57 09.0	+1.0
JCT	Junction City	19.71	332	P	P	02 57 08.5	+1.0
152A	Waverly Hall	19.74	11	P	Pn	02 57 10.8	+0.8
LRAL	Lakeview Retre	19.78	6	ePn	Pn	02 57 11.1	+0.7
256A	Glennville	19.80	19	P	Pn	02 57 11.7	+1.0
153A	Fort Valley	19.91	13	P	Pn	02 57 12.0	+0.7
249A	Columbiana	19.98	7	P	Pn	02 57 13.5	+0.0
154A	Montrose	20.05	15	P	Pn	02 57 13.9	+0.2
257A	Sidway Islan	20.08	21	P	Pn	02 57 14.8	+0.8
WHTX	Lake Whitney,	20.10	339	P	P	02 57 12.9	+1.2
Z50A	Ashland	20.12	8	P	Pn	02 57 14.6	+0.1
Z41A	Richland Creek	20.16	351	P	Pn	02 57 14.6	-0.3
155A	Kathlamet	20.23	17	P	Pn	02 57 16.1	+0.3
Z51A	Franklin	20.29	10	P	Pn	02 57 16.4	-0.1
Z52A	Williamson	20.31	12	P	Pn	02 57 16.4	-0.2
HPIG	Hamlet	20.53	314	eP	Pn	02 57 18.3	-1.2
156A	Sylvania	20.55	19	P	Pn	02 57 19.6	+0.2
Z53A	Monticello	20.58	14	P	Pn	02 57 19.2	-0.6
Y48A	Jasper	20.63	5	P	Pn	02 57 20.1	-0.4
Y49A	Mount Mountai	20.65	7	P	Pn	02 57 20.3	-0.4
Z54A	Sparta	20.71	15	P	Pn	02 57 20.5	-0.9
GOGA	Godfrey	20.73	14	eP	Pn	02 57 20.8	-0.7
GOGA	Godfrey	20.73	14	eP	Pn	02 57 20.8	-0.7
GOGA	Godfrey	20.73	14	eP	Pn	02 57 20.7	-0.8
157A	Early Branch	20.73	20	P	Pn	02 57 21.9	+0.3
Y50A	Piedmont	20.77	8	P	Pn	02 57 21.1	-0.9
TXAR	Lajitas Array	20.85	322	P	Pn	02 57 21.7	-1.4
TXAR	Lajitas Array	20.85	322	P	Pn	02 57 21.7	-1.4
TXAR	Lajitas Array	20.85	322	P	Pn	03 01 27.6	+1.7
TXAR	Lajitas Array	20.85	322	P	Pn	03 04 58.5	+2.6
TXAR	Lajitas Array	20.85	322	P	Pn	03 09 13.3	-0.4
Y51A	Rockmart	20.88	10	P	Pn	02 57 22.6	-0.8
Z55A	Blythe	20.89	17	P	Pn	02 57 22.6	-0.8
Y52A	Litton	21.03	12	P	Pn	02 57 24.1	+2.4
158A	Hollywood	21.07	22	P	Pn	02 57 25.0	+2.9
Y53A	Basin Creek Fa	21.13	13	P	Pn	02 57 24.7	+1.9
OXF	Oxford	21.15	360	P	P	02 57 25.1	+2.1
X48A	Hartselle	21.18	5	P	Pn	02 57 25.2	+1.9
X47A	Russellville	21.19	3	P	Pn	02 57 25.5	+2.0
X46A	Booneville	21.20	1	P	Pn	02 57 25.7	+2.2
X43A	Marvell	21.20	356	P	P	02 57 25.8	+2.2
Z56A	Williston	21.21	18	P	Pn	02 57 26.2	+2.6
X49A	Woodville	21.31	7	P	Pn	02 57 26.7	+2.0
X50B	Fort Payne	21.34	8	P	Pn	02 57 26.9	+1.8
Y54A	Tignal	21.34	15	P	Pn	02 57 26.9	+1.8
X40A	Basin Creek Fa	21.37	352	P	Pn	02 57 26.8	+1.5
Z57A	Bowman	21.40	20	P	Pn	02 57 28.1	+2.5
ABTX	Abilene, Hawle	21.49	335	eP	P	02 57 26.9	+0.2
ABTX	Abilene, Hawle	21.49	335	eP	P	02 57 27.0	+0.3
MIAR	Mount Ida	21.54	350	eP	P	02 57 28.3	+1.1
MIAR	Mount Ida	21.54	350	eP	P	02 57 28.3	+1.1
MIAR	Mount Ida	21.54	350	eP	P	02 57	

8d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SPPA Standing Stone, M53A WI Miller and, BGNE Belgrade, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MONP2 Monument Peak, BRCO Bruce Peninsula, BAR Barrett, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PASC PASC, G55A Calabogie, E48A Lockey, etc.

HLID	Hailey	37.14	329	P	P	02 59 48.7	+1.0
DGMT	Dagmar	37.23	344	P	P	02 59 49.5	+1.3
ULM	Lac de Bonnet	37.27	353	P	P	02 59 47.7	-0.8
ULM	comp=Z,5.9nm,0.8s,baz=283,slow=22,SNR=1.8			S	S	03 05 26.8	-3.3
ULM	comp=Z,9.2nm,0.5s,baz=216,slow=3.3,SNR=6.4			LR	LR	03 17 04.5	
BOZ	Bozeman (W)	37.39	334	P	P	02 59 51.2	+1.4
MATO	Matagami	37.61	12	P	P	02 59 51.2	-0.2
AFDM	Forest Hills D	37.95	318	eP	P	02 59 55.8	+1.3
AFDM	comp=Z,26nm,1.3s			eP	P	03 02 09.7	+0.7
PB11	IPOC Station P	38.07	149	eP	P	02 59 57.2	+1.5
PB11	comp=Z,291nm,1.7s			eP	P	03 02 11.5	+1.8
CHGQ	Chibougama	38.51	15	P	P	02 59 58.5	-0.5
EGMT	Eagleton	38.63	338	P	P	03 00 01.1	+1.1
O03E	Paynes Creek	39.23	319	P	P	03 00 05.7	+0.4
MSO	Missoula	39.36	333	P	P	03 00 06.9	+0.6
O02D	Mt. Diablo Mer	39.80	319	P	P	03 00 11.0	+1.0
WDC	Whiskeytown Da	39.86	319	eP	P	03 00 09.5	-0.8
WDC	Whiskeytown Da	39.86	319	eP	P	03 02 14.9	-0.8
WDC	comp=Z,57nm,1.8s			eP	P	03 00 12.9	+0.4
M04C	Macdoel	40.10	321	P	P	03 00 13.4	+0.4
I07A	Izee	40.17	326	eP	P	03 00 13.2	+0.1
N02D	Trinity Center	40.18	320	P	P	03 00 16.8	+1.7
KMRM	Mail Ridge	40.42	318	eP	P	03 00 15.9	+0.1
M02C	Callahan	40.51	320	P	P	03 00 16.0	-0.6
YBH	Yreka Blue Hor	40.61	321	P	P	03 02 17.5	+0.1
YBH	comp=Z,2.7nm,0.6s,baz=111,slow=4.7,SNR=20			P	P	03 06 02.2	+2.1
YBH	comp=Z,8.8nm,0.8s,baz=86,slow=5.8,SNR=6.7			P	P	03 00 16.1	-0.6
YBH	comp=Z,3.1nm,0.6s,baz=167,slow=4.0,SNR=4.5			P	P	03 00 16.1	-0.6
YBH	comp=Z,2.1nm,1.4s			P	P	03 00 16.1	-0.6
YBH	comp=Z,2.1nm,1.4s			P	P	03 00 17.6	+0.7
J05D	Fort Rock, OR	40.64	324	P	P	03 00 17.3	+0.4
L04D	Klamath Falls	40.64	322	P	P	03 00 17.7	+0.5
G08A	Pilot Rock	40.67	328	eP	P	03 00 20.0	+1.8
KHMM	Horse Mountain	40.78	319	eP	P	03 00 20.6	+1.5
LVC	Limon Verde	40.85	151	eP	P	03 00 20.6	+1.5
LVC	Limon Verde	40.85	151	eP	P	03 00 17.7	-1.9
CLDB	Colider	40.95	124	eP	P	03 00 21.2	+0.2
J04D	Umpqua National	41.12	323	P	P	03 00 23.2	+0.5
I05D	Terrebonne, OR	41.35	325	P	P	03 00 23.2	+0.2
L02E	Cave Junction	41.40	321	P	P	03 00 24.7	-0.2
I04A	Tendick Farm,	41.63	323	P	P	03 00 25.7	-0.2
K02D	Willamette Mer	41.74	321	P	P	03 00 26.6	+1.5
NEW	Newport	41.86	332	P	P	03 00 27.8	+0.7
G05D	Wamic, OR	41.90	326	P	P	03 00 29.4	+0.6
I03D	Drain, OR	42.12	323	P	P	03 00 29.3	+0.1
J01E	Myrtle Point	42.16	322	P	P	03 00 29.6	-0.3
H04D	Lebanon	42.39	326	P	P	03 00 32.0	+0.9
F05D	White Salmon	42.39	326	P	P	03 00 32.7	+0.5
FFC	Flin Flon	42.55	349	eP	P	03 00 32.4	+0.2
I02D	Swisshome	42.65	323	P	P	03 00 34.0	+0.0
G03D	McMinnville, O	42.97	325	P	P	03 00 36.1	+0.4
HJA	Humahuaia	43.11	147	eP	P	03 00 39.8	+0.0
F04D	Rainier, OR	43.36	326	P	P	03 00 39.4	0.0
E04D	Cinebar	43.41	327	P	P	03 00 40.0	+2.6
C06D	Leavenworth	43.43	329	P	P	03 00 48.0	+2.6
AZAP	Zapla	44.12	148	eP	P	03 01 14.1	
AZAP	comp=Z,13nm,0.5s			P	P	03 00 45.1	-0.9
B05A	Bryant	44.26	329	P	P	03 00 46.2	-0.2
B03D	Eldon	44.30	327	P	P	03 00 45.7	-1.1
DRLN	Deer Lake	44.36	30	eP	P	03 00 51.7	+2.4
RPN	Rapa Nui	44.65	206	P	P	03 00 50.4	+1.1
RPN	comp=Z,223nm,1.2s,baz=358,slow=5.2,SNR=11			P	P	03 00 50.5	-0.3
A04D	Lummi Island	44.86	329	P	P	03 00 51.2	-0.7
SCHO	Schefferville	45.02	18	P	P	03 02 30.9	-0.9
SCHO	comp=Z,14nm,0.3s,baz=230,slow=2.7,SNR=9.1			LR	LR	03 19 12.2	
FSA	Cafayete	46.84	116	eP	P	03 01 54.3	+0.2
AHML	Horco Molle	46.09	150	eP	P	03 01 03.8	+2.7
VCA	Vinchina	46.45	154	eP	P	03 01 04.8	+1.1
VCA	comp=Z,9.6nm,0.5s			P	P	03 01 05.0	-1.9
SMTB	Santa Maria do	47.64	116	eP	P	03 01 08.4	+0.2
AQDIE	Aquidauana	47.70	120	eP	P	03 01 22.0	2.0
PEXB	Peixe	48.16	120	eP	P	03 01 24.1	+1.1
CFA	Coronel Fontan	48.96	156	eP	P	03 01 29.3	-1.0
BDFB	Brasilia	49.88	124	eP	P	03 02 56.1	+1.7
BDFB	comp=Z,24nm,0.6s,baz=302,slow=7.4,SNR=46			LR	LR	03 26 33.4	
BDFB	comp=Z,29nm,0.9s,baz=358,slow=4.1,SNR=4.7			LR	LR	03 01 29.1	-1.2
BDFB	comp=Z,187nm,1.6s			P	P	03 02 51.3	+1.4
CPUP	Villa Florida	50.12	142	P	P	03 01 31.8	-0.1
CMAR	Villa Florida	50.12	142	P	P	03 01 32.2	+0.3
ITRB	Iturama	50.38	130	eP	P	03 01 35.9	-0.5
TRCB	Terra Rica	50.70	135	eP	P	03 01 36.2	-0.3
GO05	Huala	50.75	162	eP	P	03 01 48.5	-0.3
PTKG	Pitanga	52.36	135	eP	P	03 01 47.8	-0.3
YKA	Yellowknife Ar	52.37	346	P	P	03 02 57.4	-0.7
YKA	comp=Z,12nm,0.8s,baz=144,slow=4.1,SNR=4.0			P	P	03 06 47.9	-0.6
YKA	comp=Z,2.0nm,0.6s,baz=146,slow=4.4,SNR=6.0			LR	LR	03 27 16.4	
YKA	comp=Z,198nm,20.6s,baz=144,slow=40			P	P	03 32 21.1	+1.2

FRB	Frobisher Bay	52.45	11	P	P	03 01 47.7	-1.1
FRB	comp=Z,1.71nm,0.6s,baz=216,slow=11,SNR=158			P	P	03 01 50.0	-0.3
BB19B	Bebedouro	52.57	130	eP	P	03 01 51.9	-0.2
PMNS	Parque De Minas	52.72	126	eP	P	03 01 56.0	+1.0
FRBT	Furtura	53.21	133	eP	P	03 02 01.5	-0.2
RCLB	Rio Claro- Sao	54.12	131	eP	P	03 02 07.0	-0.2
SPB	Sao Paulo	54.90	132	eP	P	03 02 08.4	-0.5
NBPA	Parau- Riu	55.13	107	eP	S	03 09 39.8	-7.0
TAOE	Nuku Hiva Isla	55.29	149	eS	S	03 17 57.8	
TAOE	comp=Z,7.1um,28.1s,baz=64			eLR	LR	04 00 37.5	
TAOE	Nuku Hiva Isla	55.13	249	eT	T	03 02 10.6	-0.4
BSCB	Bom Sucesso	55.39	127	eP	P	03 02 10.8	-0.1
CPBS	Cacapava Do Su	55.43	142	eP	P	03 02 12.8	-1.4
NBLI	Livramento-PB	55.83	108	eP	P	03 02 14.8	-2.4
RCBR	Riachuelo	56.26	106	eP	P	03 02 15.5	-1.7
RCBR	comp=Z,25nm,0.8s			P	P	03 02 17.8	+0.5
RCBR	Riachuelo	56.26	106	eP	P	03 02 19.3	+1.1
RCBR	comp=Z,26nm,1.1s,baz=4.8,slow=8.3,SNR=21			P	P	03 02 19.6	+1.5
PLCA	Paso Flores	56.45	163	eP	P	03 02 20.9	+0.2
PLCA	comp=Z,2.6nm,1.1s,baz=4.8,slow=8.3,SNR=21			P	P	03 02 21.2	-1.4
PLCA	Paso Flores	56.45	163	eP	P	03 02 22.6	-0.1
ESAR	Angra dos Reis	56.78	129	eP	P	03 02 23.6	+0.9
SJMB	Sao Joao De Ma	57.03	123	eP	P	03 02 22.9	+0.2
TRQA	Torquist	57.10	154	eP	P	03 02 22.4	-1.4
TRQA	comp=Z,120nm,1.4s			P	P	03 02 24.1	-1.4
TRQA	Torquist	57.10	154	eP	P	03 02 23.4	-1.5
TRQA	comp=Z,91nm,0.7s			P	P	03 19 07.0	
NRS	Narsarsuaq	57.31	24	eP	P	04 03 37.2	
NRS	comp=Z,91nm,0.7s			P	P	03 02 23.8	+0.5
NRS	Narsarsuaq	57.31	24	eP	P	03 02 28.5	-0.7
NRS	comp=Z,88nm,0.7s			P	P	03 02 31.2	+0.1
NRS	Narsarsuaq	57.31	24	eP	P	03 02 37.3	+0.6
NRS	comp=Z,5.9nm,26.0s			P	P	03 02 38.5	+1.0
BSFB	Barra de Sao F	57.37	123	eP	P	03 02 38.6	+0.1
RKT	Rikitea	57.55	231	eLR	LR	03 02 36.4	-2.0
RKT	comp=Z,8.9nm,42.0s			P	P	03 02 37.2	-1.3
RKT	Rikitea	57.55	231	eT	T	03 02 37.2	-1.3
OGAUY	Alga	57.61	146	eP	P	03 02 37.1	-1.3
RIB01	Linhares ES	57.98	123	eP	P	03 02 43.4	+0.4
CAM01	Campos-RJ	58.27	126	eP	P	03 02 45.3	+1.5
PICO	Pico	59.07	53	eP	P	03 02 47.1	-1.3
PICO	comp=Z,141nm,1.5s			P	P	03 02 47.2	-1.3
PPNO	Prainha do Nor	59.19	53	eP	P	03 02 47.2	-1.3
PPNO	comp=Z,160nm,1.5s			P	P	03 02 52.0	+1.4
ROSA	Rosais	59.24	53	eP	P	03 02 51.4	+0.6
PMAN	Manadas	59.35	53	eP	P	03 02 53.6	-0.5
SFJD	Kangerlussuaq	59.42	17	eP	P	03 02 55.0	-0.3
SFJD	comp=Z,52nm,0.8s,baz=228,slow=7.5,SNR=18			P	P	03 02 59.7	+1.2
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 07.3	-0.8
SFJD	comp=Z,247nm,1.6s			P	P	03 03 14.3	+2.0
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 11.6	-0.6
SFJD	comp=Z,247nm,1.6s			P	P	03 03 15.4	+2.1
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 12.4	-0.6
SFJD	comp=Z,2.4um,28.0s			P	P	03 05 35.6	-0.1
SFJD	Kangerlussuaq	59.42	17	eP	P	03 32 01.0	-1.4
SFJD	comp=Z,1.4nm,1.1s,baz=303,slow=3.2,SNR=5.9			LR	LR	03 34 17.0	
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 14.7	-0.6
SFJD	comp=Z,1.1um,20.9s,baz=118,slow=39			P	P	03 03 15.5	-0.1
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 15.0	-0.7
SFJD	comp=Z,93nm,1.6s			P	P	03 03 14.6	-1.1
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 14.9	-0.9
SFJD	comp=Z,26nm,1.3s			P	P	03 03 23.7	-0.4
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 23.7	-0.4
SFJD	comp=Z,830nm,1.5s			MLR	MLR	03 03 23.7	-0.4
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 29.6	+1.6
SFJD	comp=Z,10um,28.0s			P	P	03 24 39.1	
SFJD	Kangerlussuaq	59.42	17	eP	P	03 23 30.7	
SFJD	comp=Z,2.9um,28.0s,baz=69			P	P	03 03 31.2	+1.7
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 54.2	-3.9
SFJD	comp=Z,19nm,1.1s			P	P	03 03 29.4	0.0
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 36.2	+1.0
SFJD	comp=Z,51nm,1.6s			P	P	03 12 25.1	-3.2
SFJD	Kangerlussuaq	59.42	17	eP	P	03 20 53.9	
SFJD	comp=Z,113.5nm,1.2s			P	P	03 24 30.0	
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 36.8	0.0
SFJD	comp=Z,2.2um,24.0s			P	P	03 03 38.2	+0.3
SFJD	Kangerlussuaq	59.42	17	eP	P	03 03 39.8	+0.3
SFJD	comp=Z,322nm,1.4s			P	P	03 12 37.6	-6.3
SFJD	Kangerlussuaq	59.42	17	eP	P	03 24 34.0	
SFJD	comp=Z,2.9um,28.0s,baz=69						

Table with columns for station name, coordinates, and status. Includes stations like BRVK Borovoye, BVAR Borovoye Array, BVAR Borovoye, etc.

Table with columns for station name, coordinates, and status. Includes stations like MDH Madha, UOSS Minazif, UOSS Minazif, etc.

Table with columns for station name, coordinates, and status. Includes stations like WBSI Kotacane, KCSI Kotacane, CICI Cisompet, etc.

NNC 08 03:04:21.9-12.0,36°48N,70°05E,h0km,mb3.8,mpv3.4, 2C Error ellipse: s-maj=122.0km s-min=71.8km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KK31 Karamat Array, KK31 0.6nm,0.3s,baz=178,slow=12,SNR=13.

SJA 08 03:20:15.6:0.5,29°90Sx72°51W,h22km,25km,ML3.5,

ISCJB 08 03:20:23.6:1.0,29°81Sx0°04:71°68W,0.08,h10km, Error ellipse: s-maj=9.8km s-min=5.6km az=3.6

GUC 08 03:20:23.4:0.8,29°75Sx71°65W,h16km,3km,ML3.7

ISC 08 03:22:00.1:1.7,29°75Sx0°05:71°70W,0.09,h10km,n14, o1812/22, Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LSCH La Serena, G004 Tololo Observa, CO02 Combarbal, etc.

SNET 08 03:21:02.7:1.3,13°18N-89°37W,h61km,7km,ML3.5,El Salvador

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SNET Serv Nac Est T, UEEES Universidad Ev, OPAM Oficina de Pla, etc.

ISCJB 08 03:28:35.0:1.3,5°77S:0°09:146°9E:0.2,h78km,mb3.5/3, Error ellipse: s-maj=24.9km s-min=9.7km az=158.0

IDC 08 03:28:36.2:3.0,5°77S:146°97E:h74km,27km,mb3.4/3, mb1 3.0/7, mb1 mx3.5/26, mb1 mp4.0/7, Error ellipse: s-maj=36.3km s-min=18.0km az=69.0

ISC 08 03:28:36.3:1.3,5°85S:0°1:146°9E:0.2,h78km,n8,08/93/9, mb3.6/3, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMG Port Moresby, PMG 19nm,0.3s,baz=3.0,slow=6.3,SNR=20, 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 Villa Florida, Peldehue, Tololo Observa, etc.

ISCJB 08 04:18:51.7±0.6, 37.10N±0.04, 42.52E±0.04, h10km, Error ellipse: s-maj=6.4km s-min=4.2km az=26.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SIRR, CUKT, MSL, HAKT, AKDM, etc.

ISC 08 04:25:20.0±1.1, 61.75S±159.33W, h0km, mb4.3/3, mb1 4.5/3, mb1mx4.0/2.1, mbtmp4.3/3, MS4.2/12

NEIC 08 04:25:20.6±2.1, 62.48S±158.91W, h10km, 3km, mb4.0/4, Error ellipse: s-maj=34.7km s-min=12.5km az=148.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TBI, RKT, TVO, MEH, PAE, PPT2, PPT, DZM, MAW, PMOR, STKA, etc.

CGG 08 04:39:33.4±0.4, 14.27N±92.16W, h151km, 7km, MD3.8, MEX 08 04:39:37.0±0.6, 13.06N±92.31W, h10km, 6km, MD3.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like THIG, STG3, FUGO, PACAYA, LAS NUBES, COMITAN, etc.

IGIL 08 04:52:04.7, 36°60'N, 11°31'W, h30km, ML3.2, CNRM 08 04:52:04.3, 36°20'N, 10°95'W, h30km, ml3.2

MDD 08 04:52:04.5±0.6, 36.63N±11.33W, h50km, mb4.1/17, Error ellipse: s-maj=8.0km s-min=5.6km az=144.0, PRXIMO

INMG 08 04:52:06.0±1.1, 36.64N±11.27W, h31km, MD2.8, ML3.0, Error ellipse: s-maj=4.0km s-min=3.2km az=79.0

LDG 08 04:52:06.5±1.0, 36.82N±10.97W, h30km, ML3.3, Error ellipse: s-maj=19.2km s-min=12.5km az=50.0

ISC 08 04:52:00.3±1.4, 36.68N±11.27W, h0.07, h10km, n109, ±187/138, 7Z-2D, Azores-Cape St Vincent Ridge

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

LIS Lisbon, 2.64 39 eP, Pn, 04 52 45.2 ±2.2, 04 52 44.4 ±0.7

LIS Lisbon, 2.64 39 P, Pn, 04 52 45.2 ±2.2, 04 53 14.4 ±0.7

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PMAFR, PBEJ, EGRO, ALMR, etc.

CGG 08 04:39:33.4±0.4, 14.27N±92.16W, h151km, 7km, MD3.8, MEX 08 04:39:37.0±0.6, 13.06N±92.31W, h10km, 6km, MD3.7

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

IGIL 08 04:52:04.7, 36°60'N, 11°31'W, h30km, ML3.2, CNRM 08 04:52:04.3, 36°20'N, 10°95'W, h30km, ml3.2

MDD 08 04:52:04.5±0.6, 36.63N±11.33W, h50km, mb4.1/17, Error ellipse: s-maj=8.0km s-min=5.6km az=144.0, PRXIMO

INMG 08 04:52:06.0±1.1, 36.64N±11.27W, h31km, MD2.8, ML3.0, Error ellipse: s-maj=4.0km s-min=3.2km az=79.0

LDG 08 04:52:06.5±1.0, 36.82N±10.97W, h30km, ML3.3, Error ellipse: s-maj=19.2km s-min=12.5km az=50.0

ISC 08 04:52:00.3±1.4, 36.68N±11.27W, h0.07, h10km, n109, ±187/138, 7Z-2D, Azores-Cape St Vincent Ridge

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

EPLA Placencia, 5.30 49 P, Pn, 04 53 21.5 ±2.0, 04 54 18.4 ±2.3

EPLA Placencia, 5.30 49 P, Pn, 04 53 21.5 ±2.0, 04 54 18.4 ±2.3

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

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like JMP Maruseppu, JAR Ashorobuto, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WHN Wuhan, TTA Tatalina, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like YKBS Yellowknife Ar, YKBS Kashi, etc.

Table with columns: TOR, TOA1, MAW, MAW, MAW, NV01, NVAR. Includes station names like Torodi Ar. Bea, Torodi Ar. Sit, Mawson, etc.

WEL 08:08:15:50.50.6.34.54.17.9W. h33km, M4.7/92, mB5.3/51, ML5.1/73, MLV4.9/92, Mw(mB)4.7/51, Error ellipse: s-maj=0.0km s-min=0.0km az=108.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MXZ, WNGZ, PKGZ, HAZ, PUZ, WIZ, WSRZ, etc.

ISC 08:08:15:49.9.0.7.34.06S.0.06:178.88W.0.09, h50km, n152.253/152, mb4.1/5, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like URZ, MARZ, RAGZ, RIGZ, EDZ, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like URZ, MARZ, RAGZ, RIGZ, EDZ, etc.

Table with columns: AKCZ, WPZ, RPZ, RPZ, LBZ, ODZ, WNZ, WHZ, PPT. Includes station names like Akaroa Harbour, Waitaha Valley, etc.

ISC 08:08:34:15.8.0.7.35.45N.0.05:21.34E.0.05, h10km, mb3.5/5, Error ellipse: s-maj=7.4km s-min=5.1km az=28.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA, WRA, SNAZ, VNA3, VNA2, etc.

ISC 08:08:34:17.9.35.60N.21.55E, h10km, 2km, ML3.1/8, Error ellipse: s-maj=4.1km s-min=1.9km az=45.0

ISC 08:08:34:20.6.3.7.36.11N.21.86E, h0km, mb3.6/5, mB1.3/6.7, mb1mx3.4/40, mbtm3.5/7, ML2.6/2, MS3.3/3, Ms1.3/3.3, ms1mx2.5/44, Error ellipse: s-maj=7.8km s-min=2.0km az=30.0

ISC 08:08:34:17.2.1.1.35.61N.0.06:21.46E.0.05, h10km, n46, e231/56, mb3.7/5, 1C, Central Mediterranean Sea

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

MEX 08:09:01:01.0.0.7.15.93N.96.86W, h8km, 7km, MD3.8, Near coast of Oaxaca

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

comp=E,1.4nm,0.6s,baz=187,slow=8.6,SNR=5.6 MKAR Makanchi Array 46.05 56 P P 08 42 40.7 -0.3

IDC 08:08:44:58.9.2.4.54.15N.86.40E, h0km, mb1.3/2.2, mb1mx3.0/33, mbtm3.2/2, ML3.0/2, Error ellipse: s-maj=18.5km s-min=11.8km az=58.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like I46RU, ZALV, ZALV, etc.

ISC 08:08:51:46.2.1.7.14.2N.0.1:91.20W.0.08, h2km, 12km, Error ellipse: s-maj=23.8km s-min=8.9km az=22.8

MEX 08:08:51:46.4.0.5.14.19N.91.12W, h0km, 1.3km, MD3.7 CGC 08:08:51:48.3.0.9.14.16N.91.12W, h40km, 36km, MD3.4

ISC 08:08:51:47.3.2.8.14.2N.0.2:91.22W.0.07, h71km, 17km, n8, e080/14, Guatemala

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

IDC 08:08:54:21.9.2.5.53.57N.87.77E, h0km, mb1.3/6/3, mb1mx2.3/34, mbtm3.6/3, ML3.3/3, Error ellipse: s-maj=22.0km s-min=13.0km az=59.0

NNC 08:08:54:25.2.7.7.53.45N.87.50E, h0km, mb4.0, mpv3.7, 3C-5D, Error ellipse: s-maj=15.9km s-min=10.8km az=177.0, Suspected Mining explosion, Southwestern Siberia

253A	Americus	24.87	309	P	P	09 19 31.8 +0.1
552A	Lynn Haven	24.88	304	P	P	09 19 32.0 +0.2
U56A	King	24.91	322	P	P	09 19 32.4 +0.3
153A	Fort Valley	24.95	311	P	P	09 19 32.6 +0.3
O61A	Allentown	24.98	336	P	P	09 19 32.6 +0.1
X54A	Belton	25.00	316	P	P	09 19 33.1 +0.3
M65A	Busby, Falmout	25.02	344	P	P	09 19 33.1 +0.2
R58A	Rapidan	25.04	328	P	P	09 19 33.4 +0.2
V55A	Taylorville	25.08	320	P	P	09 19 34.0 +0.4
GOGA	Godfrey	25.09	313	P	P	09 19 33.8 +0.1
Z53A	Monticello	25.10	312	P	P	09 19 33.9 +0.1
452A	Marianne	25.10	306	P	P	09 19 34.3 +0.6
S57A	Dark Hollow, R	25.12	326	P	P	09 19 34.3 +0.4
P60A	Greenville	25.17	334	P	P	09 19 34.2 -0.1
T56A	Rocky Mt	25.19	324	P	P	09 19 34.7 +0.2
352A	Blakely	25.19	307	P	P	09 19 34.9 +0.3
W54A	Cherokee Point	25.21	317	P	P	09 19 35.2 +0.5
252A	Lumpkin	25.29	309	P	P	09 19 35.9 +0.5
R57A	Stanardsville	25.30	328	P	P	09 19 36.0 +0.5
TEIG	Teich	25.33	280	eP	P	09 19 36.5 +0.5
P59A	Jarrettsville	25.35	333	P	P	09 19 36.2 +0.3
Q58A	Fox Den Farm,	25.39	330	P	P	09 19 36.3 +0.1
S56A	Natural Bridge	25.39	325	P	P	09 19 36.6 +0.3
U55A	Ta, Sparta	25.41	321	P	P	09 19 37.2 +0.6
Y53A	Monroe	25.42	314	P	P	09 19 36.8 +0.1
451A	Vernon	25.44	305	P	P	09 19 37.3 +0.5
V54A	Nebo	25.49	319	P	P	09 19 37.8 +0.5
O60A	Telford	25.50	335	P	P	09 19 37.8 +0.5
PAL	Palisades	25.53	338	P	P	09 19 37.9 +0.4
BLA	Blacksburg	25.54	323	P	P	09 19 38.3 +0.6
X53A	Estanollee	25.59	315	P	P	09 19 38.9 +0.7
152A	Waverly Hall	25.60	310	P	P	09 19 38.7 +0.4
351A	Pinckard	25.61	306	P	P	09 19 38.0 -0.4
P58A	Pank, Wackersv	25.64	331	P	P	09 19 38.5 -0.1
Z52A	Williamson	25.65	311	P	P	09 19 38.9 +0.2
T55A	Pulaski	25.68	323	P	P	09 19 39.6 +0.6
M61A	Granite Spring	25.75	339	P	P	09 19 40.0 +0.5
Y52A	Liburn	25.76	313	P	P	09 19 39.8 +0.1
Q57A	Strasburg	25.81	329	P	P	09 19 40.9 +0.7
O59A	Robesonia	25.82	334	P	P	09 19 41.1 +0.9
251A	Midway	25.84	308	P	P	09 19 40.6 +0.2
R56A	Bull Pasture M	25.84	327	P	P	09 19 41.4 +0.9
N60A	Cedar Hill Far	25.86	336	P	P	09 19 41.5 +0.9
U54A	Nelsons Funny	25.89	320	P	P	09 19 41.4 +0.4
W53A	Cullowhee	25.89	316	P	P	09 19 41.9 +0.9
V53A	Saluda	25.97	318	P	P	09 19 42.0 +0.3
P57A	Homestead Farm	25.97	330	P	P	09 19 42.0 +0.4
S55A	Lewisburg	25.98	324	P	P	09 19 42.3 +0.6
151A	Opelika	25.98	309	P	P	09 19 41.6 -0.1
O58A	Lewisberry	25.98	332	P	P	09 19 42.4 +0.7
X52A	Dahlonega	26.05	315	P	P	09 19 42.6 +0.1
T54A	Tazewell	26.10	322	P	P	09 19 43.4 +0.5
R55A	Marlinton	26.13	325	P	P	09 19 44.1 +1.0
HRV	Adam Dzewonsk	26.15	343	P	P	09 19 43.6 +0.5
N59A	State Game Lan	26.16	335	P	P	09 19 44.0 +0.7
450A	Crestview	26.17	305	P	P	09 19 43.6 +0.1
Q56A	Gryder Ridge,	26.20	328	P	P	09 19 44.8 +1.1
350A	Dozier	26.24	306	P	P	09 19 44.6 +0.5
U53A	Fall Branch	26.25	319	P	P	09 19 44.5 +0.2
Z51A	Franklin	26.26	311	P	P	09 19 44.5 +0.2
W52A	Murphy	26.36	315	P	P	09 19 45.2 +0.1
O57A	Amberson	26.37	332	P	P	09 19 46.2 +0.9
P56A	Dayton Farm, R	26.39	329	P	P	09 19 46.4 +1.1
250A	Grady	26.43	307	P	P	09 19 46.0 +0.1
S54A	Dingess, Beckl	26.45	323	P	P	09 19 46.2 +0.2
Y51A	Rockmart	26.48	312	P	P	09 19 46.8 +0.5
150A	Eclectic	26.53	309	P	P	09 19 47.1 +0.3
R54A	Victor	26.54	324	P	P	09 19 47.4 +0.6
M59A	Waymart	26.56	336	P	P	09 19 47.7 +0.8
V52A	Sevierville	26.58	317	P	P	09 19 47.3 +0.2
T53A	Wise	26.63	320	P	P	09 19 48.2 +0.6
Q55A	Buckhannon	26.63	327	P	P	09 19 48.1 +0.5
449A	Pace	26.65	304	P	P	09 19 48.6 +0.5
CLBD	Brewton	26.69	305	P	P	09 19 48.6 +0.5
X51A	Calhoun	26.69	314	P	P	09 19 48.6 +0.4
U52A	Thorn Hill	26.77	318	P	P	09 19 49.1 +0.2
Z50A	Ashland	26.77	310	P	P	09 19 48.9 0.0
N57A	Milroy	26.78	332	P	P	09 19 49.3 +0.5
SSPA	Standing Stone	26.83	332	eP	P	09 19 50.2 +0.8
SSPA	Standing Stone	26.83	332	P	P	09 19 50.2 +0.8
S53A	Williamson	26.84	322	P	P	09 19 49.9 +0.3
O56A	Blue Knob Sta	26.85	330	P	P	09 19 50.3 +0.7
349A	Repton	26.87	305	P	P	09 19 50.6 +0.8
P55A	Reedsville	26.88	328	P	P	09 19 50.7 +0.8

Y50A	Piedmont	26.95	311	P	P	09 19 50.7 +0.2
W51A	Cleveland	26.95	315	P	P	09 19 50.7 +0.2
TZTN	Tazewell	26.98	318	P	P	09 19 51.1 +0.3
T52A	Hallie	26.98	320	P	P	09 19 51.1 +0.4
MCWV	Mont Chateau	27.01	328	P	P	09 19 51.6 +0.7
Q54A	Coxs Mills	27.02	326	P	P	09 19 51.6 +0.5
V51A	Loudon	27.05	316	P	P	09 19 51.4 0.0
249A	Camden	27.08	306	P	P	09 19 51.9 +0.2
149A	Jones	27.11	308	P	P	09 19 51.8 -0.1
O55A	Igonier	27.16	329	P	P	09 19 53.0 +0.7
U51A	La Follette	27.18	318	P	P	09 19 52.5 0.0
R53A	Hurricane	27.18	323	P	P	09 19 53.1 +0.5
Z49A	Columbiana	27.19	309	P	P	09 19 52.9 +0.2
X50B	Fort Payne	27.19	313	P	P	09 19 52.4 -0.3
N56A	West Decatur	27.24	332	P	P	09 19 53.6 +0.5
P54A	Burton	27.29	327	P	P	09 19 54.1 +0.6
Q53A	Leroy	27.31	325	P	P	09 19 54.5 +0.8
BINY	Binghamton	27.34	336	P	P	09 19 54.9 +1.0
W50A	Signal Mountai	27.35	314	P	P	09 19 54.6 +0.5
S52A	Saltysville	27.41	321	P	P	09 19 54.9 +0.3
Y49A	Blount Mountai	27.42	311	P	P	09 19 54.7 -0.1
N55A	Marion Center	27.45	331	P	P	09 19 56.0 +1.0
LRAL	Lakeview Retre	27.46	309	P	P	09 19 55.4 +0.3
V50A	Pikeville	27.47	315	P	P	09 19 55.5 +0.3
T51A	Gray	27.49	319	P	P	09 19 55.6 +0.3
R52A	Catlettsburg	27.59	322	P	P	09 19 56.3 +0.2
M56A	Emporium	27.65	332	P	P	09 19 57.5 +0.9
O54A	Avella	27.67	328	P	P	09 19 57.1 +0.2
P53A	Whipple	27.69	326	P	P	09 19 57.8 +0.7
X49A	Woodville	27.69	312	P	P	09 19 57.5 +0.3
S51A	Beattyville	27.69	320	P	P	09 19 57.6 +0.5
148A	Greensboro	27.71	307	P	P	09 19 57.2 -0.2
U50A	Jamestown	27.73	317	P	P	09 19 57.7 +0.2
Q52A	Bidwell	27.80	324	P	P	09 19 58.5 +0.5
APG	El Apazote	27.80	269	P	P	09 19 58.9 +0.3
APG	comp=Z,529nm,0.7s,baz=96,slow=3.1,SNR=28					09 30 11.0
LRBNH	Lisbon	27.86	344	P	P	09 19 59.3 +0.8
M55A	Ridgway	27.89	332	P	P	09 19 59.7 +0.8
W49A	Beldere	27.96	313	P	P	09 19 59.9 +0.3
Y48A	Jasper	28.00	310	P	P	09 19 59.7 -0.2
V49A	McMinnville	28.07	313	P	P	09 20 00.6 +0.1
N54A	Moraine State	28.07	330	P	P	09 20 01.3 +0.9
T50A	Nancy	28.09	318	P	P	09 20 01.3 +0.6
R51A	Hillsboro	28.11	321	P	P	09 20 01.6 +0.7
O53A	New Philadelph	28.15	327	P	P	09 20 01.9 +0.7
X48A	Hartselle	28.17	311	P	P	09 20 01.5 +0.1
P52A	Corning	28.19	325	P	P	09 20 02.0 +0.4
S50A	Richmond	28.21	319	P	P	09 20 02.4 +0.6
PKMC	Peaks-Kenny Pk	28.23	348	P	P	09 20 02.4 +0.6
147A	Livingston	28.26	307	P	P	09 20 02.6 +0.4
L55A	Hinsdale	28.32	333	P	P	09 20 03.8 +1.1
M54A	Oil Creek Stat	28.34	331	P	P	09 20 03.2 +0.3
N53A	Lisbon	28.37	328	P	P	09 20 03.8 +0.7
O52A	Adamsville	28.38	326	P	P	09 20 03.7 +0.5
U49A	Red Boiling Sp	28.40	316	P	P	09 20 03.7 +0.3
W48A	Pulaski	28.44	313	P	P	09 20 04.0 +0.2
Q51A	Peaslee	28.46	323	P	P	09 20 04.5 +0.6
R50A	Paris	28.55	321	P	P	09 20 05.8 +1.0
T49A	Edmonton	28.59	317	P	P	09 20 05.4 +0.3
P51A	Williamsport	28.60	324	P	P	09 20 05.5 +0.3
K55A	Perry	28.61	334	P	P	09 20 05.8 +0.5
V48A	Smith Brothers	28.68	314	P	P	09 20 06.4 +0.5
Q50A	Georgetown	28.70	322	P	P	09 20 06.7 +0.6
L54A	Sinclairville	28.75	332	P	P	09 20 07.0 +0.5
M53A	Wi Miller and	28.77	329	P	P	09 20 07.2 +0.5
K54A	Rockwell Farm,	28.78	333	P	P	09 20 07.1 +0.3
X47A	Russelville	28.79	311	P	P	09 20 07.2 +0.3
N52A	McGinn's Farm,	28.81	327	P	P	09 20 07.4 +0.4
O51A	Pattakala	28.81	325	P	P	09 20 07.5 +0.4
S49A	Springfield	28.83	319	P	P	09 20 07.9 +0.6
U48A	Cassie Pea, Po	28.91	315	P	P	09 20 08.3 +0.3
MOQ	Mont Orford	28.94	344	eP	P	09 20 09.5 +1.3
J55A	Hilton	28.96	335	P	P	09 20 08.7 +0.5
CLDB	Colider	28.96	168	eP	P	09 20 10.4 +1.9
L53A	Girard	28.96	330	P	P	09 20 08.8 +0.4
W47A	Westpoint	28.96	312	P	P	09 20 08.7 +0.2
LONY	Lake Ozonia	28.97	341	P	P	09 20 08.9 +0.5
R49A	Shelbyville	29.07	320	P	P	09 20 09.9 +0.5
ACSO	Alum Creek Sta	29.08	325	P	P	09 20 09.8 +0.4
P50A	Jamestown	29.11	323	P	P	09 20 10.5 +0.8
MEDO	Medina	29.14	334	P	P	09 20 10.8 +0.9
T48A	Bowling Green	29.15	317	P	P	09 20 10.8 +0.7
M52A	Cherland	29.18	329	P	P	09 20 10.3 0.0
PECO	Prince Edward	29.20	337	P	P	09 20 10.7 +0.2
V47A	Nunally	29.21	313	P	P	09 20 10.3 -0.3

N51A	Ashland	29.24	327	P	P	09 20 11.3 +0.5
S48A	Wiedeman Farm,	29.25	318	P	P	09 20 10.8 -0.2
J54A	Applet	29.30	334	P	P	09 20 12.0 +0.7
X46A	Booneville	29.34	310	P	P	09 20 11.8 0.0
Q49A	Aurora	29.35	321	P	P	09 20 12.4 +0.5
O50A	Cable	29.37	324	P	P	09 20 12.8 +0.7
U47A	Clarksville	29.38	315	P	P	09 20 12.1 0.0
M51A	Elyria	29.44	327	P	P	09 20 12.9 +0.3
W46A	Michie	29.46	311	P	P	09 20 12.9 0.0
STCO	Saint Catharin	29.47	333	P	P	09 20 13.3 +0.4
H56A	Elgin</					

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BNN Bunyan, YOZ Yozyat, CICEKdag, KIRS Kirehir-Merke, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WHF Hehuan Shan, WHF baz=265, TIPB Shuangxi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PSAO0 Pilbara Seismi, AS31 Alice Springs, ASAR Alice Springs, etc.

IDC 08 11:38:55.0, 8.37, 58N: 96.03E, h0km, mb3.8/9, mb1 3.8/14, mb1mx3.6/64, mbtmp3.8/14, ML3.8/5, Error ellipse: s-maj=23.9km s-min=14.8km az=40.0

ISCJB 08 11:38:56.0, 0.6, 37.59N, 0.07, 95.92E, 0.06, h12km, mb3.8/9, Error ellipse: s-maj=10.4km s-min=6.6km az=17.4

BUJ 08 11:38:58.1, 0.0, 37.53N, 95.84E, h6km, mb4.1/1, ML3.7/12, Ms3.5/3, Ms7.3/4.3

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GTA Gaotai, GTA GTC, GTA GTA, etc.

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISC 08 11:38:57.0, 0.7, 37.62N, 0.07, 95.85E, 0.05, h12km, n17, s25/23, mb3.8/9, Qinghai

ISCJB 08 12:03:40.3, 0.9, 59.25S, 0.1, 26.2W, 0.3, h100km, mb3.8/6, Error ellipse: s-maj=23.1km s-min=14.1km az=155.5

IDC 08 12:03:45.5, 7.8, 59.20S, 26.26W, h136km, 71km, mb3.5/6, mb1 3.6/6, mb1mx3.5/17, mbtmp3.9/6, Error ellipse: s-maj=26.3km s-min=22.0km az=41.0

ISC 08 12:03:41.5, 0.8, 59.25S, 0.1, 26.2W, 0.2, h100km, n18, s093/12, mb3.8/6, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer Olymp, SNA4 Sanae, etc.

ISCJB 08 11:46:28.5, 0.3, 24.16N, 0.02, 122.23E, 0.02, h19km, 4km, Error ellipse: s-maj=3.9km s-min=2.3km az=156.4

TAP 08 11:46:28.6, 0.2, 24.22N, 122.19E, h20km, ML2.8, C

JMA 08 11:46:28.6, 0.1, 24.11N, 122.20E, h34km, 4km, M1.7

ISC 08 11:46:26.4, 1.2, 24.15N, 0.02, 122.23E, 0.02, h3km, 10km, n55, s0978/96, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EOS1 E051, NANB Nanao, ENA Nanao, etc.

ISCJB 08 11:57:59.6, 0.3, 7.41S, 0.03, 128.57E, 0.04, h151km, mb4.0/14, Error ellipse: s-maj=5.3km s-min=4.3km az=1.7

NEIC 08 11:58:01.4, 2.2, 7.47S, 128.60E, h154km, 9km, mb4.1/15, Error ellipse: s-maj=9.6km s-min=8.7km az=143.0

IDC 08 11:58:02.5, 2.0, 7.42S, 128.58E, h162km, 17km, mb3.8/6, mb1 3.9/9, mb1mx3.6/27, mbtmp4.3/9, MS3.0/2, Ms1 3.1/2, ms1mx2.4/28, Error ellipse: s-maj=33.2km s-min=15.5km az=105.0

ISC 08 11:58:00.9, 0.5, 7.46S, 0.05, 128.61E, 0.05, h151km, n38, s155/44, mb4.0/14, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JISG Ishigakijima, SSD Sandimien, MASBT Mashibuluo, etc.

NSSC 08 12:16:12.0, 0.9, 34.34N, 36.28E, h12km, 12km, ML1.7

JSO 08 12:16:10.9, 0.4, 33.33N, 3.36E, 1.1, h10km, M2.1/7, Mjma2.1/7, ML2.0/4, MLV2.2/7, Dead Sea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHMJ Kahar, KSDI Kefar Szold, BRBR Barbar, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PB15, PB15, PB15, Yavi, YJA, etc.

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MEX 08, PCIG, PCIG, TGIG, TGIG, etc.

ISCJB 08 12:30:13.2:0.6, 33.47N:0.03:140.27E:0.08, h100km,4km,mb3.3/4, Error ellipse: s-maj=10.5km

ISCJB 08 12:55:54.8:0.3, 46.82N:0.01:6.63E:0.02, h112km,2km, Error ellipse: s-maj=2.8km s-min=2.1km az=1.6

IDC 08 13:27:39.4:1.1, 24.41N:96.15E, h0km,mb3.8/5, mb1.3/9, mb1mx3.5/6, mbtmp3.8/6, ML4.0/1, Error ellipse: s-maj=11.2km s-min=18.7km az=57.0

JMA 08 12:30:14.7:0.1, 33.52N:140.29E, h87km,1km, M3.0, IDC 08 12:30:15.5:1.2, 33.29N:139.68E, h90km,14km,mb3.0/4, mb1.3/2.5, mb1mx3.0/4.5, mbtmp3.3/5, Error ellipse: s-maj=104.2km s-min=10.6km az=71.0

ZUR 08 12:55:56.3, 46.83N:6.75E, h8km,2km, ML1.8/8, Error ellipse: s-maj=5.5km s-min=1.0km az=174.0

NEIC 08 13:27:46.6:1.1, 24.14N:95.80E, h58km,12km,mb4.3/1, Error ellipse: s-maj=35.6km s-min=6.1km az=49.0

ISC 08 12:30:14.1:1.0, 33.47N:0.04:140.27E:0.07, h94km,7.7km, n24, 0.0570/33, mb3.2/4, Southeast of Honshu

ISC 08 12:55:55.6:1.0, 46.82N:0.02:6.70E:0.02, h181km,3.3km, n47, 0.0575/87, 3C-4D, Switzerland

ISC 08 13:27:44.4:0.9, 24.52N:0.2, 96.22E:0.1, h35km, n15, 0.094/16, mb4.0/7, Myanmar

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JHJ2, JHJ2, JHJ, Hachioji jima 2, etc.

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

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

IDC 08 12:37:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

SOME 08 13:27:41.3:4.3, 43.43N:83.78E, h10km, MS3.4, BUJ 08 13:27:42.0:4.0, 43.70N:83.86E, h8km, mb3.8/2, ML3.9/8

WRA Warramunga Arr 24.20 237 P Pn 12 43 36.2 +0.3

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

IDC 08 13:27:43.2:0.7, 43.74N:83.75E, h0km,mb3.7/1, mb1.3/9, mb1mx3.7/59, mbtmp3.8/18, ML3.5/7, MS2.8/4, Ms1.2/8.4, ms1mx2.5/34, Error ellipse: s-maj=15.2km s-min=8.8km az=64.0

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

NNC 08 13:27:45.2:1.4, 43.79N:83.62E, h0km,mb4.8, mpv4.5, Error ellipse: s-maj=13.0km s-min=5.4km az=136.0

WRA Warramunga Arr 24.20 237 P Pn 12 43 36.2 +0.3

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

ISC 08 13:27:45.5:0.6, 43.74N:0.04:83.87E:0.03, h10km, n78, 0.233/102, mb3.8/10, 10C-14D, Northern Xinjiang

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

SVSA 08 12:41:39.2:0.8, 38.53N:26.84W, h0km,3gkm, MD3.5, ML2.9, Error ellipse: s-maj=4.5km s-min=1.2km az=31.0, Azores Islands

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

WRA Warramunga Arr 24.20 237 P Pn 12 43 36.2 +0.3

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

ASAR Alice Springs 57.14 187 P Pn 12 39 50.6 -0.4

MEZF 08 12:57:57.3:5.5, 7.35S:155.71E, h0km,mb3.4/3, mb1.3/6, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=169.9km s-min=39.3km az=114.0, Bougainville-Solomon Islands region

Code Station Name Az Az2 Phase ID Time Res. Includes stations like WRA, ASAR, MKAR, etc.

TDK	Taldyqorghan	4.12 290	Pg	Pb	13 28 58.6	+0.5
TDK	426nm,0.6s		Lg	Lg	13 29 53.9	
TDK	747nm,0.8s		eP	Pb	13 28 58.1	+0.1
TDK	Taldyqorghan	4.12 290	eP	Pb	13 29 53.9	-3.7
TDK	426nm,0.6s		eS	Sg	13 29 53.9	-3.7
KURS	739nm,0.6s		Pg	Pb	13 28 58.4	-0.2
KURS	Kuram	4.15 268	Pg	Lg	13 29 55.2	
KURS	58nm,0.5s		Lg	Lg	13 29 55.2	
KURS	145nm,0.7s		eP	Pb	13 28 58.4	-0.2
KURS	Kuram	4.15 268	iP	Pb	13 29 54.5	+5.7
KURS	67nm,0.5s		eS	Sb	13 29 54.5	+5.7
ARXS	Arharly	4.39 278	eP	Pb	13 28 59.5	-3.2
ARXS	67nm,0.4s		eS	Sb	13 29 56.0	+0.3
KOTS	Kotrybulak	4.94 266	Pg	Pb	13 29 10.8	-1.4
KOTS	46nm,0.3s		Lg	Lg	13 30 15.0	
KOTS	608nm,0.8s		eP	Pb	13 29 10.8	-1.4
KOTS	Kotrybulak	4.94 266	eP	Pb	13 29 10.8	-1.4
KOTS	46nm,0.3s		eS	Sb	13 30 14.9	+3.1
CHHK	Chushkaly	4.98 274	Pg	Pb	13 29 11.7	-1.2
CHHK	608nm,0.8s		eS	Sb	13 30 16.9	
CHHK	56nm,0.3s		Lg	Lg	13 30 16.9	
CHHK	186nm,0.3s		eP	Pb	13 29 12.0	-0.9
CHHK	Chushkaly	4.98 274	eP	Pb	13 29 12.0	-0.9
CHHK	56nm,0.3s		eS	Sb	13 30 17.4	+4.6
KNDC	Almaty	5.05 266	iP	Pg	13 29 14.0	-0.1
KNDC	Almaty	5.05 266	iL	Lg	13 30 22.8	
AAA	Alma-Ata	5.09 266	Pg	Pb	13 29 15.2	+0.6
AAA	50nm,0.3s		Lg	Lg	13 30 23.3	
AAA	107nm,0.5s		eP	Pb	13 29 15.2	+0.6
AAA	Alma-Ata	5.09 266	eP	Pb	13 29 15.2	+0.6
AAA	50nm,0.3s		eS	Sb	13 30 23.3	+7.3
TNSS	Tian-Shan	5.09 264	Pg	Pb	13 29 12.7	-2.3
TNSS	50nm,0.6s		Lg	Lg	13 30 18.7	
TNSS	90nm,0.5s		eP	Pb	13 29 12.7	-2.3
TNSS	Tian-Shan	5.09 264	eP	Pb	13 29 12.7	-2.3
TNSS	57nm,0.6s		eS	Sb	13 30 18.7	+2.3
KTBS	Karabot	5.21 272	Pg	Pb	13 29 15.5	-1.3
KTBS	42nm,0.3s		Lg	Lg	13 29 22.8	
KTBS	138nm,0.5s		eP	Pb	13 29 15.4	-1.3
KTBS	Karabot	5.21 272	eP	Pb	13 29 22.8	+3.4
KTBS	42nm,0.3s		eS	Sb	13 29 20.0	+1.0
IZV	Izvestkoviy	5.34 265	Pg	Pb	13 29 20.0	+1.0
IZV	49nm,0.6s		Lg	Lg	13 30 30.8	
IZV	126nm,0.7s		eP	Pb	13 29 20.0	+1.0
IZV	Izvestkoviy	5.34 265	eP	Pb	13 30 30.8	+7.7
IZV	49nm,0.6s		eS	Sb	13 29 20.1	-0.8
KUU	Kurdy	5.45 274	Pg	Pb	13 30 31.6	
KUU	36nm,0.6s		Lg	Lg	13 29 24.8	+3.9
KUU	130nm,0.3s		eP	Pb	13 30 39.4	-1.1
KUU	36nm,0.6s		eS	Sg	13 29 20.2	-0.7
MTBS	Maitube	5.45 266	Pg	Pb	13 30 32.2	
MTBS	24nm,0.2s		Lg	Lg	13 29 20.2	-0.7
MTBS	104nm,0.5s		eP	Pb	13 30 31.2	+4.9
MTBS	Maitube	5.45 266	eP	Pb	13 29 20.2	-0.7
MTBS	24nm,0.2s		eS	Sb	13 29 11.6	0.0
ULHL	Ulahol	5.79 258	P	Pn	13 29 26.1	-0.8
ULHL	SNR=21		Pg	Pb	13 30 42.2	
KST	Kastek	5.80 266	Pg	Pb	13 29 26.1	-0.8
KST	44nm,0.4s		Lg	Lg	13 30 42.2	
KST	89nm,0.8s		eP	Pb	13 30 41.6	+5.0
KST	Kastek	5.80 266	eP	Pb	13 29 30.8	+2.1
KST	23nm,0.5s		eS	Sb	13 29 30.8	+2.1
DGS	Degeres	5.91 268	Pg	Pb	13 29 30.8	+2.1
DGS	44nm,0.3s		Lg	Lg	13 29 30.8	+2.1
DGS	115nm,0.4s		eP	Pb	13 29 30.8	+2.1
DGS	Degeres	5.91 268	eP	Pb	13 29 30.8	+2.1
DGS	44nm,0.3s		eS	Sg	13 29 16.3	+0.5
TKM2	Tokmak 2	6.09 265	iP	Pn	13 29 34.9	+3.1
TKM2	9.7nm,0.6s		iL	Lg	13 30 53.0	
TKM2	32nm,0.7s		iP	Pg	13 29 22.6	+0.4
TKM2	60nm,0.7s		iL	Lg	13 29 26.5	+0.7
TKM2	SNR=22		P	Pn	13 29 27.6	-0.7
KZA	Kyzart	6.83 269	P	Pn	13 29 26.5	+0.7
KZA	SNR=33		P	Pn	13 29 26.5	+0.7
USP	Ospenovka	6.83 269	P	Pn	13 29 26.5	+0.7
USP	SNR=5.6		P	Pn	13 31 21.1	
AAK	Ala-Archa	6.94 264	Pn	Pn	13 29 27.6	+0.1
AAK	0.7nm,0.3s,baz=90,slow=20,SNR=3.5		Lg	Lg	13 29 47.8	+1.5
AAK	2.7nm,0.3s,baz=221,slow=20,SNR=3.4		Lg	Lg	13 29 29.8	+0.9
AAK	comp=E,2.88nm,18.4s,baz=52,slow=40		LR	LR	13 29 54.3	+5.1
AAK	Ala-Archa	6.94 264	iP	Pn	13 31 30.3	
AAK	1.9nm,0.4s		iP	Pg	13 29 28.7	-3.1
AAK	13nm,0.6s		iP	Pg	13 30 54.5	+0.1
UCH	Uchto	7.03 261	P	Pb	13 29 28.7	-3.1
UCH	SNR=25		P	Pn	13 29 54.5	+0.1
SEM	Semipalatinsk	7.11 341	Pg	Pb	13 31 30.3	
SEM	8.3nm,0.2s		Lg	Lg	13 29 28.7	-3.1
SEM	139nm,0.6s		eP	Pn	13 29 28.7	-3.1
KSH	Kashi	7.27 237	eP	Pn	13 30 06.2	+4.7
KSH	SNR=33		eP	Pn	13 31 51.0	
KSH	comp=N,32nm,1.0s		eP	Pn	13 30 05.9	+0.2
KURBB	Kurchatov Arra	7.79 334	Pn	Pn	13 31 05.9	-1.0
KURBB	comp=E,0.3nm,0.3s,baz=145,slow=13,SNR=20		Pn	Pn	13 31 49.0	
KURBB	comp=E,0.8nm,0.3s,baz=156,slow=21,SNR=8.5		Lg	Lg	13 29 37.6	-1.2
KURBB	comp=E,1.1nm,0.3s,baz=157,slow=31,SNR=5.7		Lg	Lg	13 29 00.2	-0.2
KURBB	Kurchatov Arra	7.79 334	iP	Pn	13 31 05.0	-1.9
KURBB	comp=E,8.1nm,0.8s		iP	Pn	13 31 50.0	
KURBB	comp=E,35nm,0.5s		iL	Lg	13 29 38.0	-1.5
KURK	Kurchatov	7.84 335	iP	Pn	13 30 17.6	
KURK	comp=E,1.1nm,0.4s		Lg	Lg	13 30 06.2	+4.7
KURK	comp=E,38nm,0.7s		Pg	Pb	13 31 51.0	
MRKS	Merke	7.84 266	Pg	Pb	13 30 05.9	+0.2
MRKS	comp=E,14nm,0.7s		Lg	Lg	13 32 53.4	
MRKS	comp=E,18nm,0.5s		Lg	Lg	13 30 10.4	-1.9
KK31	Karatay Arra	9.74 271	iP	Pn	13 32 01.7	-5.3
KK31	comp=E,2.2nm,0.7s,baz=102,slow=16,SNR=19		iL	Lg		
ZZAA	Zalesovo Array	10.23 3	Pn	Pn		
ZZAA	comp=E,0.5nm,0.6s		iL	Lg		
ZZAA	comp=E,0.8nm,0.3s		iL	Lg		

ZALV	Zalesovo Beam	10.23 3	Pn	Pn	13 30 10.7	-1.7
ZALV	comp=E,1.6nm,0.3s,baz=186,slow=15,SNR=15		Sn	Sn	13 32 02.9	-4.2
ZALV	comp=E,2.5nm,0.3s,baz=188,slow=24,SNR=8.5		Lg	Lg	13 33 08.2	
ZALV	comp=E,1.5nm,0.3s,baz=147,slow=12,SNR=4.7		LR	LR	13 33 58.1	
BVA2	Borovyoye Array	12.88 321	iP	Pn	13 30 47.0	-0.5
BVA2	comp=E,0.4nm,0.3s,baz=122,slow=26,SNR=5.9		Lg	Lg	13 34 32.0	
BVA2	Borovyoye Array	12.89 321	Pn	Pn	13 31 34.0	+0.5
BVA2	comp=E,0.7nm,0.3s,baz=113,slow=13,SNR=1.1		Lg	Lg	13 36 21.5	
BVA2	comp=E,0.3nm,0.3s,baz=265,slow=33,SNR=2.4		LR	LR	13 38 24.8	
SONM	Songio Array	16.22 68	Pn	Pn	13 32 04.0	-0.7
SONM	comp=E,0.1nm,0.3s,baz=265,slow=33,SNR=2.4		Lg	Lg	13 32 22.2	-0.9
SONM	comp=E,5.6nm,18.7s,baz=251,slow=39		P	P	13 32 31.6	+4.0
SONM	Aktuybinsk	18.78 300	P	P		
SONM	comp=E,0.2nm,0.3s,baz=111,slow=9.0,SNR=5.1		Lg	Lg		
ARU	Arti	20.47 17	P	P		
ARU	comp=E,1.2nm,0.5s,baz=80,slow=9.3,SNR=3.1		Pn	Pn		
HHC	Hu-ho-hao-te	20.65 88	P	P		
HHC	comp=Z,14nm,1.0s		pmax	pmax		
HHC	comp=Z,295nm,5.8s		pmax	pmax		
WHN	Wuhan	27.47 108	P	P	13 33 34.7	+3.0
CMAR	Chiang Mai Arr	28.22 149	P	P	13 33 40.1	+1.5
CMAR	comp=Z,0.9nm,0.5s,baz=323,slow=8.6,SNR=5.3		Lg	Lg		
GNI	Garni	29.14 277	LR	LR	13 46 59.7	
GNI	comp=Z,1.9nm,18.3s,baz=52,slow=40		P	P		
BRTR	Keskin Arr B	37.24 282	P	P	13 34 56.8	-0.5
BRTR	comp=Z,0.5nm,0.5s,baz=76,slow=5.6,SNR=3.5		P	P		
FINES	FINESS Array B	37.83 318	P	P	13 35 00.9	-1.0
FINES	comp=Z,1.2nm,0.7s,baz=106,slow=10,SNR=3.1		P	P		
ARCES	ARCCESS Array B	38.86 331	P	P	13 35 10.3	-0.2
ARCES	comp=Z,1.6nm,0.7s,baz=95,slow=9.9,SNR=5.5		P	P		
NOA	NORSAR Array B	45.01 319	P	P	13 35 58.6	-2.2
NOA	comp=Z,0.3nm,0.6s,baz=77,slow=7.9,SNR=2.3		P	P		
ILAR	Eielson Array	64.79 22	P	P	13 38 22.9	-0.9
ILAR	comp=Z,0.3nm,0.8s,baz=312,slow=5.2,SNR=4.6		P	P		
YKA	Yellowknife Arr	73.08 9	P	P	13 39 12.9	-2.5
YKA	comp=Z,1.1nm,0.3s,baz=345,slow=5.9,SNR=2.5		P	P		
TORD	Tordi Arr. Bea	75.41 274	P	P	13 39 27.6	-2.1
TORD	comp=Z,0.6nm,0.4s,baz=39,slow=5.0,SNR=1.1		P	P		
WRA	Warramunga Arr	78.44 132	P	P	13 39 46.4	-0.1
WRA	comp=Z,1.4nm,0.7s,baz=319,slow=5.8,SNR=7.7		P	P		
ASAR	Alice Springs	81.27 135	P	P	13 40 01.7	-0.1
ASAR	comp=Z,0.6nm,0.7s,baz=329,slow=5.1,SNR=1.1		P	P		

ISC/JB 08 13:43:29.5:1.1,34:13S:0:03:72:38W:0:04,h1km,7km,mb4.4/26,MS3.6/10, Error ellipse: s-maj=5.9km s-min=4.6km az=27.4

NEIC 08 13:43:32.4:1.2,34:15S:72:15W,h1km,2km,mb4.6/23,ML4.3(GUC), Error ellipse: s-maj=13.5km s-min=6.4km az=79.0

NEIC Felt [I] at Constitution and Pichilemu; [II] at Curico, Paredones and Rio Claro.

GUC 08 13:43:32.7:0.7,34:22S:72:37W,h51km,47km,ML4.3

IDC 08 13:43:37.1:2.6,34:14S:72:06W,h44km,23km,mb4.0/12,mb1.4/216,mb1mx1.4/28,mbtmp4/216,ML4.1/4,MS3.7/14,Ms1.3/6/14,ms1mx3.5/24, Error ellipse: s-maj=25.7km s-min=12.8km az=105.0

ISC 08 13:43:31.9:2.0,34:12S:0:04:72:24W:0:08,h10km,11km,n8z,±17184,mb4.5/26,MS3.6/10, Near coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
GO05	Huala	0.93 164	eP	Pb	13 43 49.3	-0.8
GO05	Huala	0.93 164	iP	Pb	13 43 49.4	-0.8
GO05			iS	Sb	13 44 00.8	-1.8
GO05			IAML		13 44 03.5	
ANTU	Antumapu	1.44 68	iP	Pg	13 43 59.8	+0.1
ANTU			iS	Sg	13 44 19.8	+1.5
ANTU			IAML		13 44 26.9	
STL	Santa Lucia	1.49 63	IAML		13 44 34.1	
CLCH	Cerro Calan	1.59 64	iP	Pb	13 44 01.5	0.0
CLCH			iS	Sg	13 44 23.4	+0.3
CLCH			IAML		13 44 32.3	
PEL	Peldhue	1.62 54	eP	Pb	13 44 01.8	-0.2
PEL	Peldhue	1.62 54	iP	Pb	13 44 01.9	-0.2
PEL			iS	Sg	13 44 24.2	+0.1
PEL			IAML		13 44 33.5	
LMEL	Las Melosas	1.71 82	iP	Pb	13 44 02.9	-0.8
LMEL			iS	Pb	13 44 26.5	-0.5
LMEL			IAML		13 44 32.0	
FCH	Farellones	1.81 65	iP	Pb	13 44 04.5	-0.9
FCH			iS	Sg	13 44 29.2	-0.8
FCH			IAML		13 44 34.4	
CO02	Combalal	3.09 20	eP	Pn	13 44 21.8	+0.9
GO04	Tololo Observa	4.12 18	eP	Pn	13 44 36.0	+0.8
CFA	Coronel Fontan	4.20 54	P	Pn	13 44 37.8	+1.7
CFA	comp=E,2.6nm,0.3s,baz=229,slow=12,SNR=21		Lg	Lg		
CFA	comp=E,6.2nm,0.3s,baz=250,slow=13,SNR=4.2		LR			

s-min=9.6km az=99.0, Moment Tensor Solution. s40
 Moment tensor: Scale 10¹⁷Nm; M₁=0.26; M₂=1.30;
 M₃=1.04; M₁-0.32; M₂-1.39; M₃-0.58; Best double
 couple: M₂ 0.00000° 1017° N P1₁ 201.00000°, 889.00000°.
 λ, 2.0.00000°. NP2₁ 110.00000°, 870.00000°, λ, 178.00000°.
 Principal axes: T 1.80000, Plg15.00000, Azm67.00000°; N
 0.2800, Plg70.00000°, Azm205.00000°; P -2.0800,
 Plg13.00000°, Azm334.00000°.
 GCMT 08 15:30:30.1±0.1, 16.811N±0.01; 40E±0.01, h14km,
 MW5.5/117, Moment Tensor Solution. s92, c160;
 s117, c259; Duration: 194; Moment tensor: Scale 10¹⁷
 Nm; M₁=0.47±0.03; M₂=1.17±0.03; M₃=1.64±0.03;
 M₁-0.39±0.06; M₂-0.08±0.03; M₃-0.23±0.06; Best double
 couple: M₂ 56.4000° 1017° N P1₁ 16.00000°, 881.00000°.
 λ, 10.00000°. NP2₁ 108.00000°, 880.00000°.
 λ, 171.00000°. Principal axes: T 2.7450, Plg0.00000°.
 Azm62.00000°; N -0.3640, Plg77.00000°, Azm153.00000°; P -
 2.3820, Plg13.00000°, Azm332.00000°; nsta1 refers to
 body waves, cutoff=40s. nsta2 refers to surface/mantle
 waves, cutoff=50s. Triangular moment-rate function
 DSN 08 15:30:31.9±1.6, 17.03N±41.03E, h10km, m5.7/18 Error
 ellipse: s-maj=25.2km s-min=10.1km az=11.0
 ISC 08 15:30:28.2±0.5, 16.72N±0.03; 40.85E±0.03, h8km, 2km,
 h8km, P, P, n1159, n1199/838, m5.1/253, MS5.1/599,
 S2C-32D, Red Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	Res
FRSS	Farasan al Kab	1.22	89	P	15 30 45.2	-6.2
DRBS	Ad Darb	1.77	51	P	15 30 52.9	-6.3
DRBS	Ad Darb	1.77	51	S	15 31 16.2	-5.8
AMGES	AMGES	1.85	21	P	15 30 54.4	-5.9
BESH5	BESH5	2.01	71	P	15 30 56.1	-6.3
JAZS	Jizan	2.01	80	P	15 30 56.4	-6.1
DJNS	Zahran al Janu	2.76	69	P	15 31 02.8	-4.8
DAMY	Dhamar	4.03	122	eP	15 31 28.8	-1.8
ATD	Arta Tunnel	5.52	159	Pn	15 31 48.4	-2.4
ATD	23nm, 0.3s, baz=93, slow=7.3, SNR=25			S		
ATD	11nm, 0.3s, baz=270, slow=20, SNR=3.1			S	15 32 56.7	+2.3
ATD	Arta Tunnel	5.52	159	P	15 31 48.4	-2.5
ATD	SNR=76					
DESE	Desse	5.69	192	eP	15 31 53.3	-0.1
DESE	Desse	5.69	192	eS	15 32 58.9	-0.4
DESE	Desse	5.69	192	eP	15 31 51.7	-1.8
DESE	Desse	5.69	192	eS	15 33 02.8	+3.5
DESE	Desse	5.69	192	eS	15 31 53.3	-0.1
ANKE	Ethiopia-Afar	7.17	189	eP	15 32 10.7	-3.0
ANKE	Ethiopia-Afar	7.17	189	eS	15 33 42.3	+6.6
ANKE	Ethiopia-Afar	7.17	189	eP	15 32 13.8	+0.1
ANKE	Ethiopia-Afar	7.17	189	eS	15 33 40.1	+4.4
ANKE	Ethiopia-Afar	7.17	189	eP	15 32 10.7	-3.0
ANKE	Ethiopia-Afar	7.17	189	eS	15 33 42.3	+6.6
RAYN	Ar Rayn	8.05	32	ePn	15 32 22.7	-2.9
RAYN	Ar Rayn	8.05	32	iP	15 32 23.6	-2.0
RAYN	Ar Rayn	8.05	32	ePn	15 32 22.7	-2.9
RAYN	Ar Rayn	8.05	32	iP	15 32 23.6	-2.0
FURI	Furi	8.06	195	ePn	15 32 22.8	-3.2
EIL	Eilat	13.97	338	Pn	15 33 46.7	+0.1
EIL	0.3nm, 0.3s, baz=162, slow=12, SNR=12			LR	15 38 10.3	
EIL	0.3nm, 0.3s, baz=154, slow=53			LR		
EIL	Eilat	13.97	338	Pn	15 33 47.0	+0.4
AQBJ	Aqaba	19.39	339	P	15 33 53.3	-1.6
MBRI	Mit Berech	14.10	338	Pn	15 33 48.7	+0.3
HRFI	Mount Harif	14.28	339	Pn	15 33 51.2	+0.4
HRFI	Mount Harif	14.28	339	P	15 33 51.7	+0.9
KRFI	Paran Flat	14.46	338	Pn	15 33 53.7	+0.4
PRNI	Paran	14.58	340	Pn	15 33 55.9	+1.0
ZRFI	Zifri	14.74	340	P	15 33 57.1	+1.1
JDRJ	Daraweish	14.72	342	P	15 34 01.2	-2.0
LISJ	El Lisan	15.26	342	P	15 34 11.1	+2.2
KZIT	Kziot	15.29	339	Pn	15 34 05.2	+0.7
KZIT	Kziot	15.29	339	P	15 34 05.6	+1.1
AJN	Ajban	15.36	57	iP	15 34 04.5	-0.8
AJN	Ajban	15.36	57	P	15 34 06.7	+1.3
MZDA	Masada	15.36	342	Pn	15 34 05.4	+0.2
YTDR	Yatir	15.48	341	Pn	15 34 07.5	+0.5
ASUD	AI Ashush, Dub	15.66	57	iP	15 34 09.6	+0.3
ASUD	AI Ashush, Dub	15.66	57	P	15 34 10.8	+1.5
AMAZ	Amaziza	15.70	341	P	15 34 10.8	+1.0
ALNE	Al Ain	15.76	60	iP	15 34 09.3	-1.3
ASF	Jabal al Asfar	15.79	348	Pn	15 34 10.8	-0.3
ASF	0.3nm, 0.3s, baz=132, slow=7.5, SNR=25			LR	15 39 46.6	
ASF	comp=Z, 7.1μm, 19.6s, baz=129, slow=35			LR		
ASF	Jabal al Asfar	15.79	348	P	15 34 14.4	-0.6
FAQ	Al Faqa, Dubai	15.93	58	iP	15 34 13.4	+0.6
FAQ	Al Faqa, Dubai	15.93	58	P	15 34 14.0	+1.2
NAZ	Nazwa, Dubai	16.09	57	iP	15 34 14.0	-0.9
NAZ	Nazwa, Dubai	16.09	57	P	15 34 16.3	+1.4
ARQ	Araqi	16.13	63	P	15 34 17.6	-1.1
HMDT	Nahal Hemdat	16.20	344	Pn	15 34 16.4	+0.2
ASHO	Ashiyah	16.28	58	iP	15 34 16.5	-0.9
ASHO	Ashiyah	16.28	58	P	15 34 17.7	+0.3
ASHO	Ashiyah	16.28	58	P	15 34 17.7	+0.3
SLTI	Salit	16.32	342	Pn	15 34 17.9	+0.1
UMQJ	Umm Al-Quwin	16.35	55	iP	15 34 16.6	-1.7
MMLI	Mount Malkishu	16.40	344	Pn	15 34 19.3	+0.5
MMLI	Mount Malkishu	16.40	344	P	15 34 20.0	+1.2
HATD	Hatta, Dubai	16.40	58	iP	15 34 18.7	-0.2
HATD	Hatta, Dubai	16.40	58	P	15 34 18.8	-0.2
HATD	Hatta, Dubai	16.40	58	P	15 34 18.8	-0.2
UOSS	Minazif	16.51	58	ePn	15 34 18.7	-1.6
UOSS	Minazif	16.51	58	iP	15 34 19.6	-0.7
UOSS	Minazif	16.51	58	P	15 34 19.7	-0.7
UOSS	Minazif	16.51	58	P	15 34 19.7	-0.7
BSY	Bisyra	16.52	66	P	15 34 22.6	-0.4
MSFE	Esmā-Masafi	16.67	56	iP	15 34 21.2	-1.1
OFRI	Ofer	16.69	343	Pn	15 34 23.3	+0.7
MDH	Madha	16.75	57	iP	15 34 24.0	+0.7
MDH	Madha	16.75	57	P	15 34 23.6	+0.3
MHTO	MHTO	16.75	73	P	15 34 21.2	-2.2
HOQ	Hoqain	16.88	64	P	15 34 25.0	-0.1
MMAI	Mount Meron Ar	16.95	344	P	15 34 26.0	+0.1
MMAI	0.2nm, 0.3s, baz=168, slow=23, SNR=10			S	15 37 39.1	+4.6
MMAI	0.9nm, 0.3s, baz=258, slow=28, SNR=4.9			Lg	15 39 17.6	
MMAI	comp=Z, 8.1μm, 18.1s, baz=180, slow=36			LR		
MMAI	Mount Meron ar	16.95	344	P	15 34 26.2	+0.3
SHME	Shamm	16.99	54	P	15 34 27.1	+0.8
BANOM	Banah	17.05	55	iP	15 34 26.6	-0.5

BANOM	Banah	17.05	55	P	P	15 34 28.9	0.0
KSDI	Kefar Szold	17.05	345	Pn	Pn	15 34 27.9	+0.8
KSDI	Kefar Szold	17.05	345	P	P	15 34 28.5	-0.4
GEM	Givat Ha'Em	17.07	345	Pn	Pn	15 34 28.2	+0.9
HNTI	Hevita	17.08	344	Pn	Pn	15 34 28.2	+0.8
NATI	Neatita	17.10	345	Pn	Pn	15 34 29.0	-0.1
JMDO	Jabal Madar	17.20	68	P	P	15 34 31.3	-0.5
RCY	Rachaya	17.30	346	eP	P	15 34 31.4	+0.3
SMDO	Samad	17.36	66	P	Pn	15 34 34.4	-0.3
BIDO	Bidbid	17.57	65	P	P	15 34 34.4	-0.3
BIDO	SNR=28						
BHL	Bhannes	17.73	346	eP	P	15 34 36.2	-0.4
WSAR	Wadi Sarin	17.92	66	P	P	15 34 36.9	-1.1
WSAR	0.5nm, 0.3s, baz=268, slow=14, SNR=16			S	S	15 38 02.1	-2.6
WSAR	0.3nm, 0.3s, baz=217, slow=20, SNR=2.9			Lg	Lg	15 39 50.5	
WSAR	0.2nm, 0.3s, baz=79, slow=5.2, SNR=3.6			LR	LR	15 42 34.1	
WSAR	0.2nm, 0.3s, baz=229, slow=19, SNR=1.9			LR	LR	15 41 00.0	
WSAR	Wadi Sarin	17.92	66	P	Pn	15 34 35.7	-2.3
WBK	Wadi Bani Khal	18.04	68	P	P	15 34 39.9	0.0
WBK	SNR=76						
KMBO	Kilima Mbo	18.09	192	P	P	15 34 40.6	-0.1
KMBO	0.2nm, 0.3s, baz=229, slow=19, SNR=1.9			Lg	Lg	15 39 58.9	
KMBO	comp=Z, 2.0nm, 0.3s, baz=40, slow=8.9, SNR=11			LR	LR	15 41 00.0	
KMBO	Kilima Mbo	18.09	192	eP	P	15 34 40.6	-0.1
KMBO	Kilima Mbo	18.09	192	eP	P	15 34 40.6	-0.1
KMBO	comp=Z, 2.43nm, 1.9s			pmx	pmx	15 34 42.0	+1.3
KMBO	Kilima Mbo	18.09	192	P	P	15 34 42.0	+1.3
JLN	Jalan Bani Buh	18.32	70	P	P	15 34 44.0	+1.0
CSS	Mathiatis	19.37	341	eP	P	15 34 54.5	+0.1
CSS	0.4nm, 1.4s						
CSS	Mathiatis	19.37	341	Pn	P	15 34 54.3	-0.1
MBAR	Mbarara	19.89	211	P	P	15 34 59.9	-0.5
MBAR	comp=Z, 0.6nm, 0.3s, baz=40, slow=8.9, SNR=11			S	S	15 38 46.5	+0.5
MBAR	comp=Z, 0.6nm, 0.3s, baz=72, slow=20, SNR=1.8			Lg	Lg	15 40 45.0	
MBAR	comp=Z, 0.6nm, 0.3s, baz=35, slow=2.4, SNR=8.2			LR	LR	15 41 36.3	
MBAR	Mbarara	19.89	211	eP	P	15 34 59.7	-0.7
MBAR	comp=Z, 93nm, 1.5s			eS	S	15 38 46.5	+0.5
MBAR	Mbarara	19.89	211	iP	Pn	15 35 01.3	-0.7
MBAR	Gaziantep	20.76	353	iP	P	15 35 12.1	0.0
HCB	Kahramanmara	20.83	351	iP	Pn	15 35 12.9	+0.1
HCB	comp=Z, 72nm, 0.3s			IAML_P			
DED	Mersin	20.86	346	iP	P	15 35 12.5	-0.6
DED	comp=Z, 744nm, 0.6s			IAML_P			
BDM	Batman	21.09	1	iP	P	15 35 16.7	+3.5
ANDN	Andrin	21.15	350	iP	P	15 35 16.6	+2.7
ANDN	comp=Z, 824nm, 0.7s			IAML_P			
KERG	Konya-Eregli	21.45	345	iP	P	15 35 22.2	+5.1
KERG	comp=Z, 238nm, 0.7s			IAML_P			
HANI	Diyarbakir_Han	21.61	359	iP	P	15 35 21.2	+2.4
HANI	comp=Z, 81nm, 0.1s			IAML_P			
ELZG	Elazig	21.75	356	iP	P	15 35 27.2	+6.7
ELZG	comp=Z, 72nm, 0.1s			IAML_P			
YAHY	KAYSERI_Yahyia	21.83	348	iP	P	15 35 26.5	+5.3
YAHY	comp=Z, 156nm, 0.2s			IAML_P			
BINGL	BINGOL	22.15	1	iP	P	15 35 27.9	+3.2
TNCL	Tuncel-Merkez	22.34	357	iP	P	15 35 30.6	+4.0
TNCL	comp=Z, 25nm, 0.1s			IAML_P			
KARP	Karpathos	22.37	330	eP	P	15 35 27.2	+0.3
KARP	comp=Z, 158nm, 0.9s			LR	LR	15 47 35.6	
KARP	Karpathos	22.37	330	P	P	15 35 26.9	0.0
ARG	Arkangelos	22.46	332	P	P	15 35 28.3	+0.4
ARG	Arkangelos	22.46	332	P	P	15 35 32.2	+4.3
ARG	comp=Z, 100nm, 1.6s			pmx	pmx	15 35 33.4	+0.1
KEMA	Kemaliye	22.56	355	iP	P	15 35 33.4	+4.4
KEMA	comp=Z, 231nm, 0.1s			IAML_P			
CUKAN	kangal_SIVAS	22.70	353	iP	P	15 35 38.1	+7.6
ISP	Isparta	22.90	339	eP	P	15 35 32.6	0.0
ISP	comp=Z, 48nm, 0.9s			LR	LR	15 35 33.0	+0.4
ISP	Isparta	22.90	339	iP	P	15 35 33.0	+0.4
ISP	comp=Z, 1.1μm, 20.0s			pmx	pmx	15 35 32.0	-0.6
ISP	Isparta	22.90	339	Pn	P	15 35 21.9	-1.1
LAST							

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Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MALAGA-Limoner, Senefee, Permogore, Sonseca Array, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like WMQ, MTE, MORF, PMTG, PNCL, etc.

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GTA, PAYA, UTTA, KMI, etc.

XAN	Xi'an	62.84	60	eP	P	15 40 53.7	-1.2
XAN	comp=Z,19nm,0.9s			MLR	MLR		
ENH	comp=Z,2um,18.0s						
XAN	Enshi	63.55	64	eP	P	15 40 58.9	-0.8
ENH	comp=Z,82nm,1.8s			LR	LR		
BTO	comp=Z,2um,20.0s						
MYKOM	Baotou	63.59	53	eP	P	15 41 02.9	+3.0
MYKOM	Kota Tinggi	63.66	96	eP	P	15 40 59.8	-0.8
MYKOM	comp=Z,13nm,0.8s			LR	LR		
MYKOM	comp=Z,600nm,21.0s						
MYKOM	Kota Tinggi	63.66	96	P	P	15 41 01.0	+0.4
KBS	Kingsbay	63.72	354	eP	P	15 41 10.0	+1.0
KBS	comp=Z,1um,20.0s			MLR	MLR		
KBS	Kingsbay	63.72	354	eP	P	15 41 00.8	+0.9
HHC	comp=Z,169nm,2.5s			MLR	MLR		
HHC	Hu-ho-hao-te	64.76	52	P	P	15 41 08.4	+0.8
HHC	comp=Z,2um,1.1s			S	S	15 49 47.2	-1.5
HHC	comp=Z,420nm,5.8s			SS	SS	15 49 54.9	+2.8
HHC	comp=Z,600nm,14.9s			SS	SS	15 50 02.2	+0.6
HHC	comp=Z,26nm,1.1s			MLR	MLR		
HHC	comp=Z,420nm,5.8s			MLR	MLR		
HHC	comp=Z,600nm,14.9s			LR	LR		
HHC	comp=Z,2um,18.8s			LR	LR		
HHC	comp=Z,3um,18.4s			LR	LR		
QIZ	Qiongzong	65.32	76	P	P	15 41 20.0	+8.6
QIZ	comp=Z,800nm,21.0s			LR	LR		
QIZ	Qiongzong	65.32	76	P	P	15 41 09.8	-1.6
QIZ	comp=Z,4.0nm,0.4s			S	S	15 49 54.9	-1.0
QIZ	comp=Z,720nm,20.6s			SS	SS	15 54 08.6	-0.3
QIZ	comp=Z,750nm,18.1s			MLR	MLR		
QIZ	comp=Z,760nm,17.3s			LR	LR		
SCO	Scoresbysund	65.38	341	eP	P	15 41 10.4	-0.5
SCO	comp=Z,20nm,1.3s			LR	LR		
SCO	Scoresbysund	65.38	341	eP	P	15 41 10.4	-0.5
SCO	comp=Z,600nm,19.0s			MLR	MLR		
SCO	comp=Z,20nm,1.3s			LR	LR		
DLV	T Lat	65.45	84	eP	P	15 41 11.5	-1.0
DLV	comp=Z,600nm,19.0s			LR	LR		
DLV	comp=Z,118nm,1.9s			LR	LR		
BOD	Bodaibo	67.04	34	eP	P	15 41 20.4	-1.3
BOD	comp=Z,53nm,1.8s			MLR	MLR		
WHN	Wuhan	67.71	63	P	P	15 41 21.9	-4.6
WHN	comp=Z,4um,19.4s			S	S	15 50 21.4	-3.2
WHN	comp=Z,4um,19.6s			SS	SS	15 54 48.6	+3.1
WHN	comp=Z,4um,19.6s			LR	LR		
WHN	comp=Z,3um,17.1s			LR	LR		
HKPS	Hong Kong Po S	68.72	72	P	P	15 41 40.0	+7.0
HKPS	comp=Z,800nm,20.0s			LR	LR		
TIA	Tai'an	69.39	57	P	P	15 41 40.4	+3.5
TIA	comp=Z,19nm,1.7s			MLR	MLR		
KSM	Kuching	69.92	95	eP	P	15 41 40.2	-0.3
KSM	comp=Z,500nm,21.0s			LR	LR		
KSM	Kuching	69.92	95	P	P	15 41 42.0	+1.5
AMSSA	Amssalik, Gr	70.15	334	P	P	15 41 50.0	+9.0
AMSSA	comp=Z,500nm,19.0s			LR	LR		
HIA	Hailar	70.31	43	P	P	15 41 50.0	+7.6
HIA	comp=Z,3um,19.0s			LR	LR		
NJ2	Nanjing	71.33	61	eP	P	15 41 49.5	+0.6
NJ2	comp=Z,14nm,0.7s			pP	pP	15 41 53.2	+1.5
NJ2	comp=Z,170nm,3.7s			S	S	15 51 11.9	+4.7
NJ2	comp=Z,2um,16.1s			MLR	MLR		
NJ2	comp=Z,2um,15.2s			LR	LR		
NJ2	comp=Z,1um,14.2s			LR	LR		
SBUM	Sibu	71.46	93	eP	P	15 41 49.5	-0.5
SBUM	comp=Z,34nm,1.7s			LR	LR		
SBUM	comp=Z,400nm,20.0s			LR	LR		
SBUM	Sibu	71.46	93	P	P	15 41 52.0	+2.1
KNMB	Chin-men Tao	72.17	69	P	P	15 42 10.0	+1.6
KNMB	comp=Z,800nm,20.0s			LR	LR		
QZH	Quanzhou	72.27	69	eP	P	15 41 53.6	-1.0
QZH	comp=Z,910nm,17.1s			S	S	15 51 22.7	+4.4
QZH	comp=Z,960nm,17.7s			LR	LR		
QZH	comp=Z,1um,15.7s			LR	LR		
DL2	Dalian	72.62	54	P	P	15 42 00.4	+3.9
DL2	comp=Z,30nm,1.4s			SKIKP	SKIKP	15 51 27.5	-4.2
DL2	comp=Z,290nm,3.6s			SS	SS	15 56 01.4	+0.6
DL2	comp=Z,2um,19.7s			MLR	MLR		
DL2	comp=Z,2um,19.7s			LR	LR		
DL2	comp=Z,1um,22.1s			LR	LR		
DL2	comp=Z,2um,20.3s			LR	LR		
SNY	Shenyang	73.70	51	P	P	15 42 02.2	-0.6
SNY	comp=Z,200nm,8.2s			PP	PP	15 44 50.8	+3.8
SNY	comp=Z,850nm,16.5s			S	S	15 51 37.5	+3.5
SNY	comp=Z,3um,17.8s			MLR	MLR		
SNY	comp=Z,4um,17.3s			LR	LR		
KKM	Kota Kinabalu	74.30	88	eP	P	15 42 06.7	-0.2
KKM	comp=Z,129nm,1.8s			LR	LR		
KKM	comp=Z,800nm,20.0s			LR	LR		
KKM	Kota Kinabalu	74.30	88	P	P	15 42 08.0	+1.1
TPUB	Ta-pu	74.41	70	P	P	15 42 20.0	+1.3
TPUB	comp=Z,800nm,22.0s			LR	LR		
ZEA	Zeya	74.59	38	eP	P	15 42 10.8	+3.0
ZEA	comp=Z,100nm,2.0s			eS	eS	15 51 48.0	+4.4
ZEA	comp=Z,400nm,4.0s			PnS	PnS	15 52 19.0	+1.9
ZEA	comp=Z,100nm,2.0s			MLR	MLR		
ZEA	comp=Z,400nm,4.0s			MLR	MLR		
ZEA	comp=E,500nm,8.0s			MLR	MLR		
ZEA	comp=N,400nm,10.0s			MLR	MLR		
ZEA	comp=E,1um,15.0s			MLR	MLR		

SSLB	comp=Z,2um,15.0s						
SSLB	Suanguiling	74.61	69	P	P	15 42 20.0	+1.2
CN2	comp=Z,700nm,20.0s						
CN2	Changchun	74.78	48	eP	P	15 42 12.9	+3.8
CN2	comp=Z,20nm,1.2s			eS	eS	15 40 20.0	-3.2
CN2	comp=Z,2um,20.0s			MLR	MLR		
CN2	comp=Z,2um,20.0s			LR	LR		
CN2	comp=Z,3um,20.0s			LR	LR		
YHNB	Yeheng	74.80	68	P	P	15 42 20.0	+1.0
YHNB	comp=Z,1um,18.0s			LR	LR		
TATO	Taipei	74.84	68	P	P	15 42 20.0	+1.0
TATO	comp=Z,700nm,18.0s			LR	LR		
YAK	Yakutsk	74.85	29	eP	P	15 42 08.6	-0.4
YAK	comp=Z,14nm,0.9s			LR	LR		
YAK	comp=Z,1um,19.0s			MLR	MLR		
YAK	Yakutsk	74.85	29	eP	P	15 42 09.6	+0.5
YAK	comp=Z,2um,18.2s			ePP	ePP	15 42 15.3	+3.4
YAK	comp=Z,2um,18.2s			e	e	15 42 25.9	
YAK	comp=Z,2um,18.2s			eS	eS	15 44 54.7	
YAK	comp=Z,2um,18.2s			ePPP	ePPP	15 46 43.1	
YAK	comp=Z,2um,18.2s			e	e	15 51 47.8	+1.7
YAK	comp=Z,2um,18.2s			eSS	eSS	15 52 24.0	
YAK	comp=Z,2um,18.2s			eSSS	eSSS	15 56 40.4	+6.8
YAK	comp=Z,2um,18.2s			eSSS	eSSS	15 59 56.1	
YAK	comp=Z,2um,18.2s			eSSS	eSSS	15 42 20.0	+1.0
TWG	Pinlang	74.91	70	P	P	15 42 20.0	+9.3
TWG	comp=Z,3um,22.0s			LR	LR		
YULB	Yu-li	74.99	70	P	P	15 42 20.0	+9.3
YULB	comp=Z,700nm,20.0s			LR	LR		
NACB	Ninganchiao	75.10	69	P	P	15 42 20.0	+8.7
NACB	comp=Z,1um,18.0s			LR	LR		
ILULI	Ilulissat	75.20	338	P	P	15 42 20.0	+9.1
ILULI	comp=Z,700nm,19.0s			LR	LR		
SFJD	Kangerlussuaq	75.33	336	P	P	15 42 20.0	+8.3
SFJD	comp=Z,800nm,18.0s			LR	LR		
YOJ	Yonaguni jima	76.30	68	P	P	15 42 30.0	+1.2
YOJ	comp=Z,800nm,20.0s			LR	LR		
MDJ	Mudanjiang	77.58	47	P	P	15 42 40.0	+1.5
MDJ	comp=Z,2um,18.0s			P	P	15 42 29.0	+4.0
MDJ	comp=Z,2um,18.0s			pP	pP	15 42 33.7	-1.5
MDJ	comp=Z,2um,18.0s			sP	sP	15 42 36.0	+8.1
MDJ	comp=Z,2um,18.0s			PP	PP	15 45 24.0	+4.4
MDJ	comp=Z,2um,18.0s			S	S	15 52 19.8	+3.0
MDJ	comp=Z,2um,18.0s			sS	sS	15 52 25.1	+4.8
MDJ	comp=Z,18nm,1.0s			MLR	MLR		
MDJ	comp=Z,170nm,3.3s			MLR	MLR		
MDJ	comp=Z,2um,17.3s			LR	LR		
MDJ	comp=Z,960nm,15.7s			LR	LR		
MDJ	comp=Z,2um,18.2s			eP	eP	15 42 25.2	-0.7
KS15	Wonju Array Si	77.73	54	P	P	15 42 25.2	-0.9
KS15	comp=Z,69nm,1.6s			LR	LR		
KSRS	Korea Array	77.76	54	P	P	15 42 25.2	-0.9
KSRS	comp=Z,3.1nm,0.8s,baz=272,slow=6.5,SNR=11			LR	LR		
KSRS	comp=Z,3.1nm,0.8s,baz=272,slow=6.5,SNR=11			LR	LR		
TULEG	Thule	78.32	347	P	P	15 42 40.0	+1.2
TULEG	comp=Z,1um,18.8s,baz=280,slow=40			LR	LR		
RCBR	Riachuelo	79.06	261	P	P	15 42 40.0	+6.2
RCBR	comp=Z,1um,18.0s			LR	LR		
USRK	Ussuriysk Ar.	79.34	47	P	P	15 42 34.5	-0.2
USRK	comp=Z,3.8nm,0.8s,baz=280,slow=4.2,SNR=12			LR	LR		
USRK	comp=Z,1um,18.1s,baz=275,slow=30			LR	LR		
GRNR	Gornyy	80.69	40	eP	P	15 42 43.4	+1.5
GRNR	comp=Z,223nm,19.9s,baz=120,slow=34			LR	LR		
KAPI	Kappang	80.86	98	eP	P	15 42 41.5	-2.0
KAPI	comp=Z,1						

8d 15h

MDM	comp=Z,400nm,21.0s		LR	LR	
COLA	College	98.38	4	PFAKE	LR
COLA	comp=Z,400nm,22.0s		LR	LR	15 44 20.0 +13
MNMY	Mt. Morris Dam	98.41	319	PFAKE	LR
MNMY	comp=Z,600nm,19.0s		LR	LR	15 44 20.0 +13
MEDO	Medina	98.52	320	PFAKE	LR
MEDO	comp=Z,700nm,21.0s		LR	LR	15 44 20.0 +12
ILAR	Eielson Array	98.54	3	P	P
ILAR	comp=Z,0.5nm,0.8s,baz=327,slow=3.0,SNR=5.6		PP	PP	15 48 06.0 -1.3
ILAR	comp=Z,2.4nm,1.1s,baz=353,slow=7.1,SNR=10		LR	LR	15 48 11.3 +4.4
ILAR	comp=Z,1.87nm,18.2s,baz=320,slow=40		LR	LR	16 35 47.8
ILB	Eielson Array	98.54	3	eP	P
J54A	Appleton	98.58	320	PFAKE	LR
J54A	comp=Z,1.9nm,2.0s		LR	LR	15 44 20.0 +12
CCB	Clear Creek Bu	98.61	4	PFAKE	LR
CCB	comp=Z,400nm,22.0s		LR	LR	15 44 20.0 +12
YKW3	Yellowknife Ar	98.65	349	PFAKE	LR
YKW3	comp=Z,500nm,21.0s		LR	LR	15 44 08.6 +0.6
YKA	Yellowknife Ar	98.71	349	P	Pdf
YKA	comp=Z,0.4nm,0.5s,baz=32,slow=4.8,SNR=4.8		PP	PP	15 48 08.2 +0.1
YKA	comp=Z,0.1nm,0.3s,baz=18,slow=7.5,SNR=4.0		LR	LR	16 29 17.0
YKA	comp=Z,3.7nm,21.1s,baz=16,slow=36		LR	LR	15 44 08.6 +0.6
YKBS	Yellowknife Ar	98.71	349	eP	Pdf
YKBS	comp=Z,0.4nm,0.5s,baz=32,slow=4.8,SNR=4.8		PP	PP	15 48 08.2 +0.1
WRA	Warramunga Arr	98.74	108	eP	P
WRA	comp=Z,1.7nm,0.9s,baz=294,slow=5.2,SNR=2.2		PP	PP	15 44 08.8 -0.2
WR1	Warramunga Arr	98.74	108	eP	P
EGAK	Eagle	98.74	1	PFAKE	LR
EGAK	comp=Z,500nm,21.0s		LR	LR	15 44 20.0 +12
WB2	Warramunga Arr	98.75	108	PFAKE	LR
WB2	comp=Z,500nm,21.0s		LR	LR	15 44 20.0 +11
WRH	Wood River Hill	98.77	4	PFAKE	LR
WRH	comp=Z,600nm,22.0s		LR	LR	15 44 20.0 +12
MVL	Millersville	98.82	316	PFAKE	LR
MVL	comp=Z,500nm,21.0s		LR	LR	15 44 20.0 +11
HDA	Harding Lake	98.90	3	PFAKE	LR
HDA	comp=Z,1.15nm,20.0s		LR	LR	15 44 20.0 +11
BPBW	Bear Paw Mtn.	98.92	5	PFAKE	LR
BPBW	comp=Z,400nm,21.0s		LR	LR	15 44 20.0 +11
PAGS	Pennsylvania G	98.95	317	PFAKE	LR
PAGS	comp=Z,600nm,22.0s		LR	LR	15 44 20.0 +10
BWN	Browne	98.97	5	PFAKE	LR
BWN	comp=Z,500nm,19.0s		LR	LR	15 44 20.0 +11
ASAR	Alice Springs	99.27	112	P	Pdf
ASAR	comp=Z,600nm,20.0s		LR	LR	15 44 10.4 -0.9
ASAR	comp=Z,0.3nm,0.7s,baz=285,slow=4.4,SNR=1.1		LR	LR	16 27 15.3
AS31	Alice Springs	99.27	112	eP	Pdf
AS31	comp=Z,2.78nm,18.1s,baz=286,slow=34		LR	LR	15 44 10.4 -0.9
MCK	McKinley	99.44	4	PFAKE	LR
MCK	comp=Z,2.5nm,1.5s		LR	LR	15 44 20.0 +8.7
SDMD	Soldier's Deli	99.44	316	PFAKE	LR
SDMD	comp=Z,500nm,20.0s		LR	LR	15 44 20.0 +8.2
KTH	Kantishna Hill	99.46	5	PFAKE	LR
KTH	comp=Z,300nm,19.0s		LR	LR	15 44 20.0 +8.5
DAWY	Dawson	99.47	0	PFAKE	LR
DAWY	comp=Z,700nm,21.0s		LR	LR	15 44 20.0 +8.5
CAST	Castle Rocks	99.48	6	PFAKE	LR
CAST	comp=Z,400nm,20.0s		LR	LR	15 44 20.0 +8.5
SSPA	Standing Stone	99.50	317	PFAKE	LR
SSPA	comp=Z,600nm,21.0s		LR	LR	15 44 20.0 +7.9
TTA	Tatalina	99.51	8	PFAKE	LR
TTA	comp=Z,400nm,18.0s		LR	LR	15 44 20.0 +8.3
S61A	Accomac	99.52	314	PFAKE	LR
S61A	comp=Z,600nm,18.0s		LR	LR	15 44 20.0 +7.8
RND	Reindeer	99.77	4	PFAKE	LR
RND	comp=Z,700nm,20.0s		LR	LR	15 44 20.0 +7.1
DOT	Dot Lake	99.80	2	PFAKE	LR
DOT	comp=Z,400nm,20.0s		LR	LR	15 44 20.0 +7.1
PPLA	Purkeypile	99.98	6	PFAKE	LR
PPLA	comp=Z,400nm,20.0s		LR	LR	15 44 20.0 +6.1
E46A	Sault Ste Mari	100.12	325	PFAKE	LR
E46A	comp=Z,600nm,21.0s		LR	LR	15 44 30.0 +15
N55A	Marion Center	100.13	318	PFAKE	LR
N55A	comp=Z,500nm,18.0s		LR	LR	15 44 30.0 +15
O56A	Blue Knob Stat	100.13	317	PFAKE	LR
O56A	comp=Z,600nm,18.0s		LR	LR	15 44 30.0 +15
M54A	Oil Creek Stat	100.17	319	PFAKE	LR
M54A	comp=Z,500nm,20.0s		LR	LR	15 44 30.0 +15
SJG	San Juan	100.25	292	PFAKE	LR
SJG	comp=Z,400nm,20.0s		LR	LR	15 44 30.0 +14
PAX	Paxson	100.41	3	PFAKE	LR
PAX	comp=Z,800nm,20.0s		LR	LR	15 44 30.0 +14
CBN	Corbin Frederi	100.42	315	PFAKE	LR
CBN	comp=Z,400nm,18.0s		LR	LR	15 44 30.0 +14
MENT	Mentasta	100.52	2	PFAKE	LR
MENT	comp=Z,300nm,20.0s		LR	LR	15 44 30.0 +14
T60A	Surry	100.52	314	PFAKE	LR
T60A	comp=Z,500nm,19.0s		LR	LR	15 44 30.0 +13
H48A	Harrisville	100.56	323	PFAKE	LR
H48A	comp=Z,500nm,20.0s		LR	LR	15 44 30.0 +13
PTGA	Pitinga	100.56	272	PFAKE	LR
PTGA	comp=Z,500nm,20.0s		LR	LR	15 44 30.0 +13
N54A	Moraine State	100.67	319	PFAKE	LR
N54A	comp=Z,1.1nm,20.0s		LR	LR	15 44 30.0 +13
I49A	Point Hope	100.72	322	PFAKE	LR
I49A	comp=Z,600nm,21.0s		LR	LR	15 44 30.0 +13
U61A	Possum Corner	100.72	313	PFAKE	LR
U61A	comp=Z,400nm,20.0s		LR	LR	15 44 30.0 +12
V62A	Hyde County Ai	100.76	312	PFAKE	LR
V62A	comp=Z,800nm,18.0s		LR	LR	15 44 30.0 +12
E44A	Grand Marais A	100.84	326	PFAKE	LR
E44A	comp=Z,800nm,22.0s		LR	LR	15 44 30.0 +12
R58B	Mineral	100.88	315	PFAKE	LR
R58B	comp=Z,500nm,18.0s		LR	LR	15 44 30.0 +12
V61A	Roper	101.09	313	PFAKE	LR
V61A	comp=Z,500nm,18.0s		LR	LR	15 44 30.0 +11
T59A	Double "B" Far	101.17	314	PFAKE	LR
T59A	comp=Z,600nm,18.0s		LR	LR	15 44 30.0 +10
SS8A	Poland Farm, P	101.18	315	PFAKE	LR
SS8A	comp=Z,700nm,18.0s		LR	LR	15 44 30.0 +10
M52A	Chesterland	101.21	320	PFAKE	LR
M52A	comp=Z,500nm,21.0s		LR	LR	15 44 30.0 +10
GLMI	Graying	101.23	324	PFAKE	LR
GLMI	comp=Z,500nm,21.0s		LR	LR	15 44 30.0 +10

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GLMI	comp=Z,600nm,18.0s		LR	LR	
K50A	Casco	101.28	321	PFAKE	LR
K50A	comp=Z,500nm,22.0s		LR	LR	15 44 30.0 +10
MCWV	Mont Chateau	101.29	317	PFAKE	LR
MCWV	comp=Z,200nm,19.0s		LR	LR	15 44 30.0 +10
N53A	Lisbon	101.30	319	PFAKE	LR
N53A	comp=Z,500nm,20.0s		LR	LR	15 44 30.0 +10
SVW2	Sparrehohn	101.34	8	PFAKE	LR
SVW2	comp=Z,800nm,18.0s		LR	LR	15 44 30.0 +10
SML	Sawmill	101.39	4	PFAKE	LR
SML	comp=Z,400nm,21.0s		LR	LR	15 44 30.0 +10
SCM	Sheep Creek Mo	101.44	4	PFAKE	LR
SCM	comp=Z,400nm,21.0s		LR	LR	15 44 30.0 +10
PMR	Palmer	101.55	5	PFAKE	LR
PMR	comp=Z,400nm,21.0s		LR	LR	15 44 30.0 +9.4
E43A	Lone Tree Farm	101.57	326	PFAKE	LR
E43A	comp=Z,500nm,21.0s		LR	LR	15 44 30.0 +8.8
V60A	Jim Taylor Roa	101.58	313	PFAKE	LR
V60A	comp=Z,400nm,20.0s		LR	LR	15 44 30.0 +8.6
I47A	Gladwin	101.65	323	PFAKE	LR
I47A	comp=Z,600nm,20.0s		LR	LR	15 44 30.0 +8.5
U59A	Littleton	101.65	314	PFAKE	LR
U59A	comp=Z,500nm,19.0s		LR	LR	15 44 30.0 +8.3
J48A	Bridge Port	101.66	322	PFAKE	LR
J48A	comp=Z,700nm,22.0s		LR	LR	15 44 30.0 +8.4
G45A	Suttons Bay	101.68	324	PFAKE	LR
G45A	comp=Z,600nm,22.0s		LR	LR	15 44 30.0 +8.4
C40A	Isle Royale Na	101.70	328	PFAKE	LR
C40A	comp=Z,600nm,19.0s		LR	LR	15 44 30.0 +8.4
S57A	Dark Hollow, R	101.71	315	PFAKE	LR
S57A	comp=Z,400nm,18.0s		LR	LR	15 44 30.0 +8.0
KNK	Knik Glacier	101.78	5	PFAKE	LR
KNK	comp=Z,600nm,19.0s		LR	LR	15 44 30.0 +8.2
SPIA	Saint Paul Isl	101.95	17	PFAKE	LR
SPIA	comp=Z,300nm,22.0s		LR	LR	15 44 30.0 +7.5
D41A	Chassel	101.96	327	PFAKE	LR
D41A	comp=Z,1.1nm,18.0s		LR	LR	15 44 30.0 +7.2
RC01	Rabbit Creek A	101.99	5	PFAKE	LR
RC01	comp=Z,800nm,18.0s		LR	LR	15 44 30.0 +7.3
FFC	Flin Flon	102.12	339	PFAKE	LR
FFC	comp=Z,700nm,22.0s		LR	LR	15 44 30.0 +6.6
AAM	Ann Arbor	102.17	321	PFAKE	LR
AAM	comp=Z,500nm,19.0s		LR	LR	15 44 30.0 +6.1
N51A	Ashland	102.19	320	PFAKE	LR
N51A	comp=Z,500nm,21.0s		LR	LR	15 44 30.0 +6.0
R55A	Marlinton	102.21	316	PFAKE	LR
R55A	comp=Z,600nm,19.0s		LR	LR	15 44 30.0 +5.7
CNNC	Cliffs of the	102.29	313	PFAKE	LR
CNNC	comp=Z,500nm,20.0s		LR	LR	15 44 40.0 +15
Q54A	Coxs Mills	102.30	317	PFAKE	LR
Q54A	comp=Z,800nm,21.0s		LR	LR	15 44 40.0 +15
J47A	Sumner	102.30	323	PFAKE	LR
J47A	comp=Z,600nm,20.0s		LR	LR	15 44 40.0 +16
O52A	Adamsville	102.31	319	PFAKE	LR
O52A	comp=Z,700nm,22.0s		LR	LR	15 44 40.0 +15
T57A	Hurt	102.32	315	PFAKE	LR
T57A	comp=Z,400nm,20.0s		LR	LR	15 44 40.0 +15
M50A	Fremont	102.33	320	PFAKE	LR
M50A	comp=Z,500nm,18.0s		LR	LR	15 44 40.0 +15
P53A	Whipple	102.38	318	PFAKE	LR
P53A	comp=Z,600nm,19.0s		LR	LR	15 44 40.0 +15
GLI	Glacier Island	102.40	4	PFAKE	LR
GLI	comp=Z,400nm,21.0s		LR	LR	15 44 40.0 +15
BALM	Baldy	102.47	2	PFAKE	LR
BALM	comp=Z,400nm,19.0s		LR	LR	15 44 40.0 +15
I45A	Fountain	102.63	324	PFAKE	LR
I45A	comp=Z,300nm,20.0s		LR	LR	15 44 40.0 +14
HYT	Haines Junctio	102.71	359	PFAKE	LR
HYT	comp=Z,800nm,18.0s		LR	LR	15 44 40.0 +14
WHY	Whitehorse	102.81	358	PFAKE	LR
WHY	comp=Z,400nm,21.0s		LR	LR	15 44 40.0 +14
EYAK	Cordova Ski Ar	102.81	3	PFAKE	LR
EYAK	comp=Z,400nm,20.0s		LR	LR	15 44 40.0 +14
EYMN	Ely	102.84	329	PFAKE	LR
EYMN	comp=Z,700nm,19.0s		LR	LR	15 44 40.0 +13
COWI	Conover	102.89	327	PFAKE	LR
COWI	comp=Z,500nm,22.0s		LR	LR	15 44 40.0 +13
ACSO	Alum Creek Sta	102.97	319	PFAKE	LR
ACSO	comp=Z,500nm,20.0s		LR	LR	15 44 40.0 +13
SEW	Seward	102.99	5	PFAKE	LR
SEW	comp=Z,600nm,18.0s		LR	LR	15 44 40.0 +13
BLA	Blacksburg	102.99	316	PFAKE	LR
BLA	comp=Z,900nm,20.0s		LR	LR	15 44 40.0 +12
J45A	Montague	103.09	323	PFAKE	LR
J45A	comp=Z,500nm,18.0s		LR	LR	15 44 40.0 +12
Y60A	Bolivia	103.15	312	PFAKE	LR
Y60A	comp=Z,500nm,19.0s		LR	LR	15 44 40.0 +12
BRLK	Bradley Lake	103.19	6	PFAKE	LR
BRLK	comp=Z,600nm,21.0s		LR	LR	15 44 40.0 +12
H43A	Windswept, Lux	103.21	325	PFAKE	LR
H43A	comp=Z,700nm,19.0s		LR	LR	15 44 40.0 +12
HOM	Homer	103.21	6	PFAKE	LR
HOM	comp=Z,800nm,18.0s		LR	LR	15 44 40.0

T49A	comp=Z,800nm,22.0s	LR	LR		
W52A	Murphy 106.53 315	PFAKE	LR	15 49 10.0	+16
HDIL	Hopedale 106.58 323	PFAKE	LR	15 49 10.0	+16
QSPA	South Pole Qui 106.64 180	PFAKE	LR	15 49 00.0	+6.4
MDND	Maddock 106.64 333	PFAKE	LR	15 49 10.0	+16
L40A	Anamosa 106.69 325	PFAKE	LR	15 49 10.0	+16
CPCT	Cooper Cave 106.72 316	PFAKE	LR	15 49 10.0	+15
WRAK	Wrangell Islan 106.92 356	PFAKE	LR	15 49 10.0	+16
OLIL	Olney 107.03 320	PFAKE	LR	15 49 10.0	+15
GOGA	Godfrey 107.16 314	PFAKE	LR	15 49 10.0	+14
USIN	University of 107.24 320	PFAKE	LR	15 49 10.0	+14
255A	Hazlehurst 107.28 312	PFAKE	LR	15 49 10.0	+14
Y52A	Lilburn 107.32 314	PFAKE	LR	15 49 10.0	+14
GTBY	Guantanamo Bay 107.32 298	PFAKE	LR	15 49 10.0	+14
154A	Montrose 107.35 313	PFAKE	LR	15 49 10.0	+14
N41A	Harden Midland 107.39 324	PFAKE	LR	15 49 10.0	+14
W50A	Signal Mountai 107.39 316	PFAKE	LR	15 49 10.0	+14
X51A	Calhoun 107.46 315	PFAKE	LR	15 49 10.0	+14
T47A	Sharon Grove 107.49 319	PFAKE	LR	15 49 10.0	+14
CLTN	Cedars of Leba 107.53 317	PFAKE	LR	15 49 10.0	+14
456A	Hilliard 107.60 311	PFAKE	LR	15 49 10.0	+14
658A	Bunnell 107.73 309	PFAKE	LR	15 49 10.0	+13
SWET	Sewanee 107.79 316	PFAKE	LR	15 49 10.0	+13
SCIA	State Center 107.89 326	PFAKE	LR	15 49 10.0	+13
DGMT	Dagmar 108.01 336	PFAKE	LR	15 49 10.0	+13
V48A	Smith Brothers 108.06 317	PFAKE	LR	15 49 10.0	+13
060A	Indiantown 108.27 307	PFAKE	LR	15 49 10.0	+12
TIGA	Tifton 108.34 312	PFAKE	LR	15 49 10.0	+12
ECSD	EROS Data Cent 108.35 329	PFAKE	LR	15 49 10.0	+12
253A	Americus 108.38 313	PFAKE	LR	15 49 10.0	+12
SLM	Saint Louis 108.38 322	PFAKE	LR	15 49 10.0	+12
T45A	Paducah 108.44 319	PFAKE	LR	15 49 10.0	+12
152A	Waverly Hall 108.45 314	PFAKE	LR	15 49 10.0	+12
WVT	Waverly 108.47 318	PFAKE	LR	15 49 10.0	+12
DWPF	Disney Wildern 108.54 308	PFAKE	LR	15 49 10.0	+12
555A	McAlpin 108.61 311	PFAKE	LR	15 49 10.0	+12
656A	Willston 108.70 310	PFAKE	LR	15 49 10.0	+11
059A	Moore Haven 108.91 307	PFAKE	LR	15 49 10.0	+11
Y49A	Blount Mountai 108.91 316	PFAKE	LR	15 49 10.0	+11
Z50A	Ashland 108.94 315	PFAKE	LR	15 49 10.0	+11
X48A	Hartselle 108.98 316	PFAKE	LR	15 49 10.0	+11
453A	Whigham 109.19 312	PFAKE	LR	15 49 10.0	+11
352A	Blakely 109.27 313	PFAKE	LR	15 49 10.0	+10
061Z	Ochoppi 109.28 306	PFAKE	LR	15 49 10.0	+10
GLAT	Glass 109.31 319	PFAKE	LR	15 49 10.0	+11
PLAL	Pickwick Lake 109.34 317	PFAKE	LR	15 49 10.0	+10
PARMO	Parma 109.35 320	PFAKE	LR	15 49 10.0	+10
CCM	Cathedral Cave 109.36 322	PFAKE	LR	15 49 10.0	+10
957A	Wimauma 109.38 308	PFAKE	LR	15 49 10.0	+10
PVMO	Portageville 109.48 319	PFAKE	LR	15 49 10.0	+10
HALT	Halls 109.57 319	PFAKE	LR	15 49 10.0	+10
PBMO	Poplar Bluff 109.70 320	PFAKE	LR	15 49 10.0	+10
LRLAL	Lakeview Retre 109.80 315	PFAKE	LR	15 49 10.0	+10
250A	Grady 109.92 314	PFAKE	LR	15 49 10.0	+9.2
GNAR	Gosnell 109.96 319	PFAKE	LR	15 49 10.0	+9.3
TRQA	Tornquist 110.09 235	PFAKE	LR	15 49 10.0	+9.2

TRQA	comp=Z,2µm,20.0s	LR	LR		
MTDJ	Mount Denham 110.12 297	PFAKE	LR	15 49 10.0	+8.4
DIB	Dawson Inlet, 110.13 356	PFAKE	LR	15 49 10.0	+10
LAO	LASA Array 110.26 336	PFAKE	LR	15 49 10.0	+8.9
451A	Vernon 110.33 312	PFAKE	LR	15 49 10.0	+8.4
EGMT	Eagleton 110.39 339	PFAKE	LR	15 49 10.0	+8.7
OXF	Oxford 110.49 318	PFAKE	LR	15 49 10.0	+8.2
HBAR	Harrisburg 110.62 319	PFAKE	LR	15 49 10.0	+8.0
WALA	Waterton Lakes 110.78 343	PFAKE	LR	15 49 10.0	+7.9
147A	Livingston 110.87 316	PFAKE	LR	15 49 10.0	+7.5
BRAL	Brewton 110.93 314	PFAKE	LR	15 49 10.0	+7.3
FCAR	Ozark Folk Cen 111.31 320	PFAKE	LR	15 49 10.0	+6.7
X43A	Marvell 111.43 319	PFAKE	LR	15 49 10.0	+6.5
RSSD	Black Hills 111.47 334	PFAKE	LR	15 49 10.0	+6.3
KSU1	Kansas State U 111.70 326	PFAKE	LR	15 49 10.0	+6.1
WHAR	Woolly Hollow 111.81 320	PFAKE	LR	15 49 20.0	+16
W41B	Gary Mavity, V 111.86 320	PFAKE	LR	15 49 20.0	+16
UALR	University of 112.18 320	PFAKE	LR	15 49 20.0	+15
NEW	Newport 112.38 344	PFAKE	LR	15 49 20.0	+15
ROSC	El Rosal 112.46 283	PFAKE	LR	15 49 20.0	+13
VBMS	Vicksburg 112.64 316	PFAKE	LR	15 49 20.0	+14
X40A	Basin Creek Fa 112.67 320	PFAKE	LR	15 49 20.0	+14
W39A	Magazine 112.78 321	PFAKE	LR	15 49 20.0	+14
MSO	Missoula 112.79 342	PFAKE	LR	15 49 20.0	+14
OGNE	Ogallala 113.08 330	PFAKE	LR	15 49 20.0	+13
MIAR	Mount Ida 113.09 320	PFAKE	LR	15 49 20.0	+13
C09A	Chrisman Ranch 113.10 345	PFAKE	LR	15 49 20.0	+14
BOZ	Bozeman (W) 113.14 339	PFAKE	LR	15 49 20.0	+13
WLAR	White Oak Lake 113.37 319	PFAKE	LR	15 49 20.0	+13
Z41A	Richland Creek 113.46 319	PFAKE	LR	15 49 20.0	+13
TUL1	Leonard 113.49 323	PFAKE	LR	15 49 20.0	+13
LKWY	Lake 113.61 338	PFAKE	LR	15 49 20.0	+12
DLMT	Dillon 113.67 340	PFAKE	LR	15 49 20.0	+12
K22A	Casper 113.72 334	PFAKE	LR	15 49 20.0	+12
H17A	Grant Village 113.82 338	PFAKE	LR	15 49 20.0	+12
D08A	Wollman Farm, 113.96 345	PFAKE	LR	15 49 20.0	+12
FLWY	Flagg Ranch 114.13 338	PFAKE	LR	15 49 20.0	+11
X37A	Clayton 114.15 321	PFAKE	LR	15 49 20.0	+11
LTY	Liberty 114.18 346	PFAKE	LR	15 49 20.0	+11
E09A	Wood Farm, Sta 114.26 344	PFAKE	LR	15 49 20.0	+11
PHWY	Pilot Hill 114.37 333	PFAKE	LR	15 49 20.0	+11
IMW	Indian Meadow 114.38 338	PFAKE	LR	15 49 20.0	+11
MOOW	Moose Pond, 114.44 338	PFAKE	LR	15 49 20.0	+11
E08A	Dider Farm, El 114.52 345	PFAKE	LR	15 49 20.0	+11
F10A	Beach Ranch, E 114.52 343	PFAKE	LR	15 49 20.0	+11
SNOW	Snow King Moun 114.69 338	PFAKE	LR	15 49 20.0	+10
NLWA	Neilton Lookou 114.72 349	PFAKE	LR	15 49 20.0	+10
RWWY	Rawlins 114.80 334	PFAKE	LR	15 49 20.0	+10
BW06	Boulder Array 114.84 336	PFAKE	LR	15 49 20.0	+10
PD31	Pinedale Array 114.84 336	ePKIKP	PKIKP	15 49 08.5	-1.7
PDAR	Pinedale Array 114.84 336	PKP	PKIKP	15 49 08.5	-1.7
KSCO	Kaye Shedlock 114.87 329	PFAKE	LR	15 49 20.0	+10
N23A	Red Feather La 114.91 333	PFAKE	LR	15 49 20.0	+10
LOX	Longmire 114.92 347	PFAKE	LR	15 49 20.0	+10
U32A	Winter Ranch, 114.97 325	PFAKE	LR	15 49 20.0	+10
PLID	Pearl Lake 114.98 342	PFAKE	LR	15 49 20.0	+10
F07A	Phinny Hill Vi 115.29 345	PFAKE	LR	15 49 20.0	+9.4

F07A	comp=Z,400nm,19.0s	LR	LR		
BMO	Blue Mountains 115.57 343	PFAKE	LR	15 49 20.0	+8.7
G08A	Pilot Rock 115.61 344	PFAKE	LR	15 49 20.0	+8.6
NATX	Nacogdoches 115.62 319	PFAKE	LR	15 49 20.0	+8.4
ISCO	Idaho Springs 115.66 332	PFAKE	LR	15 49 20.0	+8.1
HLID	Hailey 115.86 340	PFAKE	LR	15 49 20.0	+8.0
ARMA	Armidae 115.96 116	PFAKE	LR	15 49 20.0	+7.6
WMOK	Wichita Mounta 116.04 324	PFAKE	LR	15 49 20.0	+7.6
G06A	Carlson Farm, 116.08 346	PFAKE	LR	15 49 20.0	+7.8
Q24A	Divide 116.11 331	PFAKE	LR	15 49 20.0	+7.2
Q20A	White River Ci 116.53 334	PFAKE	LR	15 49 20.0	+6.5
SMCO	Snowmass 116.77 332	PFAKE	LR	15 49 30.0	+16
H04A	Detroit Lake 116.96 346	PFAKE	LR	15 49 20.0	+6.1
WHTX	Lake Whitney, 117.20 321	PFAKE	LR	15 49 30.0	+15
T25A	Trinidad 117.21 329	PFAKE	LR	15 49 30.0	+15
SDCO	Great Sand Dun 117.26 330	PFAKE	LR	15 49 30.0	+15
J08A	Circle Bar Ran 117.27 343	PFAKE	LR	15 49 30.0	+15
PINE	Pine Mountain 117.51 345	PFAKE	LR	15 49 30.0	+15
HKT	Hockley 117.58 318	PFAKE	LR	15 49 30.0	+15
S22A	4UR Ranch, Cre 117.88 331	PFAKE	LR	15 49 30.0	+14
TEIG	Tepich 118.00 304	PFAKE	LR	15 49 30.0	+13
ABTX	Abilene, Hawle 118.06 323	PFAKE	LR	15 49 30.0	+14
PV22	Blue Mesa, Par 118.10 333	PFAKE	LR	15 49 30.0	+13
435B	Jarell 118.12 320	PFAKE	LR	15 49 30.0	+13
WVOR	Wild Horse Val 118.17 343	PFAKE	LR	15 49 30.0	+14
PV12	Saucer Basin, 118.28 333	PFAKE	LR	15 49 30.0	+13
DUG	Dugway, Tooele 118.29 337	PFAKE	LR	15 49 30.0	+13
PV01	Paradox Valley 118.34 333	PFAKE	LR	15 49 30.0	+13
PV20	West Nyswonger 118.34 333	PFAKE	LR	15 49 30.0	+13
PV02	Paradox Valley 118.35 333	PFAKE	LR	15 49 30.0	+13
PV03	Skein Mesa, Pa 118.39 333	PFAKE	LR	15 49 30.0	+13
PV18	Paradox Valley 118.61 333	PFAKE	LR	15 49 30.0	+12
ESPN	Las Esperanzas 118.64 294	PFAKE	LR	15 49 30.0	+12
ELK	Elko 118.66 339	PFAKE	LR	15 49 30.0	+12
MSTX	Muleshoe 118.82 326	PFAKE	LR	15 49 30.0	+12
MVCO	Mesa Verde 119.07 332	PFAKE	LR	15 49 30.0	+11
HUMO	Hull Mountain 119.11 346	PFAKE	LR	15 49 30.0	+12
MOD	Modoc Plateau 119.12 344	PFAKE	LR	15 49 30.0	+12
JCT	Junction City 119.69 321	PFAKE	LR	15 49 30.0	+10
YBH	Yreka Blue Hor 119.88 346	PFAKE	LR	15 49 30.0	+10
ANMO	Albuquerque 119.96 329	PFAKE	LR	15 49 30.0	+10
KVTX	Kingsville 120.53 317	PFAKE	LR	15 49 30.0	+8.7
Y22D	IRIS PASCALL I 120.89 329	PFAKE	LR	15 49 30.0	+8.0
PAHR	Pah Rah Range 120.91 342	PFAKE	LR	15 49 30.0	+8.1
R11A	Troy Canyon, C 120.92 339	PFAKE	LR	15 49 30.0	+8.0
BEKR	Beckworth 121.04 343	PFAKE	LR	15 49 30.0	+7.8
KVN	Kaiserville 121.12 341	PFAKE	LR	15 49 30.0	+7.6
W18A	Petrified Fore 121.36 332	PFAKE	LR	15 49 30.0	+7.0
YERR	Yerington 121.53 342	PFAKE	LR	15 49 30.0	+6.8
PNTR	Pine Nut 121.54 342	PFAKE	LR	15 49 30.0	+6.7
ORV	Oroville 121.64 344				

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Mina Array Bea, Sheep Range, Topopah Spring, etc.

SGS 08 15:47:00, 15:80N, 104:13E, h7km, M3.8
ISCJB 08 15:47:11.0, 0.6, 16:47N, 108:00E, 0.06, h8km, mb4.1/20, Error ellipse: s-maj=11.2km s-min=8.3km az=8.0

IDC 08 15:47:11.2, 1.2, 16:43N, 104:62E, h0km, mb4.0/13, mb1.4/1.5, mb1mx3.9/4.2, mbtmp4.0/15, ML3.8/2, Error ellipse: s-maj=25.6km s-min=20.4km az=170.0
NEIC 08 15:47:12.7, 0.4, 16:47N, 104:65E, h10km, mb4.4/8, Error ellipse: s-maj=25.6km s-min=20.4km az=205.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Farasan al Kab, Ad Darb, Keskin Array B, etc.

ISCJB 08 15:47:56.6, 0.7, 16:58N, 107:40E, 0.1, h8km, mb4.0/8, Error ellipse: s-maj=20.6km s-min=9.0km az=165.6
IDC 08 15:47:57.2, 1.2, 16:56N, 107:55E, h0km, mb4.0/8, mb1.4/1.9, mb1mx3.8/3.9, mbtmp4.0/9, Error ellipse: s-maj=25.6km s-min=24.7km az=100.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Arta Tunnel, Alibeck, Torodi Arr, Beaa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like ZALV, Zalesovo Beam, SONMI, Songino Array.

ISCJB 08 16:06:38.0, 0.7, 29:13S, 0:03, 69:45W, 0.04, h120km, 9km, Error ellipse: s-maj=5.7km s-min=4.5km az=21.7
SJA 08 16:06:38.3, 0.9, 29:15S, 69:35W, h135km, 6km, ML3.4, MW3.5
GUC 08 16:06:38.4, 0.6, 29:14S, 69:55W, h106km, 6km, ML3.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Vinchina, Tololo Observa, Copiap, La Serena, Mogna, Cerro La Cruz, etc.

IDC 08 16:14:00.7, 1.1, 15:50N, 142:27E, h0km, mb3.5/4, mb1.3/7.5, mb1mx3.4/5, mbtmp3.5/5, ML3.6/1.1, Error ellipse: s-maj=35.4km s-min=21.7km az=106.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Guam, Warramunga Arr, ASAR, Makanchi Array, Kurbb.

ISCJB 08 16:17:40.8, 0.8, 23:82N, 102:122, 76E, 0.02, h15km, 5km, Error ellipse: s-maj=3.7km s-min=2.3km az=160.7
JMA 08 16:17:41.9, 0.1, 23:89N, 122:75E, h42km, M2.1
TAP 08 16:17:41.4, 23:91N, 122:80E, h55km, 1km, ML2.6, D
ISC 08 16:17:37.8, 1.1, 23:84N, 103:122, 78E, 0.02, h19km, 3km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like Yonagunijimaku, Yonaguni jima, Hateruma jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, Time Res, ISC, h, m, s, ISC. Includes stations like ETHL, Hungye, YULB, Yuli, Chengkung, etc.

PROD	comp=N,1674um,0.4s	AML	AML	19 28 10.4
KLK	comp=E,1366um,0.3s	P	Pb	19 27 42.5 -0.1
KLK	Kalavryta, Ach	1.47 326	S	19 28 02.3 +0.2
KLK	comp=E,680nm,0.5s	P	Pb	19 27 42.7 +0.1
KLK	Kalavryta, Ach	1.47 326	S	19 28 03.2 -0.8
KLK	comp=E,1380um,0.5s	S	AML	19 28 05.0
IMMV	comp=N,1319um,0.5s	PN	Pb	19 28 07.1
IMMV	Iera Moni Meta	1.51 155	SN	19 27 44.1 -0.2
IMMV	Iera Moni Meta	1.51 155	S	19 28 04.7 -0.5
IMMV	Iera Moni Meta	1.51 155	Pb	19 28 03.3 +0.1
IMMV	comp=N,11um,0.4s	P	Pb	19 27 43.7 +0.7
IMMV	Iera Moni Meta	1.51 155	S	19 27 44.0 +0.4
IMMV	Iera Moni Meta	1.51 330	S	19 28 04.7 +0.3
TRAZ	comp=N,11um,0.5s	P	Pb	19 27 44.1 +0.4
TRAZ	Trapeza	1.55 330	S	19 28 05.4 +1.0
TRAZ	comp=N,1716um,0.3s	S	AML	19 28 07.7
TRAZ	Trapeza	1.55 330	P	19 28 10.6
VAM	comp=N,2553um,0.3s	P	Pb	19 27 45.8 -0.7
VAM	Varnos	1.64 150	P	19 27 45.5 +0.7
VAM	Varnos	1.64 150	S	19 27 48.1 +1.0
DSF	Desfina	1.66 342	P	19 27 45.9 +0.7
DSF	Desfina	1.66 342	S	19 28 07.6 -0.1
DSF	comp=N,372nm,0.4s	P	Pb	19 27 46.0 +0.7
DSF	Desfina	1.66 342	S	19 28 07.5 -0.2
DSF	comp=N,629um,0.3s	S	AML	19 28 13.0
DSF	comp=E,751um,0.3s	AML	AML	19 28 14.7
AIG2	Aigio	1.67 328	P	19 27 46.0 +0.7
AIG2	Aigio	1.67 328	S	19 28 08.0 +0.2
ALIK	Alik, Aigiaili	1.67 329	P	19 27 46.1 +0.9
AIG4	Aigion	1.68 328	P	19 27 46.4 -0.7
AIG4	Aigion	1.68 328	S	19 28 08.0 0.0
IOSP	Ios island	1.68 93	P	19 27 46.7 -0.5
IOSP	Ios island	1.68 93	Pb	19 27 46.7 -0.5
EREA	Erertria	1.69 20	P	19 27 46.0 +0.5
EREA	Erertria	1.69 20	S	19 28 08.2 -0.2
EREA	Erertria	1.69 20	S	19 28 17.8
EREA	comp=N,689um,0.3s	AML	AML	19 28 25.8
EREA	comp=E,675um,0.4s	AML	AML	19 28 25.8
LAKA	Lakka	1.71 326	P	19 27 46.1 +0.3
LAKA	Lakka	1.71 326	S	19 28 07.2 -0.2
LAKA	comp=E,302nm,0.4s	P	Pb	19 27 46.1 +0.3
LAKA	Lakka	1.71 326	S	19 28 09.6 +0.7
LAKA	Lakka	1.71 326	S	19 28 11.0
LAKA	comp=E,513um,0.4s	AML	AML	19 28 11.7
LAKA	comp=N,751um,0.5s	AML	AML	19 28 11.7
TNSA	Tinos	1.72 65	P	19 27 47.4 -0.5
TNSA	Tinos	1.72 65	S	19 28 09.0 -0.2
KALE	Kalitheia	1.77 332	P	19 27 46.7 +0.1
KALE	Kalitheia	1.77 332	S	19 27 46.7 +0.1
KALE	Kalitheia	1.77 332	Pb	19 28 10.0 -0.7
KALE	Kalitheia	1.77 332	S	19 28 14.6
KALE	comp=E,667um,0.4s	AML	AML	19 28 18.4
TRIZ	Trizonia	1.77 330	P	19 27 46.9 +0.2
TRIZ	Trizonia	1.77 330	S	19 28 09.1 +0.2
TRIZ	Trizonia	1.77 330	Pb	19 27 47.0 +0.4
TRIZ	Trizonia	1.77 330	S	19 28 09.1 +0.2
LKR	Lokris	1.82 355	P	19 27 48.1 +0.8
LKR	Lokris	1.82 355	S	19 27 48.1 +0.8
LKR	Lokris	1.82 355	Pb	19 28 11.1 +0.9
LKR	Lokris	1.82 355	S	19 28 21.8
LKR	comp=N,554um,0.3s	AML	AML	19 28 22.5
RLS	Riolos of Patr	1.84 312	P	19 27 48.6 +1.0
RLS	Riolos of Patr	1.84 312	S	19 28 18.8
RLS	comp=N,344um,0.4s	AML	AML	19 28 24.4
ATAL	Atalanti	1.86 356	P	19 27 48.5 +0.6
ATAL	Atalanti	1.86 356	S	19 28 12.2 +1.0
ATAL	Atalanti	1.86 356	Pb	19 27 48.7 +0.8
ATAL	Atalanti	1.86 356	S	19 28 20.9
ATAL	Atalanti	1.86 356	S	19 28 24.6
APE	Apeiranthos	1.88 82	PN	19 27 48.9 +0.7
APE	Apeiranthos	1.88 82	P	19 27 49.1 +0.9
APE	Apeiranthos	1.88 82	Pb	19 27 49.1 +0.9
APE	Apeiranthos	1.88 82	S	19 28 12.8 +1.1
EFP	Efpalio	1.89 328	P	19 27 48.0 +0.6
EFP	Efpalio	1.89 328	S	19 28 13.7 -0.6
EFP	Efpalio	1.89 328	S	19 28 16.5
EFP	comp=N,610um,0.3s	AML	AML	19 28 16.6
MRKA	Markates	1.90 9	P	19 27 49.0 +0.6
MRKA	Markates	1.90 9	S	19 28 13.0 +1.0
MRKA	Markates	1.90 9	Pb	19 27 49.0 +0.6
MRKA	Markates	1.90 9	S	19 28 12.9 +1.0
MRKA	Markates	1.90 9	S	19 28 18.0
MRKA	comp=E,444um,0.5s	AML	AML	19 28 21.7
MRKA	comp=N,474um,0.9s	AML	AML	19 28 21.7
VTN	Vitineika	1.93 305	P	19 27 50.9 -0.6
SMIA	Simia	2.04 0	P	19 27 50.6 +0.2
SMIA	Simia	2.04 0	S	19 28 16.8 +1.1
IDI	Anoyia	2.06 138	PN	19 27 51.9 +1.2
IDI	Anoyia	2.06 138	Pb	19 27 51.9 +1.2
IDI	Anoyia	2.06 138	S	19 27 51.9 +1.2
IDI	comp=N,4.8nm,0.3s,baz=323,slow=11,SNR=40	SN	SN	19 28 16.7 +0.6
IDI	comp=N,14nm,0.3s,baz=130,slow=13,SNR=6.8	SN	SN	19 27 52.0 +1.3
IDI	Anoyia	2.06 138	P	19 27 52.9 +1.5
GVD	Gavdhos	2.12 160	PN	19 27 53.5 +1.4
GVD	Gavdhos	2.12 160	P	19 27 54.0 -0.6
AMGA	Amorgos Island	2.16 89	P	19 27 53.5 +1.4
PVO	Paravola	2.22 324	P	19 27 53.7 +0.9
PVO	Paravola	2.22 324	S	19 28 35.4
PVO	comp=N,500um,0.4s	AML	AML	19 28 36.1
PVO	comp=E,536um,0.4s	AML	AML	19 28 36.1
SIVA	Sivas	2.23 144	P	19 27 55.9 -0.7
AGG	Agios Georgios	2.29 343	PN	19 27 54.2 +0.4
AGG	Agios Georgios	2.29 343	P	19 27 54.8 +1.0
AGG	Agios Georgios	2.29 343	Pb	19 27 54.9 +1.1
SKY	Skios Island	2.31 27	P	19 27 54.4 +0.3
SKIA	Skiathos	2.34 5	P	19 27 55.4 +0.9
SKIA	Skiathos	2.34 5	S	19 28 24.3 +1.3
SKIA	Skiathos	2.34 5	Pb	19 27 55.9 +1.1
EVR	Evrityania	2.35 333	P	19 27 55.9 +1.1
EVR	Evrityania	2.35 333	S	19 27 55.9 +1.1
EVR	Evrityania	2.35 333	Pb	19 28 25.0 +1.6
EVR	Evrityania	2.35 333	S	19 28 38.6
EVR	comp=E,394um,0.9s	AML	AML	19 28 41.9
EVR	comp=N,408um,0.6s	AML	AML	19 28 41.9
NEO	Neokhori	2.47 0	P	19 27 57.0 +0.7
NEO	Neokhori	2.47 0	Pb	19 27 57.1 +0.8
NAST	Nasithi	2.49 131	P	19 27 58.1 +1.5
NAST	Nasithi	2.49 131	Pb	19 27 58.1 +1.5
LAST	Lasthi	2.53 303	P	19 27 57.9 +0.8
XOR	Xorichti	2.58 356	P	19 27 58.7 +0.9
FYTO	Fytoko, Volos	2.58 356	P	19 28 29.8 +1.0
FYTO	Fytoko, Volos	2.58 356	S	19 28 08.8 +0.7
CHOS	Chios island	2.75 55	PN	19 28 08.8 +0.7
CHOS	Chios island	2.75 55	P	19 28 08.8 +0.7
LK02	Lefkada island	2.80 315	P	19 28 02.8 +1.9
TSUK	Tsoukalades, L	2.83 315	P	19 28 02.9 +1.7
THL	Klokotos Trika	2.88 341	P	19 28 03.0 +1.1
THL	Klokotos Trika	2.88 341	Pb	19 28 02.9 +1.0
THL	Klokotos Trika	2.88 341	S	19 28 37.3 +1.0
THL	Klokotos Trika	2.88 341	S	19 28 39.4
THL	comp=E,90um,0.5s	AML	AML	19 28 39.9
THL	comp=N,74um,0.6s	AML	AML	19 28 39.9
ZKR	Zakros	2.99 124	PN	19 28 04.7 +1.3

URLA	Izmir	3.10 60	PN	Pn	19 28 06.0 +1.0
URLA	Izmir	3.10 60	P	Pn	19 28 05.9 +0.9
URLA	Izmir	3.10 60	P	Pn	19 28 06.0 +1.0
SIGR	SIGRI	3.17 41	PN	Pn	19 28 06.7 +0.8
SIGR	SIGRI	3.17 41	P	Pn	19 28 06.5 +0.7
BODT	Bodrum	3.30 85	PN	Pn	19 28 09.0 +1.3
LIT	Litokhorir	3.31 351	P	Pn	19 28 08.8 +1.0
BDRM	Kayabasi	3.41 85	P	Pn	19 28 11.7 +2.5
BDRM	Kayabasi	3.41 85	P	Pn	19 28 11.7 +2.5
KPRO	Kipourio	3.43 336	P	Pn	19 28 10.7 +1.1
LIA	Limnos Island	3.44 26	P	Pn	19 28 09.6 +0.1
KARP	Karpathos	3.45 111	PN	Pn	19 28 11.4 +1.6
IGT	Igoumeitsa	3.52 321	P	Pn	19 28 13.0 +2.3
DAT	Dataca	3.52 90	P	Pn	19 28 12.3 +1.5
DAT	Dataca	3.52 90	P	Pn	19 28 12.3 +1.5
DAT	Dataca	3.52 90	P	Pn	19 28 12.3 +1.5
DAT	Dataca	3.52 90	P	Pn	19 28 12.3 +1.5
DAT	Dataca	3.52 90	P	Pn	19 28 12.3 +1.5
OUR	Ouranopolis	3.55 10	PN	Pn	19 28 11.9 +0.8
OUR	Ouranopolis	3.55 10	P	Pn	19 28 11.9 +0.8
AYDN	Tasoluk	3.83 76	P	Pb	19 28 21.9 -1.9
AYDN	Tasoluk	3.83 76	P	Pb	19 28 21.9 -1.9
ARG	Arkhangelos	4.02 97	PN	Pn	19 28 19.4 +1.9
GRG	Griva	4.17 352	PN	Pn	19 28 20.8 +1.2
GRG	Griva	4.17 352	P	Pn	19 28 20.8 +1.2
KNT	Kendrikon	4.33 357	PN	Pn	19 28 23.2 +1.4
KNT	Kendrikon	4.33 357	P	Pn	19 28 23.3 +1.5
DALY	Dalyan (Mula)	4.38 89	P	Pb	19 28 29.9 -3.2
DALY	Dalyan (Mula)	4.38 89	P	Pb	19 28 29.9 -3.2
GELI	Tayfur-Gelibol	4.39 35	PN	Pn	19 28 23.7 +1.1
FETY	Fethiye	4.73 91	P	Pb	19 28 34.7 -4.5
FETY	Fethiye	4.73 91	P	Pb	19 28 34.7 -4.5
STIP	Keskin Array B	4.92 351	P	Pn	19 28 32.3 +2.4
BRTR	Keskin Array B	8.70 67	PN	Pn	19 29 25.6 +3.6
GERES	GERES Array B	13.87 333	PN	Pn	19 30 33.6 +1.1
MDT	Milet	23.14 268	LR	LR	19 43 14.2
HFS	Hagfors	24.10 348	P	P	19 32 30.2 -1.1
EKA	Eskalemur Ar	25.76 324	P	P	19 32 46.8 +0.4
GEY	Alibek	27.68 77	P	P	19 33 03.6 -0.3
TORD	Tordi Ar. Bee	30.45 225	P	P	19 33 27.0 -1.7
MKAR	Makanchi Array	44.20 58	P	P	19 35 24.3 -0.6
ZALV	Zalesovo Beam	45.02 47	P	P	19 35 30.3 -0.9
CMAR	Chiang Mai Arr	67.95 83	P	P	19 38 14.8 -0.3

ISCJB 08 19:30:44.9:0.5, 41:09N:0:04:112:83W:0:06, h0km, Error ellipse: s-maj=7.2km s-min=5.3km az=31.6
 NEIC 08 19:30:45.5:0.4, 41:08N:112:79W, h0km, ML 1.9, Error ellipse: s-maj=5.6km s-min=4.1km az=121.0, Suspected Mining explosion.
 NEIC 70 km [44 miles] WSW of Ogden.
 IDC 08 19:30:45.8:1.2, 41:14N:112:86W, h0km, mb1 2.6/2, mb1mx2.6/47, mbtmp2.1/2, ML2.8/2, Error ellipse: s-maj=39.4km s-min=5.2km az=157.0
 ISC 08 19:30:44.3:1.0, 41:15N:0:03:112:81W:0:04, h0km, n22, 0588/22, Utah

Code	Station Name	Δ°	AZ°	Op	Phase ID	ISC	Time	Res
							h m s	ISC
BGU	Big Grassy Mou	0.28	217	eP	Pg	ISC	19 30 50.0 +0.3	
SPUT	South Promonto	0.31	60	eP	Pg	ISC	19 30 52.7 -0.1	
HVU	Hansel Valley	0.62	2	eP	Pb	ISC	19 30 58.2 0.0	
DUG	Dugway, Tooele	0.96	180	eP	Pb	ISC	19 31 03.4 -0.4	
HUW	Hardware Ranch	1.04	64	eP	Pb	ISC	19 31 06.3 0.0	
ULJ	Udote	1.17	118	eP	Pb	ISC	19 31 07.9 -0.1	
NLU	North Lily Min	1.32	155	eP	Pb	ISC	19 31 10.1 -0.1	
MPU	Maple Canyon	1.45	142	eP	Pb	ISC	19 31 12.0 -0.2	
ELK	Elko	1.89	258	eP	Pb	ISC	19 31 18.5 +0.5	
ELK	Elko	1.89	258	eP	Pb	ISC	19 31 18.5 +0.5	
ELK	Elko	1.89	258	eP	Pb	ISC	19 31 18.1 +0.1	
ELK	Elko	1.89	258	eP	Pb	ISC	19 31 18.1 +0.1	
TMUT	Trail Mountain	2.22	146	eP	Pb	ISC	19 31 22.9 +0.3	
MSU	Marysville	2.68	169	eP	Pb	ISC	19 31 29.3 +0.4	
HLID	Hailey	2.69	334	eP	Pb	ISC	19 31 31.6 -1.7	
SRU	San Rafael Swe	2.69	139	eP	Pb	ISC	19 31 29.1 +0.1	
PSUT	Pine Spring	2.74	197	eP	Pb	ISC	19 31 29.9 +0.2	
FXWY	Fox Creek	2.81	27	eP	Pb	ISC	19 31 32.5 +1.9	
BW08	Boulder Array	2.91	55	eP	Pb	ISC	19 31 35.6 +1.4	
PDAR	Pinedale Array	2.91						

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like USRK, ZALV, CMAR, MKAR, etc.

ISCJB 08 20:15:30.9-0.3, 43.45N, 01:02.13, 13E, 01:03, h 10km, 3km, Error ellipse: s-maj=4.6km s-min=3.0km az=43.4

ROM 08 20:15:30.3-0.1, 43.44N, 01:00.43, 13.13E, 01:00, h 9km, ML 2.0/2.2, Error ellipse: s-maj=0.7km s-min=0.2km az=53.0

ISC 08 20:15:30.5-0.8, 43.44N, 01:03.13, 16E, 01:02, h 11km, 5km, n32, c1503/50, Central Italy

Main table for Central Italy region with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like CING, MMUR, EL6, ARVD, COR1, SSFR, FRON, FOSV, MPAG, FSSB, FDMO, ATFO, etc.

Main table for Sicily region with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like ATFO, PIEI, CESI, MURB, ASSB, PESA, ATPI, ATVO, BADI, GUMA, PARC, TERO, DUGI, ZIRJ, MORI, HVAR, KIJV, etc.

ROM 08 20:16:19.7-0.2, 43.444N, 01:00.43, 13.121E, 01:00, h 8km, 1km, ML 0.7/1.1, Error ellipse: s-maj=0.5km s-min=0.3km az=271.0, Central Italy

Main table for Ionian and Aegean regions with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like SNTG, FAGN, NIED, KUR, YUK, GRPR, NEM2, JRA, JNSB, JKHJ, JNK, JAR, JCH, JNBK, YSS, JKB, JKB, SEY, MKAR, BRVK, etc.

IDC 08 20:37:59.0-48.0, 17.80S, 171.66W, h 0km, mb 4.1/3, mb 1.4/2.3, mb 1mx3.7/33, mb 2mx4.1/3, Error ellipse: s-maj=941.8km s-min=189.4km az=82.0, Tonga Islands region

IDC 08 21:01:12.8-4.0, 43.91N, 02:29.23W, h 0km, mb 3.3/4, mb 1.3/4.5, mb 1mx3.2/58, mb 2mx3.8/5, MS 3.0/5, Ms 1.2/9.4, ms 1mx2.6/22, Error ellipse: s-maj=79.5km s-min=36.0km az=78.0

ISC 08 21:01:14.5-3.0, 43.77N, 01:29.20W, 01.4, h 14km, n15, c154/12, mb 3.5/3, MS 2.7/4, Northern Mid-Atlantic Ridge

Table for the Northern Mid-Atlantic Ridge region with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like PSCM, PDET, CMLA, BART, PSMIA, PSMN, ESDC, EKA, BORG, MDT, etc.

ISCJB 08 21:03:05.5-0.6, 16.69N, 01:08.40E, 01:09, h 8km, mb 3.9/6, MS 3.0/5, Error ellipse: s-maj=14.1km s-min=10.5km az=40.6

IDC 08 21:03:06.2-7.7, 16.69N, 01:07.3E, h 0km, mb 3.8/5, mb 1.3/9.5, mb 1mx3.4/45, mb 2mx3.8/5, MS 3.0/5, Ms 1.3/0.5, ms 1mx2.7/32, Error ellipse: s-maj=81.2km s-min=25.5km az=160.0

NEIC 08 21:03:07.2-3.0, 16.72N, 01:07.6E, h 10km, 3km, mb 4.1/2, Error ellipse: s-maj=22.8km s-min=11.1km az=108.0

ISC 08 21:03:06.7-0.8, 16.65N, 01:07.40E, 01:09, h 8km, n18, c23/17, mb 4.0/6, MS 3.0/5, Red Sea

Table for the Red Sea region with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like DAMY, FURI, RAYN, UOSS, GNI, BRTR, KBZ, TORD, TOA1, GERE, MK32, NOA, ZALV, ZAA1, SONA, SONM, KSRS, etc.

LMR	comp=N,59µm,0.7s	2.76 254	ePn	Pn	23 32 38.2	-1.0
LMR	La Moure		eSn	Sn	23 33 09.5	-3.3
LPG	comp=N,27nm,0.2s	2.77 300	eP	Pn	23 32 40.9	+1.2
LPG	La Plagne	2.77 300	eP	Pg	23 32 47.2	-0.5
LPG			eSn	Sn	23 33 10.0	-3.5
LPG	comp=N,35nm,0.4s		eSg	Sg	23 33 22.3	-1.3
STAL	STALIGIAL	2.79 40	AML	AML		
STAL	comp=E,555µm,1.1s					
STAL	comp=N,431µm,0.4s					
STAL	comp=E,782µm,1.1s					
STAL	comp=N,440µm,0.4s					
STAL	comp=N,431µm,0.4s					
STAL	comp=N,440µm,0.4s					
STAL	comp=E,782µm,1.1s					
LPL	La Plagne	2.79 301	eP	Pn	23 32 41.1	+1.2
LPL	La Plagne	2.79 301	eP	Pb	23 32 46.8	+2.0
LPL			eSn	Sn	23 33 10.6	-3.3
LPL	comp=E,24nm,0.3s		eSg	Sb	23 33 22.3	+2.9
FETA	comp=E,75nm,0.4s	2.91 8	Pn	Pn	23 32 43.9	+2.4
FETA	Feichten			Sn	23 33 20.6	-2.1
FETA	comp=E,54nm,0.6s					
ROSI	Roskopf	2.92 17	AML	AML		
ROSI	comp=E,1200µm,0.6s					
ROSI	comp=E,1200µm,0.6s					
ROSI	comp=N,1575µm,0.7s					
ROSI	comp=N,1575µm,0.7s					
T0104	Madonna delle	2.94 126	AML	AML		
T0104	comp=N,249µm,0.6s					
T0104	comp=E,179µm,0.7s					
T0104	comp=N,249µm,0.6s					
T0104	comp=E,179µm,0.7s					
TERO	Teramo	2.94 120	AML	AML		
TERO	comp=E,87µm,1.0s					
TERO	comp=N,86µm,0.9s					
TERO	comp=N,86µm,0.9s					
TERO	comp=E,87µm,1.0s					
PLONS	Plons/SG	2.96 350	AML	AML		
PLONS	comp=E,308µm,0.7s					
PLONS	comp=N,338µm,0.6s					
PLONS	comp=N,338µm,0.6s					
BLAF	les Blancs	2.96 268	Pn	Pn	23 32 42.9	+0.8
AQU	L'Aquila	2.98 126	ePn	Pn	23 32 43.1	+0.8
AQU	L'Aquila	2.98 126	AML	AML		
AQU	comp=E,180µm,1.0s					
AQU	comp=N,184µm,1.1s					
AQU	comp=N,184µm,1.1s					
BNALP	Bannalp	2.98 337	AML	AML		
BNALP	comp=N,202µm,1.1s					
BNALP	comp=N,277µm,1.1s					
BNALP	comp=N,277µm,1.1s					
RMP	comp=E,202µm,1.6s	2.99 140	AML	AML		
RMP	Rome, Mte Pozz					
RMP	comp=N,106µm,1.1s					
RMP	comp=E,108µm,1.2s					
RMP	comp=N,106µm,1.1s					
RMP	comp=N,106µm,1.1s					
GEFP	Gemona	3.00 44	AML	AML		
GEFP	comp=N,370µm,0.8s					
GEFP	comp=E,325µm,0.7s					
GEFP	comp=N,370µm,0.8s					
SABO	M.te Sabotino	3.06 52	AML	AML		
SABO	comp=E,554µm,0.8s					
SABO	comp=E,554µm,0.8s					
SABO	comp=N,636µm,0.6s					
SABO	comp=N,636µm,0.6s					
FVI	Forni Avoltri	3.08 36	AML	AML		
FVI	comp=E,421µm,0.7s					
FVI	comp=N,344µm,0.6s					
FVI	comp=E,421µm,0.7s					
FVI	comp=N,344µm,0.6s					
ABTA	Abfaltersbach	3.09 32	i Pn	Pn	23 32 45.4	+1.5
ABTA	Rein			Sn	23 33 24.7	+3.5
RISI	Rein	3.12 25	AML	AML		
RISI	comp=N,888µm,0.5s					
RISI	comp=E,1010µm,0.5s					
RISI	comp=N,888µm,0.5s					
RISI	comp=N,888µm,0.5s					
FAGN	Fagnano	3.14 126	AML	AML		
FAGN	comp=E,452µm,0.6s					
FAGN	comp=N,302µm,1.5s					
FAGN	comp=N,302µm,1.5s					
FAGN	comp=N,302µm,1.5s					
ORIF	Oris-en-Rattie	3.15 286	eP	Pn	23 32 46.5	+1.8
ORIF	Oris-en-Rattie	3.15 286	eP	Pb	23 32 52.8	+1.9
ORIF			eSn	Sn	23 33 18.5	-4.1
ORIF	comp=E,123nm,0.6s					
DAVA	Damuels	3.15 357	i Pn	Pn	23 32 47.3	+2.5
DAVA	Rein			Sn	23 33 26.8	-2.9
DAVA	comp=E,73nm,0.5s					
SQTA	Sankt Quirin	3.17 13	ePn	Pn	23 32 47.9	+2.9
SQTA	comp=E,8.1nm,0.2s,SNR=61			eSn	23 33 29.8	-0.3
SQTA	comp=E,64nm,0.4s					
ARTF	Artigues	3.19 261	Pn	Pn	23 32 45.3	+0.1
ASEAF	Site Antares,	3.20 246	Pn	Pn	23 32 45.2	+0.2
PTCC	Patocco-Chiusa	3.20 44	AML	AML		
PTCC	comp=E,280µm,0.7s					
PTCC	comp=E,280µm,0.7s					
PTCC	comp=N,198µm,0.6s					
PTCC	comp=N,198µm,0.6s					
BSTF	la Bastide-des	3.26 267	Pn	Pn	23 32 45.8	-0.3
BSTF				Sn	23 33 22.1	-3.1
MOTA	Moosalm	3.27 11	ePn	Pn	23 32 49.6	+3.2
WTTA	Wattenberg	3.29 18	ePn	Pn	23 32 49.6	+2.8
WTTA	comp=N,18nm,0.2s,SNR=22			Sn	23 33 33.9	+0.2

WTTA	Wattenberg	3.29 18	AML	AML		
WTTA	comp=E,730µm,0.7s					
WTTA	comp=N,478µm,0.9s					
WTTA	comp=N,478µm,0.9s					
WTTA	comp=E,730µm,0.7s					
SMRF	Simiane la Rot	3.30 269	eP	Pn	23 32 47.7	+1.0
SMRF	Simiane la Rot	3.30 269	eP	Pg	23 32 56.3	-1.5
SMRF			eSn	Sn	23 33 22.9	-3.3
SMRF	comp=E,110nm,0.3s			eSg	23 33 38.0	+4.1
RIV	Rijeka	3.31 68	ePn	Sn	23 32 46.7	-0.7
RIV	Rijeka	3.31 68	ePn	Pn	23 32 46.7	-0.1
WATA	Walderalm	3.35 17	ePn	Pn	23 32 50.2	+2.7
WATA	comp=E,14nm,0.2s,SNR=16			eSn	23 33 34.8	-0.5
WATA	comp=E,51nm,0.6s					
RUSF	Rustrel	3.37 268	Pn	Pn	23 32 48.8	+1.1
RETA	Reutte	3.37 7	ePn	Pn	23 32 50.0	+2.2
RETA	comp=E,7.7nm,0.4s,SNR=14			eSn	23 33 32.2	+4.1
RETA	comp=E,63nm,0.8s					
ACOM	Acomezia, Ital	3.38 43	AML	AML		
ACOM	comp=E,895µm,0.6s					
ACOM	comp=E,895µm,0.6s					
ACOM	comp=N,518µm,0.9s					
ACOM	comp=N,518µm,0.9s					
NVLJ	Novajla	3.42 81	ePn	Pn	23 32 49.2	+1.0
NVLJ				Sn	23 33 29.5	+0.5
OG02	Monnetier-Morn	3.43 307	Pn	Pn	23 32 48.8	+0.1
CEY	Cerznica	3.43 61	ePn	Pn	23 32 48.2	-0.4
MYKA	Terra Mystica	3.50 43	ePn	Pn	23 32 52.2	+2.7
MYKA	comp=N,3.1nm,0.2s			Sn	23 33 35.1	+3.9
MYKA	comp=N,14nm,0.4s			Sg	23 32 51.1	+5.2
MYKA	comp=N,40nm,0.5s					
DUGI	Dugi Otok	3.54 91	ePn	Pn	23 32 50.8	+0.7
DUGI				Sn	23 33 31.0	-1.2
GIMEL	St. Georges /	3.63 313	AML	AML		
GIMEL	comp=N,108µm,1.6s					
GIMEL	comp=N,121µm,1.2s					
GIMEL	comp=E,108µm,1.6s					
GIMEL	comp=N,121µm,1.2s					
LJU	Ljubljana	3.64 57	ePn	Pn	23 32 51.2	-0.2
LJU	Ljubljana	3.64 57	AML	AML		
LJU	comp=E,530µm,0.7s					
LJU	comp=N,778µm,0.5s					
LJU	comp=N,778µm,0.5s					
LJU	comp=E,530µm,0.7s					
LJU	comp=N,778µm,0.5s					
KBA	Koelnbreinsper	3.69 36	ePn	Pn	23 32 54.9	+2.6
KBA	comp=N,3.2nm,0.2s,SNR=10			Sg	23 33 56.1	+2.8
KBA	comp=N,54nm,0.5s					
VISS	Visnje	3.72 62	i Pn	Pn	23 32 52.7	+0.2
VISS			i Sn	Sn	23 33 36.7	+0.1
VISS	comp=Z,101nm,0.9s					
CABF	La Chapelle	3.78 312	ePn	Sn	23 32 55.0	+1.6
CABF			eSn	Sn	23 33 32.8	-5.3
CABF	comp=Z,65nm,0.9s			eSg	23 33 52.6	-3.3
BOJS	Bojanci	3.88 68	AML	AML		
BOJS	comp=N,87µm,0.7s					
BOJS	comp=N,106µm,0.7s					
BOJS	comp=N,106µm,0.7s					
BOJS	comp=N,106µm,0.7s					
OBKA	Obir	3.90 51	ePn	Pn	23 32 56.3	+1.2
OBKA	comp=E,13nm,0.3s			Sn	23 33 44.0	+2.8
OBKA	comp=E,32nm,0.6s					
CHMF	Charmoille	3.95 323	Pn	Pn	23 32 57.8	+2.0
CHMF			Sn	Sn	23 33 41.8	-0.6
CHMF			ePn	Sn	23 32 56.1	0.0
VIVF	Saint-Julien-I	3.98 282	ePn	Sn	23 33 38.9	-4.1
VIVF			eSn	Sn	23 32 56.8	+0.5
ZIRJ	Zirje	4.00 95	i Pn	Pn	23 32 43.1	-0.4
ZIRJ			Sn	Sn	23 33 57.7	+1.1
MORI	Morici	4.02 92	i Pn	Pn	23 32 58.0	+0.9
MORI			Sn	Sn	23 33 45.3	+0.5
UDBI	Udbina	4.05 83	ePn	Pn	23 32 59.0	+1.9
UDBI			Sn	Sn	23 32 58.5	+0.4
OZLJ	Ozalj	4.06 67	ePn	Pn	23 33 00.9	+0.8
CRES	Cresnjevec	4.13 64	ePn	Pn	23 33 01.5	+1.2
SOKA	Soboth	4.27 52	ePn	Sn	23 33 01.9	+1.2
SOKA	comp=E,25nm,0.6s,SNR=19			eSn	23 33 01.9	+1.0
HINF	Hinteralfeld	4.33 329	ePn	Pn	23 33 46.2	-5.5
HINF			eSn	Sn	23 33 04.2	-5.5
PTJ	Puntjarkja	4.49 65	ePn	Pn	23 33 04.7	+1.3
KJUV	Kijevo	4.51 90	ePn	Pn	23 33 07.7	+1.7
KJUV			Sn	Sn	23 33 03.0	0.

comp=Z,0.8nm,0.7s,baz=290,slow=6.2,SNR=8.7
ILAR Eielson Array 69.94 350 P P 23 40 05.9 -0.2

0.9nm,0.6s,baz=214,slow=2.7,SNR=10
ILAR Eielson Array 82.26 11 P P 00 33 02.5 +0.7

BDFB PTGA Pitinga 27.16 25 eP P 00 34 15.6 -1.0
comp=Z,5.8nm,0.8s,baz=202,slow=11,SNR=12

MEX 09 23:54:00.8,0.4, 14.75N,93.29W,h24km,83km,MD3.5,
Near coast of Chiapas
Code Station Name Az Phase ID Time Res

comp=Z,35nm,21.6s,baz=198,slow=11,SNR=11
MAW Mawson 87.95 199 P P 00 33 56.8 +1.3

PTGA Pitinga 27.16 25 eP P 00 34 48.2 +0.5
comp=Z,8.1nm,0.9s

UCR 09 00:11:15.3,2.3,9.67N,84.05W,h56km,7km,MW3.7,
8C-1D, Costa Rica

GERES GERESE Array B 145.91 321 ePKPb P 00 40 21.8 +0.9

PDAR Pinedale Array 77.01 332 P P 00 40 59.8 +2.7

Code Station Name Az Phase ID Time Res
LCR2 La Lucha 2 0.08 30 Op ISC h m s ISC

VOIR Argem 146.01 336/lj P PKIKP 00 40 23.5 -0.8

TOA1 Torodi Arr. Sit 80.60 70 eP P 00 41 17.5 +0.4

ISCJB 09 00:20:38.9,0.3,15.14S,0.06:173.69W,0.08,h10km,
mb4.2/28,MS3.5/2, Error ellipse: s-maj=11.4km

SJA 09 00:28:50.9,0.5,25.63S,72.39W,h10km,ML4.3,MW3.4

ISC 09 00:29:07.3,0.2,26.00S,70.60W,h0km,mb4.0/0

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.4,1.8,15.14S,173.59W,h10km,2km,mb4.3/35,
Error ellipse: s-maj=20.4km s-min=9.8km az=84.0

NEIC 09 00:29:09.0,0.0,26.00S,70.63W,h43km,mb4.5/6,
ML4.0(GUC),After GUC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISC 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Code Station Name Az Phase ID Time Res
NIUE Niue 5.19 139 Op P 00 29 18.5 +0.1

CRCH Chaqaral 0.55 146/lj Op ISC h m s ISC

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

ISCJB 09 00:20:40.6,0.5,15.18S,173.57W,0.1,h10km,n72,
a130/60,mb4.4/28,MS3.6/20,3C-1D,Tonga Islands

GUC 09 00:29:09.1,0.7,26.00S,70.63W,h43km,5km,ML4.0

ILAR Eielson Array 69.94 350 P P 00 33 02.5 +0.7

Table with columns: 9d 5h, PCAN, PICO, PPNO, ROSA, PMAN, PGRA, ADH, PSCM, Code, Station Name, Az, Phase, ID, Time Res, Res

BUI 09 05:28:37.0-0.0, 7.30S: 129.60E; h104km, mb4.7/6, mB4.7/3

ISCJB 09 05:28:38.4-0.3, 7.23S: 0.03x129.52E-0.04, h139km, mb4.4/21, Error ellipse: s-maj=5.0km s-min=3.7km az=170.1

NEIC 09 05:28:38.0-2.6, 7.12S: 129.42E; h116km, mb4.5/12, Error ellipse: s-maj=8.6km s-min=8.3km az=169.0

IDC 09 05:28:38.7-2.0, 7.05S: 129.42E; h118km, mb3.8/10, mb1.4/0.13, mb1mx3.8/42, mbtmp4.3/13, MS2.5/1, Ms1.2/5.1, ms1mx2.3/27, Error ellipse: s-maj=18.2km s-min=13.4km az=135.0

DJA 09 05:28:40.4-0.2, 7.52S: 129.9E; h127km, mb4.8/19, mB5.4/10, mb4.7/19, MLv4.9/15, Mw(mB)4.8/10

ISC 09 05:28:39.0-0.4, 7.20S: 0.04x129.52E-0.05, h139km, n65, az=242/72, mb4.3/21, Banda Sea

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time Res, Res

Table with columns: AKTO, ILAR, MENT, CLL, TXAR, CPUP, LPAZ, LPAZ, Code, Station Name, Az, Phase, ID, Time Res, Res

SOME 09 05:32:00.5, 43.57N: 84.00E, h5km, NNC 09 05:32:04.8-2.3, 43.77N: 83.83E, h7km, 11km, mb3.7, mpv3.4, Error ellipse: s-maj=17.7km s-min=8.6km az=127.0

ISC 09 05:32:04.1-9.4376N: 0.08:83.90E: 0.08, h10km, n25, az=153/38, 7C-8D, Northern Xinjiang

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time Res, Res

ISCJB 09 05:33:56.8-0.3, 16.62N: 0.03x40.87E: 0.04, h10km, mb4.-3/9m, MS3.8/22, Error ellipse: s-maj=5.0km az=164.3

IDC 09 05:33:56.3-0.3, 16.53N: 40.80E, h0km, mb4.2/23, mb1.4/2.27, mb1mx1.4/8, mbtmp4.2/27, ML4.0/3, MS3.7/24, Ms1.3/7.24, ms1mx3.6/40, Error ellipse: s-maj=17.2km s-min=14.9km az=1.0

SGS 09 05:33:56.1674N: 40.89E, h15km, MI3.8, NEIC 09 05:33:58.2-2.6, 16.68N: 40.79E, h10km, mb4.5/20, Error ellipse: s-maj=13.2km s-min=10.2km az=113.0

ISC 09 05:33:58.7-0.4, 16.74N: 0.04x40.94E: 0.05, h10km, n95, az=210/101, mb4.4/39, MS3.8/22, 3C-6D, Red Sea

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time Res, Res

Main station list table with columns: DESE, ANKE, RAYN, FURI, UOSS, MMAI, WSAR, WSAR, KMBO, KMBO, GNI, GNI, BRTR, BRTR, ILGA, GEYT, KBZ, KBZ, KVAR, KVAR, CFR, MLR, MLR, MLR, MLR, PLOI, VHIR, GZR, BIZ, BURAR, DRGR, KEST, KEST, KEST, GAR, AKASG, AKASG, KWP, AKTO, KK31, KKAR, VYHS, MODS, JAVC, KRUC, KSH, KSH, KSH, MORC, MORC, MORC, VRAC, TOAO, TORO, TORO, TORO, TOA1, GERES, GERES, GERES, FUORN, KHC, KHC, BRG, BRG, CLL, CLL, CLL, ARU, ARU, BRVK, ESDC, MAZK, MAZK, MKAR, MKAR, DBIC, DBIC, DBIC, FIAO, FIAO, FIAO, FINES, FINES, BOSA, HFS, HFS, WMQ, WMQ, WMQ, WMQ, NB200, NOA, ZALV, ZALV, ZAA1, MAW, ARAO, ARCES

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Skewness, Elevation Skewness, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Skewness, Elevation Skewness, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Skewness, Elevation Skewness, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Skewness, Elevation Skewness, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Bias, Elevation Bias, Azimuth Drift, Elevation Drift, Azimuth Jitter, Elevation Jitter, Azimuth Skew, Elevation Skew, Azimuth Kurtosis, Elevation Kurtosis, Azimuth Skewness, Elevation Skewness, Azimuth Peak, Elevation Peak, Azimuth Trough, Elevation Trough, Azimuth Flatness, Elevation Flatness, Azimuth Curvature, Elevation Curvature, Azimuth Concavity, Elevation Concavity, Azimuth Convexity, Elevation Convexity, Azimuth Symmetry, Elevation Symmetry, Azimuth Asymmetry, Elevation Asymmetry.

Table with columns: SDV, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations like Santo Domingo, Douglas, Junction City, etc.

SAR 09 08:18:13.6:0.6, 42.49N, 19.87E, h9km, 2km, ML2.5/9
TIR 09 08:18:13.8, 42.57N, 19.76E, h7km, Md2.7/3
PDG 09 08:18:14.5:0.3, 42.55N, 19.75E, h11km, MD2.7/2

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations in the Balkan Peninsula region.

Table with columns: RUDO, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like Selova, Dubrovnik, Lazi, etc.

STR 09 08:30:32.2:1.2, 44.1N, 14.4E, h16km, 8km, MLv3.6/6
GEN 09 08:30:32.9, 44.17N, 10.17E, h3km, MI3.0
ISGB 09 08:30:32.8:0.2, 44.12N, 0.01E, h9km, 1km

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations in Northern Italy and other regions.

Table with columns: PLMA, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for stations like Cardoso, Mastiano, Bagni Di Lucca, etc.

V56A	Mocksville comp=Z,16nm,1.1s	33.14 300	eP	P	09 49 49.3 +0.6	T52A	Hallie comp=Z,25nm,1.4s	35.36 301	eP	P	09 50 07.4 -0.6	Y49A	Blount Mountai comp=Z,10nm,0.9s	37.67 295	eP	P	09 50 27.7 0.0
V56A	Mocksville	33.14 300	P	P	09 49 48.8 +0.1	T52A	Hallie comp=Z,25nm,1.4s	35.36 301	P	P	09 50 08.6 +0.6	Y49A	Blount Mountai comp=Z,10nm,0.9s	37.67 295	P	P	09 50 28.3 +0.5
H56A	Elgin baz=119	33.14 317	P	P	09 49 49.8 +1.2	E52A	Mattawa baz=102	35.43 318	P	P	09 50 09.2 +0.8	W49A	Bellevue baz=96,SNR=12	37.68 297	P	P	09 50 28.2 +0.4
U56A	King baz=103	33.16 301	P	P	09 49 49.7 +0.8	BUKO	Buck Lake baz=118	35.51 317	P	P	09 50 09.9 +0.8	PAB	San Pablo comp=Z,14nm,1.6s	37.68 55	eP	P	09 50 26.9 -0.9
DWPF	Disney Wildern comp=Z,105nm,1.7s	33.18 286	eP	P	09 49 48.3 -0.8	U52A	Thorn Hill baz=100,SNR=5.2	35.53 300	P	P	09 50 09.9 +0.4	PAB	San Pablo comp=Z,14nm,1.6s	37.68 55	eP	pmax	09 50 26.9 -0.9
DWPF	Disney Wildern baz=89	33.18 286	P	P	09 49 49.8 +0.7	V52A	Sevierville comp=Z,20nm,1.4s	35.62 299	eP	P	09 50 10.4 +0.2	E48A	Lockeyer baz=114,SNR=7.4	37.70 317	P	P	09 50 28.3 +0.5
059Z	Ave Maria baz=87	33.24 283	P	P	09 49 50.2 +0.5	V52A	Sevierville baz=99	35.62 299	P	P	09 50 10.7 +0.5	O48A	Seville baz=104	37.71 306	P	P	09 50 28.1 +0.1
PECO	Prince Edward comp=Z,5.0nm,1.0s	33.30 316	eP	P	09 49 48.0 -1.9	D52A	ZEK Kipawa Sen baz=119	35.62 319	P	P	09 50 10.7 +0.6	Z49A	Columbiana baz=94	37.72 294	P	P	09 50 28.6 +0.4
X56A	White Oak baz=98	33.33 297	P	P	09 49 51.3 +0.9	F52A	Sundridge baz=117	35.62 317	P	P	09 50 10.3 +0.2	P48A	Milroy baz=103	37.73 305	P	P	09 50 28.7 +0.5
N55A	Marion Center comp=Z,8.3nm,1.0s	33.38 309	eP	P	09 49 50.7 -0.1	253A	Americus baz=94	35.63 293	P	P	09 50 10.9 +0.6	H48A	Harrisville baz=111	37.76 314	P	P	09 50 29.3 +1.0
N55A	Marion Center baz=111	33.38 309	P	P	09 49 51.6 +0.9	VLQD	Val d'Or comp=Z,9.0nm,1.0s	35.64 322	eP	P	09 50 12.7 +2.5	D48A	Paudash Townsh baz=116,SNR=5.0	37.77 318	P	P	09 50 28.4 +0.1
BLA	Blacksburg comp=Z,28nm,1.0s	33.39 302	eP	P	09 49 49.6 -1.3	353A	Camilla baz=93	35.66 291	P	P	09 50 11.5 +0.9	N48A	Decatur baz=105	37.77 307	P	P	09 50 28.9 +0.5
R55A	Marlinton comp=Z,16nm,1.2s	33.43 304	eP	P	09 49 52.0 +0.7	X52A	Dahlonega baz=98	35.68 297	P	P	09 50 11.8 +1.0	I48A	Sherman Twp baz=110	37.83 313	P	P	09 50 28.8 -0.1
156A	Sylvania baz=96	33.46 294	P	P	09 49 52.3 +0.8	TZTN	Tazewell comp=Z,25nm,1.0s	35.70 300	eP	P	09 50 09.6 -1.3	CLTN	Ceas of Leba comp=Z,8.3nm,1.1s	37.85 299	eP	P	09 50 28.1 -1.1
M55A	Ridgway baz=112,SNR=11	33.47 310	P	P	09 49 51.7 +0.2	TZTN	Tazewell baz=100,SNR=11	35.70 300	P	P	09 50 11.6 +0.7	CLTN	North Vernon baz=10	37.85 304	eP	P	09 52 46.8 +1.3
JSC	Jenkinsville comp=Z,19nm,0.9s	33.48 297	eP	P	09 49 49.4 -2.3	Y52A	Liburn comp=Z,9.1nm,1.0s	35.73 296	P	P	09 50 12.1 -1.0	Q48A	Myrand baz=101	37.85 303	P	P	09 50 29.7 +0.5
JSC	Jenkinsville comp=Z,19nm,0.9s	33.48 297	eP	pmax	09 49 49.4 -2.3	Y52A	Liburn baz=96	35.73 296	P	P	09 50 12.1 +0.9	R48A	Northridge Ran baz=101	37.86 303	P	P	09 50 29.9 +0.7
K55A	Perry baz=114	33.48 313	P	P	09 49 52.7 +1.0	453A	Whigham comp=Z,46nm,1.4s	35.73 291	eP	P	09 50 11.3 +0.1	S48A	Wiedeman Farm, baz=100,SNR=6.5	37.87 302	P	P	09 50 29.4 +0.1
L55A	Hinsdale baz=113	33.51 312	P	P	09 49 52.5 +0.6	W52A	Murphy comp=Z,18nm,1.0s	35.77 298	eP	P	09 50 11.8 +0.2	149A	Jones baz=93	37.91 293	P	P	09 50 30.3 +0.6
S55A	Lewisburg baz=105	33.59 303	P	P	09 49 53.8 +1.1	W52A	Murphy comp=Z,18nm,1.0s	35.77 298	eP	P	09 50 12.1 +0.5	ESDC	Sonsec Array comp=Z,0.2nm,0.4s,baz=277,slow=2.6,SNR=4.3	37.99 55	P	P	09 52 47.2 +1.2
T55A	Pulaski baz=104	33.65 302	P	P	09 49 54.1 +1.0	LSQD	Lebel-sur-Que baz=124	35.88 323	P	P	09 50 12.8 +0.5	ESDC	Sonsec Array comp=Z,0.2nm,0.4s,baz=245,slow=31	37.99 55	eP	LR	10 02 50.7
KM5C	Kings Mountain comp=Z,18nm,1.0s	33.68 298	eP	P	09 49 53.3 -0.2	I51A	Listowel baz=112,SNR=6.0	35.89 313	P	P	09 50 12.5 +0.1	ESLA	Sonsec Array comp=Z,11nm,1.6s	37.99 55	eP	P	09 50 29.1 -1.4
KM5C	Kings Mountain baz=100,SNR=8.1	33.68 298	P	P	09 49 54.0 +0.5	S51A	Beattyville comp=Z,6.6nm,1.1s	35.95 302	eP	P	09 50 13.4 +0.4	T48A	Bowling Green baz=98	38.05 301	P	P	09 50 31.7 +0.9
U55A	TAZ, Sparta baz=102	33.72 301	P	P	09 49 54.7 +0.9	S51A	Beattyville baz=102	35.95 302	P	P	09 50 13.1 +0.2	U48A	Cassie Pea, Po baz=98	38.07 300	P	P	09 50 32.1 +1.0
X55A	Gracelyn & Ava baz=99,SNR=11	33.81 297	P	P	09 49 55.2 +0.6	Z52A	Williamson baz=95	35.96 295	P	P	09 50 14.0 +0.8	BRAL	Brewton baz=91	38.08 291	P	P	09 50 32.2 +1.0
K54A	Basilio Farm, baz=114	33.85 312	P	P	09 49 55.5 +0.6	P51A	Williamsport comp=Z,15nm,1.4s	35.96 305	eP	P	09 50 13.7 +0.6	LRAL	Lakeview Retre comp=Z,12nm,1.0s	38.10 294	eP	P	09 50 31.5 +0.1
PLVO	Plevna baz=119	33.87 317	P	P	09 49 55.8 +0.9	KLBO	Killbear Provi baz=115	35.99 316	P	P	09 50 13.6 +0.4	LRAL	Lakeview Retre baz=99,SNR=9.3	38.10 294	P	P	09 50 32.4 +1.0
857A	Zephyrhills baz=89	33.88 286	P	P	09 49 56.5 +1.3	U51A	La Follette baz=100	36.04 300	P	P	09 50 13.9 +0.1	WCI	Wyandotte Cave comp=Z,12nm,1.0s	38.15 302	eP	P	09 50 30.4 -1.3
MEDO	Medina baz=114	33.92 313	P	P	09 49 56.3 +0.9	F51A	Arnstein baz=102	36.05 317	P	P	09 50 13.5 -0.2	WCI	Wyandotte Cave comp=Z,12nm,1.0s	38.15 302	P	pmax	09 50 32.5 +0.8
Y55A	Saluda baz=98,SNR=6.2	33.92 296	P	P	09 49 56.2 +0.7	Q51A	Peebles baz=104	36.06 305	P	P	09 50 14.4 +0.5	WCI	Wyandotte Cave baz=100	38.16 292	P	P	09 50 33.0 +1.1
ROSC	El Rosal comp=Z,39nm,21.5s	33.96 241	LR	LR	10 03 34.4	R51A	Hillsboro baz=102	36.08 303	P	P	09 50 14.7 +0.6	249A	Camden baz=92,SNR=9.8	38.16 292	P	P	09 50 33.0 +1.1
PAULI	Pauline comp=Z,13nm,0.9s	34.02 298	eP	P	09 49 56.3 0.0	BWLO	Walkerton baz=113	36.09 314	P	P	09 50 14.1 0.0	L47A	Shawwood baz=106	38.19 309	P	P	09 50 32.4 +0.4
556A	Lake Butler baz=92	34.05 289	P	P	09 49 57.2 +0.6	T51A	Gray baz=101	36.09 301	P	P	09 50 14.5 +0.2	V48A	Smith Brothers baz=97,SNR=5.8	38.20 298	P	P	09 50 32.8 +0.6
R54A	Victor baz=105	34.07 304	P	P	09 49 57.8 +1.0	ACSO	Alum Creek Sta baz=106	36.10 307	P	P	09 50 14.6 +0.4	349A	Repton baz=91	38.21 291	P	P	09 50 33.2 +0.9
J54A	Appleton baz=114	34.09 314	P	P	09 49 57.7 +0.9	252A	Lumpkin baz=99	36.14 292	P	P	09 50 15.8 +1.1	W48A	Pulaski baz=96	38.22 297	P	P	09 50 32.5 +0.1
L54A	Sinclairville baz=112	34.13 311	P	P	09 49 57.9 +0.6	152A	Waverly Hall baz=94,SNR=6.6	36.17 294	P	P	09 50 15.7 +0.8	K47A	Vermontville baz=107	38.24 310	P	P	09 50 33.0 +0.6
255A	Hazlehurst comp=Z,41nm,1.4s	34.22 293	eP	P	09 49 58.0 -0.1	352A	Blakely comp=Z,22nm,0.9s	36.27 292	eP	P	09 50 13.7 -2.2	X48A	Hartselle comp=Z,18nm,1.0s	38.25 296	eP	P	09 50 31.3 -1.2
S54A	Dinges, Beckl baz=104	34.22 303	P	P	09 49 58.9 +0.7	352A	Blakely comp=Z,22nm,0.9s	36.27 292	eP	P	09 50 16.6 +0.7	X48A	Hartselle baz=95,SNR=8.6	38.25 296	P	P	09 50 33.0 +0.4
T54A	Tazewell baz=103,SNR=9.5	34.25 302	P	P	09 49 59.2 +0.8	CPCT	Cooper Cave comp=Z,3.7nm,0.8s	36.30 298	eP	P	09 50 15.7 -0.4	N47A	Urbana baz=104	38.26 307	P	P	09 50 32.4 -0.2
155A	Kite baz=96	34.27 294	P	P	09 49 59.5 +0.9	W51A	Cleveland baz=98	36.46 298	P	P	09 50 17.9 +0.6	G47A	Hillman baz=111	38.28 314	P	P	09 50 33.1 +0.4
PEMO	Pembroke baz=119	34.28 318	P	P	09 49 59.5 +1.0	X51A	Calhoun comp=Z,25nm,0.9s	36.46 297	eP	P	09 50 16.4 -1.0	J47A	Sumner comp=Z,39nm,1.8s	38.29 311	eP	P	09 50 32.8 0.0
V54A	Nebo baz=101	34.29 299	P	P	09 49 59.6 +0.9	X51A	Calhoun baz=97,SNR=7.5	36.46 297	P	P	09 50 17.9 +0.5	Y48A	Jasper baz=94	38.31 295	P	P	09 50 33.9 +0.8
HODGE	Hodges comp=Z,20nm,1.0s	34.29 297	eP	P	09 49 59.0 +0.3	P50A	Janstown baz=104	36.55 305	P	P	09 50 19.0 +1.0	Q47A	Bedord North L baz=101	38.39 304	P	P	09 50 34.1 +0.4
U54A	Nelsons Funny comp=Z,15nm,0.9s	34.33 301	eP	P	09 49 59.4 +0.3	Y51A	Rockmart baz=96,SNR=7.4	36.56 296	P	P	09 50 19.0 +0.7	E47A	Iron Bridge baz=113	38.39 316	P	P	09 50 34.1 +0.5
U54A	Nelsons Funny baz=102	34.33 301	P	P	09 50 00.0 +0.9	S50A	Richmond baz=101	36.58 302	P	P	09 50 19.0 +0.6	O47A	Sheridan baz=103	38.47 306	P	P	09 50 34.2 -0.1
W54A	Cherokee Point baz=99,SNR=13	34.36 298	P	P	09 49 60.0 +0.6	MATO	Matagami baz=124	36.63 324	P	P	09 50 19.4 +0.7	S47A	Hartford baz=99,SNR=6.1	38.50 301	P	P	09 50 35.4 +0.7
DRWO	Darlington Wes baz=115	34.40 314	P	P	09 50 00.7 +1.2	R50A	Paris comp=Z,3.9nm,0.8s	36.65 303	eP	P	09 50 17.7 -1.2	D47A	Chapleau baz=110	38.52 317	P	P	09 50 35.7 +0.9
X54A	Belton baz=98	34.43 297	P	P	09 50 00.2 +0.3	151A	Opelika baz=94,SNR=7.8	36.67 293	P	P	09 50 20.2 +1.0	148A	Greensboro baz=92	38.57 293	P	P	09 50 35.7 +0.4
Y54A	Tignall baz=97,SNR=13	34.59 296	P	P	09 50 02.2 +0.9	U50A	Jamestown baz=99,SNR=6.5	36.71 300	P	P	09 50 20.1 +0.5	T47A	Sharon Grove comp=Z,12nm,0.9s	38.59 300	eP	P	09 50 35.4 0.0
455A	Stateville baz=92	34.61 290	P	P	09 50 02.1 +0.6	251A	Midway baz=93,SNR=7.6	36.71 293	P	P	09 50 20.5 +0.9	T47A	Sharon Grove baz=92	38.59 300	P	P	09 50 36.1 +0.7
E54A	Lac Duplat, Po baz=120,SNR=7.5	34.62 319	P	P	09 50 01.2 -0.2	TOBO	Tobermory, Bru baz=114	36.77 315	P	P	09 50 20.4 +0.4	U47A	Clarksville baz=97	38.66 299	P	P	09 50 36.4 +0.4
Q53A	Leroy baz=105	34.65 305	P	P	09 50 02.3 +0.6	V50A	Pikeville baz=98,SNR=6.7	36.80 299	P	P	09 50 21.1 +0.7	W47A	Westpoint baz=99	38.77 297	P	P	09 50 37.5 +0.5
Z54A	Sparta baz=96	34.65 295	P	P	09 50 02.4 +0.6	T50A	Nancy baz=100,SNR=9.6	36.80 301	P	P	09 50 20.8 +0.4	V47A	Nunn				

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email, Website, etc. Includes entries like N44A Piper City, M44A Midewin, Midew, etc.

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email, Website, etc. Includes entries like H10S3 ASCENSION HYDR3, H10S1 ASCENSION HYDR3, etc.

Table with columns: ID, Name, Address, City, State, Zip, Phone, Email, Website, etc. Includes entries like SQTA Sankt Quirin, AMTX Amarillo, AMTX Amarillo, etc.

9d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Odiogang, Santa Cruz, Baler, San Manuel, Pa, El Nido, Cuyo Island, Bolinao, Roxas, Chiang Mai Arr, Warramunga Arr, Songoing Array, Alice Springs, Makanchi Array, Zalesovo Beam, Borovoye Array, ARCESS Array B, Yellowknife Arr.

ISCJB 09 12:03:29.8:0.5, 13:12N:01:05:89:32W:0'03, h72km, 4km, mb3.7/5, Error ellipse: s-maj=10.0km s-min=3.3km az=25.5

NEIC 09 12:03:30.0:0.0, 13:18N:89:37W, h60km, mb3.9/5, MD4.1(SNET), After San Salvador.

NEIC Felt [I] at San Salvador. IDC 09 12:03:30.8:0.2, 13:05N:89:37W, h85km, 15km, mb3.2/3, mb1 3.6/6, mb1mx3.3/2, mbmtmp3.6/6, MS3.1/4, ms1mx2.7/21, Error ellipse: s-maj=51.2km s-min=10.5km az=44.0

SNET 09 12:03:30.3:0.1, 13:18N:89:37W, h60km, 5km, ML4.2 GCG 09 12:03:31.6:0.5, 13:17N:89:40W, h74km, 28km, MD4.2

ISC 09 12:03:31.0:0.1, 13:12N:01:07:89:30W:0'04, h66km, 7km, n49, r147/64, mb3.8/5, El Salvador

Main table listing station data for the 9d 13h period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Las Flores, Serv Nac Est T, Universidad O, La Fuente, Las Pavas, Universidad de, Cerro Verde, San Jose, San Benito, El Retiro, Victoria, Pacaya, Lacayo, San Miguel, Montecristo, La Caada, Conchagua, Las Nubes, Cosiguina Volc, Pacaya, Miral, Fuego 3, El Apazote, Tegucigalpa, Santiagouito 3, Estel, Comitan, Acoyapa, Las Esperanzas, Las Juntas de, Heredia, Matias Romero, Tegucigalpa, Santo Domingo, Junction City, White Oak Lake, Lajitas Array, Liburn, Ozark Folk Cen, Lac du Bonnet, San Ignacio, Yellowknife Arr, Vaihoo, Eielson Array, Candelaria.

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IDC 09 12:09:38.2:1.4, 6:92S:150:96E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.7/27, mbmtmp4.0/5, ML2.1/1, MS2.9/1, Ms1 2.9/1, ms1mx2.4/25, Error ellipse: s-maj=67.9km s-min=24.1km az=124.0

ISCJB 09 12:09:42.0:0.5, 6:91S:0:09:150:63E:0'09, h35km, mb3.9/7, MS2.7/1, Error ellipse: s-maj=17.5km s-min=6.2km az=136.2

NEIC 09 12:09:44.0:0.7, 6:82S:150:59E, h36km, 10km, mb4.1/7, Error ellipse: s-maj=14.2km s-min=4.7km az=160.0

ISC 09 12:09:43.9:0.8, 6:85S:0:1:150:66E:0'1, h35km, n22, r0563/24, mb4.1/7, New Britain region

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Rabaul, Port Moresby, Honiara, Charters Tower, Sorong, Warramunga Arr, Warramunga Arr, Alice Springs, Stephens Creek, Redoubt South, Rind, Denali Highway, Clear Creek Bu, Eielson Array, Torodi Arr, Bea, Torodi Arr, Sit.

IDC 09 12:16:10.9:2.6, 6:86S:150:82E, h0km, mb3.8/3, mb1 4.0/4, mb1mx3.6/30, mbmtmp3.9/4, ML2.1/1, Error ellipse: s-maj=77.7km s-min=41.8km az=121.0, New Britain region

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Port Moresby, Warramunga Arr, Warramunga Arr, Stephens Creek, Torodi Arr, Bea.

IDC 09 12:16:52.7:0.8, 6:34S:129:98E, h140km, 105km, mb3.0/1, mb1 3.2/4, mb1mx3.0/29, mbmtmp3.6/4, ML3.6/3, Error ellipse: s-maj=197.2km s-min=20.5km az=82.0, Banda Sea

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Sorong, Warramunga Arr, WRA, ASAR, Alice Springs, MKAR, Makanchi Array.

IDC 09 12:19:05.7:9.0, 2:173S:178:57W, h624km, 125km, mb2.9/5, mb1 3.3/6, mb1mx3.0/31, mbmtmp4.0/6, Error ellipse: s-maj=77.2km s-min=32.6km az=179.0, Fiji Islands region

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Urewera, Alice Springs, Warramunga Arr, Mina Array Bea, Eielson Array, Pinedale Array, Main Array Bea.

SVSA 09 12:23:57.5:1.1, 38:06N:26:35W, h4km, 7km, MD3.6, ML2.3, Error ellipse: s-maj=5.6km s-min=4.3km az=35.0, Azores Islands

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Sete Cidades, Ponta Delgada, Cha da Macela, Caldeiras da R, Serra do Cume, Pico Bartolomeo, Santa Maria, Pico do Norte, Rosais, Pico, Candelaria.

430

PCAN 6.0nm,0.2s A A 12 24 43.9

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Urewera, Charters Tower, Stephens Creek, Alice Springs, Warramunga Arr.

DJA 09 12:46:14.9:0.4, 1:54S:120:0E, h10km, M3.6/8, ML3.6/8, Sulawesi

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ampana, Tana Toraja, Luwuk, Sidrap Palu, Bone, Bulukumba.

IDC 09 12:46:06.3:10.0, 25:15N:142:13E, h0km, mb3.8/4, mb1 3.9/4, mb1mx3.5/37, mbmtmp3.8/4, MS3.5/1, Ms1 3.5/1, ms1mx2.2/33, Error ellipse: s-maj=325.0km s-min=108.3km az=16.0

ISCJB 09 12:47:15.5:0.7, 27:7N:0:1:140:2E:0'1, h500km, mb3.3/4, Error ellipse: s-maj=17.0km s-min=1.0km s-min=43.3

JMA 09 12:47:17.0:0.2, 27:91N:140:29E, h486km, M3.7

ISC 09 12:47:16.5:0.1, 0:279N:0:1:140:3E:0'1, h500km, n15, r185/17, mb3.4/4, Bonin Islands region

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Chichi jima, Haha-jima-NKT2, Hachio jima 2, Boso I, Ise, Mlekihoku, Ryogami san, Ashikaga, Amaminishikomi, Shimokoshiki, Inohosoki, Songoing Array, Zalesovo Beam, Makanchi Array, Fines Fines Array B.

NSCC 09 12:48:19.9:1.7, 34:27N:36:91E, h3km, 69km, ML1.7

JSO 09 12:48:14.4:0.5, 32:1N:3:36E, h5km, 6km, M2.3/7, Mjma2.3/7, ML2.2/6, MLV2.4/7, Dead Sea region

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Ai Zarga, Waia, Al Asfar, Sahal, El Lisan, Darawesh, TOTAH, Totah, Totah, Qassiuon.

SOME 09 12:50:57.9:40:83N:70:08E, h10km

NNC 09 12:51:06.4:5.2, 41:32N:69:93E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=46.1km s-min=26.2km az=23.0

ISC 09 12:51:01.8:4.4, 41:10N:0:2:69:2E:0'2, h35km, n7, r02/11, 3C-12, Tajikistan

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Iuzhnay, Boroday, Karatay Array, Taraz, Merke, Ala-Archa, Tokmak 2, Vinchna.

SJA 09 12:56:24.8:0.4, 31:32S:65:15W, h10km, 4km, ML2.5, MW3.7, Cordoba Province

Table listing station data for the 2013 JUL period. Columns include Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Tanti, San Martin, Punta de Los L, Cantantal, CERO LA CRUZ, GUANDACOL, Vinchna.

ISCJB 09 13:31:18.1:0.6, 5:91N:0:08:127:6E:0'1, h52km, mb3.8/10, Error ellipse: s-maj=19.0km s-min=7.7km az=152.9

Table with columns: ID, Station Name, Time, Res, and various codes. Includes stations like Tomar, Montargil, Beja, Vaqueiros, Castro Verde, Barranco-do-Ve, etc.

Table with columns: ID, Station Name, Time, Res, and various codes. Includes stations like DBIC, KIC, TIC, BALM, HYT, YKWS, YKA, YKBS, STKA, etc.

Table with columns: ID, Station Name, Time, Res, and various codes. Includes stations like ANOYA, FIAO, FINES, ARAO, etc.

WEL 09 13:58:39.21, 7.32°S, 22°18'0E, 4.4km, M4.2/16, mB4.4/4, MLV4.3/16, Mw(MB)3.5/4, Error ellipse: s-maj=0.0km s-min=0.0km az=49.9, South of Kermadec Islands

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like MXZ, WMGZ, HAZ, etc.

MAN 09 14:01:56.5, 17.86°N, 119.53°E, h16km, MS3.5, 1C, Philippine Islands region

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like ABRA, BOLA, BOLA, etc.

ISC/JB 09 14:02:30.8, 0.6, 34.776°N, 0.07, 137.03°E, 0.07, h338km, 5km, mb3.1/3, Error ellipse: s-maj=11.9km s-min=9.0km az=13.0

JMA 09 14:02:30.9, 0.3, 34.776°N, 136.96°E, h339km, 3km, M2.6, 1.0km, mb3.0/3, Error ellipse: s-maj=2.5km s-min=2.0km az=64.0

ISC 09 14:03:31.7, 0.9, 34.776°N, 137.00°E, 0.07, h332km, 8km, n25, +195/33, mb3.0/3, Western Honshu

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like JIE, JYA, JYA, etc.

ISC/JB 09 14:02:45.2, 0.5, 2.84°N, 104.48°E, 0.06, h10km, mb4.0/13, Error ellipse: s-maj=8.2km s-min=5.8km az=161.0

DJA 09 14:02:51.1, 1.0, 3°N, 124°E, h19km, 9km, M4.4/13, mB4.7/5, mb4.5/13, MLV4.6/13, Mw(MB)3.9/5

ISC 09 14:02:47.8, 0.5, 2.73°N, 128.56°E, h67km, 21km, mb3.7/13, mb1.3/9/14, mb1mx2.6/40, mbtmp4.0/14, MS3.2/2, Ms1.3/2.2, ms1mx2.6/40, Error ellipse: s-maj=28.3km s-min=17.1km az=73.0

ISC 09 14:02:47.8, 0.5, 2.68°N, 128.56°E, 0.07, h10km, n39, +38°10'35, mb4.1/13, 2C, Halmahera

Table with columns: Code, Station Name, Time, Res, and various codes. Includes stations like TNGI, SNTS, SNTS, etc.

9d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZAA1 Zalesovo Array, AKTO Aktyubinsk, etc.

2013 JUL

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

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ 0.6nm,0.3s,baz=231,slow=9.9,SNR=5.9, KSRS Korea Array, USRK Ussuriysk Arr, etc.

IDC 09 14:51:50.1-0.8, 42.23N-85.47E, h0km, mb3.9/10, mb1 3.9/14, mb1mx3.7/61, mbtmp3.8/14, ML3.1/4, Error ellipse: s-maj=28.3km s-min=14.2km az=61.0

BUI 09 14:51:53.6-0.0, 42.23N-85.22E, h8km, mb3.7/1, ML3.6/10, NEIC 09 14:51:55.9-0.8, 42.21N-85.28E, h39km, mb4.3/4, Error ellipse: s-maj=8.3km s-min=7.8km az=132.0

NNC 09 14:52:01.0-3.8, 42.44N-84.82E, h30km, mb4.1, mpv3.7, Error ellipse: s-maj=26.3km s-min=10.1km az=129.0

SOME 09 14:52:04.7, 42.42N-84.80E, h15km, ISC 09 14:51:53.1-0.6, 42.29N-0.06-85.24E-0.04, h10km, n62, a=193.79, mb4.0/11, 9C-8D, Northern Okinagi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, PDGK Podgomoye, DJR Jarkent, etc.

ISC/CB 09 15:06:0.6, 37.87N-107.135, 48E, h366km, mb2.4/1, Error ellipse: s-maj=9.0km s-min=8.1km

JMA 09 15:19:06.0-0.2, 37.84N-135.45E, h370km, M2.9, IDC 09 15:19:07.3-1.8, 37.96N-135.44E, h345km, 23km, mb2.4/1, mb1 2.5/5, mb1mx2.4/48, mbtmp3.1/5, Error ellipse: s-maj=40.0km s-min=28.4km az=9.0

ISC 09 15:19:06.7-1.2, 37.82N-109.135, 50E, h366km, n17, a=1500/20, Sea of Japan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JSD Sado, JKY Yasaka, JKSM Kasumi, etc.

NIED 09 15:21:00.35, 10N, 139.139, 10E, h8km, Mw3.7 Best double couple: M4.020000, 0.174, NP1: 182.00000, 1.26, 0.00000, NP2: 87.00000, 0.00000, 87.5, 0.00000, lambda, 124.00000, ISC/CB 09 15:21:46.6-0.5, 35.07N-103.139, 13E, 0.06, h29km, 3km, mb3.8/10, MS3.6/2, Error ellipse: s-maj=8.4km s-min=5.2km az=162.9

JMA 09 15:21:47.1, 35.15N-139.15E, h10km, 1km, M3.9 Broadband fault plane solution: P waves. NP1: 256.00000, 85.00000, lambda-98.00000, NP2: 136.00000, 89.00000, lambda-30.00000, Principal axes: T P1g40.0000, Azm353.0000, N P1g8.0000, Azm256.0000, P P1g49.0000, Azm157.0000

JMA 09 15:21:50.0-1.6, 35.06N-139.06E, h44km, 15km, mb3.6/10, IDC 09 15:21:50.0-1.6, 35.06N-139.06E, h44km, 15km, mb3.6/10, Mb1 3.8/14, mb1mx3.6/42, mbtmp3.8/14, ML3.4/4, MS3.1/4, Ms1 3.2/4, ms1mx2.6/46 Error ellipse: s-maj=23.6km s-min=9.7km az=78.0

ISC 09 15:21:46.4-0.8, 35.15N-103.139, 17E, 0.05, h16km, 5km, n35, a=071/35, mb3.9/10, 4C-2D, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AJI Ajiro2, JOD Odawara 2, JOD2 Kamata3, etc.

TAP 09 15:28:23.6, 24.04N-121.64E, h11km, ML2.1, C, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TWD Chiawan, HWA Hwalien, NACB Ninganchiao, etc.

Table with columns: WHYT, Xinyi Township, 0.80 245 eP, Pb, 15 28 39.9 +0.4, etc.

Table with columns: ONTNC, Ouen Toro, 9.56 198 eP, P, 15 46 26.7 +1.0, etc.

Table with columns: TAU, Tasmania Union, 35.33 209 eP, P, 15 50 17.7 +0.3, etc.

TAP OR 15:28:26.8, 24:06N:121.63E, h13km, ML2.1, C, Taiwan

Main table with columns: Code, Station Name, Az, Phase ID, ISC, Op, Time, Res, etc.

Main table with columns: GRZ, Roma, 23.62 233 P, P, 15 48 37.8 +1.4, etc.

Main table with columns: AAI, Ambon, 41.98 279 P, P, 15 51 11.3 0.0, etc.

MOS OR 15:44:10.8-0.8, 13.15S:169.54E, h611km, mb4.9/48, Error ellipse: s-maj=9.4km s-min=7.7km az=51.0

MLZ Mavora Lakes, 32.10 182 eP, P, 15 49 50.5 0.0, etc.

KSAR Wonju Array Be, 63.80 324 P, P, 15 53 46.1 +0.7, etc.

2013 JUL

Table with columns: ID, Name, Date, Time, Status, Location, and other details. Includes entries like MYKOM Kota Tinggi, TYV Tymovskoe, NIKH Nikolskiy, WHN Wuhan, BKNi Bangkinang, UNV Unalaska, IPM Ipo, KLR Kuldur, KULM Kulim, SKNT Sakalokorn, PSI Prapat, TRTT Trang, NONG Nongkai, CHAI Chaiyaphum, MA2 Magadan, PHRA Phrae, KMI Kunning, HHC Hu-ho-ha-te, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMMT Chiang Mai, CHTO Chiang Mai, OHAK Old Harbor, QSPA South Pole Qui, CD2 Chengdu, SEY Seymchan, LZH Lanzhou, SVW2 Sparrevohn, CNPM China Poot, RSO Redoubt, BRLK Bradley Lake, SEW Seward, TTA Talatina, RC01 Rabbit Creek A, BILL Bilibino, YAK Yakutsk, PMR Palmer, HOPS Hopland Field, KNK Knik Glacier, PPLA Purkeye, GLI Glacier Island, GDXM Geysers, SAO San Andreas Ge, KHMM Horse Mountain, SML Sawmill, HMT Hamilton, SBC Santa Barbara, O02D Mt. Diablo Mer, SCM Sheep Creek Mo, PKM Mapherson Peak, ULN Ulanbaatar, KTH Kantishna Hill, LOZE Cave Junction, WDC Whiskeytown Da, N02D Trinity Center, M02C Callahan, J01E Willamette Mer, SONAO Sogino Array, SONM Sogino Array, ORV Oroville.

Table with columns: ORV, BPAW, YBH, O03E, RND, AFDM, OSI, CMB, HUMO, ARVC, DHY, DHY, VOG, I02D, MCK, MCK, DECC, YES, I03D, BALM, BWN, L04D, MWC, MWC, GTA, RDOG, RDOG, ISA, ISA, ISA, PAX, PAX, PAX, PAX, I09C, EDW2, BFSC, BEKR, MURC, MDPB, OMMB, WAKR, J04D, BAR, I04A, WRH, G03D, PNTR, MLAC, H04D, VCNR, LRMC, CCB, MONP2, YERR, HDA, HDA, HDA, MAW, MAW, MAW, TCOL, COLA, COLA, COLA, IKP, E03A, RIDG, PAHR, PFO, PFO, RRX, DAC, DAC, DAC, MPMC, H04A, J05D, K05A.

Table with columns: F04D, ILAR, ILAR, ILAR, ILB, NLWA, DOT, MOD, RYN, POKR, NV01, NVAR, NVAR, NVAR, SWSC, GSC, GSC, GSC, NV11, I05D, GRAC, BELC, PINE, HEC, HYT, E04D, SHL, SHL, KVN, KVN, KVN, D03D, D04E, BC3, G05D, SHOC, PGC, GMRC, F05D, TUQ, PRP, COLD, GLA, GLA, GLA, GLA, IRM, D05A, TPNV, TPNV, TPNV, W00R, W00R, W00R, LDFC, Y12C, Y12C, I07A, B05A, BMN, BMN, BMN, 113A, EGAK, EGAK, DAWY, SHPR, J08A, PDMCI, LTY, R11A, R11A, TOLK, 214A, G08A, HAWA, W13A, LLLB, E08A, Y14A, D08A, ELK, ELK, ELK, BMO, BMO.

CISI	Cisompet, Garu	22.44 257	eP	P	16 20 33.6	-3.6
CISI	Cisompet, Garu	22.44 257	P	P	16 20 33.2	-4.0
LEM	Lembang	22.51 259	P	P	16 20 36.1	-2.0
LEM	comp-Z,49nm,0.6s,baz=346,slow=20,SNR=5.3		LR	LR	16 30 53.3	
CTA	Charters Tower	23.32 138	P	P	16 20 46.6	+0.4
CTA	Charters Tower	23.32 138	eP	P	16 20 47.2	+1.0
CTA	Charters Tower	23.32 138	eP	Pmax	16 20 47.2	+1.0
PPBI	Pangkal Pinang	23.74 271	P	P	16 20 51.7	+1.4
GIRL	Giralala	24.75 217	P	P	16 20 59.4	0.0
MDSI	Maura Dna	25.70 266	P	P	16 21 08.1	-0.1
MEEK	Meekatharra	25.88 204	P	P	16 21 09.1	-0.7
DLV	T Lat	25.94 305	eP	P	16 21 07.9	-2.6
JMBI	Jambi	26.26 272	P	P	16 21 16.1	+2.8
LHSI	Lahat	26.33 267	P	P	16 21 15.1	+1.2
MYKOM	Kota Tinggi	26.46 280	eP	P	16 21 13.8	-1.3
FORT	Forrest	27.70 183	eP	P	16 21 25.4	-0.6
FORT	Forrest	27.70 183	P	P	16 21 25.3	-0.7
KRJI	Kerinci	28.41 271	P	P	16 21 33.4	+0.7
BKNI	Bangkalinang	29.02 276	P	P	16 21 45.8	+7.7
MORW	Morawa	29.09 206	P	P	16 21 37.3	-1.1
KMB	Kambalada	29.22 194	P	P	16 21 38.2	-1.4
QIZ	Qiongzong	29.45 319	P	P	16 21 43.0	+1.2
QIZ	comp-Z,270nm,17.1s		LR	LR	16 26 35.4	+1.4
QIZ	comp-Z,290nm,15.1s		LR	LR		
PDSI	Padang	29.48 273	P	P	16 21 40.8	-1.4
RMQ	Roma	29.55 144	P	P	16 21 43.6	+0.9
IPM	Ipo	29.78 284	eP	P	16 21 44.6	-0.2
EIDS	Eidsvoll	30.18 139	P	P	16 21 46.5	-1.7
BBOO	Buckleboo	30.23 170	P	P	16 21 47.9	-0.6
BBOO	Buckleboo	30.23 170	P	P	16 21 49.3	-0.5
HNR	Honiarra	30.54 103	LR	LR	16 35 28.1	
STKA	Stevens Creek	30.78 160	P	P	16 21 53.9	+0.2
STKA	Stevens Creek	30.78 160	eP	P	16 21 53.5	+0.2
STKA	Stevens Creek	30.78 160	P	P	16 21 53.9	+0.2
STKA	Stevens Creek	30.78 160	Pmax	Pmax	16 21 53.6	+0.2
SISI	Saibti	30.82 272	P	P	16 21 52.8	-1.2
HTT	Hallett	31.44 165	P	P	16 21 59.7	+0.4
PSI	Prapat	31.48 280	eP	P	16 21 58.0	-2.0
PSI	Prapat	31.48 280	eP	Pmax	16 21 58.0	-2.0
CHBT	CHBT	31.52 300	P	P	16 22 02.1	+2.0
PANO	Nakornpanom	31.99 310	P	P	16 22 07.6	+3.5
TRTT	Trang	31.99 290	P	P	16 22 12.1	+7.9
NWAO	Narogin (SRO)	32.06 200	LR	LR	16 36 53.6	
NWAO	Narogin (SRO)	32.06 200	P	P	16 22 04.2	-0.4
CMSA	Cobar Meteorol	32.07 154	P	P	16 22 05.5	+0.8
SKNT	Sakolnakhorn	32.37 309	P	P	16 22 12.6	+5.1
GSI	Gunungsitoli	32.58 277	eP	P	16 22 07.6	-1.9
GSI	Gunungsitoli	32.58 277	P	P	16 22 07.3	-2.2
KCSI	Kotacane, Aceh	32.74 281	P	P	16 22 10.4	-0.5
TPTI	TPTI	32.78 280	P	P	16 22 17.9	+2.4
CHAI	Chaiyaphum	33.37 305	P	P	16 22 16.3	0.0
NONG	Nongkai	33.65 309	P	P	16 22 19.0	+0.3
ARMA	Armidale	34.17 145	P	P	16 22 25.3	+2.1
SLVN	Son La	35.09 315	eP	P	16 22 29.8	-1.5
ARPS	Mount Arapiles	35.38 163	P	P	16 22 34.7	+1.2
MGCD	Mangrove Creek	36.03 149	P	P	16 22 40.9	+1.8
UMPA	Umpang Tak	36.12 303	P	P	16 22 48.0	+7.9
PHRA	Phrae	36.18 307	P	P	16 22 41.6	+1.1
NJ2	Nanjing	36.39 344	eP	Pmax	16 22 42.3	+0.2
WHN	Wuhan	36.49 337	P	P	16 22 50.6	+7.6
WHN	Wuhan	36.49 337	S	S	16 28 23.4	+0.4
LAMP	Lampang	36.66 307	P	P	16 22 46.6	+1.9
CAN	Canberra	36.73 153	eP	P	16 22 46.6	+1.5
CAN	Canberra	36.73 153	eP	Pmax	16 22 46.6	+1.5
GYA	Guiyang	36.89 324	iP	P	16 22 47.9	+1.2
GYA	Guiyang	36.89 324	P	P	16 22 55.7	-1.0
GYA	Guiyang	36.89 324	P	Pn	16 24 13.9	+2.4
GYA	Guiyang	36.89 324	S	S	16 28 32.7	+3.2
GYA	Guiyang	36.89 324	S	S	16 30 59.6	-4.0
GYA	comp-Z,20nm,0.5s		Pmax	Pmax		
GYA	comp-Z,110nm,7.8s		LR	LR		
GYA	comp-Z,210nm,17.3s		LR	LR		
GYA	comp-Z,250nm,22.0s		LR	LR		
CM31	Chiang Mai Arr	37.18 306	eP	P	16 22 49.8	+0.7
CM31	Chiang Mai Arr	37.18 306	eP	P	16 25 09.7	+0.8
CMAR	Chiang Mai Arr	37.18 306	P	P	16 28 56.5	+2.9
CMAR	Chiang Mai Arr	37.18 306	P	P	16 22 49.8	+0.7
CMAR	Chiang Mai Arr	37.18 306	P	P	16 25 09.7	+0.8
CMAR	Chiang Mai Arr	37.18 306	P	P	16 28 56.5	+2.9
TOO	Toolangi	37.28 159	eP	P	16 22 51.5	+1.8
TOO	Toolangi	37.28 159	P	P	16 22 51.7	+2.0
TOO	Toolangi	37.28 159	eP	Pmax	16 22 51.5	+1.8
CMMT	Chiang Mai	37.37 307	P	P	16 22 51.1	+0.4
CHTO	Chiang Mai	37.37 307	eP	P	16 22 50.1	-0.6
CHTO	Chiang Mai	37.37 307	eP	Pmax	16 22 50.1	-0.6
CHTO	Chiang Mai	37.37 307	P	P	16 22 51.5	+0.8

CHTO	SNR=12		P	P	16 22 51.5	+0.8
MILA	Mila	38.26 155	P	P	16 22 59.3	+1.3
INU	Inuyama	38.40 318	P	P	16 23 04.0	+4.4
KMI	KMI	38.40 318	P	P	16 23 13.9	+0.1
KMI	comp-Z,19nm,0.6s		Pmax	Pmax	16 28 53.6	+1.0
KMI	comp-Z,190nm,7.6s		LR	LR		
KMI	comp-Z,180nm,12.4s		LR	LR		
KMI	comp-Z,170nm,18.4s		LR	LR		
INU	comp-Z,180nm,19.6s		LR	LR		
MAJO	Matsushiro	40.08 10	eP	P	16 23 01.5	-0.3
MAJO	Matsushiro	40.08 10	eP	P	16 23 11.8	-1.4
MAJO	Matsushiro	40.08 10	eP	Pmax	16 23 11.8	-1.4
MAT	Matsushiro	40.08 10	P	P	16 23 11.4	-1.8
MAT	Matsushiro	40.08 10	P	P	16 23 05.8	-1.1
MAT	Matsushiro Arr	40.08 10	P	P	16 23 11.5	-1.7
MJAR	comp-Z,7.6nm,0.8s,baz=193,slow=9.2,SNR=18		LR	LR	16 37 52.5	
MJB9	Matsu-Tunnel	40.09 10	eP	P	16 23 11.8	-1.4
Kerinci	comp-Z,14nm,0.8s		LR	LR	16 34 21.5	
DZM	Mont Dzumac	40.23 121	eP	LR	16 23 21.5	
KS15	Wonju Array Si	40.27 358	eP	P	16 23 14.7	0.0
KS15	comp-Z,2.4nm,0.8s,baz=172,slow=9.0,SNR=7.7		eP	P	16 25 19.1	+1.1
KS15	comp-Z,2.4nm,0.8s,baz=172,slow=9.0,SNR=7.7		eP	P	16 29 07.3	+2.4
KSRS	Korea Array	40.28 358	P	P	16 23 14.7	0.0
KSRS	comp-Z,2.1nm,0.9s,baz=178,slow=2.3,SNR=3.8		ScP	ScP	16 25 19.1	+1.1
KSRS	comp-Z,2.1nm,0.9s,baz=178,slow=2.3,SNR=3.8		ScP	ScP	16 29 07.3	+2.4
KSRS	comp-Z,1.6nm,1.0s,baz=174,slow=2.5,SNR=5.0		LR	LR	16 38 44.3	
XAN	Xi'an	41.80 334	P	P	16 23 26.9	-0.5
XAN	Xi'an	41.80 334	P	P	16 23 34.1	-3.4
CD2	Chengdu	41.91 325	P	P	16 23 26.7	-1.7
CD2	Chengdu	41.91 325	P	P	16 29 42.8	-1.8
CD2	comp-Z,10.0nm,0.7s		Pmax	Pmax		
CD2	comp-Z,110nm,5.7s		LR	LR		
CD2	comp-Z,430nm,17.2s		LR	LR		
CD2	comp-Z,290nm,16.2s		LR	LR		
MOO	Moorlands	42.22 161	P	P	16 23 32.7	+2.0
DL2	Dalian	42.38 350	eP	P	16 23 31.0	-1.0
DL2	Dalian	42.38 350	eP	P	16 29 50.6	-0.5
DL2	comp-Z,20nm,1.5s		Pmax	Pmax		
DL2	comp-Z,190nm,4.6s		Pmax	Pmax		
DL2	comp-Z,190nm,21.0s		LR	LR		
DL2	comp-Z,300nm,19.2s		LR	LR		
BJT	Baijiatuu	44.61 345	eP	P	16 23 49.5	-0.5
BJT	Baijiatuu	44.61 345	eP	P	16 23 49.5	-0.5
BJI	Beijing	44.63 345	P	P	16 23 50.0	-1.1
BJI	Beijing	44.63 345	P	P	16 30 26.6	+2.6
BJI	comp-Z,4.0nm,0.7s		LR	LR		
BJI	comp-Z,7.0nm,12.0s		LR	LR		
BJI	comp-Z,67nm,19.9s		LR	LR		
BJI	comp-Z,290nm,76.2s		LR	LR		
BJI	Beijing	44.63 345	P	P	16 23 49.5	-0.6
MSHR	Miyu Shuita	45.37 1	iP	P	16 23 55.8	-0.2
LZH	Lanzhou	45.86 330	iP	P	16 24 01.6	+1.4
LZH	Lanzhou	45.86 330	P	P	16 24 06.5	-3.9
LZH	Lanzhou	45.86 330	P	P	16 24 10.4	-4.2
LZH	Lanzhou	45.86 330	P	P	16 30 44.0	+1.7
LZH	comp-Z,29nm,1.3s		Pmax	Pmax		
LZH	comp-Z,130nm,4.9s		LR	LR		
LZH	comp-Z,320nm,15.6s		LR	LR		
LZH	comp-Z,250nm,15.2s		LR	LR		
LZH	comp-Z,370nm,17.0s		LR	LR		
SHL	Shilong	46.49 310	eP	P	16 24 03.8	-1.5
SHL	Shilong	46.49 310	eP	Pmax	16 24 03.8	-1.5
HHC	Hu-ho-hao-te	46.73 341	P	P	16 24 09.2	+2.3
HHC	Hu-ho-hao-te	46.73 341	P	P	16 24 22.8	+1.5
HHC	Hu-ho-hao-te	46.73 341	P	P	16 30 56.0	+1.5
HHC	comp-Z,15nm,1.0s		Pmax	Pmax		
HHC	comp-Z,150nm,6.3s		LR	LR		
HHC	comp-Z,140nm,14.3s		LR	LR		
HHC	comp-Z,220nm,15.5s		LR	LR		
CN2	Changchun	46.75 356	eP	P	16 24 14.3	+7.5
USA0B	Ussuriysk Arra	47.01 2	eP	P	16 24 08.2	-0.6
USA0B	Ussuriysk Arra	47.01 2	eP	P	16 24 08.2	-0.6
USA0B	Ussuriysk Arra	47.01 2	eP	P	16 24 08.7	-0.2
USA0B	Ussuriysk Arra	47.01 2	P	P	16 24 08.7	-0.2
USRK	comp-Z,3.5nm,0.5s,baz=178,slow=8.2,SNR=16		LR	LR	16 44 46.3	
TEY	Ternei	48.19	eP	P	16 24 23.7	+5.8
YUK	Yuzh-Kuril'sk	48.96 15	eP	P	16 24 29.3	+5.4
YUK	Yuzh-Kuril'sk	48.96 15	eP	P	16 31 37.7	+12
LSA	Lhasa	49.29 314	P	P	16 24 27.7	+0.4
GTA	Gaotai	50.45 330	eP	P	16 24 34.7	-0.8
GTA	comp-Z,4.0nm,0.8s		Pmax	Pmax		
GTA	comp-Z,110nm,6.2s		LR	LR		
GTA	comp-Z,130nm,15.8s		LR	LR		
GTA	comp-Z,120nm,16.5s		LR	LR		
YSS	Yuzh-Sakhalins	51.01 11	eP	P	16 24 39.6	+0.2
YSS	Yuzh-Sakhalins	51.01 11	eP	P	16 24 36.9	-2.5
YSS	Yuzh-Sakhalins	51.01 11	eP	P	16 24 49.4	
YSS	Yuzh-Sakhalins	51.01 11	eP	P	16 31 49.6	-4.6
YSS	comp-Z,10.0nm,1.1s		Pmax	Pmax		
YSS	comp-Z,100nm,4.8s		Pmax	Pmax		

JIRN	Jiri	51.94 309	eP	P	16 24 46.7	-0.5
KLR	Kul'dur	52.03	iP	P	16 24 47.6	+0.5
GUN	Gumba	52.30 309	eP	P	16 24 49.6	-0.3
PKI	Pulchoki	52.51 308	eP	P	16 24 50.2	-1.2
PKIN	Phulok	52.52 308	eP	P	16 24 50.3	-1.1
DMN	Daman	52.76 308	eP	P	16 24 51.9	-1.3
GKN	Gorkha	53.31 308	eP	P	16 24 56.7	-0.4
GRNR	Gornory	53.84 5	eP	P	16 25 02.2	+1.8
KOLD	Koldanda	54.02 308	eP	P	16 25 01.7	-0.7
DANN	Dangsi	54.16 308	eP	P	16 25 02.9	-0.6
ULN	Ulaanbaatar	54.45 341	iP	P	16 25 04.6	

SEY ZAAO	Seymchan Zalesovo Array	67.91 11	P	P	16 26 36.2 +0.4
ZALV	Zalesovo Beam	67.97 333	eP	P	16 26 35.2 -1.2
ZAA1	Zalesovo Array	67.97 333	eP	P	16 26 35.9 -0.5
KBL	Kabul	68.14 309	eP	P	16 26 36.9 -1.2
KBL	Kabul	68.14 309	eP	P	16 26 36.9 -1.2
GAR	Garm	68.80 314	eP	P	16 26 41.2 -0.9
GAR	Garm	68.80 314	eP	P	16 26 41.2 -0.9
KURK	Kurchatov	69.07 328	eP	P	16 26 42.8 -0.5
KURK	Kurchatov	69.07 328	eP	P	16 26 41.2 -2.1
KURK	Kurchatov	69.07 328	eP	P	16 26 43.6 +0.3
KURK	Kurchatov	69.07 328	eP	P	16 26 43.6 +0.3
OTUK	Ortayu	71.36 323	eP	P	16 26 56.7 -0.7
OTUK	Ortayu	71.36 323	eP	P	16 26 56.7 -0.7
ATKA	Atka Island	72.32 32	eP	P	16 27 03.2 +0.1
WSAR	Wadi Sarin	74.05 295	LR	LR	17 03 25.9
TIXI	Tiksi	74.50 360	eP	P	16 27 15.2 -0.4
TIXI	Tiksi	74.50 360	eP	P	16 27 15.9 +0.4
BRVK	Borovy	74.71 327	eP	P	16 27 16.3 -0.8
BRVK	Borovy	74.71 327	eP	P	16 27 17.0 -0.1
BRVK	Borovy	74.71 327	eP	P	16 27 17.5 +0.3
BRVK	Borovy	74.71 327	eP	P	16 27 17.5 +0.3
BILL	Bilibino	75.26 131	eP	P	16 27 21.9 +1.9
BILL	Bilibino	75.26 131	eP	P	16 27 37.5
BILL	Bilibino	75.26 131	eP	P	16 30 07.3
VNDA	Vanda	76.42 173	eP	P	16 27 26.7 +0.3
VNDA	Vanda	76.42 173	eP	P	16 27 26.8 +0.3
VNDA	Vanda	76.42 173	eP	P	16 27 26.8 +0.3
VNDA	Vanda	76.42 173	eP	P	16 27 26.8 +0.3
GEYT	Alibek	77.56 310	eP	P	16 27 34.0 +0.3
GYA0B	ALIBEK ARRAY	77.56 310	eP	P	16 27 33.1 -0.7
MAW	Mawson	78.63 201	eP	P	16 27 39.1 +0.1
MAW	Mawson	78.63 201	eP	P	16 27 39.0 +0.1
AB31	Akbulak array	79.32 321	iP	P	16 27 42.7 -0.5
AB31	Akbulak array	79.32 321	iP	P	16 27 42.7 -0.5
ABKAR	Akbulak array	79.32 321	eP	P	16 27 42.1 -1.1
PPT	Papeete	80.08 107	LR	LR	17 02 31.5
PPT2	Papeete2	80.08 107	eS	S	16 27 53.0 +2.3
PPT2	Papeete2	80.08 107	eS	S	16 52 50.0
TBI	Tubuai	80.24 113	eS	LR	16 27 54.9 +2.9
TBI	Tubuai	80.24 113	eS	LR	16 52 54.8
AKTO	Aktyubinsk	80.86 322	eP	P	16 27 50.6 -0.8
AKTO	Aktyubinsk	80.86 322	eP	P	16 27 53.9 +0.3
SVE	Sverdlouf	81.30 329	eP	P	16 27 58.3 -0.5
SVE	Sverdlouf	81.30 329	eP	P	16 27 58.4 -0.3
ARU	Arti	82.27 328	eP	P	16 28 12.8 +0.1
ARU	Arti	82.27 328	eP	P	16 28 15.3 +1.8
ARU	Arti	82.27 328	eP	P	16 28 15.7 +0.7
ARU	Arti	82.27 328	eP	P	16 28 15.7 +0.7
LKRN	Lenkeran, Azer	84.92 309	eP	P	16 28 12.8 +0.1
SVW2	Sparrevohn	85.17 28	eP	P	16 28 15.3 +1.8
TTA	Tatalina	85.46 26	eP	P	16 28 15.7 +0.7
TTA	Tatalina	85.46 26	eP	P	16 28 15.7 +0.7
RAYN	Ar Rayn	86.04 294	eP	P	16 28 18.8 +0.1
RAYN	Ar Rayn	86.04 294	eP	P	16 28 18.8 +0.1
RAYN	Ar Rayn	86.04 294	eP	P	16 28 18.8 +0.1
RAYN	Ar Rayn	86.04 294	eP	P	16 28 18.8 +0.1
RSO	Redoubt South	86.37 29	eP	P	16 28 18.8 -0.9
SEKA	Sheki	86.45 311	eP	P	16 28 20.7 +0.3
MNGR	Mingechevir, A	86.48 311	eP	P	16 28 20.7 +0.2
QSPA	South Pole Qui	86.98 180	eP	P	16 28 22.7 +0.2
GANO	Ganja	87.05 311	eP	P	16 28 24.3 +1.0
SYO	Syowa Base	87.34 2011	eP	P	16 28 23.0 -1.0
SYO	Syowa Base	87.34 2011	eP	P	16 28 25.4 -0.6
SYO	Syowa Base	87.34 2011	eP	P	16 28 32.9 -2.1
KNK	Knik Glacier	86.60 28	eP	P	16 28 31.1 +0.8
SML	Sawmill	88.72 28	eP	P	16 28 31.6 +0.8
SML	Sawmill	88.72 28	eP	P	16 28 31.6 +0.8
RND	Reindeer	88.73 26	eP	P	16 28 31.5 +0.6
RND	Reindeer	88.73 26	eP	P	16 28 31.5 +0.6
ZEI	Tsey	89.06 313	eP	P	16 28 32.0 -1.1
ZEI	Tsey	89.06 313	eP	P	16 28 32.0 -1.1
GLI	Glacier Island	89.18 29	eP	P	16 28 33.5 +0.6
SCM	Sheep Creek Mo	89.20 28	eP	P	16 28 33.1 +0.1
SCM	Sheep Creek Mo	89.20 28	eP	P	16 28 33.2 +0.1
SCM	Sheep Creek Mo	89.20 28	eP	P	16 28 33.2 +0.1
WRH	Wood River Hill	89.23 25	eP	P	16 28 33.7 +0.6
AKH	Akhalkalaki	89.25 311	eP	P	16 28 33.2 -0.7
AKH	Akhalkalaki	89.25 311	eP	P	16 28 33.3 -0.7
AKH	Akhalkalaki	89.25 311	eP	P	16 28 33.3 -0.7
DHY	Denali Highway	89.35 27	eP	P	16 28 33.9 +0.1
CCB	Clear Creek Bu	89.38 25	eP	P	16 28 34.0 +0.3
HDA	Harding Lake	89.71 26	eP	P	16 28 34.9 -0.4
ILAR	Eielson Array	89.79 25	eP	P	16 28 34.5 -1.2
ILB	Eielson Array	89.79 25	eP	P	16 28 34.5 -1.2
KBZ	Khabaz	89.87 314	eP	P	16 28 35.4 -1.1
PRGR	Permogore	89.87 332	eP	P	16 28 34.1 -2.0
PRGR	Permogore	89.87 332	eP	P	16 28 34.1 -2.0
KIV	Kislovodsk	90.03 314	eP	P	16 28 36.9 -0.5
KIV	Kislovodsk	90.03 314	eP	P	16 28 36.9 -0.5
PAX	Paxson	90.20 27	eP	P	16 28 38.0 +0.2
PAX	Paxson	90.20 27	eP	P	16 28 38.0 +0.2

PAX	Paxson	90.20 27	eP	P	16 28 38.0 +0.2
PAX	Paxson	90.20 27	eP	P	16 28 38.0 +0.2
EGAK	Eagle	92.23 25	eP	P	16 28 48.0 +0.9
KMBO	Kilima Mbogo	92.58 269	eP	P	16 28 50.9 +0.8
KMBO	Kilima Mbogo	92.58 269	eP	P	16 28 50.9 +0.8
KMBO	Kilima Mbogo	92.58 269	eP	P	16 28 50.9 +0.8
KMBO	Kilima Mbogo	92.58 269	eP	P	16 28 50.9 +0.8
DAWY	Dawson	92.98 26	eP	P	16 28 50.4 -0.2
OBN	Obninsk	94.33 325f	eP	P	16 28 57.9 +1.0
OBN	Obninsk	94.33 325f	eP	P	16 32 47.0
OBN	Obninsk	94.33 325f	eP	P	16 40 07.9 +1.8
OBN	Obninsk	94.33 325f	eP	P	16 46 31.9 +3.8
BR101	Reskin Array S	96.71 309	eP	P	16 29 07.3 -1.0
BRTR	Reskin Array B	96.71 309	eP	P	16 29 07.3 -1.0
ARAD	ARCESS Array S	97.80 340	eP	P	16 29 10.4 -2.0
ARECS	ARCESS Array B	97.80 340	eP	P	16 29 10.4 -2.0
AKASO	Malin Array Be	99.06 321	P	Pdifi	16 29 16.6 -1.9
AKAB	Malin Array Si	99.06 321	eP	Pdifi	16 29 16.6 -1.8
AKAB	Malin Array Si	99.06 321	eP	Pdifi	16 29 16.6 -1.8
FAIO	FINESS Array S	99.20 332	eP	Pdifi	16 29 17.0 -1.8
FAIO	FINESS Array S	99.20 332	eP	Pdifi	16 29 17.0 -1.8
FINES	FINESS Array B	99.20 332	eP	Pdifi	16 29 17.0 -1.8
SNA4	Sanaz	99.51 394	Pdifi	Pdifi	16 29 21.0 +0.8
VNA2	Neumayer-Watz	101.09 193	Pdifi	Pdifi	16 29 27.4 +0.3
BOSA	Boshof	101.37 240	P	Pdifi	16 29 28.1 -1.3
LANS	Liptovska Anna	105.53 320	eP	Pdifi	16 29 48.3 +0.9
LANS	Liptovska Anna	105.53 320	eP	Pdifi	16 29 48.2 +0.9
CLL	Colim	108.89 324	ePKIKP	PKIKP	16 34 08.0 +1.2
CLL	Colim	108.89 324	ePKIKP	PKIKP	16 44 00.0 -0.3
CLL	Colim	108.89 324	ePKIKP	PKIKP	16 49 48.0 -1.8
CLL	Colim	108.89 324	ePKIKP	PKIKP	16 52 05.0 -1.8
GERC	GERESS Array S	109.27 321	ePKIKP	PKIKP	16 34 06.2 -1.5
GERES	GERESS Array B	109.27 321	ePKIKP	PKIKP	16 34 06.2 -1.5
PD31	Pinedale Array	114.13 44	PKP	PKP	16 34 15.9 -1.5
PDAR	Pinedale Array	114.13 44	PKP	PKP	16 34 15.9 -1.5
PDAR	Pinedale Array	114.13 44	PKP	PKP	16 45 07.6 +2.6
RSSD	Black Hills	117.35 41	eP	Pdifi	16 30 43.1 +2.8
RSSD	Black Hills	117.35 41	eP	Pdifi	16 30 43.1 +2.8
ANMO	Albuquerque	118.96 51	ePKIKP	PKIKP	16 34 28.6 +1.7
MINX	Cornudas Mount	120.80 55	ePKP	PKIKP	16 34 31.0 +0.7
ECSD	EROS Data Cent	122.27 38	ePKP	PKIKP	16 34 32.9 0.0
TXAR	Lajitas Array	122.90 57	PKP	PKP	16 34 35.9 +1.0
ESDC	Sonsec Array	124.53 317	PKP	PKP	16 34 36.6 -0.6
JCT	Junction City	125.72 54	ePKIKP	PKIKP	16 34 40.7 +0.6
JCT	Junction City	125.72 54	ePKIKP	PKIKP	16 34 40.7 +0.6
TOAO	Torodi Ar. Sit	127.82 284	ePKP	PKP	16 34 44.2 +0.2
TORD	Torodi Ar. Bea	127.82 284	PKP	PKP	16 34 42.9 -1.1
TOA1	Torodi Ar. Sit	127.83 284	ePKP	PKP	16 34 42.9 -1.1
CCM	Cathedral Cave	128.72 42	ePKIKP	PKIKP	16 34 45.8 0.0
CCM	Cathedral Cave	128.72 42	ePKIKP	PKIKP	16 34 45.8 0.0
MIAR	Mount Ida	128.87 47	ePKP	PKIKP	16 34 46.6 +0.4
MIAR	Mount Ida	128.87 47	ePKP	PKIKP	16 34 46.6 +0.4
D53A	Lac Vaciue, Po	129.99 24	ePKP	PKP	16 34 47.7 +0.4
PLCA	Paso Flores	132.65 159	PKP	PKP	16 34 53.3 -0.5
LRAL	Lakeview Retre	134.35 45	ePKP	PKP	16 34 55.4 -0.5
DBIC	Dimbokro	134.77 276	PKP	PKP	16 34 46.6
TCA	Tanti	143.19 159	eP	PKP	16 35 09.4 +0.2
TCA	Tanti	143.19 159	eP	PKP	16 36 29.7
AGUA	GUANDACOL	143.22 153	eP	PKP	16 35 13.8 +1.3
AGUA	GUANDACOL	143.22 153	eP	PKP	16 36 48.9
APLL	PUNTA DE LOS L	143.29 156	eP	PKP	16 35 08.1 -0.2
APLL	PUNTA DE LOS L	143.29 156	eP	PKP	16 36 33.5
ACLC	CERRO LA CRUZ	143.96 155	eP	PKP	16 35 07.5 -3.6
VCA	Vinchina	143.99 152	eP	PKP	16 35 13.5 -0.4
VCA	Vinchina	143.99 152	eP	PKP	16 36 48.5
JTS	Las Juntas de	144.67 76	ePKIKP	PKP	16 35 14.7 -0.5
CYA	Choya	145.30 155	eP	PKP	16 35 04.8 -1.1
CYA	Choya	145.30 155	eP	PKP	16 35 19.7
GOO2	Mina Guanaco	146.23 147	ePKP	PKP	16 35 20.2 +0.4
AHML	Horco Molle	146.95 155	eP	PKP	16 35 09.9 -8.9
FSA	Cafayate	147.25 153	eP	PKP	16 35 14.3 -5.2
AZAP	Zapla	149.29 153	eP	PKP	16 35 25.5 -1.8
AZAP	Zapla	149.29 153	eP	PKP	16 37 32.3
HJA	Humahuaca	149.99 151	eP	PKP	16 35 30.5 +0.2
HJA	Humahuaca	149.99 151	eP	PKP	16 37 14.4
CPUP	Villa Florida	150.03 167	PKP	PKP	16 35 29.1 +0.4
LPAZ	La Paz	153.85 138	PKP	PKP	16 35 39.0 +0.4
LPAZ	La Paz	153.85 138	PKP	PKP	16 35 39.0 +0.4

ESL	baz=1.0	eS	Sb	16 18 26.1 +0.1	
VWDT	vwdt	0.64 335	eP	Pb	16 18 17.3 -0.2
VWDT	baz=335	eS	Sg	16 18 26.2 -0.2	
ALS	Alishan	0.67 300	iP	Pg	16 18 18.4 -0.1
ALS	baz=300	S	S	16 18 27.5 -0.1	
ECL	Taimali	0.73 218	P	Pb	16 18 18.3 -0.9
ECL	baz=216	S	S	16 18 28.4 -0.4	
WHYT	Xinyi Township	0.75 314	eP	Pg	16 18 19.8 0.0
WHYT	baz=314	S	S	16 18 30.5 -1.1	
SLGT	Liqui	0.75 256	P	Pg	16 18 20.1 +0.2
SLGT	baz=255	eS	Sg	16 18 29.7 -0.2	
SSLB	Suanglung	0.76 324	eP	Pb	16 18 19.6 -0.1
SSLB	baz=324	eS	Sb	16 18 29.5 -0.1	
TPUB	Ta-pu	0.76 280	eP	Pg	16 18 20.1 +0.1
TPUB	baz=279	eS	Sg	16 18 30.4 +0.3	
WTP	Ta-pu	0.76 275	P	Pn	16 18 20.4 -0.6
WTP	baz=275	S	Sg	16 18 30.7 +0.4	
SGST	Jiashan	0.79 263	P	Pn	16 18 21.0 -0.4
SGST	baz=262	S	S	16 18 32.1 -0.5	
HWA	Hwallen	0.81 11	P	Pn	16 18 21.7 +0.1
HWA	baz=12	eS	S	16 18 33.2 +0.1	
CHN5	Tsauling	0.82 301	iP</		

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

NEIC 09 16:25:16.6:3.9,31.33S;179.35W,h145km,32km,mb4.3/2, Error ellipse: s-maj=34.3km s-min=20.2km az=21.0, etc.

ISC 09 16:25:22.3:0.9,31.67S;179.5W,0.1,h200km,n47, etc.

Main table of seismic events with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like GLKZ, MXZ, WNGZ, etc.

DJA 09 16:26:53.8:1.0,3.3S;130.0E,h26km±13km,M3.5/8, MLV3.5/8,Seram

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

GUC 09 16:34:08.0:0.6,33.81S;71.38W,h70km±6km,ML3.5, 6C-2D, Near coast of central Chile

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

IDC 09 16:54:26.7:2.2,46.15N;156.43E,h0km,mb3.8/2, mb1 3.8/4,mb1mx3.3/5,mbtmp3.8/4,ML3.0/2, Error ellipse: s-maj=63.2km s-min=28.1km az=105.0

SKHL 09 16:54:40.8:0.1,47.22N;154.94E,h45km±1km,mb3.8/3

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

BUI 09 17:04:11.1±0.0,3.60S;100.58E,h16km,mb5.7/88, mb5.6/70,MS5.8/88,MS7.5/6/81

NEIC 09 17:04:15.4±1.6,3.36S;100.46E,h18km,2km,mb5.6/174, MS5.4/60,MSV5.6, Error ellipse: s-maj=10.0km, s-min=7.6km az=53.0, Moment Tensor Solution, s50

MOS 09 17:04:17.0±0.5,3.29S;100.46E,h46km,mb5.8/105, MS5.2/60, Error ellipse: s-maj=6.4km s-min=4.1km az=110.6

DJA 09 17:04:17.0±0.5,3.3S;120.10E,h22km,4km,MS.4/83, mb5.8/59,mb5.4/83,MLV5.8/29,Mv(mB)5.3/59,Mwp5.6/12

GCMT 09 17:04:18.4±0.1,3.60S;0.01x100.05E,0.01,h24km, MW5.5/98, Moment Tensor Solution. s92,c162; s98,c182; Duration: 1.54 Moment tensor: Scale 1017Nm; Mv:1.29±0.03; Mw:0.77±0.02; Ms:1.01±0.03; Mm:0.65±0.01; Mf:0.87±0.03; Best double couple: Mv:1.85000x1017 Np1.0x131.000000,868.000000; Mw:0.000000; NP2:3.312.00000,822.000000; A:91.000000; Principal axes: T:1.8500,Plg67.0000; Azm:11.000000; N:0.0050,Plg0.0000; Azm:131.000000; P:-1.8610,Plg23.0000; Azm:21.000000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

IDC 09 17:04:20.0±0.1,3.32S;100.48E,h54km,8km,mb5.0/43, mb1 5.0/46,mb1mx4.9/49,mbtmp5.2/46,MS5.1/34, Ms1.5/134,ms1mx4.9/59 Error ellipse: s-maj=9.8km s-min=6.0km az=44.0

ISC 09 17:04:16.8±0.4,3.31S;100.42E,0.03,h29km,6km, h29km,pp-P,1.624,±142/1484,mb5.5/269,MS5.4/636, 57C-10D, Southern Sumatara

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

BLSI 615nm,0.6s,12um16m, 5.23 113 P Pn 17 05 33.7 +0.7

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

TSI Tuntungan 7.02 324 P Pn 17 06 00.1 +2.5

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

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

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

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

TTSI Tana Toraja 19.37 90 P Pn 17 08 42.3 +0.7

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

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

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

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like CM3I, CMAR, etc.

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

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

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

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

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

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

BJT	comp=Z,10um,18.0s	45.48	17	eP	P	17 12 34.6	+1.2
BJT	comp=Z,139nm,1.1s				pmax		
BJT	comp=Z,10um,18.0s				MLR		
JNU	Nakatsue	46.30	36	eP	P	17 12 40.2	+0.2
DL2	Dalian	46.35	23	P	P	17 12 35.0	-5.3
DL2				sP	pP	17 12 49.8	+0.7
DL2				PP	PP	17 14 25.1	-4.4
DL2				S	S	17 19 18.0	-7.8
DL2				sS	pS	17 19 34.1	-1.8
DL2	comp=Z,80nm,1.2s				pmax		
DL2	comp=Z,820nm,4.2s				pmax		
DL2	comp=N,6um,15.0s				LR		
DL2	comp=E,3um,14.7s				LR		
DL2	comp=Z,9um,15.2s				LR		
HLETT	Hallett	46.78	134	P	P	17 12 44.8	+0.9
PMG	baz=47,SNR=8.6	46.81	100	eP	P	17 12 44.2	-0.1
PMG	Port Moresby				LR		
PMG	comp=Z,2um,21.0s				LR		
PMG	Port Moresby	46.81	100	eP	P	17 12 44.2	-0.1
PMG	comp=Z,49nm,0.9s				pmax		
PMG	comp=Z,2um,21.0s				MLR		
TJN	Taejon	46.82	30	iP	P	17 12 44.2	+0.2
RER	Riviere de l'E	46.90	244	eP	P	17 12 46.0	+1.0
GUMO	comp=Z,60nm,1.0s	47.19	68	eP	P	17 12 45.0	-2.2
GUMO	Guam				pmax		
GUMO	Guam	47.19	68	eP	P	17 12 45.0	-2.2
GUMO	comp=Z,245nm,1.3s				pmax		
CTAO	Charters Tower	47.67	114	eP	P	17 12 51.5	+0.5
CTAO	comp=Z,72nm,1.3s				LR		
CTAO	comp=Z,2um,20.0s				LR		
CTAO	Charters Tower	47.67	114	eP	P	17 12 51.5	+0.5
CTAO	comp=Z,72nm,1.3s				pmax		
CTAO	comp=Z,2um,20.0s				MLR		
KBL	Kabul	47.84	325	eP	P	17 12 51.7	-0.6
KBL	comp=Z,31nm,1.0s				LR		
KBL	Kabul	47.84	325	eP	P	17 12 51.7	-0.6
KBL	comp=Z,2um,21.0s				pmax		
KBL	comp=Z,31nm,1.0s				MLR		
KS15	comp=Z,2um,21.0s	47.91	30	eP	P	17 12 53.1	+0.6
KSRS	Wonju Array Si				LR		
KSRS	Korea Array	47.94	30	P	P	17 12 53.2	+0.5
KSRS	comp=Z,127nm,1.1s,baz=221,slow=8.0,SNR=156				LR		
STKA	Stevens Creek	47.97	131	P	P	17 36 01.8	
STKA	comp=Z,2um,18.0s,baz=244,slow=4.0						
STKA	Stevens Creek	47.97	131	P	P	17 34 39.3	
STKA	comp=Z,15nm,0.8s,baz=308,slow=8.8,SNR=24						
STKA	comp=Z,3um,21.9s,baz=300,slow=38						
STKA	Stevens Creek	47.97	131	eP	P	17 12 53.9	+0.8
STKA	comp=Z,8.3nm,0.8s				LR		
STKA	comp=Z,800nm,21.0s				LR		
STKA	Stevens Creek	47.97	131	P	P	17 12 54.2	+1.1
STKA	baz=48,SNR=20						
STKA	Stevens Creek	47.97	131	eP	P	17 12 53.9	+0.8
STKA	comp=Z,8.0nm,0.8s				pmax		
STKA	comp=Z,800nm,21.0s				MLR		
KSH	Kashi	48.19	335	P	P	17 12 54.4	-0.4
KSH				pP	pP	17 13 04.3	+0.6
KSH				sP	sP	17 13 08.5	+1.3
KSH				PcP	PcP	17 14 21.4	-0.5
KSH				PP	PP	17 14 46.7	-0.7
KSH				PcS	PcS	17 18 12.6	-5.2
KSH				S	S	17 19 46.9	-5.5
KSH				sS	sS	17 22 39.1	-7.0
KSH	comp=Z,76nm,1.1s				pmax		
KSH	comp=Z,640nm,4.4s				pmax		
KSH	comp=Z,770nm,14.9s				LR		
KSH	comp=Z,5um,22.1s				LR		
KSH	comp=Z,2um,21.2s				LR		
WMQ	Urumqi	48.30	348	PFAKE	P	17 13 10.0	+1.5
WMQ	comp=Z,2um,21.0s				LR		
WMQ	Urumqi	48.30	348	eP	P	17 12 58.0	+2.5
WMQ				sP	pP	17 13 04.9	+0.5
WMQ				PP	PP	17 14 47.1	-1.1
WMQ				S	S	17 19 55.6	+2.0
WMQ				sS	pS	17 22 47.6	+1.1
WMQ	comp=Z,130nm,1.1s				pmax		
WMQ	comp=Z,110nm,4.3s				pmax		
WMQ	comp=Z,1um,19.7s				LR		
WMQ	comp=Z,1um,22.7s				LR		
WMQ	comp=Z,2um,21.0s				LR		
WSAR	Wadi Sarin	48.53	305	LR	LR	17 31 51.6	
BIDO	comp=Z,3um,20.1s,baz=134,slow=34	49.08	305	P	P	17 13 12.0	+1.0
BIDO	Bidbid						
SNY	Shenyang	49.62	23	iP	P	17 13 05.3	-0.2
SNY				pP	pP	17 13 14.8	+0.2
SNY				PP	PP	17 15 02.2	+2.0
SNY				S	S	17 20 11.5	-0.6
SNY	comp=Z,66nm,1.2s				pmax		
SNY	comp=Z,630nm,9.6s				pmax		
SNY	comp=Z,4um,15.7s				LR		
SNY	comp=Z,4um,16.1s				LR		
SNY	comp=Z,8um,13.5s				LR		
PRZ	Przheval'sk	49.76	339	eP	P	17 13 09.0	+2.1
PRZ	comp=Z,317nm,1.2s				LR		
PRZ	Przheval'sk	49.76	339	eP	P	17 13 09.0	+2.1
PRZ	comp=Z,317nm,1.2s				MLR		
KDJ	Kajisay	49.91	337	eP	P	17 13 09.4	+1.4
KDJ	comp=Z,2um,20.0s				LR		
KDJ	comp=Z,229nm,1.0s				LR		
KDJ	comp=Z,2um,19.0s				LR		
KDJ	comp=Z,229nm,1.0s				MLR		
KDJ	comp=Z,2um,19.0s				MLR		
PDGK	Podgornoye	50.12	340	P	P	17 13 11.0	+1.5
PDGK	comp=Z,224nm,1.1s				pmax		
UZB	Uzynbulak	50.12	340	iP	P	17 13 10.9	+1.4
UZB				iS	S	17 15 07.1	
UZB				pmax	pmax	17 20 21.5	+2.1
UZB	comp=Z,282nm,3.1s				smax		
UZB	comp=E,73nm,2.0s				smax		
UZB	Uzynbulak	50.12	340	iP	P	17 13 10.9	+1.4
UZB	comp=E,282nm,3.1s				ePP		

UZB	comp=E,73nm,2.0s				iS	S	17 20 21.5	+2.1
SATY	Saty	50.26	339	iP	P	17 13 11.8	+1.2	
SATY				iS	S	17 20 23.8	+2.5	
SATY	comp=Z,488nm,2.9s				smax	smax		
SATY	comp=E,269nm,2.6s				iP	P	17 13 11.8	+1.2
SATY	Saty	50.26	339	iP	P	17 13 11.8	+1.2	
SATY	comp=E,488nm,2.9s				iS	S	17 20 23.8	+2.5
ULHL	Ulahol	50.37	337	P	P	17 13 13.5	+2.0	
ULHL	SNR=15							
GAR	Garm	50.43	330	eP	P	17 13 11.4	-0.5	
GAR	comp=E,215nm,1.4s				LR	LR		
GAR	comp=Z,4um,21.0s				LR	LR		
GAR	Garm	50.43	330	eP	P	17 13 11.4	-0.5	
GAR	comp=Z,215nm,1.4s				pmax	pmax		
GAR	comp=Z,4um,21.0s				MLR	MLR		
KPKS	Kokpek	50.52	340	iP	P	17 13 13.5	+1.1	
KPKS				eS	S	17 15 11.3		
KPKS				S	S	17 20 26.7	+1.9	
KPKS	comp=Z,343nm,3.1s				pmax	pmax		
KPKS	comp=Z,125nm,2.3s				smax	smax		
KPKS	Kokpek	50.52	340	iP	P	17 13 13.6	+1.1	
KPKS	comp=E,343nm,3.1s				iP	P	17 13 13.6	+1.1
KPKS				ePP	PP	17 15 11.4	+2.9	
KPKS				iS	S	17 20 26.7	+1.9	
KZA	Kyzart	50.63	336	P	P	17 13 15.2	+1.4	
KZA	comp=E,125nm,2.3s				S	S	17 13 15.2	+1.4
BOOM	Booskoye uch	50.70	337	eP	P	17 13 14.8	+0.9	
BOOM	comp=E,125nm,2.3s				LR	LR		
BOOM	Booskoye uch	50.70	337	eP	P	17 13 14.8	+0.9	
BOOM	comp=Z,3um,20.0s				LR	LR		
BOOM	Booskoye uch	50.70	337	eP	P	17 13 14.9	+0.9	
BOOM	comp=Z,129nm,1.2s				pmax	pmax		
BOOM	comp=Z,3um,20.0s				MLR	MLR		
CHGR	Chuyagaron	50.77	328	eP	P	17 13 18.3	+3.8	
CHGR	comp=Z,245nm,1.2s				LR	LR		
CHGR	comp=Z,3um,20.0s				eP	P	17 13 18.3	+3.8
TNS	Tian-Shan	50.77	338	eP	P	17 13 15.8	+1.0	
TNS				eP	P	17 13 15.9	+1.0	
AAA	Alma-Ata	50.94	338	eP	P	17 13 16.6	+1.0	
AAA				eS	S	17 20 31.3	+0.8	
AAA	Alma-Ata	50.94	338	eP	P	17 13 16.6	+1.0	
AAA				eS	S	17 20 31.3	+0.8	
CMSA	Cobar Meteorol	50.97	129	P	P	17 13 17.4	+1.4	
CMSA	baz=51,SNR=34							
ARSB	Arslanbob	50.98	333	eP	P	17 13 16.9	+0.8	
ARSB	comp=Z,272nm,1.1s							
BTK	Batken	50.99	331	eP	P	17 13 17.1	+1.0	
BTK	comp=Z,128nm,1.1s				LR	LR		
BTK	Batken	50.99	331	eP	P	17 13 17.1	+1.0	
BTK	comp=Z,3um,22.0s				LR	LR		
BTK	comp=Z,128nm,1.1s				eP	pmax		
BTK				MLR	MLR			
MTBS	Maitube	51.05	337	eP	P	17 13 17.2	+0.7	
MTBS				eP	P	17 13 17.9	+0.7	
UCH	Uchtor	51.06	335	P	P	17 13 18.4	+1.4	
UCH	SNR=52							
TKM2	Tokmak 2	51.20	337	P	P	17 13 19.1	+1.3	
TKM2	SNR=148							
SONA	Songino Array	51.20	5	ePcP	PcP	17 14 33.7	+1.0	
SONA				eP	P	17 13 19.3	+1.7	
SONM	Songino Array	51.20	5	P	P	17 13 19.3	+1.7	
SONM	comp=Z,172nm,1.0s,baz=189,slow=8.2,SNR=530							
SONM	comp=Z,288nm,1.0s,baz=193,slow=4.2,SNR=4.1				PcP	PcP	17 14 33.7	+1.0
KBK	Karagaybulak	51.24	336	P	P	17 13 20.0	+2.0	
KBK	SNR=38							
ALNE	Al Ain	51.26	305	iP	P	17 13 19.9	+1.6	
ALNE	SNR=8.0							
UOSS	Minazif	51.28	306	eP	P	17 13 19.6	+1.1	
UOSS	comp=Z,69nm,1.5s							
UOSS					LR	LR		
UOSS	comp=Z,1um,18.0s							
UOSS	Minazif	51.28	306	P	P	17 13 16.7	-1.7	
HATD	Hatta, Dubai	51.29	306	P	P	17 13 17.6	-0.9	
ULN	Ulaanbaatar	51.30	6	eP	P	17 13 19.7	+1.4	
ULN	comp=Z,220nm,1.0s							
ULN					LR	LR		
ULN	comp=Z,4um,18.0s							
ULN	Ulaanbaatar	51.30	6	iP	pmax	17 13 20.0	+1.7	
ULN	comp=Z,190nm,1.0s				pmax	pmax		
ULN	Ulaanbaatar	51.30	6	P	P	17 13 19.9	+1.5	
AML	Almayashu	51.33	335	P	P	17 13 20.4	+1.5	
AML	SNR=10							
AAK	Ala-Archa	51.41	336	P	P	17 13 20.5</		

Table with columns for station call letters, frequency, and various signal quality indicators (e.g., SNR, SNR=106, etc.).

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WORD	Divnogorie	74.91 325	eP	P	17 15 54.0	-0.8
WORD			ePP	pP	17 16 02.3	-1.8
WORD			pmax			
VSR	comp=Z,70nm,1.2s					
VSR	Storozhevoje	75.09 325	eP	P	17 15 55.4	-0.5
VSR			ePP	pP	17 16 02.7	-2.5
VSR			pmax			
ANTO	comp=Z,100nm,1.3s					
ANTO	Ankara	75.18 313	eP	P	17 15 57.0	+0.2
ANTO			LR	LR		
ANTO	comp=Z,1,1um,21.0s					
ANTO	Ankara	75.18 313	eP	P	17 15 57.0	+0.2
ANTO			pmax			
ANTO	comp=Z,52nm,1.1s					
ANTO			MLR	MLR		
BR231	comp=Z,1,1um,21.0s					
BR231	Keskin MP Arra	75.18 313	eP	P	17 15 56.9	0.0
BOSA	comp=Z,69nm,1.2s					
BOSA	Boshof	75.40 241	P	P	17 15 58.5	+0.1
BOSA			LR	LR	17 44 46.1	
BOSA	comp=Z,811nm,18.2s,baz=89,slow=32					
BOSA	Boshof	75.40 241	eP	P	17 15 58.5	+0.1
BOSA			LR	LR	17 16 10.0	+1.0
HIZ	comp=Z,48nm,1.6s					
HIZ	Hauti	75.77 129	PFAKE	LR		
LPSR	comp=Z,2,um,20.0s					
LPSR	Galich ya Gora	75.81 326	eP	P	17 15 59.5	-0.5
LPSR			ePP	pP	17 16 07.3	-2.0
LPSR			pmax			
SIM	comp=Z,60nm,1.1s					
SIM	Simferopol'	75.85 318	eP	P	17 15 56.4	-4.0
SIM			eS	S	17 25 39.0	-1.9
SIM			pmax			
SIM	comp=Z,110nm,10.4s					
SIM			pmax			
SNZO	comp=Z,34nm,0.9s					
SNZO	South Karori	76.03 132	PFAKE	LR	17 16 10.0	+8.5
ISP	comp=Z,3,um,20.0s					
ISP	Isparta	76.31 310	eP	P	17 16 04.4	+1.1
ISP			LR	LR		
ISP	comp=Z,800nm,1.8s					
ISP	Isparta	76.31 310	eP	P	17 16 04.4	+1.1
ISP			pmax			
ISP	comp=Z,800nm,1.8s					
ISP			MLR	MLR		
MDUB	comp=Z,800nm,19.0s					
MDUB	Mudurnu	76.52 313	eP	P	17 16 04.3	-0.2
MDUB			LR	LR		
MDUB	comp=Z,353nm,1.0s					
MDUB			LR	LR		
SEY	comp=Z,4,um,21.0s					
SEY	Seymchan	76.68 22	P	P	17 16 05.5	+0.7
SYO	comp=Z,39nm,1.1s,baz=236,slow=3.9,SNR=24					
SYO	Syowa Base	76.77 199	eP	P	17 16 05.0	-0.1
SYO			eP	pP	17 16 11.2	-3.1
SYO	Syowa Base	76.77 199	eP	P	17 16 18.0	+1.7
SYO			eP	P	17 16 07.4	+0.7
PRGR	comp=Z,1,1um,21.0s					
PRGR	Permogore	77.03 336	iP	P	17 16 15.0	-1.0
PRGR			e	pmax	17 19 00.4	
PRGR			pmax			
PRGR	comp=Z,125nm,0.9s					
TIXI	Tiksi	77.08 9	P	P	17 16 06.5	-0.3
TIXI			LR	LR		
TIXI	comp=Z,52nm,1.0s,baz=188,slow=3.9,SNR=70					
TIXI			PP	PP	17 18 57.0	-3.6
TIXI	comp=Z,18nm,1.0s,baz=192,slow=8.0,SNR=3.4					
TIXI			S	S	17 25 50.5	-2.9
TIXI	comp=Z,0.6nm,0.3s,baz=331,slow=21,SNR=7.7					
TIXI			LR	LR	17 54 00.7	
TIXI	comp=Z,5,um,20.1s,baz=198,slow=39					
TIXI	Tiksi	77.08 9	eP	P	17 16 06.5	-0.3
TIXI			LR	LR		
TIXI	comp=Z,104nm,1.2s					
TIXI			LR	LR		
TIXI	comp=Z,4,um,20.0s					
TIXI	Tiksi	77.08 9	iP	P	17 16 06.1	-0.7
TIXI			pmax			
TIXI			pmax			
BFZ	comp=Z,69nm,1.1s					
BFZ	Birch Farm	77.10 131	PFAKE	LR	17 16 20.0	+1.2
BFZ			LR	LR		
BKZ	comp=Z,4,um,21.0s					
BKZ	Black Stump Fm	77.12 129	eP	P	17 16 08.5	+0.6
BKZ			LR	LR		
BKZ	comp=Z,68nm,1.0s					
BKZ			LR	LR		
URZ	comp=Z,3,um,21.0s					
URZ	Urewera	77.51 128	PFAKE	LR	17 16 20.0	+1.0
URZ			LR	LR		
MOS	comp=Z,2,um,21.0s					
MOS	Moscow	77.83 329	eP	P	17 16 10.1	-1.2
MOS			i	S	17 16 18.5	
MOS			e	S	17 19 15.6	
MOS			eS	S	17 25 59.0	-3.1
MOS			pmax			
MOS	comp=Z,300nm,1.5s					
MOS			pmax			
MOS	comp=Z,1,140nm,1.2s					
MOS			pmax			
MANT	comp=Z,85nm,1.0s					
MANT	Manisa	77.98 310	eP	P	17 16 13.8	+1.0
MANT			LR	LR		
MANT	comp=Z,2,um,19.0s					
MANT	Obninsk	78.12 328	P	P	17 16 13.4	+0.5
MANT			LR	LR		
MANT	comp=Z,4.9nm,0.4s,baz=154,slow=1.3,SNR=23					
MANT	Obninsk	78.12 328	eP	P	17 16 13.8	+0.8
MANT			LR	LR		
MANT	comp=Z,213nm,1.2s					
MANT			LR	LR		
MANT	comp=Z,1,1um,20.0s					
MANT	Obninsk	78.12 328	iP	P	17 16 13.4	+0.5
MANT			e	S	17 16 45.0	
MANT			eS	S	17 25 58.1	-7.2
MANT			eSS	S	17 31 05.1	-2.4
MANT			pmax			
MANT	comp=Z,81nm,1.1s					
MANT	Matakaoa Point	78.39 128	PFAKE	LR	17 16 30.0	+1.5
MANT			LR	LR		
MANT	comp=Z,2,um,20.0s					
MANT	Karpathos	78.39 307	eP	P	17 16 16.2	+1.3
MANT			LR	LR		
MANT	comp=Z,1,144nm,1.0s					
MANT			LR	LR		
MANT	comp=Z,1,um,18.0s					
MANT	Balikesir	78.77 311	eP	P	17 16 18.4	+1.6
MANT			LR	LR		
MANT	comp=Z,1,145nm,1.0s					
MANT			LR	LR		
MANT	comp=Z,3,um,21.0s					
MANT	Sutherland	79.46 238	eP	P	17 16 22.5	+1.4
MANT			LR	LR		
MANT	comp=Z,128nm,1.8s					
MANT			LR	LR		
MANT	comp=Z,1,166um,22.0s					
MANT	Tirgusor	79.59 316	eP	P	17 16 21.7	+0.5
MANT			LR	LR		
MANT	comp=Z,1,116nm,1.0s					
MANT			LR	LR		
MANT	comp=Z,1,um,18.0s					
MANT	Tirgusor	79.59 316	eP	P	17 16 21.7	+0.5
MANT			pmax			
MANT	comp=Z,1,116nm,1.0s					
MANT			MLR	MLR		
MANT	comp=Z,1,um,18.0s					
MANT	Kishinev	79.99 319	iP	P	17 16 30.0	+6.6
MANT			S	S	17 26 20.0	-5.5
MANT			eS	S	17 26 42.0	
MANT			eSS	S	17 31 40.0	+4.1
MANT			LRM	MLR	17 55 00.0	
MANT	comp=Z,400nm,19.0s					
MANT	Kishinev	79.99 319	iP	P	17 16 30.0	+6.6
MANT			eS	S	17 26 20.0	-5.5
MANT			eP	S	17 26 42.0	
MANT			eSS	S	17 31 40.0	+4.1
MANT			pmax			
MANT	comp=Z,180nm,1.2s					
MANT			MLR	MLR		
MANT	comp=Z,700nm,20.0s					
MANT	Alexandroupoli	80.42 312	eP	P	17 16 26.5	+0.6
MANT			LR	LR		
MANT	comp=Z,2,1nm,1.1s					
MANT			LR	LR		
MANT	comp=Z,500nm,20.0s					
MANT	Alexandroupoli	80.42 312	eP	P	17 16 26.5	+0.6
MANT			pmax			
MANT	comp=Z,2,1nm,1.1s					
MANT			MLR	MLR		
MANT	comp=Z,500nm,20.0s					
MANT	Malin Array Be	80.77 322	P	P	17 16 27.4	-0.2
MANT			iP	P	17 16 26.1	-1.4
MANT	comp=Z,4.6nm,0.8s,baz=87,slow=4.5,SNR=7.1					
MANT	Malin Array Be	80.77 322	iP	P	17 16 26.1	-1.4
MANT			P	P		
AKASG	comp=Z,6.0nm,0.7s					
AKASG	Malin Array Si	80.77 322	eP	P	17 16 27.0	-0.5
AKASG			LR	LR		
AKASG	comp=Z,2,7nm,1.0s					
AKASG			LR	LR		
AKASG	comp=Z,1,um,22.0s					
AKASG	Malin Array Si	80.77 322	eP	P	17 16 27.0	-0.5
AKASG			pmax			
AKASG	comp=Z,2,7nm,1.0s					
AKASG			MLR	MLR		
AKASG	comp=Z,1,um,22.0s					
AKASG	Vanda	80.80 169	P	P	17 16 28.2	+1.0
AKASG			LR	LR	17 53 30.7	
AKASG	comp=Z,2.2nm,1.0s,baz=310,slow=6.5,SNR=5.6					
AKASG	Vanda	80.80 169	eP	P	17 16 28.2	+1.0
AKASG			eP	P	17 16 28.4	+1.3
AKASG			eP	P	17 16 32.3	+0.4
AKASG	comp=Z,458nm,18.1s,baz=10,slow=36					
AKASG	Vanda	80.80 169	eP	P	17 16 28.2	+1.0
AKASG			eP	P	17 16 28.4	+1.3
AKASG			eP	P	17 16 32.3	+0.4
AKASG	comp=Z,1,123nm,1.2s					
AKASG	Muntele Rosu	81.54 317	eP	P	17 16 32.3	+0.4
AKASG			LR	LR		
AKASG	comp=Z,800nm,19.0s					
AKASG	Muntele Rosu	81.54 317	eP	P	17 16 32.3	+0.4
AKASG			pmax			
AKASG	comp=Z,123nm,1.2s					
AKASG			MLR	MLR		
AKASG	comp=Z,800nm,19.0s					
AKASG	Scott Base	81.89 169	eP	P	17 16 34.1	+1.1
AKASG			eP	P	17 16 34.1	+1.1
AKASG	comp=Z,62nm,1.4s					
AKASG	Scott Base	81.89 169	eP	P	17 16 34.1	+1.1
AKASG			pmax			
AKASG	comp=Z,6					

9d 17h

GOPC GOPC	eS AMS	S AMS	17 27 55.7 -6.2 18 07 10.0
ATKA Atka Island comp=Z,700nm,16.2s comp=Z,100nm,1.3s	89.76 38 eP	P LR	17 17 12.0 -0.3
CLTB Caltabellotta comp=Z,600nm,20.0s comp=Z,50nm,1.3s	89.78 307 eP	P	17 17 14.2 +1.2
MOA Molin comp=Z,20nm,1.8s	89.85 318 ePcP	P	17 17 14.3 +1.3
PRU Pruhonice comp=Z,700nm,18.1s	89.86 320 eP eS MLR	P S MLR	17 17 14.4 +1.5 17 28 00.6 -2.7
PRU Pruhonice comp=Z,700nm,18.1s	89.86 320 eP eP AMS	P pP AMS	17 17 14.4 +1.5 17 17 21.9 -0.4 17 28 00.6 -2.7 18 05 20.0
PVCC Panska Ves comp=Z,700nm,18.1s	89.89 320 eP MLR	P MLR	17 17 15.5 +2.4
PVCC Panska Ves comp=Z,700nm,16.9s	89.89 320 eP eP AMS	P pP AMS	17 17 15.5 +2.4 17 17 22.8 +0.1 18 08 10.0
AQU L'Aquila comp=Z,66nm,1.2s	90.00 312 eP	P	17 17 15.3 +1.5
AQU L'Aquila comp=Z,400nm,20.0s	90.00 312 eP pmax	P pmax	17 17 15.4 +1.5
AQU L'Aquila comp=Z,66nm,1.2s	90.00 312 eP MLR	P MLR	17 17 15.4 +1.5
TRI Trieste comp=Z,400nm,20.0s	90.01 316 PFAKE LR	LR	17 17 30.0 +1.6
MYKA Terra Mystica comp=Z,34nm,1.6s	90.17 317 ePcP	P	17 17 15.9 +1.4
GEC2 GERESS Array S comp=Z,51nm,1.3s	90.31 319 eP	P	17 17 16.2 +1.0
GEC2 GERESS Array B comp=Z,900nm,20.0s	90.31 319 P	P	17 17 16.0 +0.8
GERES Berggiesshubel comp=Z,462nm,19.6s,baz=90,slow=39	90.32 321 eP	LR	18 03 07.8
BRG Berggiesshubel comp=Z,27nm,1.4s	90.32 321 eP	P	17 17 16.2 +1.2
BRG Berggiesshubel comp=Z,44nm,1.3s	90.32 321 i	S	17 17 24.2
BRG Berggiesshubel comp=N,355nm,25.4s comp=E,558nm,16.6s comp=Z,780nm,18.0s	90.32 321 eP e SS SS	P S SS	17 17 16.2 +1.2 17 28 05.0 -2.5 17 34 02.0 -5.7
BRG Berggiesshubel comp=Z,27nm,1.4s	90.32 321 eP SS pmax	P SS pmax	17 17 16.2 +1.2 17 28 05.0 -2.5 17 34 02.0 -5.7
BRG comp=N,355nm,25.4s	90.32 321 eP MLR	P MLR	17 17 16.2 +1.2
BRG comp=E,558nm,16.6s	90.32 321 eP MLR	P MLR	17 17 16.2 +1.2
KBA Koelnbreinsper comp=Z,9.7nm,1.3s	90.41 317 ePcP	P	17 17 16.9 +1.1
KBA Koelnbreinsper comp=Z,11nm,1.3s	90.41 317 P pmax	P pmax	17 17 17.8 +2.0
KHC Kasperske Hory comp=Z,13nm,1.6s	90.41 319 eP	P	17 17 16.2 +0.6
KHC Kasperske Hory comp=Z,300nm,21.0s	90.41 319 eP	P	17 17 15.7 +0.1
KHC Kasperske Hory comp=Z,700nm,21.9s	90.41 319 eP e eS AMS	P S AMS	17 17 15.7 +0.1 17 17 24.7 -0.3 17 17 35.5 17 28 10.3 +1.7 18 04 30.0
CLL Collm comp=Z,700nm,21.9s comp=Z,31nm,1.4s	90.94 321 eP	P	17 17 18.2 +0.3
CLL Collm comp=Z,700nm,21.0s	90.94 321 i i eS pmax	P S pmax	17 17 18.7 +0.8 17 17 30.5 17 28 14.0 +0.8
CLL Collm comp=Z,14nm,1.2s	90.94 321 i MLR	P MLR	17 17 18.7 +0.8
CLL Collm comp=Z,700nm,21.6s comp=Z,14nm,1.2s	90.94 321 i i pP	P pP	17 17 18.7 +0.8 17 17 26.5 -0.8
CLL Collm comp=Z,24nm,1.2s	90.94 321 i i ePP ePPPP eSKSac eS PS PPS eSS eSSS eSSSS LmV	P PP PP PP S S S S S S	17 17 30.5 17 20 54.0 -0.2 17 23 00.0 17 24 18.0 17 27 53.0 +5.2 17 28 14.0 +0.8 17 29 24.0 -0.7 17 29 53.0 17 34 06.0 -1.1 17 38 00.0 17 41 00.0 18 05 00.0
ABTA Abfattersbach comp=Z,12nm,1.2s	90.95 317 eP	P	17 17 18.7 +0.5
RGN Rugen comp=Z,900nm,20.0s	90.99 324 PFAKE LR	LR	17 17 30.0 +1.2
SNA Sanae comp=Z,37nm,1.5s	91.03 198 eP	P	17 17 19.9 +1.9
SNA Sanae comp=Z,1.1um,19.0s	91.03 198 eP pmax	P pmax	17 17 19.9 +1.9
SNA Sanae comp=Z,37nm,1.5s	91.03 198 eP MLR	P MLR	17 17 19.9 +1.9
SNA Sanae comp=Z,1.1um,19.0s	91.21 330 eP MLR	P MLR	17 17 19.4 +0.4
HFS Hagfors comp=Z,14nm,1.0s,baz=315,slow=0.8,SNR=7.1	91.22 320 eP	P	17 17 21.5 +2.2
NKC Novy Kostel comp=Z,600nm,17.1s	91.22 320 eP eS AMS	P S AMS	17 28 16.8 +0.9 17 17 21.5 +2.2 17 28 16.8 +0.9 18 05 50.0
NKC Novy Kostel comp=Z,600nm,17.1s	91.22 320 eP eS AMS	P S AMS	17 17 21.5 +2.2 17 28 16.8 +0.9 18 05 50.0
WTTA Wattenberg comp=Z,19nm,1.2s,SNR=5.2	91.58 317 eP	P	17 17 21.6 +0.3
WATA Walderalm comp=Z,18nm,1.1s	91.63 317 P PcP	P	17 17 22.0 +0.5
GRB1 Grafenberg Arr comp=Z,47nm,1.2s	91.69 319 P pmax	P pmax	17 17 24.1 +2.6
MOX Moxa comp=Z,14nm,1.9s	91.78 320 P pmax	P pmax	17 17 24.1 +2.3
SQTA Sankt Quirin comp=Z,11nm,1.0s	91.87 317 eP	P	17 17 22.9 +0.4
MOTA Moosalm comp=Z,24nm,1.1s	91.95 317 eP	P	17 17 23.3 +0.3
GRA1 Grafenberg Arr comp=Z,700nm,18.0s	91.98 319 PFAKE LR	LR	17 17 30.0 +7.2
SPA0 Spitsbergen Ar comp=Z,91nm,1.3s	92.00 348 eP	P	17 17 23.4 +1.1
SPITS Spitsbergen Ar comp=Z,23nm,1.0s,baz=72,slow=6.1,SNR=5.6	92.00 348 P	P	17 17 21.6 -0.7
GAMB Gambell comp=Z,1.1um,19.0s	92.01 26 PFAKE LR	LR	17 17 30.0 +7.5

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RETA Reutte comp=Z,23nm,1.2s,SNR=6.9	92.19 317 ePcP	P	17 17 24.8 +0.9
FETA Feichten comp=Z,24nm,1.2s	92.19 317 i PcP	P	17 17 25.4 +1.4
VLC Villacoledand comp=Z,500nm,20.0s	92.31 314 PFAKE LR	LR	17 17 40.0 +1.6
NB2 NORSAR Subarra comp=Z,1.5nm,0.8s,baz=93,slow=4.8	92.49 331 P	P	17 17 25.4 +0.5
NOA NORSAR Array B comp=Z,6.0nm,1.0s,baz=93,slow=4.7,SNR=6.7	92.49 331 P LR	P LR	17 17 25.5 +0.5 18 04 50.1
NOA NORSAR Array B comp=Z,368nm,18.1s,baz=80,slow=39	92.49 316 PFAKE LR	LR	17 17 40.0 +1.4
FUORN Fuorn comp=Z,700nm,21.0s	92.79 305 P	P	17 17 27.4 +0.7
DAVA Damuels comp=Z,19nm,1.3s,SNR=6.6	92.78 317 ePcP	P	17 17 28.3 +1.3
KES1 Kesra comp=Z,12nm,1.0s,baz=19,slow=1.1,SNR=10	92.79 305 eP	P	17 17 28.1 +1.2
KES2 Kesra comp=Z,40nm,1.1s	92.79 305 eP	P	17 17 28.1 +1.2
KES3 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES4 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES5 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES6 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES7 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES8 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES9 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES10 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES11 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES12 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES13 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES14 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES15 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES16 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES17 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES18 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES19 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES20 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES21 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES22 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES23 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES24 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES25 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES26 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES27 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES28 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES29 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES30 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES31 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES32 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES33 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES34 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES35 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES36 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES37 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES38 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES39 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES40 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES41 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES42 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES43 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES44 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES45 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES46 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES47 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES48 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES49 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES50 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES51 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES52 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES53 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES54 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES55 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES56 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES57 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES58 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES59 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES60 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES61 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES62 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES63 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES64 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES65 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES66 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES67 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES68 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES69 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES70 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES71 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES72 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES73 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES74 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES75 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES76 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES77 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES78 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES79 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES80 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES81 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES82 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES83 Kesra comp=Z,1.1um,21.0s	92.79 305 eP	P	17 17 28.1 +1.2
KES84 Kesra comp=Z,1.1um,21.0s	92.		

9d 17h

Table with columns: ID, Name, Comp-Z, 1µm, 21.0s, 136.51, 6, P, PKIKP, 17 23 37.7 -0.2, etc.

2013 JUL

Table with columns: KSCO Kaye Shedlock, 138.74, 28, P, PKPdf, 17 23 41.4 +0.7, etc.

450

Table with columns: L47A Sherwood, 141.18, 7, P, PKPdf, 17 23 45.0 +0.2, etc.

Table with columns: ID, Name, Value, Count, Status, Location, Time. Includes entries like Williamsport, Burton, Olney, Pank, Wackersv, Whipple, etc.

Table with columns: ID, Name, Value, Count, Status, Location, Time. Includes entries like Mineral, Richmond, Parma, Princeton, Clayton, Accomac, Beattyville, etc.

Table with columns: TZTN, Name, Value, Count, Status, Location, Time. Includes entries like Tazewell, Cedar's of Esba, Nunnelly, LaFollette, etc.

9d 17h

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like 435B Jarrell, W50A Signal Mountai, W50A Signal Mountai, etc.

2013 JUL

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like VBMS comp=Z,900nm,20.0s, VBMS Vicksburg, Y54A Tignall, etc.

452

Table with columns: Call Sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like 356A Blackshear, 452A Marianna, LVC Vernon, etc.

THR 09 17:05:10.8,28:13N:56:15E,h18km,ML4.2
DSN 09 17:05:11.8,1.0,28:18N:55:77E,h10km,ML4.3/9,Error
TEH 09 17:05:12.9,28:16N:56:00E,h20km,ML4.2
NEIC 09 17:05:12.0,0.28:17N:55:99E,h10km,mb4.0/13,
MN4.2(TEH),After TEH.
IDC 09 17:05:13.3,2.1,27:99N:55:91E,h46km,28km,mb3.8/14,
mb1.3/8.18,mb1mx3.6/68,mbtmp4.0/18,ML3.5/4,Error
ellipse: s-maj=16.8km s-min=15.8km az=19.0
OMAN 09 17:05:14.8,3.6,27:97N:55:36E,h10km,ml4.2/9,Error
ellipse: s-maj=78.4km s-min=38.7km az=78.0
ISC 09 17:05:11.7,1.2,28:14N:0:03:65:95E:0.04,h23km,10km,
n126,:2s14/132,mb4.1/26,Southern Iran

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like GENO Geno, BNSD Bandar-Abbas, NIAN Nian, etc.

Table with columns: NAZ, Nazwa, Dubai, SNR, P, Pn, 17 06 00.7+0.9, 17 06 03.7+3.9, 17 06 04.1+3.6, 17 06 02.8+2.4, 17 06 38.0+8.8, 17 06 02.6+2.3, 17 06 03.2+2.8, 17 06 02.7+2.3, 17 06 04.4+2.6, 17 06 05.3+3.3, 17 06 44.1+3.6, 17 06 04.2+2.2, 17 06 05.1+2.1, 17 07 18.5, 17 06 05.4+2.2, 17 06 06.2+2.9, 17 06 06.0+2.8, 17 06 06.7+2.8, 17 06 06.8 -5.1, 17 06 06.7+2.8, 17 06 06.9+5.0, 17 06 06.4+2.5, 17 06 07.3+3.1, 17 06 08.1, 17 06 07.3+3.1, 17 06 06.9+2.6, 17 07 06.3, 17 06 08.0+2.8, 17 06 08.6+3.4, 17 06 08.7+3.4, 17 06 14.7+3.4, 17 06 14.7+3.4, 17 07 02.4, 17 06 15.5+3.0, 17 06 19.1+3.9, 17 06 31.3, 17 06 19.8+2.6, 17 06 19.8+2.6, 17 06 22.3+1.1, 17 06 25.4+2.7, 17 06 26.8+4.0, 17 06 25.2 -0.1, 17 06 25.7+0.4, 17 06 34.0+2.5, 17 06 32.1+0.7, 17 07 30.1 -3.3, 17 06 32.6+1.1, 17 06 34.8+2.7, 17 06 35.7+2.7, 17 06 36.8+1.9, 17 07 04.7, 17 06 41.0+2.5, 17 06 41.5+2.6, 17 06 43.6+2.5, 17 06 45.9+2.5, 17 06 46.6+1.9, 17 06 51.4+2.9, 17 07 31.1, 17 07 09.6+3.2, 17 07 11.1+2.5, 17 07 11.1+2.5, 17 07 13.7+3.7, 17 07 18.8+3.4, 17 07 20.0+1.3, 17 07 35.5+2.4, 17 07 32.7 -0.3, 17 07 38.1 -2.3, 17 09 28.8, 17 09 05.8 -1.8, 17 12 00.0 -15, 17 09 29.8+0.1, 17 09 30.5 -1.3, 17 09 29.7 -2.2, 17 09 33.9 -0.7, 17 09 54.1 -0.6, 17 09 52.9+0.7, 17 09 57.5+0.8, 17 10 03.0+1.1, 17 10 03.0+1.1, 17 10 03.0+1.1, 17 10 08.6+1.0, 17 10 52.2 -0.1, 17 10 52.5+0.2, 17 10 57.0 -0.4, 17 10 59.0 0.0, 17 10 59.1+0.1, 17 10 59.1+0.1, 17 10 59.2 0.0, 17 11 20.1 -0.7, 17 11 20.4 -0.4, 17 11 47.3 -0.3, 17 11 47.4 -0.3, 17 11 47.4 -0.3, 17 12 25.0 -0.6, 17 12 30.1 -1.0, 17 12 34.4+0.1, 17 12 34.3 -0.1, 17 12 34.4+0.1, 17 12 34.4+0.1, 17 12 42.9 -0.7, 17 12 47.8 -0.9, 17 13 13.6+0.3, 17 13 13.6+0.3, 17 13 18.7 -1.2, 17 13 17.8 -2.1, 17 13 17.8 -2.1, 17 13 25.1 0.0, 17 13 25.1 0.0

Table with columns: HHC, Hu-ho-hao-te, 46.84 59 P, P, 17 13 44.5 +4.5, 17 06 03.7+3.9, 17 06 04.1+3.6, 17 06 02.8+2.4, 17 06 38.0+8.8, 17 06 02.6+2.3, 17 06 03.2+2.8, 17 06 02.7+2.3, 17 06 04.4+2.6, 17 06 05.3+3.3, 17 06 44.1+3.6, 17 06 04.2+2.2, 17 06 05.1+2.1, 17 07 18.5, 17 06 05.4+2.2, 17 06 06.2+2.9, 17 06 06.0+2.8, 17 06 06.7+2.8, 17 06 06.8 -5.1, 17 06 06.7+2.8, 17 06 06.9+5.0, 17 06 06.4+2.5, 17 06 07.3+3.1, 17 06 08.1, 17 06 07.3+3.1, 17 06 06.9+2.6, 17 07 06.3, 17 06 08.0+2.8, 17 06 08.6+3.4, 17 06 08.7+3.4, 17 06 14.7+3.4, 17 06 14.7+3.4, 17 07 02.4, 17 06 15.5+3.0, 17 06 19.1+3.9, 17 06 31.3, 17 06 19.8+2.6, 17 06 19.8+2.6, 17 06 22.3+1.1, 17 06 25.4+2.7, 17 06 26.8+4.0, 17 06 25.2 -0.1, 17 06 25.7+0.4, 17 06 34.0+2.5, 17 06 32.1+0.7, 17 07 30.1 -3.3, 17 06 32.6+1.1, 17 06 34.8+2.7, 17 06 35.7+2.7, 17 06 36.8+1.9, 17 07 04.7, 17 06 41.0+2.5, 17 06 41.5+2.6, 17 06 43.6+2.5, 17 06 45.9+2.5, 17 06 46.6+1.9, 17 06 51.4+2.9, 17 07 31.1, 17 07 09.6+3.2, 17 07 11.1+2.5, 17 07 11.1+2.5, 17 07 13.7+3.7, 17 07 18.8+3.4, 17 07 20.0+1.3, 17 07 35.5+2.4, 17 07 32.7 -0.3, 17 07 38.1 -2.3, 17 09 28.8, 17 09 05.8 -1.8, 17 12 00.0 -15, 17 09 29.8+0.1, 17 09 30.5 -1.3, 17 09 29.7 -2.2, 17 09 33.9 -0.7, 17 09 54.1 -0.6, 17 09 52.9+0.7, 17 09 57.5+0.8, 17 10 03.0+1.1, 17 10 03.0+1.1, 17 10 03.0+1.1, 17 10 08.6+1.0, 17 10 52.2 -0.1, 17 10 52.5+0.2, 17 10 57.0 -0.4, 17 10 59.0 0.0, 17 10 59.1+0.1, 17 10 59.1+0.1, 17 10 59.2 0.0, 17 11 20.1 -0.7, 17 11 20.4 -0.4, 17 11 47.3 -0.3, 17 11 47.4 -0.3, 17 11 47.4 -0.3, 17 12 25.0 -0.6, 17 12 30.1 -1.0, 17 12 34.4+0.1, 17 12 34.3 -0.1, 17 12 34.4+0.1, 17 12 34.4+0.1, 17 12 42.9 -0.7, 17 12 47.8 -0.9, 17 13 13.6+0.3, 17 13 13.6+0.3, 17 13 18.7 -1.2, 17 13 17.8 -2.1, 17 13 17.8 -2.1, 17 13 25.1 0.0, 17 13 25.1 0.0

Table with columns: Azm349.0000°, N 0.7900, Plg31.0000°, Azm186.0000°, P -2.2900, Plg8.0000°, Azm92.0000°, NEIC Felt at Granitovo, BEO 09 17:12:01.4, 0.6, 42:29N:26:22E, h5km, ML3.4/10, THE 09 17:12:02.0, 42:16N:26:32E, h8km, 4km, ML3.9/9, Error ellipse: s-maj=6.4km s-min=0.9km az=47.0, ISC 09 17:12:00.6, 1.0, 42:19N:01:26:27E, 02.0, h8km, 6km, n208, c1826/236, 28C-20D, Bulgaria, Code Station Name Az AZ Phase ID Time Res, JMB Yambol 0.36 41 PG Pg 17 12 07.2 -0.4, JMB Yambol 0.36 41 SG Pg 17 12 12.2 -0.2, JMB Yambol 0.36 41 ePg Pg 17 12 07.2 -0.4, JMB Yambol 0.36 41 ePg Pg 17 12 12.5 +0.1, JMB Edirne 0.50 134 PG Pg 17 12 07.2 +0.2, JMB Edirne 0.50 134 PG Pg 17 12 17.4 +0.7, JMB Edirne 0.50 134 P Sg 17 12 10.2 0.0, JMB Edirne 0.50 134 S Pg 17 12 17.0 +0.3, DIM Dimitrovgrad 0.56 255 i/Pg Pg 17 12 11.5 +0.1, KIRK Kirkarelai 0.74 123 i/P Sg 17 12 12.9 +2.0, ELND Elena 0.79 339 i/P Pg 17 12 14.4 -1.3, ELND Elena 0.79 339 S Pg 17 12 26.3 +0.3, KDZ Kurdzhali 0.83 230 PG Pg 17 12 19.3 +0.7, KDZ Kurdzhali 0.83 230 PG Pg 17 12 17.7 +0.4, PHSR Pinarhisar 1.09 121 PG Pg 17 12 10.8 -0.8, PHSR Pinarhisar 1.09 121 i/P Pg 17 12 20.9 -0.7, PHSR Pinarhisar 1.09 121 S Pg 17 12 35.5 -0.3, PLD Plovdiv 1.17 266 ePg Pg 17 12 15.5 -1.4, PLD Plovdiv 1.17 266 i/P Pg 17 12 21.5 -1.4, RDO Rodopi 1.18 208 PN Pp 17 12 23.5 +0.4, RDO Rodopi 1.18 208 S Sb 17 12 39.6 +1.0, PVL Pavlikeni 1.23 326 P Pg 17 12 25.0 +1.0, RZN Rozhen 1.25 247 P Pg 17 12 45.0 -0.3, ALN Alexandroupoli 1.31 187 PN Pp 17 12 25.6 +0.6, ALN Alexandroupoli 1.31 187 ePn Pn 17 12 25.3 +0.3, ALN Alexandroupoli 1.31 187 P Pg 17 12 43.2 +0.6, ALN 2jkm,0.4s 1.38 7 i/P Pg 17 12 26.9 +0.3, RAZG Razgrad 1.38 7 S Sg 17 12 45.8 +1.2, KESN Kesane-Kesan 1.40 167 i/P Pg 17 12 26.8 +0.1, KESN Kesane-Kesan 1.40 167 i/S Pg 17 12 46.5 +1.0, ZIMR Zvezdets 1.46 183 PN Pp 17 12 28.3 +0.8, ZIMR Zvezdets 1.46 183 i/P Pg 17 12 41.3 -0.0, ZIMR Zvezdets 1.46 183 S Pg 17 12 51.4 +2.0, RKY Sarkoy-Tekirda 1.65 155 PN Pp 17 12 30.6 +0.7, SART Tekirdag 1.65 155 i/S Pg 17 12 32.0 -0.2, SART Tekirdag 1.65 155 i/S Pg 17 12 54.9 +1.1, CTYL Yalilik Yolu 1.68 115 PN Pn 17 12 30.8 +0.7, CTYL Yalilik Yolu 1.68 115 i/P Pg 17 12 31.6 0.0, CTYL Yalilik Yolu 1.68 115 S Sb 17 12 53.0 +0.2, PLVB Plevna 1.70 115 i/P Pg 17 12 32.2 +0.2, PLVB Plevna 1.70 115 S Sb 17 12 35.3 +0.3, KAVA Kavala 1.78 228 P Pg 17 12 32.4 +0.9, KAVA Kavala 1.78 228 S Sb 17 12 56.0 +0.3, GELI Tayfur-Gelibol 1.80 175 PN Pn 17 12 32.4 +0.6, SMTH Samothraki Isl 1.81 198 P Pg 17 12 33.3 +1.3, SMTH Samothraki Isl 1.81 198 S Sb 17 12 56.9 +0.2, LPK Lapseki 1.86 168 PN Pn 17 12 33.6 +1.0, MRMT Marmara Adasi 1.86 147 PN Pn 17 12 33.6 +0.6, ELBA Catalca 1.93 122 i/P Pg 17 12 34.3 +0.6, CTKS Kestanelik-??a 1.93 119 PN Pn 17 12 34.5 +0.9, THAS Thassos Island 1.97 217 P Sg 17 12 35.5 +1.4, THAS Thassos Island 1.97 217 S Sb 17 13 01.8 +0.6, NVR Nevrokopi 1.99 246 P Sg 17 12 34.8 +0.4, NVR Nevrokopi 1.99 246 S Sn 17 13 01.2 +1.7, MMB Marmara Adasi 1.99 253 PN Pn 17 12 35.0 +0.5, SGRR Singureni 2.04 354 i/P Pg 17 12 37.9 +0.1, SGRR Singureni 2.04 354 S Pg 17 13 05.9 -0.2, COPA Copaceanca 2.00 339 i/P Pg 17 12 37.8 -0.8, COPA Copaceanca 2.00 339 S Sb 17 13 05.4 +0.8, RASA Rasa 2.12 17 i/S Pg 17 12 37.8 -0.8, RASA Rasa 2.12 17 S Sb 17 13 08.5 -0.2, BGKT Bogazkoy 2.13 117 PN Pn 17 12 37.2 +0.8, MRPEP Malo Peshtene 2.19 303 P Pg 17 12 37.9 +0.7, EDC Edinick 2.20 146 PN Pn 17 12 38.5 +1.1, ICOR Ion Corvin 2.23 30 i/P Pg 17 12 41.1 +0.1, ICOR Ion Corvin 2.23 30 S Sb 17 13 10.4 +1.5, INCR INCERC-Sedui C 2.25 358 S Sg 17 13 11.5 -1.2, VLAD Vladia 2.26 324 i/P Pg 17 12 39.1 +0.9, VLAD Vladia 2.26 324 S Sb 17 13 10.0 +0.3, SRS Serrai 2.27 243 P Pg 17 12 38.6 +0.2, SRS Serrai 2.27 243 S Sb 17 13 09.1 -1.0, KLYT Kilyos 2.28 113 PN Pn 17 12 39.1 +0.7, KLYT Kilyos 2.28 113 i/P Pg 17 12 40.2 +1.8, KLYT Kilyos 2.28 113 S Sn 17 13 08.4 +1.7, VTS Vitosha 2.28 282 ePn Pn 17 13 09.1 +0.5, VTS Vitosha 2.28 282 ePn Pn 17 13 06.4 +1.0, VTS Vitosha 2.28 282 S Sn 17 13 07.3 +0.3, VTS Vitosha 2.28 282 i/P Pg 17 12 39.6 +1.0, VTS Vitosha 2.28 282 S Sn 17 13 07.6 +0.6, LEHL Lehlui 2.31 10 i/P Pg 17 12 42.0 -0.5, LEHL Lehlui 2.31 10 S Sb 17 13 13.0 +1.3, TSMN Mangalia Port 2.34 46 P Pg 17 13 13.2 +1.1, MANR Mangalia 2.35 46 i/P Pg 17 12 42.4 -0.7, MANR Mangalia 2.35 46 S Sb 17 13 13.1 -0.8, BOZC Bozcaada 2.36 184 PN Pn 17 12 41.2 +1.7, BOZC Bozcaada 2.36 184 i/P Pg 17 12 42.3 -0.9, LEHL Lehlui 2.37 179 PN Pn 17 12 41.5 +1.9, EZN Ezine 2.37 179 P Pg 17 12 40.4 +0.8, EZN Ezine 2.37 179 i/P Pg 17 12 38.7 -0.9, EZN Ezine 2.37 179 S Sn 17 13 07.8 -1.0, ISK Istanbul-Kandi 2.38 117 PN Pn 17 12 40.8 +0.8, ISK Istanbul-Kandi 2.38 117 P Pg 17 12 39.8 0.0, RAVV Kavali Island 2.38 117 PN Pn 17 12 40.8 +0.8, GONE Gonen-Balikesi 2.40 153 PN Pn 17 12 41.2 +1.1, LIA Limnos Island 2.44 200 P Pg 17 12 41.5 +0.9, LIA Limnos Island 2.44 200 S Sn 17 13 11.3 +0.8, BAYC CAIAKALE_Bayr 2.46 175 i/P Pg 17 12 41.6 +0.6, BAYC CAIAKALE_Bayr 2.46 175 i/P Pg 17 12 41.6 +0.6, SULR Sula 2.48 360 i/P Pg 17 12 42.1 +0.9, KCTX Karacabey (Bur 2.48 360 S Pg 17 13 18.7 -1.6, CVDA Cernavoda 2.50 31 i/P Pg 17 12 47.6 -0.8, CVDA Cernavoda 2.50 31 S Sb 17 13 16.8 +0.3, HUMR Humele 2.51 339 i/P Pg 17 12 46.0 +0.1, HUMR Humele 2.51 339 S Pg 17 13 20.5 -0.8, BUY Buyukada 2.53 121 PN Pn 17 12 42.9 +1.1, BUY Buyukada 2.53 121 i/P Pg 17 12 43.0 +0.2, BUY Buyukada 2.53 121 S Pg 17 13 22.2 +0.5, OUR Ouranopolis 2.53 224 PN Pn 17 12 44.3 +2.4, OUR Ouranopolis 2.53 224 S Sn 17 13 14.5 +1.6, OUR Ouranopolis 2.53 224 S Sn 17 13 14.5 +1.6, MFRF Murfatlar 2.53 38 i/P Pg 17 12 43.0 +1.1, MFRF Murfatlar 2.53 38 S Sb 17 13 18.0 +0.5, AMRR Amara 2.54 18 S Sb 17 13 18.0 +0.4, ARMT Armutlu 2.54 129 PN Pn 17 12 43.2 +0.1, EFOR EFORIE 2.56 42 i/P Pg 17 12 43.0 +0.7, EFOR EFORIE 2.56 42 S Sb 17 13 19.5 +1.2, TSCT Constanta Port 2.63 41 P Pg 17 12 43.5 +1.6, BALLY Balya 2.66 157 i/S Pg 17 13 25.9 -0.6, BALLY Balya 2.66 157 S Pg 17 13 25.9 -0.6, TLT Topalu 2.72 28 i/P Pg 17 12 45.6 +1.1, TLT Topalu 2.72 28 S Sb 17 13 21.8 -1.0, SILT Sila 2.74 111 PN Pn 17 12 45.8 +1.1, SILT Sila 2.74 111 i/P Pg 17 12 45.7 +1.1, SILT Sila 2.74 111 S Sb 17 13 21.6 -1.7, TIRG Tirgusor 2.75 34 ePn Pn 17 12 45.5 +0.2

HFS	Hagfors	91.22 330 P	P	17 27 23.7 -1.2
WATA	Wattenberg	91.58 317 ePcP	PcP	17 27 27.6 -0.4
WTTA	Walderalm	91.62 317 eP	P	17 27 32.1 +4.9
SQTA	Sankt Quirin	91.67 317 pP	P	17 27 30.3 +2.0
MOTA	Moosalm	91.94 317 eP	P	17 27 27.8 -1.0
RETA	Reutte	92.18 317 ePcP	PcP	17 27 30.0 -0.5
FETA	Feichtern	92.19 317 P	P	17 27 28.2 -1.7
NB2	NORSAR Subarra	92.50 331 P	P	17 27 31.0 +0.2
NOA	NORSAR	92.50 331 P	P	17 27 30.7 -0.1
DAVA	Damulds	92.77 317 eP	P	17 27 29.3 -3.3
YKA	Yellowknife Ar	115.54 17 PKP	PKPKP	17 33 00.3 -1.3
BOYA	Bryant	122.35 32 P	PKPKP	17 33 15.3 0.0
IO4A	Tendick Farm,	124.78 37 P	PKPcP	17 33 19.5 -0.6
NEW	Newport	124.91 30 PKP	PKPcP	17 33 19.5 -0.6
NEW	Newport	124.91 30 P	PKPKP	17 33 20.5 0.0
L04D	Klamath Falls	125.73 38 P	PKPcP	17 33 22.0 0.0
J05D	Fort Rock, OR	125.78 37 P	PKPKP	17 33 22.2 -0.2
M02C	Callahan	125.83 39 P	PKIKP	17 33 23.1 +0.5
N02D	Trinity Center	126.15 40 P	PKIKP	17 33 23.0 -0.2
M02C	Macdoel	126.26 39 P	PKIKP	17 33 23.4 -0.1
004D	Mt. Diablo Mer	126.52 41 P	PKIKP	17 33 24.2 +0.3
003E	Paynes Creek	127.10 40 P	PKIKP	17 33 25.0 -0.1
MSO	Missoula	127.47 29 P	PKIKP	17 33 25.5 -0.2
EGMT	Eagleton	128.50 26 P	PKIKP	17 33 27.8 +0.1
BOZ	Botzman (W)	129.47 29 P	PKIKP	17 33 29.7 -0.1
NOV1	Mina Array Sit	130.39 40 ePKPcP	PKPcP	17 33 29.6 -1.6
NVAR	Mina Array Bea	130.39 40 PKP	PKPcP	17 33 29.6 -1.6
NVAR	NVAR	130.39 40 PKP	PKPcP	17 33 29.6 -1.6
ULM	Lac du Bonnet	131.28 14 PKP	PKPcP	17 33 32.2 +0.0
R1A	Troy Canyon, C	132.55 39 ePKPcP	PKPKP	17 33 36.3 +0.8
PD1R	Pinedale Array	132.55 30 PKP	PKPcP	17 33 34.3 -0.8
RS5D	Black Hills	134.28 24 P	PKIKP	17 33 38.6 -0.5
EYMM	Gly	134.41 11 P	PKIKP	17 33 39.1 -0.4
C40A	Isle Royale Na	134.85 9 P	PKIKP	17 33 40.0 -0.4
IKP	In-Ko-Pah, Jac	135.09 45 P	PKIKP	17 33 41.3 -0.2
020A	White River Ci	135.16 31 P	PKIKP	17 33 41.1 -0.4
PDMC1	Parker Dam, Lak	135.51 42 P	PKIKP	17 33 41.6 -0.5
D54A	Lac Fusel, La	136.29 357 P	PKIKP	17 33 43.1 -0.2
D43A	Paudash Townsh	136.30 2 P	PKIKP	17 33 42.8 -0.6
058A	Lac Vachiv, Po	136.41 358 P	PKIKP	17 33 43.2 -0.3
D46A	Sault St. Mari	136.46 4 P	PKIKP	17 33 43.7 0.0
F39A	Loretta	136.47 11 P	PKIKP	17 33 43.9 +0.1
D52A	ZEK Kipawa Sen	136.53 359 P	PKIKP	17 33 43.1 -0.7
F40A	Park Falls	136.62 11 P	PKIKP	17 33 43.8 -0.2
E46A	Sault Ste Mari	136.96 5 P	PKIKP	17 33 44.2 -0.5
E48A	Lockeyer	136.98 3 P	PKPcP	17 33 43.7 +0.8
E51A	G1948 Merrick	136.98 360 P	PKPcP	17 33 43.7 +0.8
G39A	Holcombe	137.02 12 P	PKIKP	17 33 45.1 +0.3
ECSD	EROS Data Cent	137.06 18 P	PKIKP	17 33 45.1 +0.1
E52A	Mattawa	137.22 359 P	PKIKP	17 33 45.1 -0.2
G40A	Rib Lake	137.23 11 P	PKIKP	17 33 45.2 -0.1
ALGO	Algonquin Park	137.54 358 P	PKIKP	17 33 45.8 -0.1
PEMO	Pembroke	137.79 358 P	PKIKP	17 33 46.4 -0.1
BANO	Bancroft	138.47 358 P	PKIKP	17 33 47.6 -0.3
H56A	Elgin	138.82 356 P	PKIKP	17 33 48.2 -0.3
BASO	Ashfield	139.46 2 P	PKIKP	17 33 49.7 -0.2
I51A	Listowel	139.69 2 P	PKIKP	17 33 50.0 -0.4
TASAM	ASL Pad, Albuq	139.89 35 P	PKIKP	17 33 50.6 -0.8
TASAM	ASL Pad, Albuq	139.89 35 P	PKIKP	17 33 50.7 -0.7
ANMO	Albuquerque	139.89 35 P	PKIKP	17 33 50.6 -0.8
MNTX	Cornudas Mount	142.82 38 ePKPcP	PKPcP	17 33 52.0 -2.0
CPUP	Villa Florida	143.48 215 PKP	PKPcP	17 33 53.2 +0.8
CCM	Cathedral Cave	143.85 16 ePKPcP	PKPcP	17 33 52.2 -0.4
CCM	Cathedral Cave	143.85 16 ePKIKP	PKPcP	17 33 52.2 -0.4
CCM	Cathedral Cave	143.85 16 P	PKPcP	17 33 53.0 -0.3
P54A	Burton	143.90 1 P	PKPbc	17 33 53.0 -0.4
P53A	Whipple	143.99 2 ePKPcP	PKPbc	17 33 53.0 -0.1
P53A	Whipple	143.99 2 P	PKPbc	17 33 53.2 +0.1
P55A	Reedsville	144.00 0 P	PKPab	17 33 53.3 +0.1
WMOK	Wichita Mounta	144.05 27 P	PKPab	17 33 53.3 -0.2
Q48A	North Vernon	144.15 8 P	PKPab	17 33 53.6 -0.1
Q49A	Aurora	144.18 7 P	PKPab	17 33 53.7 -0.1
TUL1	Leonard	144.31 23 ePKPcP	PKPbc	17 33 54.6 -0.1
TUL1	Leonard	144.31 23 P	PKPab	17 33 54.2 -0.2
Q51A	Peebles	144.32 5 ePKPcP	PKPab	17 33 54.1 -0.3
Q51A	Peebles	144.32 5 P	PKPab	17 33 54.1 -0.3
R45A	Skyilar, Fairfi	144.33 12 P	PKPab	17 33 54.2 -0.2
Q50A	Georgetown	144.45 6 P	PKPab	17 33 54.5 -0.3
Q57A	Strasburg	144.46 358 P	PKPbc	17 33 55.0 -0.1
Q52A	Bidwell	144.47 4 P	PKPab	17 33 54.6 -0.3
Q56A	Snyder Ridge,	144.47 359 P	PKPbc	17 33 55.4 +0.2
Q54A	Coxs Mills	144.51 2 ePKPcP	PKPab	17 33 54.7 -0.3
Q54A	Coxs Mills	144.51 2 P	PKPab	17 33 55.0 -0.1
Q55A	Buckhannon	144.51 1 P	PKPbc	17 33 55.3 -0.1
Q58A	Fox Den Farm,	144.53 357 P	PKPbc	17 33 55.3 -0.1
R46A	Gibon Southern	144.56 11 P	PKPab	17 33 55.1 -0.2
Q53A	Leroy	144.61 3 P	PKPab	17 33 55.4 0.0
R47A	Wooly Knot Far	144.65 9 P	PKPab	17 33 55.6 0.0

R48A	Northridge Ran	144.65 9 P	PKPbc	17 33 55.8 +0.1
HHAR	Hobbs	144.66 20 ePKPcP	PKPab	17 33 55.1 -0.6
S44A	Carbondale	144.69 13 P	PKPab	17 33 55.6 -0.1
WCI	Wyandotte Cave	144.75 9 ePKPcP	PKPab	17 33 55.8 -0.1
WCI	Wyandotte Cave	144.75 9 ePKIKP	PKPab	17 33 55.8 -0.1
R49A	Shelbyville	144.85 8 ePKPcP	PKPab	17 33 56.1 -0.2
R49A	Shelbyville	144.85 8 P	PKPab	17 33 55.9 -0.4
U04A	Yellville	144.96 19 P	PKPab	17 33 56.5 -0.3
R50A	Paris	144.96 6 ePKPbc	PKPab	17 33 56.2 -0.5
R50A	Paris	144.96 6 P	PKPab	17 33 56.3 -0.5
R51A	Hillsboro	145.02 5 P	PKPbc	17 33 56.5 -0.5
S46A	Don Dixon Farm	145.03 11 P	PKPbc	17 33 56.5 -0.4
R52A	Catlettsburg	145.06 4 P	PKPbc	17 33 56.8 -0.3
R56A	Bull Pasture III	145.10 360 P	PKPab	17 33 57.3 -0.1
R53A	Hurricane	145.12 3 ePKPbc	PKPbc	17 33 57.0 -0.2
R53A	Hurricane	145.12 3 P	PKPab	17 33 57.3 0.0
R58A	Rapid	145.18 358 P	PKPab	17 33 57.5 0.0
R57A	Stanardsville	145.20 358 P	PKPcP	17 33 57.9 -0.1
R55A	Marlinton	145.23 1 ePKPbc	PKPbc	17 33 57.4 -0.3
R55A	Marlinton	145.23 1 P	PKPbc	17 33 57.5 -0.2
R59A	King George, V	145.24 357 P	PKPab	17 33 57.6 -0.1
CBN	Corbin Frederi	145.25 357 P	PKPbc	17 33 57.5 -0.1
S47A	Hartford	145.27 10 P	PKPbc	17 33 57.2 -0.5
PM0	Popular Bluff	145.27 15 ePKPbc	PKPbc	17 33 57.2 -0.6
R54A	Victor	145.31 2 P	PKPbc	17 33 57.4 -0.5
S49A	Springfield	145.33 8 P	PKPbc	17 33 57.5 -0.5
S48A	Wiedeman Farm,	145.35 9 P	PKPbc	17 33 57.9 -0.1
ABTX	Abilene, Hawle	145.35 31 ePKPbc	PKPcP	17 33 58.4 -0.1
ABTX	Abilene, Hawle	145.35 31 P	PKPbc	17 33 57.8 -0.4
R58B	Mineral	145.51 358 ePKPcP	PKPbc	17 33 58.5 0.0
R58B	Mineral	145.51 358 P	PKPbc	17 33 58.5 0.0
TX31	Lajitas Ar. Si	145.52 39 ePKPcP	PKPab	17 33 59.8 +0.6
TXAR	Lajitas Array	145.52 39 ePKPbc	PKPab	17 33 59.4 +0.2
S50A	Richmond	145.55 7 P	PKPcP	17 33 58.1 -0.5
FCAR	Ozark Folk Cen	145.62 18 ePKPcP	PKPcP	17 33 58.3 -0.4
T46A	Princeton	145.62 12 P	PKPab	17 33 58.9 -0.2
X37A	Clayton	145.64 23 ePKPcP	PKPab	17 33 59.3 0.0
S61A	Accomac	145.64 354 P	PKPcP	17 33 58.0 -0.7
S54A	Collings, Beckl	145.68 2 P	PKPcP	17 33 58.6 -0.2
S51A	Beattyville	145.68 6 ePKPcP	PKPcP	17 33 58.7 -0.1
S51A	Beattyville	145.68 6 P	PKPbc	17 33 58.9 -0.2
S59A	Wiederichville	145.68 357 P	PKPbc	17 33 59.1 +0.1
S52A	Salyersville	145.68 5 P	PKPcP	17 33 58.9 0.0
W39A	Magazine	145.69 21 ePKPcP	PKPcP	17 33 58.9 0.0
W39A	Magazine	145.69 21 P	PKPbc	17 33 59.2 0.0
S55A	Lewisburg	145.73 1 P	PKPcP	17 33 59.0 0.0
S57A	Dark Hollow, R	145.74 359 ePKPcP	PKPbc	17 33 59.1 -0.1
S57A	Dark Hollow, R	145.74 359 P	PKPab	17 33 59.4 -0.2
S53A	Williamson	145.75 4 P	PKPbc	17 33 59.1 -0.2
HP1G	Sharon Grove	145.78 44 ePKPcP	PKPbc	17 33 60.0 0.0
T47A	Sharon Grove	145.82 11 ePKPcP	PKPcP	17 33 58.8 -0.2
T47A	Sharon Grove	145.82 11 P	PKPbc	17 33 59.3 -0.2
T48A	Bowling Green	145.83 10 P	PKPbc	17 33 59.5 0.0
S56A	Natural Bridge	145.83 360 P	PKPbc	17 33 59.6 +0.1
S58A	Poland Farm, P	145.87 358 ePKPcP	PKPbc	17 33 59.4 -0.3
S58A	Poland Farm, P	145.87 358 P	PKPbc	17 33 59.6 0.0
T49A	Edmonton	145.97 8 ePKPcP	PKPcP	17 33 59.0 -0.4
T49A	Edmonton	145.97 8 P	PKPcP	17 33 59.6 +0.2
WHAR	Wagon Hollow	146.11 19 ePKPcP	PKPcP	17 33 59.7 +0.1
T50A	Nancy	146.15 8 P	PKPcP	17 33 59.6 0.0
W41B	Gary Mavity, V	146.23 19 ePKPcP	PKPbc	17 34 00.3 -0.5
W41B	Gary Mavity, V	146.23 19 P	PKPcP	17 34 00.2 +0.4
T52A	Hallie	146.26 5 ePKPcP	PKPbc	17 34 00.6 -0.4
T52A	Hallie	146.26 5 P	PKPbc	17 34 00.8 -0.1
BLA	Blacksburg	146.29 1 ePKPcP	PKPbc	17 34 00.6 -0.4
BLA	Blacksburg	146.29 1 ePKP2	PKPbc	17 34 00.6 -0.4
BLA	Blacksburg	146.29 1 P	PKPbc	17 34 00.6 -0.4
T51A	Gray	146.31 6 P	PKPbc	17 34 00.8 -0.2
U47A	Clarksville	146.31 11 P	PKPbc	17 34 01.0 0.0
MIAR	Mount Ida	146.35 21 ePKPcP	PKPbc	17 34 01.0 -0.2
MIAR	Mount Ida	146.35 21 ePKP2	PKPbc	17 34 01.4 +0.2
MIAR	Mount Ida	146.35 21 P	PKPbc	17 34 01.4 +0.2
T55A	Pulaski	146.38 2 P	PKPbc	17 34 01.0 -0.3
U48A	Cassie Pea, Po	146.39 10 P	PKPbc	17 34 01.1 -0.2
T54A	Tazewell	146.40 3 P	PKPbc	17 34 01.2 -0.2
T53A	Wise	146.42 4 P	PKPbc	17 34 01.4 -0.1
T56A	Rocky Mt	146.48 1 P	PKPbc	17 34 01.4 -0.1
T59A	Double "B" Far	146.48 357 ePKPcP	PKPbc	17 34 00.9 -0.6
T59A	Double "B" Far	146.48 357 P	PKPbc	17 34 01.7 +0.1
WVT	Waverly	146.51 12 ePKPcP	PKPbc	17 34 01.1 -0.5
WVT	Waverly	146.51 12 ePKP2	PKPbc	17 34 01.1 -0.5
WVT	Waverly	146.51 12 P	PKPbc	17 34 01.6 -0.1
T57A	Hurt	146.51 359 ePKPcP	PKPbc	17 34 01.2 -0.4
T57A	Hurt	146.51 359 P	PKPbc	17 34 01.5 -0.1
U49A	Red Boiling Sp	146.51 9 P	PKPbc	17 34 01.1 -0.5
T58A	Great View Arc	146.55 358 P	PKPbc	17 34 02.0 +0.2
UALR	University of	146.57 19 ePKPcP	PKPbc	17 34 01.1 -0.8
X40A	Basin Creek Fa	146.67 20 ePKPcP	PKPbc	17 34 01.4 -0.8
X40A	Basin Creek Fa	146.67 20 P	PKPbc	17 34 02.2 0.0
U50A	Jamestown	146.70 8 P	PKPbc	17 34 02.1 -0.2
V46A	Holladay	146.76 13 P	PKPbc	17 34 02.2 -0.2
TZTN	Tazewell	146.77 6 ePKPcP	PKPbc	17 34 01.9 -0.4
TZTN	Tazewell	146.77 6 P	PKPbc	17 34 02.2 -0.2
CLTN	Cedars of Leba	146.83 10 ePKPcP	PKPbc	17 34 01.8 -0.8
V47A	Lunenburg	146.86 12 P	PKPbc	17 34 02.4 -0.3
U51A	La Follette	146.88 7 P	PKPbc	17 34 02.1 -0.7
U54A	Nelsons Funny	146.93 3 ePKPcP	PKPbc	17 34 02.4 -0.6
U54A	Nelsons Funny	146.93 3 P	PKPbc	17 34 02.4 -0.6
U52A	Thorn Hill	146.93 6 P	PKPbc	17 34 02.6 -0.3
JCT	Junction City	146.95 33 ePKPcP	PKPcP	17 34 02.1 +0.8
JCT	Junction City	146.95 33 ePKP2	PKPcP	17 34 02.1 +0.8

JCT	Junction City	146.95 33 P	PKPbc	17 34 02.4 -0.7
U60A	Pendleton	146.96 356 P	PKPbc	17 34 03.0 +0.1

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ASAR, AS31 Alice Springs, XAN, LZH, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like TLY Talaya, TLY TLY, USA0B Ussuriysk Arra, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like R51A Hillsboro, S46A Don Dixon Farm, R52A Gatlettsburg, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h m s, ISC. Includes stations like W52A Murphy, W53A Cullowhee, X48A Hartselle, etc.

IDC 09 17:33:02.5:1.3, 3.50S:100.20E, h0km, mb4.0/11, mb1 4.1/11, mb1mx3.7/62, mbtmp4.0/11, Error ellipse: s-maj=46.1km s-min=18.0km az=52.0

NEIC 09 17:33:03.8:1.8, 3.51S:100.155E, h0km, mb4.1/7, Error ellipse: s-maj=17.3km s-min=9.7km az=45.0

ISCJB 09 17:33:05.8:0.6, 3.42S:100.24E, h0km, h33km, mb4.1/17, Error ellipse: s-maj=11.1km s-min=5.6km az=44.3

DJA 09 17:33:07.3:0.8, 3.5S:101.0E, h33km, M4.1/12, ML4.4/12

ISC 09 17:33:08.3:0.8, 3.38S:100.90E, h35km, n47, o9694/11, mb4.1/17, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h m s, ISC. Includes stations like PPSI Pulau Pagai, KRJI Kerinci, SISI Saibi, etc.

1.2nm, 0.5s, baz=325, slow=1.5, SNR=6.7

IDC 09 17:41:17.9:0.9, 26.72N:143.83E, h0km, mb3.8/9, mb1 4.0/11, mb1mx3.8/38, mbtmp3.8/11, ML2.6/2, Error ellipse: s-maj=26.6km s-min=19.6km az=75.0

JMA 09 17:41:20.0:0.2, 27.13N:143.93E, h90km, M3.8, ISC 09 17:41:23.4:1.0, 27.12N:143.93E, h133km, n17, o278/19, mb3.8/9, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h m s, ISC. Includes stations like CBIJ Chichi jima, JHHJ Haha-jima-NKT2, etc.

IDC 09 17:46:07.9:1.9, 177N:126.41E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/35, mbtmp3.7/4, Error ellipse: s-maj=209.2km s-min=20.4km az=66.0, Northern Molucca Sea

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

IDC 09 18:01:17.9:18.0, 26.48S:177.76W, h243km, 159km, mb3.4/4, mb1 3.6/4, mb1mx3.2/8, mbtmp4.0/4, Error ellipse: s-maj=72.9km s-min=25.1km az=60.0

ISC 09 18:01:06.9:1.0, 26.3S:102.1775W, h150km, n14, o1508/14, mb3.8/4, South of Fiji Islands

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

IDC 09 18:03:04.6:0.3, 29.61S:111.94W, h0km, mb4.7/22, mb1 4.8/23, mb1mx4.8/27, mbtmp4.7/23, ML4.1/1, Error ellipse: s-maj=15.3km s-min=13.0km az=129.0

MOS 09 18:03:04.8:0.9, 29.52S:111.73W, h10km, mb5.3/56, Error ellipse: s-maj=11.8km s-min=6.2km az=84.1

NEIC 09 18:03:05.9:1.3, 29.67S:111.76W, h114km, mb5.3/435, Error ellipse: s-maj=12.9km s-min=5.6km az=132.0

ISCJB 09 18:03:09.3:1.5, 29.62S:111.71W, 0.04, h47km, 13km, mb5.2/420, Error ellipse: s-maj=5.2km s-min=4.6km az=159.3

GCMT 09 18:03:12.9:0.3, 29.63S:101.11, 85W:0.02, h18km, 1km, MW5.2/83, Moment Tensor Solution. s41,c45; s83,c120; Duration: 0 Moment tensor: Scale 10^16Nm; Mr,3.97E+30; Mw,6.39E+21; Mw,2.42E+20; Mw,4.36E+50; Mw,0.94E+12; Mw,-1.88E+55; Best double couple: Mw,7.17500E+16

NP1, 3e24, 0000, 068, 00000, 0, 71, 00000. NP2: 0, 1, 0, 0000, 029, 0000, 0, 129, 0000. Principal axes: T 6.1460, P162.0000, Azm127.0000; N 2.0580, P16.0000, Azm54.0000; P -8.2040, P1621.0000, Azm351.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 18:03:06.3:0.5, 29.67S:111.76W, h0.06, h13km, 2km, h13km; PP-P, n1204, o079/1224, mb5.2/419, 10C-8D, Easter Island region

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time Res, h m s, ISC. Includes stations like LCO Las Campanas, GO09 Cerro Castillo, GO03 Copiap, etc.

155A	Kite	67.89	26	P	P	18 14 04.0	-0.5
257A	Skidaway Island	67.89	28	eP	P	18 14 05.3	+0.8
PV22	Blue Mesa, Par	67.90	3	eP	P	18 14 03.9	-0.8
X48A	Hartselle	67.91	22	eP	P	18 14 04.7	+0.1
X48A	Hartselle	67.91	22	P	P	18 14 04.1	-0.5
PV21	Cone Mtn., Par	67.92	2	eP	P	18 14 04.7	-0.2
TCRU	Three Cakes	67.92	359	eP	P	18 14 04.0	-0.9
NV11	Mina Array Sit	68.01	355	eP	P	18 14 05.6	+0.3
NVAR	Mina Array Bea	68.02	354	P	P	18 14 06.7	+1.2
U40A	Yellville	68.03	16	P	P	18 14 05.0	-0.3
Z53A	Monticello	68.06	25	P	P	18 14 05.1	-0.5
PLAL	Pickwick Lake	68.07	21	eP	P	18 14 05.2	-0.4
Y51A	Rockmart	68.07	24	P	P	18 14 05.2	-0.5
W46A	Michie	68.12	21	P	P	18 14 05.9	0.0
WAKR	Walker	68.19	354	eP	P	18 14 07.4	+0.8
X49A	Woodville	68.20	22	P	P	18 14 06.0	-0.4
GOGA	Godfrey	68.21	25	eP	P	18 14 06.3	-0.2
GOGA	Godfrey	68.21	25	eP	P	18 14 06.3	-0.2
GOGA	Godfrey	68.21	25	P	P	18 14 06.0	-0.5
Q16A	Castle Valley	68.23	0	eP	P	18 14 07.1	+0.3
RYN	Ryan	68.23	354	eP	P	18 14 06.4	-0.4
Z54A	Sparta	68.29	26	P	P	18 14 06.5	-0.5
156A	Sylvania	68.30	27	P	P	18 14 07.2	+0.2
X50B	Fort Payne	68.38	23	P	P	18 14 07.0	-0.6
Y52A	Libburn	68.40	25	eP	P	18 14 07.2	-0.5
Y52A	Libburn	68.40	25	P	P	18 14 07.4	-0.2
GNAR	Gonsell	68.41	19	eP	P	18 14 07.7	0.0
SRU	San Rafael Swe	68.43	1	eP	P	18 14 08.1	+0.1
SRU	San Rafael Swe	68.43	1	eP	P	18 14 08.1	+0.1
W47A	Westpoint	68.47	21	P	P	18 14 07.2	-0.8
157A	Early Branch	68.52	28	P	P	18 14 07.7	-0.7
Q24A	Divide	68.55	6	eP	P	18 14 08.5	-0.4
Q24A	Divide	68.55	6	P	P	18 14 08.8	-0.1
HALT	Halls	68.55	19	eP	P	18 14 09.3	+0.7
Y53A	Monroe	68.57	25	P	P	18 14 08.3	-0.5
W48A	Pulaski	68.58	22	P	P	18 14 08.7	-0.1
TMUT	Trail Mountain	68.61	0	eP	P	18 14 09.2	-0.1
KVN	Kaiserville	68.62	355	eP	P	18 14 09.0	-0.2
KVN	Kaiserville	68.62	355	eP	P	18 14 09.0	-0.2
SMCO	Snowmass	68.63	4	eP	P	18 14 09.3	-0.2
YERR	Yerington	68.65	354	eP	P	18 14 09.3	-0.1
X51A	Calhoun	68.75	24	eP	P	18 14 09.7	-0.2
X51A	Calhoun	68.75	24	P	P	18 14 09.4	-0.4
W49A	Belvidere	68.78	22	P	P	18 14 09.7	-0.3
P17A	Butcher Ranch,	68.79	1	eP	P	18 14 10.4	+0.2
PNTR	Pine Nut	68.79	353	eP	P	18 14 09.4	-0.8
AFDM	Forest Hills D	68.80	352	eP	P	18 14 10.3	+0.2
V46A	Holladay	68.81	20	P	P	18 14 09.2	-1.0
KSC0	Kaye Shedlock'	68.85	8	eP	P	18 14 10.8	+0.3
KSC0	Kaye Shedlock'	68.85	8	P	P	18 14 10.6	0.0
158A	Hollywood	68.90	28	P	P	18 14 10.8	0.0
GLAT	Glass	68.90	19	eP	P	18 14 11.2	+0.5
Y54A	Tignall	68.91	26	P	P	18 14 10.7	-0.1
SWET	Sewanee	68.97	22	eP	P	18 14 10.2	-1.1
VNCNR	Virginia City	69.00	353	eP	P	18 14 12.4	+0.8
V47A	Nunnely	69.02	21	P	P	18 14 10.7	-0.8
CBKS	Cedar Bluff	69.04	10	eP	P	18 14 11.9	+0.2
CBKS	Cedar Bluff	69.04	10	eP	P	18 14 11.9	+0.2
CBKS	Cedar Bluff	69.04	10	P	P	18 14 11.3	-0.4
PBMO	Poplar Bluff	69.06	18	eP	P	18 14 12.0	+0.3
UTMT	University of	69.09	20	eP	P	18 14 12.7	+0.8
HOPS	Hopland Field	69.12	351	eP	P	18 14 13.1	+1.1
X52A	Dahlonega	69.12	24	P	P	18 14 12.2	0.0
V48A	Smith Brothers	69.16	22	eP	P	18 14 11.9	-0.5
V48A	Smith Brothers	69.16	22	P	P	18 14 11.7	-0.7
W50A	Signal Mountain	69.17	23	eP	P	18 14 12.1	-0.4
W50A	Signal Mountain	69.17	23	P	P	18 14 12.0	-0.4
Z57A	Bowman	69.18	28	P	P	18 14 12.3	-0.3
WVT	Waverly	69.21	21	eP	P	18 14 12.2	-0.4
WVT	Waverly	69.21	21	eP	P	18 14 12.2	-0.4
WVT	Waverly	69.21	21	P	P	18 14 11.7	-0.9
X53A	Estanollee	69.25	25	P	P	18 14 12.4	-0.6
NLU	North Lily Min	69.27	360	eP	P	18 14 12.8	-0.4
Y55A	Saluda	69.29	26	P	P	18 14 13.2	0.0
U46A	Springville	69.31	20	P	P	18 14 12.2	-1.1
W51A	Cleveland	69.32	23	P	P	18 14 13.1	-0.3
MPU	Maple Canyon	69.33	0	eP	P	18 14 13.3	-0.2
ISCO	Idaho Springs	69.35	5	eP	P	18 14 14.3	+0.4
ISCO	Idaho Springs	69.35	5	eP	P	18 14 14.3	+0.4
ISCO	Idaho Springs	69.35	5	P	P	18 14 13.5	-0.3
PAHR	Pah Rah Range	69.38	354	eP	P	18 14 14.4	+0.5

HODGE	Hodges	69.40	26	eP	P	18 14 13.8	-0.1
ORV	Oroville	69.46	352	eP	P	18 14 14.3	+0.1
ORV	Oroville	69.46	352	eP	P	18 14 14.3	+0.1
V49A	McMinnville	69.48	22	P	P	18 14 13.2	-1.2
DUG	Dugway, Tooele	69.51	359	eP	P	18 14 14.9	+0.2
DUG	Dugway, Tooele	69.51	359	eP	P	18 14 14.9	+0.2
DUG	Dugway, Tooele	69.51	359	P	P	18 14 14.9	+0.2
O20A	White River Ci	69.52	3	eP	P	18 14 15.1	+0.3
O20A	White River Ci	69.52	3	P	P	18 14 14.8	+0.1
W52A	Murphy	69.55	24	eP	P	18 14 14.5	-0.4
W52A	Murphy	69.55	24	P	P	18 14 15.1	+0.2
Z58A	St. Stephen	69.58	28	P	P	18 14 14.9	-0.1
X54A	Belton	69.63	26	P	P	18 14 14.7	-0.6
BEKR	Beckworth	69.64	353	eP	P	18 14 15.8	+0.3
CLTN	Cedarvale	69.64	22	eP	P	18 14 15.6	+0.2
U47A	Clarksville	69.66	21	P	P	18 14 14.5	-0.9
CPCT	Cooper Cave	69.67	23	eP	P	18 14 15.0	-0.5
V50A	Pikeville	69.67	23	P	P	18 14 15.1	-0.4
BG3	Lake Jocassee	69.82	25	eP	P	18 14 17.4	+0.9
JSC	Jenkinsville	69.82	27	eP	P	18 14 16.9	+0.4
JSC	Jenkinsville	69.82	27	eP	P	18 14 16.9	+0.4
X55A	Gracelyn & A	69.85	26	P	P	18 14 16.3	-0.4
KSU1	Kansas State U	69.86	13	P	P	18 14 16.5	-0.1
KCPM	Cahto Peak	69.87	350	eP	P	18 14 17.0	+0.1
W53A	Cullowhee	69.89	25	P	P	18 14 16.8	-0.3
JLU	Jordanville	69.91	0	eP	P	18 14 17.2	0.0
BMN	Battle Mountai	69.92	356	eP	P	18 14 17.8	+0.6
Y57A	Sumner	69.94	27	eP	P	18 14 18.2	+1.0
U48A	Cassie Pea, Po	69.96	21	P	P	18 14 16.5	-0.8
T46A	Princeton	70.03	20	P	P	18 14 17.2	-0.6
V51A	Loudon	70.04	23	eP	P	18 14 18.1	+0.2
V51A	Loudon	70.04	23	P	P	18 14 17.4	-0.4
CCM	Cathedral Cave	70.05	17	eP	P	18 14 17.5	-0.3
CCM	Cathedral Cave	70.05	17	eP	P	18 14 17.5	-0.3
CCM	Cathedral Cave	70.05	17	P	P	18 14 17.3	-0.5
PAUL	Pauline	70.09	26	eP	P	18 14 18.1	-0.1
X56A	White Oak	70.10	27	P	P	18 14 18.0	-0.1
ELK	Elko	70.13	357	eP	P	18 14 18.8	+0.3
ELK	Elko	70.13	357	eP	P	18 14 18.8	+0.3
Y58A	Scranton	70.13	28	eP	P	18 14 17.9	-0.4
Y58A	Scranton	70.13	28	P	P	18 14 18.0	-0.4
W54A	Cherokee Point	70.18	25	P	P	18 14 17.8	-0.9
U49A	Red Boiling Sp	70.21	22	P	P	18 14 17.5	-1.3
T47A	Sharon Grove	70.22	21	eP	P	18 14 18.3	-0.6
T47A	Sharon Grove	70.22	21	P	P	18 14 18.3	-0.6
O03E	Paynes Creek	70.23	352	P	P	18 14 18.6	-0.4
O02D	Mt. Diablo Mer	70.24	351	P	P	18 14 19.0	-0.1
S44A	Carbondale	70.24	19	P	P	18 14 18.4	-0.6
BGU	Big Grassy Mou	70.24	359	eP	P	18 14 19.5	+0.4
V52A	Sevierville	70.34	24	eP	P	18 14 19.1	-0.6
V52A	Sevierville	70.34	24	P	P	18 14 18.8	-0.9
N23A	Red Feather La	70.41	5	eP	P	18 14 20.4	+0.1
N23A	Red Feather La	70.41	5	P	P	18 14 20.7	+0.4
KMRM	Mall Ridge	70.41	350	eP	P	18 14 19.9	-0.2
TCUT	Toone Canyon	70.43	0	eP	P	18 14 20.4	0.0
U50A	Jamestown	70.43	23	P	P	18 14 19.3	-0.9
BIRD	Birdtown, Kers	70.46	27	eP	P	18 14 21.0	+0.6
V53A	Saluda	70.47	25	eP	P	18 14 20.1	-0.4
V53A	Saluda	70.47	25	P	P	18 14 20.6	+0.1
KM5C	Kings Mountain	70.55	26	eP	P	18 14 20.6	-0.3
KM5C	Kings Mountain	70.55	26	P	P	18 14 20.4	-0.6
T48A	Bowling Green	70.56	21	P	P	18 14 20.3	-0.6
WDC	Whiskeytown Da	70.60	351	eP	P	18 14 20.5	-0.6
WDC	Whiskeytown Da	70.60	351	eP	P	18 14 20.5	-0.6
SPUT	South Promont	70.62	359	eP	P	18 14 21.4	0.0
U51A	La Follette	70.68	23	P	P	18 14 21.3	-0.4
S46A	Don Dixon Farm	70.68	20	P	P	18 14 21.0	-0.6
T49A	Edmonton	70.83	22	eP	P	18 14 22.3	-0.3
X58A	Rowland	70.83	28	P	P	18 14 23.3	+0.6
X58A	Rowland	70.83	28	P	P	18 14 21.8	-0.8
OGNE	Ogallala	70.83	8	eP	P	18 14 23.2	+0.6
OGNE	Ogallala	70.83	8	P	P	18 14 22.7	+0.1
W56A	Indian Trail	70.84	27	P	P	18 14 22.1	-0.6
S47A	Hartford	70.85	21	P	P	18 14 22.0	-0.7
PHWY	Pilot Hill	70.85	5	eP	P	18 14 23.0	-0.1
SLM	Saint Louis	70.86	18	eP	P	18 14 23.3	+0.6
SLM	Saint Louis	70.86	18	eP	P	18 14 23.3	+0.6
V54A	Nebo	70.88	25	P	P	18 14 22.2	-0.8
HWUT	Hardware Ranch	70.92	0	eP	P	18 14 22.9	-0.3
U52A	Thorn Hill	70.92	24	P	P	18 14 22.6	-0.6

USIN	University of	70.95	20	eP	P	18 14 23.2	-0.1
T50A	Nancy	70.98	23	P	P	18 14 22.5	-1.1
TZTN	Tazewell	70.99	24	eP	P	18 14 23.8	+0.2
TZTN	Tazewell	70.99	24	P	P	18 14 23.3	-0.3
N02D	Trinity Center	71.01	351	P	P	18 14 24.1	+0.4
JCC	Jacoby Creek,	71.04	350	eP	P	18 14 23.9	+0.1
KHMM	Horse Mountain	71.06	350	eP	P	18 14 24.5	+0.4
R45A	Skyler, Fairri	71.08	19	P	P	18 14 23.4	-0.6
W57A	Gilead	71.09	27	eP	P	18 14 24.0	-0.2
W57A	Gilead	71.09	27	P	P	18 14 23.6	-0.6
HVU	Hansel Valley	71.09	359</				

N41A	Harden Midland comp=Z,69nm,1.8s	72.65	17	eP	P	18 14 33.9	+0.5
N41A	Harden Midland baz=199	72.65	17	P	P	18 14 32.8	-0.7
HUMO	Hull Mountain comp=Z,15nm,1.1s	72.65	351	eP	P	18 14 34.5	+1.0
T56A	Rocky Mt baz=208	72.71	26	P	P	18 14 33.0	-0.9
BLA	Blacksburg comp=Z,38nm,1.1s	72.72	26	eP	P	18 14 33.9	-0.2
BLA	Blacksburg	72.72	26	eP	P	18 14 33.9	-0.2
BLA	comp=Z,38nm,1.1s				pmax		
BLA	Blacksburg baz=208	72.72	26	P	P	18 14 33.7	-0.4
V60A	Jim Taylor Roa comp=Z,52nm,1.2s	72.73	29	eP	P	18 14 33.5	-0.5
V60A	Jim Taylor Roa baz=211	72.73	29	P	P	18 14 33.2	-0.8
U58A	Oxford baz=210	72.74	28	P	P	18 14 33.5	-0.6
O44A	Mansfield	72.75	18	P	P	18 14 33.3	-0.8
O49A	Aurora	72.76	22	P	P	18 14 33.3	-0.9
P47A	Martinsville baz=209	72.78	20	P	P	18 14 33.1	-1.1
SNOW	Snow King Moun comp=Z,14nm,1.0s	72.78	1	eP	P	18 14 34.0	-0.5
TPAW	Teton Pass comp=Z,15nm,1.0s	72.80	1	eP	P	18 14 33.9	-0.8
K02D	Williamette Mer baz=189	72.83	351	P	P	18 14 33.1	-1.5
HD12	Hopedale	72.91	18	eP	P	18 14 35.2	+0.2
HD12	Hopedale comp=Z,59nm,1.4s	72.91	18	P	P	18 14 34.2	-0.8
HL12	Hailey	72.91	358	eP	P	18 14 35.2	0.0
HL12	Hailey comp=Z,26nm,1.1s	72.91	358	P	P	18 14 35.1	-0.1
S54A	Dingess, Beckl baz=207	72.91	25	P	P	18 14 34.5	-0.7
R52A	Cattlettsburg baz=206	72.91	24	P	P	18 14 34.4	-0.7
Q50A	Georgetown baz=205	72.92	22	P	P	18 14 34.3	-0.8
J08A	Circle Bar Ran comp=Z,45nm,1.5s	72.93	355	eP	P	18 14 35.7	+0.5
LOHW	Long Hollow comp=Z,25nm,1.4s	72.93	1	eP	P	18 14 34.6	-0.9
FXWY	Fox Creek comp=Z,24nm,1.4s	72.95	1	eP	P	18 14 34.6	-0.9
T57A	Hurt comp=Z,19nm,1.1s	72.99	27	eP	P	18 14 35.3	-0.3
T57A	Hurt baz=209	72.99	27	P	P	18 14 35.5	0.0
P48A	Milroy comp=Z,9.9nm,0.8s	73.01	21	eP	P	18 14 35.1	-0.5
P48A	Milroy baz=204	73.01	21	P	P	18 14 34.3	-1.4
U59A	Littleton comp=Z,17nm,0.6s	73.01	28	eP	P	18 14 34.9	-0.8
U59A	Littleton baz=210	73.01	28	P	P	18 14 35.6	-0.1
O45A	Potomac baz=202	73.05	19	P	P	18 14 34.9	-1.0
MOOW	Moose Ponds comp=Z,9.7nm,1.1s	73.06	1	eP	P	18 14 35.4	-0.7
KEBM	Edson Butte comp=Z,209nm,1.8s	73.10	350	eP	P	18 14 37.0	+0.8
J05D	Fort Rock, OR baz=171	73.11	353	P	P	18 14 36.6	+0.2
R53A	Hurricane comp=Z,15nm,0.9s	73.15	24	eP	P	18 14 37.0	+0.4
R53A	Hurricane baz=207	73.15	24	P	P	18 14 35.9	-0.6
J04D	Umpqua Nationa baz=171	73.17	352	P	P	18 14 36.5	-0.3
S55A	Lewisburg baz=208	73.19	25	P	P	18 14 36.8	0.0
IMW	Indian Meadow comp=Z,16nm,1.0s	73.21	1	eP	P	18 14 36.3	-0.8
T58A	Grand View Acr baz=210	73.22	27	P	P	18 14 36.4	-0.6
SCIA	State Center comp=Z,30nm,1.1s	73.24	14	eP	P	18 14 37.1	+0.1
SCIA	State Center	73.24	14	P	P	18 14 36.1	-0.9
Q51A	Peebles baz=197	73.29	23	eP	P	18 14 36.7	-0.7
Q51A	Peebles comp=Z,26nm,1.0s	73.29	23	P	P	18 14 36.5	-0.8
N43A	Stutzman Famil baz=203	73.30	18	P	P	18 14 36.7	-0.6
P49A	Miami Univ. Ec baz=204	73.30	22	P	P	18 14 36.0	-1.4
J01E	Myrtle Point baz=169	73.33	351	P	P	18 14 36.7	-0.7
SFIN	Lafayette comp=Z,27nm,1.3s	73.35	19	eP	P	18 14 36.9	-0.7
SFIN	Lafayette baz=202	73.35	19	P	P	18 14 36.7	-1.0
M41A	Milan baz=199	73.36	17	P	P	18 14 37.1	-0.6
R54A	Victor baz=208	73.37	25	P	P	18 14 37.5	-0.3
U60A	Pendleton baz=203	73.38	29	P	P	18 14 36.9	-0.9
FLWY	Flag Ranch comp=Z,24nm,1.0s	73.40	1	eP	P	18 14 38.1	0.0
N44A	Piper City baz=201	73.44	19	P	P	18 14 37.2	-0.9
S56A	Natural Bridge baz=209	73.46	26	P	P	18 14 37.3	-1.1
O47A	Sheridan baz=207	73.49	20	P	P	18 14 37.1	-1.3
U61A	Possum Corner comp=Z,134nm,1.4s	73.56	29	eP	P	18 14 39.2	+0.3
U61A	Possum Corner baz=212	73.56	29	P	P	18 14 38.0	-1.0
PINE	Pine Mountain comp=Z,20nm,1.0s	73.58	353	eP	P	18 14 39.6	+0.4
YPP	Pitchstone Pla comp=Z,6.7nm,1.1s	73.58	1	eP	P	18 14 38.6	-0.7
Q52A	Bidwell baz=206	73.61	24	P	P	18 14 38.7	-0.5
T59A	Double "B" Far comp=Z,12nm,1.0s	73.64	28	eP	P	18 14 40.1	+0.7
T59A	Double "B" Far baz=211	73.64	28	P	P	18 14 38.6	-0.8
P50A	Jamestown baz=205	73.67	22	P	P	18 14 38.8	-0.7
N45A	Kentland baz=203	73.67	19	P	P	18 14 39.0	-0.5
H17A	Grant Village comp=Z,16nm,1.5s	73.71	1	eP	P	18 14 40.8	+0.8
I07A	Izeze comp=Z,20nm,1.1s	73.73	354	eP	P	18 14 40.7	+0.8
I04A	Tendick Farm, baz=170	73.75	352	P	P	18 14 40.3	+0.3
YFT	Old Faithful comp=Z,6.1nm,0.7s	73.77	27	eP	P	18 14 40.8	+0.5
S57A	Dark Hollow, R comp=Z,8.1nm,0.9s	73.77	27	eP	P	18 14 39.8	-0.4
S57A	Dark Hollow, R baz=209	73.77	27	P	P	18 14 40.0	-0.1
RSSD	Black Hills comp=Z,39nm,1.3s	73.77	6	eP	P	18 14 39.9	-0.4
RSSD	Black Hills	73.77	6	eP	P	18 14 39.9	-0.4
RSSD	comp=Z,29nm,1.3s				pmax		
RSSD	Black Hills baz=187	73.77	6	P	P	18 14 39.5	-0.7
Q53A	Leroy baz=207	73.77	24	P	P	18 14 40.4	+0.3
R55A	Marlington comp=Z,39nm,1.9s	73.78	25	eP	P	18 14 40.2	-0.1
R55A	Marlington baz=208	73.78	25	P	P	18 14 40.1	-0.2
P51A	Williamsport comp=Z,42nm,1.4s	73.80	23	eP	P	18 14 39.8	-0.5
P51A	Williamsport baz=206	73.80	23	P	P	18 14 39.2	-1.0
M43A	Waltham Townsh baz=200	73.82	18	P	P	18 14 39.6	-0.8
O48A	Farmland baz=204	73.82	21	P	P	18 14 39.2	-1.2

L40A	Anamosa comp=Z,42nm,1.0s	73.84	16	eP	P	18 14 39.6	-0.9
L40A	Anamosa baz=198,SNR=12	73.84	16	P	P	18 14 40.4	-0.1
N46A	Mocello baz=202	73.93	19	P	P	18 14 40.2	-0.9
YMR	Madison River comp=Z,79nm,1.7s	73.98	1	eP	P	18 14 41.5	0.0
S58A	Poland Farm, P comp=Z,11nm,0.8s	73.99	27	eP	P	18 14 41.2	-0.2
S58A	Poland Farm, P baz=210	73.99	27	P	P	18 14 40.9	-0.6
O49A	Covington comp=Z,8.8nm,0.8s	74.02	22	eP	P	18 14 40.1	-1.4
O49A	Covington baz=205	74.02	22	P	P	18 14 40.7	-0.9
M44A	Midewin, Midew comp=Z,12nm,1.1s	74.02	18	eP	P	18 14 41.1	-0.4
M44A	Midewin, Midew baz=201	74.02	18	P	P	18 14 41.4	-0.1
YNR	Norris Junctio comp=Z,17nm,1.3s	74.03	1	eP	P	18 14 41.1	-0.7
YHB	Horse Butte comp=Z,21nm,1.4s	74.06	0	eP	P	18 14 40.3	-1.7
YHH	Holmes Hill comp=Z,29nm,1.3s	74.10	1	eP	P	18 14 42.2	-0.1
T60A	Surry comp=Z,86nm,1.3s	74.12	28	eP	P	18 14 42.7	+0.4
T60A	Surry baz=211	74.12	28	P	P	18 14 41.9	-0.4
Q54A	Coxs Mills baz=208	74.13	25	eP	P	18 14 42.9	+0.6
Q54A	Coxs Mills	74.13	25	P	P	18 14 42.3	0.0
QLMT	Earthquake Lak 74.14	0	eP	P	P	18 14 41.9	-0.6
MCMT	McKenzie Canyo 74.14	359	eP	P	P	18 14 42.5	0.0
R56A	Pul Pasture M 74.16	26	P	P	P	18 14 42.3	-0.2
I05D	Terrebonne, OR baz=171	74.17	353	P	P	18 14 42.4	0.0
L42A	Oliver, Polo comp=Z,15nm,0.9s	74.17	17	eP	P	18 14 41.5	-0.9
L42A	Oliver, Polo baz=200	74.17	17	P	P	18 14 42.6	+0.2
O50A	Cable baz=205	74.21	22	P	P	18 14 42.1	-0.6
M45A	Boilermakers S comp=Z,25nm,1.4s	74.24	19	P	P	18 14 42.3	-0.5
P52A	Corning baz=206	74.25	23	P	P	18 14 42.6	-0.4
BMO	Blue Mountains comp=Z,25nm,1.4s	74.33	356	eP	P	18 14 43.7	+0.3
BMO	Blue Mountains	74.33	356	eP	P	18 14 43.7	+0.3
BMO	comp=Z,25nm,1.4s				pmax		
ECSD	EROS Data Cent comp=Z,25nm,1.3s	74.35	11	eP	P	18 14 43.0	-0.5
ECSD	EROS Data Cent baz=194,SNR=10	74.35	11	P	P	18 14 42.9	-0.5
R58B	Mineral comp=Z,10nm,0.9s	74.37	27	P	P	18 14 43.4	-0.2
R58B	Mineral baz=210	74.37	27	P	P	18 14 43.1	-0.6
P53A	Whipple comp=Z,106nm,1.8s	74.38	24	eP	P	18 14 44.0	+0.3
P53A	Whipple baz=207	74.38	24	P	P	18 14 43.6	-0.1
R57A	Standardsville comp=Z,20nm,1.2s	74.40	27	eP	P	18 14 43.7	-0.1
N48A	Decatur baz=204	74.41	21	P	P	18 14 43.3	-0.5
Q55A	Buckhannon baz=209	74.42	25	P	P	18 14 42.8	-1.2
S59A	Mechanicsville baz=211	74.43	28	P	P	18 14 43.2	-0.8
RLMT	Red Lodge comp=Z,39nm,1.1s	74.46	2	eP	P	18 14 43.8	-0.6
RLMT	Red Lodge baz=182,SNR=6.4	74.46	2	P	P	18 14 44.2	-0.2
PL12	Pearl Lake comp=Z,20nm,1.2s	74.50	22	eP	P	18 14 44.5	0.0
ACSO	Alum Creek Sta comp=Z,17nm,1.3s	74.50	22	eP	P	18 14 43.8	-0.6
H04D	Lebanon baz=170	74.51	352	P	P	18 14 44.1	-0.3
M46A	Old House Fiel comp=Z,32nm,1.3s	74.52	20	eP	P	18 14 43.9	-0.6
O51A	Pataksala baz=206	74.55	23	P	P	18 14 44.2	-0.5
H04A	Detroit Lake comp=Z,35nm,1.6s	74.61	27	P	P	18 14 44.9	-0.1
R58A	Rapidan baz=210	74.61	27	P	P	18 14 44.5	-0.6
COR	Corvallis comp=Z,212nm,1.8s	74.64	351	eP	P	18 14 46.0	+1.0
DLMT	Dillon comp=Z,26nm,1.5s	74.67	359	eP	P	18 14 46.1	+0.6
SUSD	Miller baz=192	74.67	9	P	P	18 14 45.1	-0.2
M47A	Crosswell baz=203	74.69	20	P	P	18 14 45.1	-0.3
N49A	Columbus Grove comp=Z,18nm,1.1s	74.73	21	eP	P	18 14 44.8	-0.9
N49A	Columbus						

9d 18h

2013 JUL

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like LTY Liberty, J48A Bridge Port, F37A Hinrichs Farm, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like J55A Hilton, BMRO Meriville Lake, CASY Casey, etc.

Table with columns: Station Name, Frequency, Power, Direction, and other parameters. Includes stations like CHQG Chibougamau, STKA Stephens Creek, DLBC Dease Lake, etc.

9d 18h

Table with columns: MSFR, comp, Station Name, Az, El, P, Pg, S, S, Res, Time, Res. Includes stations like San Fratello, Castanea, Antillo, etc.

DDA 09 18:11:37.2, 42°22'N, 26°11'E, h9km, mb3, ML3.9
ISK 09 18:11:38.9, 42°23'N, 26°34'E, h5km, ML3.8/22
SOF 09 18:11:38.4, 42°18'N, 26°28'E, h8km, MD3.7

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

2013 JUL

Main table with columns: SMTH, comp, Station Name, Az, El, P, Pg, S, S, Res, Time, Res. Includes stations like Gelibolu, Lapseki, Marmara Adasi, etc.

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Table with columns: DEV, KIBS, comp, Station Name, Az, El, P, Pg, S, S, Res, Time, Res. Includes stations like Deva Bolu, Makarska, etc.

NIED 09 18:16:00, 26°90N, 144°00E, h5km, Mw4.4 Best double
comp: M4.59000x1015 NP1.344.00000, 838.00000,
lambda-59.00000, NP2.06.126.00000, 858.00000,

BUL 09 18:16:26.7, 0.2, 26°41'N, 144°10'E, h32km, mb4.6/35,
mb4.9/21, Ms4.4/9, Ms7.4/16
IDC 09 18:16:26.3, 0.5, 26°51'N, 144°10'E, h0km, mb4.2/20,
mb1.4/25, mb1mx3.2/55, mbmp4.2/25, ML3.4/5, MS3.5/7,

Table with columns: Code, Station Name, Az, El, P, Pg, S, S, Res, Time, Res. Includes stations like Chichi jima, Haha-jima, etc.

Table with columns: EQUI, comp=N,54um,0.9s, AML, AML, etc. Lists various astronomical objects and their properties.

MOS 09 18:22:30.0-0.8, 31.1785:178.64W, h44km, mb5.3/17, Error ellipse: s-maj=12.8km s-min=11.0km az=63.6

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists stations and their associated data.

Main table with columns: RITZ, Rihia Road, 8.46 212, P, Pn, etc. Lists astronomical objects and their properties.

Main table with columns: MEH, Mehietia, 30.78 70, eT, T, 19 00 27.8, etc. Lists astronomical objects and their properties.

Table of astronomical observations for 2013 JUL, including columns for object name, coordinates, magnitude, and other parameters. Objects listed include East Falkland, PLCA, PASO Flores, ZALVA, ADK, ASAJ, GSTR, NIKH, KULM, KSRS, GSI, YSS, NJS, MONP2, PETK, PEA1, BFSC, EDW2, ISA, BELC, CMB, CMB, GL3, BC, GLA, USRK, OOD2, CWC, GSN, GSC, GSC, AFDM, MPMC, OMMB, NRM, GMRC, O03E, WAKR, GRAE, L20C, PNTR, NVAR, NV11, TPNV, TPNV, PAHR, L04D, KVN, KVN, R10C, T10A, J05D, H04D, KLR, KLR, I07A, CMI, KMI, CD2, HHC, HHC, LPAZ, LPAZ, LZH, LZH, LZH, CPUP, ILAR, BILL, YAK, YAK, YKA, WMQ, WMQ.

Table of astronomical observations for 2013 JUL, including columns for object name, coordinates, magnitude, and other parameters. Objects listed include BOS, DGZ, MKAR, MKAR, ZALVA, KSH, KURK, KURK, BTk, BTk, GAR, GAR, KK31, KK31, KKAR, KKAR, LSK, LSK, BRVK, BRVK, LMN, LMN, GEYT, ARU, ARU, PRGR, PRGR, HAMF, ARAO, ARAO, ARCS, ARCS, ARES, ARES, KTKI, KTKI, STEI, STEI, KONS, KONS, MORB, MORB, ZEI, ZEI, NCK, NCK, AKH, AKH, AKK, AKK, MOS, MOS, KVB, KVB, KIV, KIV, SHA1, SHA1, NEY, NEY, LPSR, LPSR, GSN, GSN, OBN, OBN, OBN, OBN, VSR, VSR, FIA1, FIA1, FINES, FINES, NRS, NRS, NRS, NRS, TBLU, TBLU, VSU, VSU, MOL, MOL, DOMB, DOMB, AKN, AKN, NC303, NC303, NC303, NC303, NOA, NOA, NB000, NB000, IZAR, IZAR, IZAR, IZAR, IGIN, IGIN, SKAR, SKAR, ASK, ASK, KOB, KOB, ODDT, ODDT, AKASG, AKASG, AKBB, AKBB, BLSS, BLSS, KMY, KMY, ILGA, ILGA, BR131, BR131, BRTR, BRTR, SUW, SUW, SUW, SUW, ANTO, ANTO, ANTO, ANTO, KIC, KIC, TIC, TIC, DBIC, DBIC, DBIC, DBIC, CLL, CLL, VYHS, VYHS, VYHS, VYHS, BRG, BRG, BRG, BRG, KHC, KHC, GERES, GERES, TORD, TORD, TOA1, TOA1, ESDC, ESDC, ESDC, ESDC, KEST, KEST, KEST, KEST.

Table of astronomical observations for 2013 JUL, including columns for object name, coordinates, magnitude, and other parameters. Objects listed include IKOM, IKOM, KVF, KVF, IVIS, IVIS, IBZA, IBZA, IGHG, IGHG, IKFM, IKFM, ILIN, ILIN, IDOB, IDOB, IDOB, IDOB, INGE, INGE, IKMR, IKMR, HAGD, HAGD, HAGD, HAGD, KHMZ, KHMZ, KHMZ, KHMZ, ASAO, ASAO, ASAO, ASAO, SHGR, SHGR, QABG, QABG, IRAZ, IRAZ, BHD, BHD, IGVZ, IGVZ, GHVR, GHVR, GHVR, GHVR, IPIR, IPIR, QALM, QALM, IKLH, IKLH, IKLH, IKLH, IVRN, IVRN, KRSH, KRSH, MSL, MSL, MSL, MSL, IZEF, IZEF, IZEF, IZEF, GEN 09 18:41:07.2, 44:20N:10:13E, h3km, M11.0, ROM 09 18:41:06.6-0.1, 44:187N:0:006:10:122E:0:006, h3km, ML1.615, Error ellipse: s-major=0.7km s-min=0.5km

W41B Gary Mavity, V	66.95	17	P	P	18 59 31.5 +1.0
152A Waverly Hall	66.99	25	eP	P	18 59 31.1 +0.4
152A Waverly Hall	66.99	25	P	P	18 59 31.2 +0.5
WHAR Woolly Hollow	67.05	17	eP	P	18 59 31.5 +0.4
S22A 4UR Ranch, Cre	67.08	4	eP	P	18 59 32.4 +0.8
S22A 4UR Ranch, Cre	67.08	4	P	P	18 59 32.6 +1.0
Z50A Ashland	67.09	23	eP	P	18 59 31.5 +0.1
Z50A Ashland	67.09	23	P	P	18 59 31.5 +0.1
OXF Oxford	67.12	20	eP	P	18 59 31.2 -0.3
OXF Oxford	67.12	20	eP	P	18 59 31.2 -0.3
OXF Oxford	67.12	20	eP	P	18 59 31.2 -0.3
OMMB Old Mammoth Mi	67.12	354	eP	P	18 59 32.8 +0.8
255A Hazlehurst	67.18	27	P	P	18 59 32.4 +0.5
SDCO Great Sand Dun	67.18	5	eP	P	18 59 32.4 +0.2
SDCO Great Sand Dun	67.18	5	P	P	18 59 33.0 +0.7
MTPU Mount Princeton	67.22	360	eP	P	18 59 33.1 +0.6
Y48A Jasper	67.27	22	P	P	18 59 32.8 +0.3
153A Fort Valley	67.30	25	P	P	18 59 33.1 +0.4
PV01 Paradox Valley	67.38	3	eP	P	18 59 34.0 +0.6
PV13 Radium Mtn., P	67.39	3	eP	P	18 59 33.7 +0.2
Z51A Franklin	67.41	24	P	P	18 59 33.5 +0.1
X46A Booneville	67.41	21	P	P	18 59 33.7 +0.3
PV02 Paradox Valley	67.44	3	eP	P	18 59 33.9 0.0
256A Glennville	67.46	27	P	P	18 59 34.5 +0.7
Y49A Blount Mountain	67.47	23	eP	P	18 59 33.8 0.0
Y49A Blount Mountain	67.47	23	P	P	18 59 34.0 +0.2
PV18 Skein Mesa, Pa	67.47	2	eP	P	18 59 34.4 +0.4
PV03 Paradox Valley	67.48	3	eP	P	18 59 34.7 +0.7
PV17 East Wray Mesa	67.51	2	eP	P	18 59 34.3 +0.1
PV11 David Mesa, Pa	67.53	3	eP	P	18 59 34.5 +0.1
PV19 Morning Glory	67.54	2	eP	P	18 59 34.9 +0.5
PV16 Nyswonger Mesa	67.54	2	eP	P	18 59 34.8 +0.3
154A Montrose	67.54	26	eP	P	18 59 34.5 +0.3
154A Montrose	67.54	26	P	P	18 59 34.8 +0.6
PV12 Saucer Basin,	67.55	3	eP	P	18 59 34.0 -0.5
Z52A Williamson	67.57	25	P	P	18 59 35.0 +0.5
PV20 West Nyswonger	67.57	2	eP	P	18 59 33.3 -1.3
HHAR Hobbs	67.59	16	eP	P	18 59 34.8 +0.3
PV14 Lion Creek, Pa	67.60	2	eP	P	18 59 34.6 -0.2
PV10 Paradox Valley	67.60	2	eP	P	18 59 34.3 -0.5
X47A Russellville	67.61	21	P	P	18 59 34.9 +0.2
R11A Troy Canyon, C	67.61	357	eP	P	18 59 35.2 +0.4
R11A Troy Canyon, C	67.61	357	P	P	18 59 36.5 +1.7
PV04 Paradox Valley	67.62	2	eP	P	18 59 35.3 +0.4
PV23 Carpenter Ridg	67.68	2	eP	P	18 59 34.8 -0.5
PV07 Paradox Valley	67.68	3	eP	P	18 59 35.6 +0.4
CMB Columbia Colle	67.68	353	eP	P	18 59 35.8 +0.7
MSU Marysville	67.69	360	eP	P	18 59 35.3 -0.1
PV09 Paradox Valley	67.72	2	eP	P	18 59 36.2 +0.6
PSUT Pine Spring	67.73	358	eP	P	18 59 36.0 +0.3
Y50A Piedmont	67.73	23	P	P	18 59 36.1 +0.7
HBAR Harrisburg	67.74	19	eP	P	18 59 35.7 +0.2
PV22 Blue Mesa, Par	67.77	3	eP	P	18 59 35.8 0.0
TCRU Three Creeks R	67.78	359	eP	P	18 59 36.9 +0.9
PV21 Cone Mtn., Par	67.79	2	eP	P	18 59 36.7 +0.7
155A Kite	67.80	27	P	P	18 59 36.6 +0.8
257A Skidaway Islan	67.80	28	P	P	18 59 37.0 +1.1
X48A Hartselle	67.81	22	eP	P	18 59 35.6 -0.2
X48A Hartselle	67.81	22	P	P	18 59 36.1 +0.2
NV11 Mina Array Sit	67.86	355	eP	P	18 59 37.0 +0.7
NVAR Mina Array Base	67.87	355	P	P	18 59 38.1 +1.6
NVAR Mina Array Base	67.87	355	P	P	18 59 38.1 +1.6
NVAR Mina Array Base	67.87	355	P	P	18 59 38.1 +1.6
U40A Yellville	67.92	16	P	P	18 59 36.8 +0.3
SNAAsanae	67.95	161	P	P	18 59 35.4 -1.2
SNAAsanae	67.95	161	P	P	18 59 34.7 -1.9
SNAAsanae	67.95	161	eP	P	18 59 34.7 -1.9
SNAAsanae	67.95	161	eP	P	18 59 34.7 -1.9
Z53A Monticello	67.96	25	P	P	18 59 37.3 +0.5
PLAL Pickwick Lake	67.97	21	eP	P	18 59 36.5 -0.3
Y51A Rockmart	67.97	24	P	P	18 59 37.0 0.0
W46A Michie	68.01	21	P	P	18 59 37.0 -0.1
WAKR Walker	68.05	354	eP	P	18 59 38.1 +0.5
RYN Ryan	68.09	354	eP	P	18 59 39.3 +1.5
O16A Castle Valley	68.09	1	eP	P	18 59 38.3 +0.4
X49A Woodville	68.10	23	P	P	18 59 38.2 +0.5
GOGA Godfrey	68.11	25	eP	P	18 59 38.1 +0.2
GOGA Godfrey	68.11	25	eP	P	18 59 38.1 +0.2
GOGA Godfrey	68.11	25	eP	P	18 59 38.1 +0.2
GOGA Godfrey	68.11	25	P	P	18 59 38.0 +0.1
Z54A Sparta	68.19	26	P	P	18 59 38.3 -0.1
156A Sylvania	68.21	27	P	P	18 59 38.7 +0.3
X50B Fort Payne	68.28	23	P	P	18 59 39.0 +0.1
SRU San Rafael Swe	68.29	1	eP	P	18 59 39.8 +0.7
SRU San Rafael Swe	68.29	1	eP	P	18 59 39.8 +0.7
SRU San Rafael Swe	68.29	1	eP	P	18 59 39.8 +0.7
Y52A Liburn	68.30	25	P	P	18 59 39.3 +0.2
Y52A Liburn	68.30	25	P	P	18 59 39.5 +0.5
GNAR Gosnell	68.30	19	eP	P	18 59 39.8 +0.8

W47A Westpoint	68.36	21	P	P	18 59 39.3 0.0
Q24A Divide	68.42	6	eP	P	18 59 40.9 +0.8
Q24A Divide	68.42	6	P	P	18 59 40.5 +0.4
Z55A Blythe	68.45	27	P	P	18 59 40.2 +0.2
Y53A Monroe	68.47	25	P	P	18 59 40.5 +0.5
TMUT Trail Mountain	68.47	1	eP	P	18 59 40.9 +0.5
W48A Pulaski	68.47	22	P	P	18 59 40.2 +0.1
KVN Kaiserville	68.47	355	eP	P	18 59 41.5 +1.3
KVN Kaiserville	68.47	355	eP	P	18 59 41.5 +1.3
KVN Kaiserville	68.47	355	eP	P	18 59 41.5 +1.3
SMCO Snowmass	68.50	4	eP	P	18 59 41.0 +0.4
YERR Yerrington	68.51	354	eP	P	18 59 41.6 +1.2
PNTR Pine Nut	68.64	354	eP	P	18 59 42.1 +0.7
X51A Calhoun	68.65	24	eP	P	18 59 41.6 +0.4
X51A Calhoun	68.65	24	P	P	18 59 41.3 +0.1
AFDM Forest Hills D	68.65	352	eP	P	18 59 42.2 +1.1
P17A Butcher Ranch,	68.65	1	eP	P	18 59 41.5 +0.1
W49A Belvidere	68.67	22	P	P	18 59 41.4 +0.1
V46A Holladay	68.71	21	P	P	18 59 41.0 -0.5
KSCO Kaye Shedlock'	68.72	8	eP	P	18 59 42.4 +0.7
KSCO Kaye Shedlock'	68.72	8	P	P	18 59 42.9 +1.2
158A Hollywood	68.81	28	P	P	18 59 42.7 +0.5
Y54A Tignal	68.81	26	P	P	18 59 42.4 +0.2
SWET Sewanee	68.87	23	eP	P	18 59 42.1 -0.5
CBKS Cedar Bluff	68.92	10	eP	P	18 59 43.2 +0.4
CBKS Cedar Bluff	68.92	10	eP	P	18 59 43.2 +0.4
CBKS Cedar Bluff	68.92	10	P	P	18 59 43.3 +0.4
V47A Nureilly	68.92	21	P	P	18 59 42.7 -0.1
PBMO Poplar Bluff	68.95	18	eP	P	18 59 42.8 -0.1
UTMT University of	68.99	20	eP	P	18 59 44.2 +1.0
X52A Dahlonega	69.03	24	P	P	18 59 43.9 +0.3
V48A Smith Brothers	69.06	22	eP	P	18 59 43.2 -0.5
V48A Smith Brothers	69.06	22	P	P	18 59 43.5 -0.2
W50A Signal Mountai	69.07	23	eP	P	18 59 43.8 0.0
W50A Signal Mountai	69.07	23	P	P	18 59 43.8 0.0
Z57A Bowman	69.09	28	P	P	18 59 44.5 +0.5
WVT Waverly	69.10	21	eP	P	18 59 43.6 -0.3
WVT Waverly	69.10	21	eP	P	18 59 43.6 -0.3
WVT Waverly	69.10	21	eP	P	18 59 43.6 -0.3
X53A Estanollee	69.15	25	P	P	18 59 44.6 +0.3
MPU Murphy	69.19	0	eP	P	18 59 45.1 +0.5
Y55A Saluda	69.19	26	P	P	18 59 45.0 +0.4
U46A Springville	69.21	20	P	P	18 59 44.8 +0.2
ISCO Idaho Springs	69.21	5	eP	P	18 59 45.1 +0.1
ISCO Idaho Springs	69.21	5	eP	P	18 59 45.1 +0.1
ISCO Idaho Springs	69.21	5	P	P	18 59 45.8 +0.8
W51A Cleveland	69.22	24	P	P	18 59 45.0 +0.2
PAHR Pah Rah Range	69.23	354	eP	P	18 59 46.3 +1.4
Y56A Pelion	69.28	27	P	P	18 59 45.5 +0.4
HODGE Hodges	69.30	26	eP	P	18 59 45.4 +0.3
ORV Oroville	69.31	352	eP	P	18 59 46.5 +1.3
DUG Dugway, Tooele	69.37	359	eP	P	18 59 45.5 -0.3
DUG Dugway, Tooele	69.37	359	eP	P	18 59 45.5 -0.3
DUG Dugway, Tooele	69.37	359	eP	P	18 59 45.5 -0.3
DUG Dugway, Tooele	69.37	359	P	P	18 59 46.6 +0.9
V49A McMinnville	69.38	22	P	P	18 59 45.4 -0.3
O20A White River Cj	69.39	3	eP	P	18 59 46.3 +0.4
O20A White River Cj	69.39	3	P	P	18 59 46.8 +0.9
W52A Murphy	69.45	24	eP	P	18 59 45.8 -0.4
W52A Murphy	69.45	24	P	P	18 59 46.8 +0.6
Z58A St. Stephen	69.48	28	P	P	18 59 47.2 +0.9
X54A Belton	69.54	26	P	P	18 59 47.5 +0.8
CLTN Cedars of Leba	69.54	22	eP	P	18 59 46.3 -0.3
U47A Clarksville	69.56	21	P	P	18 59 47.1 +0.3
CPCT Cooper Cave	69.56	24	eP	P	18 59 46.8 -0.1
V50A Pikeville	69.56	23	P	P	18 59 47.0 +0.1
Z59A Georgetown, S	69.63	29	P	P	18 59 48.0 +0.7
BG3 Lake Jocease	69.72	25	eP	P	18 59 48.6 +0.7
JSC Jenkinsville	69.73	27	eP	P	18 59 48.2 +0.3
JSC Jenkinsville	69.73	27	eP	P	18 59 48.2 +0.3
JSC Jenkinsville	69.73	27	eP	P	18 59 48.2 +0.3
KSU1 Kansas State U	69.73	13	P	P	18 59 48.7 +0.9
X55A Gracelyn & Ava	69.75	26	P	P	18 59 48.9 +0.9
JLU Jordanelle	69.77	0	eP	P	18 59 49.1 +0.8
BMN Battle Mountai	69.78	356	eP	P	18 59 49.6 +1.4
W53A Cullowhee	69.80	25	P	P	18 59 48.8 +0.4
Y57A Sumter	69.84	27	P	P	18 59 49.4 +0.8
U48A Cassie Pea, Po	69.86	22	P	P	18 59 48.5 -0.1
T46A Princeton	69.92	20	P	P	18 59 49.2 +0.2
CCM Cathedral Cave	69.93	17	eP	P	18 59 48.9 -0.1
CCM Cathedral Cave	69.93	17	eP	P	18 59 48.9 -0.1
CCM Cathedral Cave	69.93	17	P	P	18 59 48.9 -0.1
V51A Loudon	69.94	24	eP	P	18 59 49.0 -0.2
V51A Loudon	69.94	24	P	P	18 59 49.2 0.0

ELK Elko	69.99	357	LR	LR	19 24 35.2
ELK Elko	69.99	357	eP	P	18 59 50.9 +1.3
ELK Elko	69.99	357	eP	P	18 59 50.9 +1.3
PAULI Pauline	69.99	26	eP	P	18 59 49.9 +0.4
X56A White Oak	70.00	27	P	P	18 59 50.6 +1.0
Y58A Scranton	70.04	28	P	P	18 59 50.7 +1.0
O03E Paynes Creek	70.08	352	P	P	18 59 50.5 +0.5
W54A Cherokee Point	70.08	26	P	P	18 59 51.1 +1.0
O02D Mt. Diablo Mer	70.09	351	P	P	18 59 51.6 +1.5
U49A Red Boiling Sp	70.10	22	P	P	18 59 50.4 +0.2
BGU Big Grassy Moun	70.10	359	eP	P	18 59 50.6 +0.4
T47A Sharon Grove	70.11	21	eP	P	18 59 49.9 -0.3
T47A Sharon Grove	70.11	21	eP	P	18 59 50.2 0.0
S44A Carbondale	70.13	19	P	P	18 59 50.5 +0.2
V52A Sevierville	70.24	24	eP	P	18 59 50.9 -0.1
V52A Sevierville	70.24	24	P	P	18 59 51.1 +0.1
N23A Red Feather La	70.28	5	eP	P	18 59 52.4 +0.9
N23A Red Feather La	70.28	5	P	P	18 59 52.4 +0.9
TCUT Toone Canyon	70.29	0	eP	P	18 59 51.8 +0.3
U50A Jantown	70.33	23	P	P	18 59 51.6 +0.1
X57A Johnson Farm,	70.35	27	P	P	18 59 52.5 +0.8
BIRD Birdtown, Kers	70.36	27	eP	P	18 59 52.2 +0.4
V53A Saluda	70.37	25	eP	P	18 59 52.1 +0.3
V53A					

V57A	Coltrane Farms baz=209	71.72	27	P	P	18 59 60.0	0.0
U55A	TAZ, Sparta baz=208	71.77	26	P	P	19 00 00.3	-0.1
R48A	Northridge Ran baz=204	71.80	21	P	P	18 59 59.7	-0.6
W60A	Pink Hill baz=211	71.84	29	P	P	19 00 01.1	+0.4
SS1A	Beattyville comp=Z,40nm,1.8s	71.86	23	eP	P	19 00 00.6	-0.2
SS1A	Beattyville baz=206	71.86	23	P	P	19 00 01.0	+0.3
WVOR	Wild Horse Val comp=Z,17nm,1.4s	71.88	355	eP	P	19 00 01.8	+0.9
WVOR	Wild Horse Val comp=Z,21nm,1.4s	71.88	355	eP	pmax	19 00 01.8	+0.9
P43A	Skaggs, Pawnee baz=200	71.88	18	P	P	19 00 00.9	+0.1
U56A	King baz=208	71.88	26	P	P	19 00 01.5	+0.5
V58A	Windy Hill, Pi baz=211	71.90	28	P	P	19 00 01.1	0.0
Q46A	CEJHS Indians, baz=202	71.92	20	P	P	19 00 01.3	+0.2
R49A	Shelbyville baz=204	71.92	22	P	P	19 00 00.7	-0.4
CNNC	Cliffs of the baz=211	71.93	29	P	P	19 00 01.2	0.0
AHID	Auburn Hatcher comp=Z,40nm,1.8s	71.94	1	eP	P	19 00 01.2	-0.2
BW06	Boulder Array comp=Z,14nm,1.3s	71.97	2	eP	P	19 00 01.2	-0.4
BW06	Boulder Array baz=182,SNR=9.4	71.97	2	P	P	19 00 01.4	-0.2
PDAR	Pinedale Array comp=Z,4.0nm,0.9s,baz=183,slow=6.0,SNR=24	71.97	2	eP	P	19 00 01.5	-0.1
K22A	Casper comp=Z,42nm,1.3s	71.99	4	eP	P	19 00 01.8	+0.1
K22A	Casper baz=185,SNR=8.3	71.99	4	P	P	19 00 02.1	+0.5
L04D	Klamath Falls baz=170	72.04	352	P	P	19 00 02.7	+0.8
T54A	Tazewell baz=207	72.06	25	P	P	19 00 02.0	-0.1
SS2A	Galysersville baz=206	72.07	24	P	P	19 00 02.8	+0.7
Q47A	Bedord North L baz=203	72.11	21	P	P	19 00 02.1	-0.1
L02E	Cave Junction baz=169	72.15	351	P	P	19 00 03.5	+1.1
R50A	Paris baz=205	72.19	22	P	P	19 00 02.5	-0.3
V59A	Middlesex baz=210	72.23	28	P	P	19 00 03.2	+0.1
W61A	Ground Anchor baz=211	72.26	29	P	P	19 00 03.0	-0.2
P45A	Graceland, Par comp=Z,15nm,0.9s	72.27	19	eP	P	19 00 03.1	-0.1
P45A	Graceland, Par baz=202	72.27	19	P	P	19 00 03.0	-0.1
BLO	Bloomington comp=Z,14nm,0.5s	72.30	20	eP	P	19 00 03.8	+0.4
BLO	Bloomington comp=Z,14nm,0.5s	72.30	20	eP	pmax	19 00 03.8	+0.4
Q48A	North Vernon baz=204	72.33	21	P	P	19 00 03.2	-0.3
U57A	Blanch baz=209	72.37	27	P	P	19 00 04.1	+0.3
K04D	Chiloquin, OR baz=171	72.37	352	P	P	19 00 03.6	-0.3
K05A	Sumner Lake comp=Z,21nm,1.1s	72.38	353	eP	P	19 00 05.4	+1.4
T55A	Pulaski baz=208	72.41	26	P	P	19 00 04.3	+0.1
SS3A	Williamson baz=202	72.41	24	P	P	19 00 04.3	+0.1
R51A	Hillsboro baz=206	72.46	23	P	P	19 00 04.3	-0.1
HUMO	Hull Mountain comp=Z,19nm,1.3s	72.50	351	eP	P	19 00 05.8	+1.2
P46A	Rosedale baz=202	72.51	20	P	P	19 00 04.4	-0.2
N40A	Mertquake, Sal baz=199	72.53	16	P	P	19 00 04.6	-0.1
N41A	Harden Midland comp=Z,39nm,1.6s	72.54	17	eP	P	19 00 05.2	+0.5
N41A	Harden Midland baz=199	72.54	17	P	P	19 00 04.9	+0.2
REDW	Red Top Meadow comp=Z,19nm,1.4s	72.54	1	eP	P	19 00 05.1	+0.1
T56A	Rocky Mt baz=209	72.62	26	P	P	19 00 05.7	+0.4
BLA	Blacksburg comp=Z,40nm,1.4s	72.63	26	eP	P	19 00 05.5	0.0
BLA	Blacksburg comp=Z,40nm,1.4s	72.63	26	eP	pmax	19 00 05.5	0.0
BLA	Blacksburg baz=208	72.63	26	P	P	19 00 05.8	+0.4
SNOW	Snow King Moun comp=Z,54nm,1.8s	72.64	1	eP	P	19 00 05.8	+0.2
V60A	Jim Taylor Roa comp=Z,19nm,1.6s	72.64	29	eP	P	19 00 05.7	+0.2
V60A	Jim Taylor Roa baz=211	72.64	29	P	P	19 00 05.8	+0.3
Q44A	Manfield baz=201	72.64	19	P	P	19 00 05.3	-0.1
U58A	Oxford baz=210	72.65	28	P	P	19 00 05.5	0.0
Q49A	Aurora baz=204	72.66	22	P	P	19 00 04.9	-0.7
TPAW	Teton Pass comp=Z,46nm,1.6s	72.66	1	eP	P	19 00 05.7	-0.1
P47A	Martinsville baz=203	72.67	20	P	P	19 00 04.9	-0.7
K02D	Williamette Mer baz=169	72.69	351	P	P	19 00 05.4	-0.3
HLID	Hailey comp=Z,21nm,1.1s	72.77	358	eP	P	19 00 07.2	+0.8
HLID	Hailey baz=178,SNR=19	72.77	358	eP	P	19 00 07.4	+1.1
J08A	Circle Bar Ran comp=Z,27nm,1.5s	72.78	355	eP	P	19 00 07.8	+1.5
LOHW	Long Hollow comp=Z,4nm,1.5s	72.79	1	eP	P	19 00 06.6	+0.1
HDIL	Hopedale baz=200	72.80	18	eP	P	19 00 06.5	+0.2
HDIL	Hopedale baz=200	72.80	18	P	P	19 00 06.3	0.0
FXWY	Fox Creek comp=Z,21nm,1.4s	72.81	1	eP	P	19 00 06.8	+0.2
Q50A	Georgetown baz=205	72.81	22	P	P	19 00 05.8	-0.6
R52A	Catlettsburg baz=202	72.81	24	P	P	19 00 06.5	0.0
SS4A	Dingess, Beckl baz=207	72.81	25	P	P	19 00 06.7	+0.2
T57A	Hurt comp=Z,18nm,1.5s	72.89	27	eP	P	19 00 06.9	-0.1
T57A	Hurt baz=209	72.89	27	P	P	19 00 06.8	-0.2
P48A	Milroy baz=204	72.91	21	P	P	19 00 06.3	-0.6
MOOW	Moose Ponds comp=Z,32nm,1.9s	72.92	1	eP	P	19 00 06.7	-0.6
U59A	Littleton comp=Z,38nm,1.6s	72.92	28	eP	P	19 00 07.3	+0.2
U59A	Littleton baz=210	72.92	28	P	P	19 00 07.3	+0.2
O45A	Potomac baz=202	72.94	19	P	P	19 00 07.2	0.0
J04D	Fort Rock, OR baz=171,SNR=0	72.97	353	P	P	19 00 08.6	+1.2
J04D	Umpqua Nationa baz=171	72.97	352	P	P	19 00 08.5	+0.7
R53A	Hurricane comp=Z,60nm,2.0s	73.05	24	eP	P	19 00 08.6	+0.7
R53A	Hurricane baz=207	73.05	24	P	P	19 00 08.2	+0.3
IMW	Indian Meadow comp=Z,34nm,1.6s	73.07	1	eP	P	19 00 08.1	-0.1
SS5A	Lewisburg baz=208	73.09	26	P	P	19 00 08.9	+0.7
SCIA	State Center comp=Z,29nm,1.3s	73.13	14	eP	P	19 00 08.4	+0.1
SCIA	State Center baz=197	73.13	14	P	P	19 00 08.6	+0.4

T58A	Grand View Acr baz=210	73.13	27	P	P	19 00 08.4	0.0
N43A	Stutzman Famil baz=200	73.19	18	P	P	19 00 08.8	+0.2
Q51A	Peebles comp=Z,28nm,1.3s	73.19	23	eP	P	19 00 08.6	-0.1
Q51A	Peebles baz=206	73.19	23	P	P	19 00 08.7	0.0
P49A	Miami Univ. Ec comp=Z,204	73.20	22	P	P	19 00 08.0	-0.7
M41A	Milan baz=199	73.24	17	P	P	19 00 09.2	+0.3
SFIN	Lafayette comp=Z,7nm,1.4s	73.24	20	eP	P	19 00 08.9	0.0
SFIN	Lafayette baz=202	73.24	20	P	P	19 00 08.9	0.0
FLWY	Flagg Ranch comp=Z,14nm,0.8s	73.26	1	eP	P	19 00 09.8	+0.5
R54A	Victor baz=208	73.27	25	P	P	19 00 09.8	+0.6
U60A	Pendleton baz=211	73.29	29	P	P	19 00 09.5	+0.2
N44A	Piper City baz=201	73.33	19	P	P	19 00 09.7	+0.2
S56A	Natural Bridge baz=209	73.36	26	P	P	19 00 10.0	+0.2
O47A	Sheridan baz=203	73.39	20	P	P	19 00 09.3	-0.5
PINE	Pine Mountain baz=203	73.44	353	eP	P	19 00 11.4	+1.1
YPP	Pitchstone Pla comp=Z,7nm,1.1s	73.44	1	eP	P	19 00 10.5	0.0
U61A	Possum Corner baz=212	73.47	29	P	P	19 00 10.5	+0.2
Q52A	Bidwell baz=206	73.50	24	P	P	19 00 10.9	+0.3
T59A	Double "B" Far baz=211	73.55	28	P	P	19 00 11.0	+0.2
N45A	Kentland baz=202	73.56	19	P	P	19 00 11.1	+0.3
P50A	Jamstown baz=205	73.56	22	P	P	19 00 10.9	0.0
I07A	Izee comp=Z,22nm,1.3s	73.59	354	eP	P	19 00 12.7	+1.6
I03D	Drain, OR baz=210	73.63	351	P	P	19 00 10.6	-0.5
RSSD	Black Hills comp=Z,27nm,1.4s	73.64	6	eP	P	19 00 11.8	+0.3
RSSD	Black Hills comp=Z,27nm,1.4s	73.64	6	eP	pmax	19 00 11.8	+0.3
RSSD	Black Hills baz=187	73.64	6	P	P	19 00 11.7	+0.2
SS7A	Dark Hollow, R baz=209	73.67	27	P	P	19 00 11.7	+0.2
Q53A	Leroy baz=207	73.67	24	P	P	19 00 12.1	+0.6
R55A	Marlinton comp=Z,6.3nm,1.0s	73.68	26	eP	P	19 00 10.8	-0.9
R55A	Marlinton baz=208	73.68	26	P	P	19 00 12.1	+0.4
P51A	Williamsport comp=Z,34nm,1.5s	73.70	23	eP	P	19 00 11.4	-0.2
P51A	Williamsport baz=206	73.70	23	P	P	19 00 11.8	+0.2
M43A	Waltham Townsh baz=200	73.71	18	P	P	19 00 11.5	-0.2
O48A	Farnand baz=204	73.72	21	P	P	19 00 11.3	-0.4
L40A	Anamosa comp=Z,57nm,1.4s	73.73	16	eP	P	19 00 12.3	+0.5
L40A	Anamosa baz=198,SNR=8.1	73.73	16	P	P	19 00 12.3	+0.5
N46A	Monticello baz=202	73.83	20	P	P	19 00 12.5	+0.1
YMR	Madison River comp=Z,30nm,0.3s	73.84	1	eP	P	19 00 13.5	+0.8
SS8A	Poland Farm, P comp=Z,12nm,1.3s	73.90	27	eP	P	19 00 12.3	-0.6
SS8A	Poland Farm, P baz=210	73.90	27	P	P	19 00 12.9	0.0
M44A	Midew, Midew comp=Z,38nm,1.6s	73.91	18	eP	P	19 00 13.2	+0.3
M44A	Midew, Midew baz=201	73.91	18	eP	P	19 00 12.9	0.0
O49A	Covington comp=Z,6.6nm,0.9s	73.91	22	P	P	19 00 12.0	-0.9
O49A	Covington baz=205	73.91	22	P	P	19 00 12.3	-0.6
YHB	Horse Butte comp=Z,41nm,1.7s	73.92	0	eP	P	19 00 13.8	+0.6
YHH	Holmes Hill comp=Z,17nm,1.3s	73.96	1	eP	P	19 00 14.2	+0.7
QLMT	Earthquake Lak baz=171	74.00	0	eP	P	19 00 14.5	+0.9
MCMT	McClure Canyo baz=171	74.00	353	eP	P	19 00 14.4	+0.8
I05D	Terrebonne, OR baz=171	74.02	353	P	P	19 00 14.7	+1.2
Q54A	Coxs Mills comp=Z,17nm,1.3s	74.03	25	eP	P	19 00 14.2	+0.5
Q54A	Coxs Mills baz=208	74.03	25	P	P	19 00 14.0	+0.4

N55A	Marion Center	76.29	25	P	P	19 00 27.4 +0.8
O57A	Amberson	76.31	26	P	P	19 00 27.4 +0.6
E04D	Cinebar	76.35	352	P	P	19 00 27.4 +0.6
K48A	Perry	76.36	21	P	P	19 00 27.8 +0.9
SPMN	Marine on St.	76.39	14	eP	P	19 00 27.6 +0.5
SPMN	Marine on St.	76.39	14	P	P	19 00 27.6 +0.5
J46A	Howard City	76.40	19	P	P	19 00 27.8 +0.7
LON	Longmire	76.45	353	eP	P	19 00 27.6 +0.2
LON	Longmire	76.45	353	eP	pmx	19 00 27.7 +0.2
E03A	Lebam	76.45	352	eP	P	19 00 27.8 +0.5
D08A	Wollman Farm	76.49	355	eP	P	19 00 28.3 +0.6
O58A	Lewisberry	76.51	27	P	P	19 00 28.3 +0.4
J47A	Summer	76.54	20	P	P	19 00 28.8 +0.8
J47A	Summer	76.54	20	P	P	19 00 28.5 +0.6
K49A	Clarkson	76.54	21	P	P	19 00 28.6 +0.6
SSPA	Standing Stone	76.58	26	eP	P	19 00 28.1 -0.1
SSPA	Standing Stone	76.58	26	P	P	19 00 28.4 +0.2
ALLY	Alegheny Colle	76.63	24	eP	P	19 00 29.0 +0.4
N56A	West Decatur	76.67	25	P	P	19 00 29.1 +0.3
PAGS	Pennsylvania G	76.68	27	eP	P	19 00 29.1 +0.3
M54A	Oil Creek Stn	76.68	24	P	P	19 00 29.0 +0.1
M54A	Oil Creek Stn	76.68	24	P	P	19 00 29.3 +0.5
G39A	Holcombe	76.80	15	P	P	19 00 29.8 +0.4
K50A	Casco	76.80	22	eP	P	19 00 28.7 -0.7
K50A	Casco	76.80	22	P	P	19 00 29.5 0.0
N57A	Milroy	76.81	26	P	P	19 00 29.5 0.0
H43A	Windswept, Lux	76.85	17	eP	P	19 00 29.6 -0.1
H43A	Windswept, Lux	76.85	17	P	P	19 00 29.8 +0.1
L53A	Girard	76.86	24	P	P	19 00 29.9 0.0
A45A	Fountain	76.86	19	eP	P	19 00 29.5 -0.2
A45A	Fountain	76.86	19	P	P	19 00 30.0 +0.3
F37A	Hinrichs Farm,	76.90	14	P	P	19 00 30.7 +0.8
D05A	Enumclaw	76.91	353	eP	P	19 00 30.2 +0.3
J48A	Bridge Port	76.91	21	eP	P	19 00 30.7 +0.7
J48A	Bridge Port	76.91	21	P	P	19 00 32.3 +2.3
M55A	Ridgway	76.97	25	P	P	19 00 30.9 +0.4
P61A	Hammonton	76.99	29	P	P	19 00 31.4 +0.8
G40A	Rib Lake	77.00	15	eP	P	19 00 30.6 +0.1
G40A	Rib Lake	77.00	15	P	P	19 00 31.2 +0.7
A46A	Reed City	77.00	19	P	P	19 00 30.6 +0.1
K51A	Iona Station	77.12	22	P	P	19 00 31.8 +0.6
J49A	Marlette	77.16	21	P	P	19 00 31.7 +0.3
C09A	Chrisman Ranch	77.19	356	eP	P	19 00 32.4 +0.8
M56A	Emporium	77.20	25	P	P	19 00 32.3 +0.6
EGMT	Eagleton	77.22	1	eP	P	19 00 32.8 +1.0
EGMT	Eagleton	77.22	1	P	P	19 00 32.8 +1.0
O60A	Telford	77.28	28	P	P	19 00 32.0 -0.1
F38A	Pierce - Schro	77.28	14	P	P	19 00 32.8 +0.7
NLWA	Neilton Lookou	77.33	352	eP	P	19 00 33.1 +0.8
I47A	Gladwin	77.34	20	eP	P	19 00 33.0 +0.6
I47A	Gladwin	77.34	20	P	P	19 00 33.5 +1.0
D03D	Eldon	77.37	352	P	P	19 00 33.8 +1.3
K52A	Tiltsburg	77.44	23	P	P	19 00 33.5 +0.5
L54A	Sinclairville	77.44	24	P	P	19 00 33.4 +0.3
F39A	Loretta	77.45	15	P	P	19 00 33.5 +0.5
H45A	Beulah	77.46	19	P	P	19 00 34.0 +0.9
C06D	Leavenworth	77.52	354	P	P	19 00 34.3 +0.9
LUPA	Lahigh Unvers	77.53	28	eP	P	19 00 34.0 +0.4
NEW	Newport	77.58	356	LR	LR	19 28 56.3
NEW	Newport	77.58	356	eP	P	19 00 34.6 +0.9
NEW	Newport	77.58	356	eP	P	19 00 34.6 +0.9
NEW	Newport	77.58	356	pmx	pmx	
NEW	Newport	77.58	356	P	P	19 00 34.7 +0.9
H46A	Fife Lake	77.62	19	P	P	19 00 34.4 +0.4
F40A	Park Falls	77.63	15	P	P	19 00 34.6 +0.6
N59A	State Game Lan	77.64	27	eP	P	19 00 34.1 -0.2
N59A	State Game Lan	77.64	27	P	P	19 00 35.0 +0.7
L55A	Hinsdale	77.71	25	P	P	19 00 35.6 +1.0
A48A	Sherman Twp	77.74	20	P	P	19 00 35.6 +0.9
I49A	Point Hope	77.78	21	P	P	19 00 35.3 +0.4
MDND	Maddock	77.80	8	eP	P	19 00 36.1 +1.2
MDND	Maddock	77.80	8	P	P	19 00 35.3 +0.3
N60A	Cedar Hill Far	77.87	28	P	P	19 00 35.5 +0.1
J52A	Paris	77.92	23	P	P	19 00 35.9 +0.2
DGMT	Dagmar	77.94	5	eP	P	19 00 36.8 +1.0
DGMT	Dagmar	77.94	5	P	P	19 00 36.6 +0.9
G45A	Suttons Bay	77.95	19	eP	P	19 00 37.4 +1.6
G45A	Suttons Bay	77.95	19	P	P	19 00 36.3 +0.4
F42A	Maple Grove Fa	77.96	17	P	P	19 00 36.0 +0.1
H47A	Mic	77.96	20	P	P	19 00 36.1 +0.1
E38A	The Farm, Brul	77.97	14	eP	P	19 00 36.0 +0.1
E38A	The Farm, Brul	77.97	14	P	P	19 00 36.2 +0.3
B05A	Bryant	77.98	353	P	P	19 00 36.5 +0.6
K54A	Basiliko Farm,	77.99	24	P	P	19 00 36.1 0.0

TYNO	Tyneside	78.00	23	P	P	19 00 36.4 +0.3
COWI	Conover	78.03	16	eP	P	19 00 36.8 +0.5
GLMI	Grayling	78.05	19	P	P	19 00 36.9 +0.5
BASO	Ashfield	78.22	22	P	P	19 00 38.1 +0.7
I51A	Listowel	78.24	22	P	P	19 00 38.1 +0.6
WALA	Waterton Lakes	78.25	359	eP	P	19 00 38.3 +0.8
M59A	Waymart	78.31	27	P	P	19 00 38.4 +0.4
H48A	Harrisville	78.32	20	P	P	19 00 38.5 +0.6
K55A	Perry	78.32	25	P	P	19 00 38.5 +0.5
STCO	Saint Catharin	78.35	24	P	P	19 00 37.8 -0.2
MMNY	Mt. Morris Dam	78.39	25	eP	P	19 00 38.6 +0.4
ACTO	Acton	78.39	23	P	P	19 00 38.3 0.0
G46A	Petoskey	78.43	19	P	P	19 00 39.2 +0.7
PAL	Palisades	78.47	28	P	P	19 00 40.4 +1.6
BWLO	Walkerton	78.48	22	P	P	19 00 39.4 +0.6
A04D	Lummi Island	78.50	353	P	P	19 00 39.8 +1.1
BRCO	Bruce Peninsul	78.50	22	P	P	19 00 39.4 +0.6
MEDO	Medina	78.56	24	P	P	19 00 39.8 +0.5
F45A	CMU Biological	78.58	18	P	P	19 00 40.4 +1.2
G47A	Hillman	78.59	20	P	P	19 00 40.5 +1.1
J54A	Applon	78.59	24	P	P	19 00 39.6 +0.2
BINY	Binghamton	78.65	26	eP	P	19 00 40.6 +0.8
BINY	Binghamton	78.65	26	P	P	19 00 40.4 +0.6
I53A	Kortright Cn E	78.74	23	P	P	19 00 40.7 +0.5
AGMN	Agassiz Nation	78.78	11	eP	P	19 00 40.8 +0.5
AGMN	Agassiz Nation	78.78	11	P	P	19 00 41.0 +0.7
E43A	Lone Tree Farm	78.82	17	eP	P	19 00 41.1 +0.5
E43A	Lone Tree Farm	78.82	17	P	P	19 00 41.4 +0.8
J55A	Hilton	78.88	25	P	P	19 00 41.4 +0.4
J55A	Hilton	78.88	25	P	P	19 00 41.4 +0.4
BMRO	Meriville Lake	78.88	22	P	P	19 00 41.6 +0.6
PKRO	Pickering	79.05	23	P	P	19 00 42.5 +0.7
D41A	Chassel	79.07	16	eP	P	19 00 42.7 +0.7
D41A	Chassel	79.07	16	P	P	19 00 42.5 +0.6
DRCO	St. Marys Ceme	79.10	24	P	P	19 00 42.8 +0.6
WLVO	Wesleyville	79.25	24	P	P	19 00 43.6 +0.6
EYMN	Ely	79.25	14	eP	P	19 00 43.3 +0.3
EYMN	Ely	79.25	14	P	P	19 00 43.1 +0.1
TOBO	Toboyong, Bru	79.35	21	P	P	19 00 44.0 +0.5
H52A	Wyevale	79.36	23	P	P	19 00 44.1 +0.5
SYO	Snow Base	79.54	170	eX	P	19 00 39.3 -5.1
E46A	Sault Ste Mari	79.55	19	eP	P	19 00 45.1 +0.5
E46A	Sault Ste Mari	79.55	19	P	P	19 00 45.5 +0.9
F48A	Evansville	79.55	20	P	P	19 00 45.3 +0.7
F49A	Sandfield	79.67	21	P	P	19 00 45.7 +0.4
SADO	Sadowa	79.73	23	LR	LR	19 33 40.1
SADO	Sadowa	79.73	23	eP	P	19 00 46.0 +0.4
C40A	Isle Royale Na	79.74	15	eP	P	19 00 46.2 +0.6
C40A	Isle Royale Na	79.74	15	P	P	19 00 45.7 +0.2
I55A	Frankford	79.75	24	P	P	19 00 46.3 +0.6
PECO	Price Edward	79.76	25	P	P	19 00 45.9 +0.1
KLBO	Kilbear Provi	79.89	22	P	P	19 00 46.6 +0.1
E47A	Iron Bridge	79.92	20	P	P	19 00 47.3 +0.7
DELO	Deloro Mine	80.04	24	P	P	19 00 48.0 +0.7
D46A	Sault St. Mari	80.10	19	P	P	19 00 48.3 +0.7
G53A	Haliburton	80.21	23	P	P	19 00 48.9 +0.7
H55A	Tweed	80.22	24	P	P	19 00 48.5 +0.3
BUKO	Buck Lake	80.23	23	P	P	19 00 49.0 +0.7
E48A	Lockeyer	80.28	20	P	P	19 00 49.0 +0.4
LLL	Lillooet	80.28	354	eP	P	19 00 48.9 +0.4
M65A	Busby, Falmout	80.32	30	P	P	19 00 49.3 +0.4
BANO	Banoff	80.36	24	P	P	19 00 49.3 +0.3
F51A	Arnstein	80.49	22	P	P	19 00 50.2 +0.5
D47A	Chapleau	80.52	19	P	P	19 00 50.7 +0.8
F52A	Sundridge	80.57	22	P	P	19 00 50.8 +0.6
H56A	Elgin	80.59	25	P	P	19 00 50.7 +0.5
E50A	Wahnapiitae	80.67	21	P	P	19 00 51.2 +0.6
ULM	Lac du Bonnet	80.67	10	P	P	19 00 50.4 -0.1
ULM	Lac du Bonnet	80.67	10	LR	LR	19 32 25.5
ULM	Lac du Bonnet	80.67	10	eP	P	19 00 50.5 -0.1
ULM	Lac du Bonnet	80.67	10	pmx	pmx	19 00 50.5 -0.1
PLVO	Plevna	80.68	24	eP	P	19 00 51.2 +0.4
PLVO	Plevna	80.68	24	P	P	19 00 51.1 +0.4
HAN	Adam Dzewonsk	80.70	29	P	P	19 00 51.4 +0.5
NCB	Newcomb	80.83	27	eP	P	19 00 52.1 +0.5
G55A	Calabogie	81.00	24	P	P	19 00 52.6 +0.2
D48A	Paudash Townsh	81.01	20	P	P	19 00 53.1 +0.6
ALGO	Algonquin Park	81.14	23	P	P	19 00 53.4 +0.3
E51A	G1948 Merrick	81.16	22	P	P	19 00 53.7 +0.4
PEMO	Pembroke	81.17	24	P	P	19 00 54.0 +0.6
E52A	Mattawa	81.22	23	P	P	19 00 54.0 +0.4
D49A	Beulah Townshi	81.23	20	P	P	19 00 54.5 +0.9
LONY	Lake Ozonia	81.24	26	eP	P	19 00 54.1 +0.4
LONY	Lake Ozonia	81.24	26	P	P	19 00 54.3 +0.5

F55A	Otter Lake	81.63	24	P	P	19 00 56.3 +0.5
E53A	Dumoine, Ponti	81.64	23	P	P	19 00 56.4 +0.6
FRNY	Flat Rock	81.81	26	eP	P	19 00 57.3 +0.5
E54A	Lac Daplat, Po	81.85	23	P	P	19 00 57.2 +0.3
D52A	ZEK Kipawa Sen	81.91	22	P	P	19 00 58.4 +0.8
LBNH	Lisbon	81.97	28	P	P	19 00 58.0 +0.8
D53A	Lac Vacive, Po	82.23	23	eP	P	19 00 59.0 +0.1
D53A	Lac Vacive, Po	82.23	23	P	P	19 00 59.5 +0.6
BBB	Bella Bella	82.60	350	LR	LR	19 30 08.6
TRQ	Mont Tremblant	82.61	25	eP	P	19 01 01.1 +0.1
D54A	Lac Fusel, La	82.65	23	P	P	19 01 01.3 +0.2
MOQ	Mont Orford	82.73	27	eP	P	19 01 02.4 +0.7
MAW	Mawson	83.05	178	P	P	19 01 02.9 -0.4
MAW	Mawson	83.05	178	LR	LR	19 36 24.9
MAW	Mawson	83.09	178	eP	P	19 01 03.

Table with columns: ZAK, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zakamensk, Son La, Mondy, Galich'ya Gora, Chengdu, Anankara, etc.

MEX 09 18:53:09.5-0.4, 16.63N-98.63W, h15km, 6km, MD3.6, Near coast of Guerrero

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

IDC 09 19:17:58.5-2.8, 13.26S-167.34E, h0km, mb4.1/4, mb1.4-3.4, mb1mx3.8/3.7, mbtmp4.1/4, Error ellipse: s-maj=100.5km s-min=30.0km az=129.0

ISCJB 09 19:18:02.1-1.3, 13.18S-0.2, 167.4E-0.2, h33km, mb4.5/11, Error ellipse: s-maj=34.8km s-min=16.4km az=27.3

NEIC 09 19:18:11.0-1.2, 13.67S-167.45E, h107km, 11km, mb4.6/8, Error ellipse: s-maj=30.0km s-min=19.5km az=139.0

ISC 09 19:18:02.9-1.4, 13.85S-0.2, 167.6E-0.3, h33km, n16, s105/16, mb4.3/11, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KWAJ, STKA, WB2, WR1, WRA, AS31, ASAR, BBOO, FORT, NWAO, QSPA, MK32, MKAR, ARAO, ARCS.

ROM 09 19:41:20.1-0.3, 39.47N-0.01, 14.66E-0.03, h395km, 2km, ML3.1/25, Error ellipse: s-maj=2.4km s-min=1.1km az=113.0

ISCJB 09 19:41:23.2-0.4, 39.54N-0.06, 14.59E-0.09, h381km, 5km, mb3.0/4, Error ellipse: s-maj=12.2km s-min=7.9km az=35.8

IDC 09 19:41:27.1-1.1, 39.73N-14.25E, h414km, 24km, mb2.8/5, mb1.2-7.1/4, mb1mx2.6/5.1, mbtmp3.4/14, Error ellipse: s-maj=20.1km s-min=16.6km az=31.0

ISC 09 19:41:23.9-0.7, 39.56N-0.08, 14.73E-0.07, h373km, 8km, n62, s112/70, mb3.2/4, Tyrrhenian Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BULG, MSRU, MCPD.

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BULG, MSRU, MCPD, CUC, etc.

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MCPD, MSFR, MSCL, NOV, SERS, PIPA, TIP, GMB, AIO, MTTG, PLAC.

9d 20h

Table of astronomical observations for 9d 20h, listing stations like KBK, FRU1, FRU2, etc., and their respective coordinates and observation times.

2013 JUL

Table of astronomical observations for 2013 JUL, listing stations like WSAR, UOSS, ZAAO, etc., and their respective coordinates and observation times.

476

Table of astronomical observations for 476, listing stations like GSI, KHC, KHC, etc., and their respective coordinates and observation times.

ISCJB 09 20:51:44.6 ± 0.3, 18° 30'S ± 0' 02.69'' 00W ± 0' 02.10'' h100km±2km, mb5.3/34, Error ellipse: s-maj=4.2km s-min=2.7km b=135.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Lists stations like MNMC, GO01, PB16, etc.

PB02	eS	Sn	20 52 51.7	-1.9	RUSC	La Rusia	25.12 351	eP	P	20 57 02.3	+0.2	557A	Orange Park	50.30 346	P	P	21 00 32.7	+0.7
PB02	IAML		20 53 01.5		NORC	Norcoria	25.14 346	eP	P	20 57 00.6	-1.2	556A	Lake Butler	50.45 345	P	P	21 00 33.7	+0.6
comp=E,9um,0.2s					DUB01	Friburgo-RJ	25.21 101	eP	P	20 57 00.3	+1.1							
PB09	IPOC Station P	2.70 182	20 52 29.8	+0.3	TAME	Tame, Arauca	25.49 354	eP	P	20 57 04.3	-0.7							
PB09	iP	S	20 53 02.2	+0.1	CAMC	Campos-RJ	25.86 101	eP	P	20 57 06.9	-1.3	555A	McAlpin	50.70 344	eP	P	21 00 35.4	+0.3
PB09	IAML		20 53 07.7		HELCL	Helena	25.89 245	eP	P	20 57 07.0	+0.9							
comp=N,4um,0.5s					PTBC	Puerto Berrío	26.00 348	eP	P	20 57 07.1	-2.4	555A	McAlpin	50.70 344	P	P	21 00 35.6	+0.6
PB07	IPOC Station P	2.73 195	20 52 29.7	-0.1	SJMB	Sao Joao De Ma	26.43 94	eP	P	20 57 13.1	-0.3	457A	Yulee	50.84 346	P	P	21 00 36.7	+0.6
PB07	iP	P	20 53 07.9		SJMB	SJMB	26.49 352	eS	P	21 01 39.9	+1.1	457A	Yulee	50.84 346	P	P	21 00 36.7	+0.6
comp=N,9um,0.9s					PAMC	Pamplona, Colo	26.49 352	eP	P	20 57 14.1	-0.3	554A	Perry	50.85 344	P	P	21 00 36.9	+0.7
LPAZ	La Paz	2.94 19	20 52 36.3	+3.4	BSFB	Barra de Sao F	26.73 94	eP	P	20 57 15.5	-0.6	456A	Hilliard	51.05 346	eP	P	21 00 37.9	+0.2
comp=N,122nm,0.3s,baz=203,slow=3.7,SNR=2234					BSFB	BSFB	26.73 94	eS	P	21 01 42.5	-1.1	456A	Hilliard	51.05 346	eP	P	21 01 07.5	+1.4
LPAZ	La Paz	2.94 19	20 52 36.2	+3.2	ALF01	Guaupari-ES	27.64 98	eP	P	20 57 16.9	+0.8	456A	Hilliard	51.05 346	eP	P	21 00 38.7	-1.7
LPAZ	La Paz	2.94 19	20 52 36.2	+3.2	ALF01	ALF01	27.64 98	eS	P	21 01 41.3	-2.3	456A	Hilliard	51.05 346	eP	P	21 01 07.5	+1.4
LPAZ	La Paz	2.94 19	20 52 36.4	+3.4	ZARC	Zaragoza, Cauc	27.00 347	eP	P	20 57 16.8	-1.7	456A	Hilliard	51.05 346	eP	P	21 00 38.7	-1.7
LPAZ	La Paz	2.94 19	20 52 36.4	+3.4	RIB01	Ribeirao	27.12 95	eP	P	20 57 19.8	+0.2	553A	Crawfordville	51.16 343	P	P	21 00 39.8	+1.4
LPAZ	La Paz	2.94 19	20 52 51.2	-1.7	RIB01	Ribeirao	27.12 95	eS	P	21 01 47.1	-2.5	455A	Stateville	51.31 345	P	P	21 00 40.2	+0.6
PB03	IPOC Station P	3.01 191	20 52 32.4	-1.1	PAYG	Puerto Ayora	27.66 309	eP	P	20 57 25.1	+0.6							
PB03	iP	P	20 52 32.6	-0.9	SDV	Santo Domingo	27.83 357	P	P	20 57 24.9	-1.1	BBSR	BB Station	51.34 5	eP	P	21 00 39.0	-0.7
PB03	IAML		20 53 07.2		SDV	Santo Domingo	27.83 357	P	P	20 57 25.0	-1.1	552A	Lynn Haven	51.35 342	P	P	21 00 40.7	+0.8
comp=E,3um,0.5s					SDV	Santo Domingo	27.83 357	eP	P	20 57 25.5	-0.6	454A	Quitman	51.44 344	P	P	21 00 41.3	+0.7
PB04	IPOC Station P	3.37 196	20 52 37.7	-0.6	SMC	Santa Marta de	28.13 350	eP	P	20 57 26.0	-2.5	357A	Towanda	51.60 346	P	P	21 00 42.2	+0.4
PB04	iP	P	20 53 06.1		MDP	Montenegro	28.00 36	eP	P	20 57 35.7	-0.6	356A	Blackshear	51.65 346	P	P	21 00 42.6	+0.5
PB04	IAML		20 53 37.6	-0.8	CODC	Agustin Codazz	29.15 351	eP	P	20 57 33.8	-3.8	453A	Whigham	51.76 343	eP	P	21 00 43.5	+0.6
comp=N,4um,0.7s					ARGC	Arguano, Magd	29.20 350	eP	P	20 57 37.1	-0.9	453A	Whigham	51.76 343	eP	P	21 00 43.6	+0.7
LVC	Limon Verde	3.52 177	20 52 41.1	+0.7	PCRV	Puerto La Cruz	29.41 9	eP	P	20 57 39.7	-0.2	453A	Whigham	51.76 343	P	P	21 00 43.5	+0.6
LVC	Limon Verde	3.52 177	20 52 41.1	+0.7	BCIP	Isla Barro Colo	29.99 338	eP	P	20 57 46.2	+1.3	355A	Pearson	51.84 345	P	P	21 00 44.2	+0.6
LVC	Limon Verde	3.52 177	20 52 41.1	+0.7	BCIP	Isla Barro Colo	29.99 338	eP	P	20 57 46.3	+1.3	451A	Vernon	51.94 342	eP	P	21 00 44.2	-0.1
LVC	Limon Verde	3.52 177	20 52 41.1	+0.7	BCIP	Isla Barro Colo	29.99 338	eP	P	20 57 46.3	+1.3	451A	Vernon	51.94 342	eP	P	21 00 44.9	+0.6
PB06	IPOC Station P	3.63 187	20 52 40.8	-1.0	GOIP	Cerro Castille	32.22 184	eP	P	20 58 05.2	+0.9	452A	Marianna	51.99 342	P	P	21 00 45.1	+0.4
PB05	IPOC Station P	3.88 195	20 52 43.7	-1.3	JTS	Las Juntas de	33.10 331	eP	P	20 58 12.2	+0.1	257A	Skidaway Island	52.03 347	P	P	21 00 43.8	-1.1
PB15	IPOC Station P	4.12 184	20 52 47.8	-0.5	JTS	Las Juntas de	33.10 331	eP	P	20 58 15.5	+3.2	257A	Skidaway Island	52.03 347	P	P	21 00 45.5	+0.6
YJA	Yavi	4.57 133	20 52 57.1	+2.5	BGGH	Gun Hill	33.38 17	eP	P	20 58 17.7	+0.9	TIGA	Tifton	52.12 344	eP	P	21 00 45.8	+0.2
YJA	Yavi	4.57 133	20 52 57.1	+2.5	EFI	East Falkland	33.67 168	eP	P	20 58 17.7	+0.9	TIGA	Tifton	52.12 344	eP	P	21 00 45.8	+0.2
comp=Z,197nm,0.6s					EFI	East Falkland	33.67 168	eP	P	20 58 18.4	+1.5	353A	Camilla	52.19 344	P	P	21 00 46.7	+0.5
PB10	IPOC Station P	4.61 197	20 52 52.4	-2.2	GO10	Punta Arenas	34.04 182	eP	P	20 58 19.2	-0.9	256A	Glennville	52.23 346	P	P	21 00 47.0	+0.6
HJA	Humahuaca	5.37 140	20 53 07.9	+2.6	ESFN	Las Esperanzas	34.49 333	eP	P	20 58 25.9	+1.6	255A	Hazlehurst	52.31 346	eP	P	21 00 47.1	+0.1
comp=Z,229nm,0.4s					DFD	Fort de France	34.51 14	eP	P	20 58 23.7	-0.8	255A	Hazlehurst	52.31 346	eP	P	21 00 47.5	+0.5
GO02	Mina Guanaco	6.07 184	20 53 12.9	-1.8	DFD	Fort de France	34.51 14	eP	P	20 58 23.7	-0.8	450A	Crestview	52.37 341	P	P	21 00 48.1	+0.7
AZAP	Zapla	6.36 144	20 53 20.0	+1.5	ACON	Acopaya	34.67 332	eP	P	20 58 27.4	+1.4	351A	Pinckard	52.51 342	P	P	21 00 49.2	+0.7
FSA	Cafayete	7.57 158	20 53 35.4	+0.5	RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	352A	Blakely	52.51 343	eP	P	21 00 48.7	+0.2
SIV	San Ignacio	8.27 69	20 53 43.6	-0.8	RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	352A	Blakely	52.51 343	eP	P	21 00 48.9	+0.4
comp=Z,33nm,0.3s,baz=260,slow=13,SNR=782					RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	449A	Face	52.52 340	P	P	21 00 49.0	+0.4
SIV	San Ignacio	8.27 69	20 53 43.6	-0.8	RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	254A	Abbeville	52.52 345	P	P	21 00 48.9	+0.3
comp=Z,342,slow=19,SNR=1.8					RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	158A	Hollywood	52.60 348	P	P	21 00 49.7	+0.6
SIV	San Ignacio	8.27 69	20 53 43.6	-0.8	RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	157A	Early Branch	52.71 347	P	P	21 00 50.5	+0.5
comp=Z,664nm,18.4s,baz=262,slow=42					RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	LNIG	Linares	52.76 325	eP	P	21 00 50.2	-0.3
AHML	Horco Molle	8.42 156	20 53 46.4	+0.1	RCBR	Riachuelo	34.93 72	eP	P	20 58 28.5	+0.2	LNIG	Linares	52.76 325	eP	P	21 00 50.2	-0.3
GO03	Copiapi	8.53 187	20 53 43.7	-4.1	USHA	Ushuaia	35.69 179	eP	P	20 58 33.9	-0.3	RGRS	Roger Stewart	52.77 348	eP	P	21 00 51.1	+0.6
LCO	Las Campanas	9.99 188	20 55 48.9	-9.1	ESTN	Estel	36.22 331	eP	P	20 58 40.2	+1.0	156A	Sylvania	52.79 347	P	P	21 00 51.1	+0.6
LCO	Las Campanas	9.99 188	20 55 48.9	-9.1	CSGN	Cosguina Volc	36.67 329	eP	P	20 58 43.5	+0.5	CSU	Charleston Sou	52.85 348	eP	P	21 00 51.3	+0.5
LCO	Las Campanas	9.99 188	20 54 11.8	+4.1	OBIP	Obispo Ponce	37.08 5	eP	P	20 58 45.4	-0.1	253A	Americus	52.85 344	eP	P	21 00 51.0	+0.1
LCO	Las Campanas	9.99 188	20 54 02.1	-5.6	SJG	San Juan	37.08 5	eP	P	20 58 45.4	-0.1	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
LCO	Las Campanas	9.99 188	20 55 46.9	-1.2	SJG	San Juan	37.08 5	eP	P	20 58 45.4	-0.1	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
NNA	Nana	10.25 312	20 54 08.3	-2.8	SJG	San Juan	37.08 5	eP	P	20 58 45.4	-0.1	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
comp=Z,4.4nm,0.3s,baz=164,slow=11,SNR=7.9					SJG	San Juan	37.08 5	eP	P	20 58 45.4	-0.1	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
NNA	Nana	10.25 312	20 55 54.8	-9.4	MJR	Maquez	37.11 3	eP	P	20 58 47.2	-0.4	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
comp=Z,8.8nm,0.3s,baz=210,slow=20,SNR=4.3					MJR	Maquez	37.11 3	eP	P	20 58 47.2	-0.4	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
NNA	Nana	10.25 312	20 54 08.5	-2.6	MTP	Monte Pirata	37.11 6	eP	P	20 58 44.5	-2.2	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
NNA	Nana	10.25 312	20 54 08.5	-2.6	MTP	Monte Pirata	37.11 6	eP	P	20 58 44.5	-2.2	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
GO04	Tololo Observa	11.15 188	20 54 17.9	-5.4	ANWB	Willy Go	37.23 12	eP	P	20 58 47.2	-0.4	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
CFA	Coronel Fontan	12.49 177	20 54 37.4	-3.6	ANWB	Willy Go	37.23 12	eP	P	20 58 47.2	-0.4	BRAL	Brewton	52.85 341	eP	P	21 00 51.1	+0.1
comp=Z,1.9nm,0.3s,baz=337,slow=18,SNR=12					ANWB	Willy Go	37.23 12</											

9d 20h

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like X60A Albert Glenn T, 149A Jones, 555A Saluda, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like X48A Hartselle, W51A Cleveland, V53A Saluda, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like JCT Junction City, R59A King George, V60A Leonardtown, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like R50A Paris, W39A Magazine, W39A Magazine, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like TUL1 Leonard, TUL1 Leonard, O51A Pataskala, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like TRY comp=Z,36nm,0.8s, L54A Sinclairville, MSTX Muleshoe, etc.

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like Eielson Array, HHC, HEVC, CD2, BILL, LZH, WMQ, MK32, MKAR, SUR, KURK, BVAR, ARU, FINES, OBN, KBZ, AKH, BR101, BRTR, BRTR, KOLS, DPC, VYHS, MODS, KHC, GERES, FUORN, TOR, TOA1, ESCD.

ISC/JB 09 23:28:39.0-0.5, 39.11N-02:29:08E:0.02, h6km, 4km, Error ellipse: s-maj=3.3km s-min=0.3km az=80.0

DDA 09 23:28:39.2, 39.13N-29:09E, h7km, 4km, ML3.5 ISK 09 23:28:39.4, 39.10N-29.10E, h9km, ML3.2/5.4

ISC 09 23:28:39.1-1.0, 39.11N-02:29:10E:0.02, h11km, gm, n75, <sigma>77/85, Turkey

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like GEDZ, USAK, KULA, DURS, MANT, KHAL, KHL, ORFL, GOMA, AKHS, AKS, BALB, STEP, AUKIR, IZI, SHUT, KCTY, BORA, BORY, BALLY, GEMT, ESMT, GONE, ARMT, YLV, BOLV, AYDB, SRCK, SRCK.

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like CIFT, EDC, HEVC, ISP, DKL, GULT, BUY, BLCB, HRK, SPNC, SAVU, MRMT, SVRH, AUSN, CTKS, ISK, AUMH, GCAM, YER, SILT, BCKT, URLA, MDUB, KLYT, RKY, KAVV, KIZT, EZN, TURD, TURN, CRLT, KORT, GELI, CTVL, ELL, BOZD, BOZT, LADK, KONT, ROM 09 23:42:21.0-0.1, 38.456N:0.006E:15.933E:0.005, h10km, ML1.3/2, Error ellipse: s-maj=0.7km s-min=0.3km az=355.0, Sicily

ROM 09 23:42:21.0-0.1, 38.456N:0.006E:15.933E:0.005, h10km, ML1.3/2, Error ellipse: s-maj=0.7km s-min=0.3km az=355.0, Sicily

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like JOPP, MSCL, MSRU, SOI, PLAC, PLNC, MPZ, MILZ, JOPP, MSCL, MSRU, SOI, PLAC, PLNC, MPZ, MILZ.

ISC/JB 09 23:58:14.6-0.3, 54.22S:0.05:7.3E:0.1, h10km, mb4.7/26, MS4.2/19, Error ellipse: s-maj=11.8km s-min=7.0km az=8.5

BUI 09 23:58:14.7-0.0, 54.30S:7.30E, h10km, MS4.9/2, MS7.4/6.1

NEIC 09 23:58:14.3-0.5, 54.17S:7.45E, h0km, mb4.6/16, Error ellipse: s-maj=17.4km s-min=10.8km az=49.0

NEIC 09 23:58:16.1-1.9, 54.28S:7.35E, h10km, 2km, mb4.7/18, Error ellipse: s-maj=17.4km s-min=10.8km az=49.0

GCMT 09 23:58:19.1-0.3, 54.14S:0.02:7.56E:0.06, h12km, MW5.0/81, Moment Tensor Solution. s17c11; Duration: 0 Moment tensor: Scale 10^18Nm; M1-3.20:12; M2-2.90:11; M3-0.30:11; Mw:0.58:10; Mw:1.7:6.1; Best double couple: Mo:4.334000*10^16 Np1:=255.00000; s68.00000; -1.109.00000; NP2: q1=119.00000; s21.00000; P1:0.00000; Principal axes: P1: 3.8650, Plg2:0.0000; Azm359.0000; N 0.9390, Plg18.0000; Azm262.0000; P -4.8030, Plg62.0000; Azm134.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 09 23:58:16.2-0.4, 54.23S:0.07:7.4E:0.1, h10km, n91, s101/75, mb4.8/26, MS4.2/20, 1C-1D, Bouvet Island region

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like VNA1, VNA2, VNA3, SYO, SUR, BOS, MAW, MAW, LBTB, TSUM, QSHA, GUSA, LSZ, CASY.

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like VVDA, VVDA, H10S2, H10S3, H10S1, PLCA, PLCA, CPUP, BDFB, BDFB, KMB0, DBIC, DBIC, TORO, TORO, TORO, TOA1, TOA1, TOA1, LPZA, LPZA, H10W2, H10W3, H10W1, PTGA, TAM, STKA, STKA, WSAR, ROSC, KEST, KEST, ASAR, AS31, WR1, WRA, ESDC, ESDC, BRTR, BRTR, BR101, ZBI, DMI, CLL, CLL, CLL, PPT2, FIAO, FINES, CD2, MK31, MKAR, WMQ, WMQ, LZH, LZH, LZH, LZH, ARAO, ARCES, ZALV, ZAA1, TXAR, SONAO, SONM, PD31, PDAR, FXWY, ELL, NVAR, WALA, ARCES, PINE, G06A, D08A, YKA, YKBS, DAWY, ILAR, HDA, CCB, DHY, BPWA.

NNC 10 00:15:40.7-3.2, 45.09N:80.07E, h0km, mb2.6, mpv2.5, Error ellipse: s-maj=29.9km s-min=20.3km az=103.0

SOME 10 00:15:38.8, 42.12N:81.33E, h0km, 2C, Northern

Table with columns: Code, Station Name, Az, Alt, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes stations like KINJANG, KTMS, KTMS, KTMS, KTMS, PDGK, PDGK, PDGK.

485

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Podgornoye, Uzynbulak, Saty, etc.

MAN 10 00:18:36.4,9.91N,123.20E,h1km,mb4.2,ML3.0,MS2.7, 1C-2D, Negros

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Sibulan, Lapu-Lapu, Jordan, etc.

UCR 10 00:19:09.1,2.1,8.48N-83.09W,h0km,5km,MW3.7, 1C-4D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Puerto Jimenez, San Vito, Volcan, etc.

IDC 10 00:25:30.5,6.5,5.55S,11.81W,h0km,mb3.5/4, mb1 3.6/4, mb1mx3.4/3, mbtmp3.5/4, MS3.5/1, Ms1 3.4/1, ms1mx2.9/2, Error ellipse: s-maj=193.8km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASCENSION HYDR, TORDI Ar. Bea, etc.

NIED 10 00:33:00.24,00N,122.60E,h26km,Mw3.9 Best double couple: M=9.34000,1014 NP1=293.00000,319.00000, 1.140.00000, NP2=62.00000,878.00000,1.75.00000, ISC/JB 10 00:33:07.0,0.3,23.88N,0.02,122.68E,0.01,h20km,2km, mb3.7/13, MS3.4/4, Error ellipse: s-maj=2.6km

TAP 10 00:33:07.0,23.94N,122.69E,h28km,ML4.1,D JMA 10 00:33:07.9,0.1,23.96N,122.64E,h29km,MS3.6, IDC 10 00:33:10.6,5.9,24.27N,123.01E,h57km,57km,mb3.5/13, mb1 3.6/14, mb1mx3.4/4, mbtmp3.8/14, ML3.4/1, MS3.2/6, Ms1 3.3/6, ms1mx2.9/37, Error ellipse: s-maj=45.4km s-min=16.2km az=67.0

ISC 10 00:33:05.7,1.0,23.94N,0.02,122.70E,0.02,h19km,3km, n131,01914/205,mb3.8/13,MS3.3/4,1D,Taiwan region

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

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Main table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NACB, EGS, ETLH, etc.

10d 0h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Zhushan, Sanyu, Miaoili, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BARS Barje, ZAPS Zavoj, PLG Polygyros, etc.

NEIC 10 02:23:33.2±1.8, 12.09Sx166.56E, h45km, 3km, mb3.9/10, Error ellipse: s-maj=14.0km s-min=12.0km az=50.0

ISCJB 10 02:23:37.1±0.5, 12.20Sx0.05s-166.25E:0.07, h83km, mb4.4/22, Error ellipse: s-maj=11.3km s-min=4.8km az=71.4

IDC 10 02:23:37.2±0.5, 12.13Sx166.46E, h68km, 30km, mb3.9/10, mb1.4/212, mb1mx3.9/39, mbtmp4.3/12, ML4.6/2, MS3.6/12, Ms1.3/6.12, ms1mx3.4/26, Error ellipse: s-maj=24.7km s-min=18.7km az=93.0

ISC 10 02:23:37.5±0.5, 12.13Sx0.06s-166.44E:0.08, h83km, n50, s-186/46, mb4.4/22, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

JMA 10 02:28:28.7, 38.73N, 141.97E, h56km, 1km, M3.5, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include JKMT Kesennumototy, OFUJ Ofunato, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include JOU Okura, JRG Rokugo, etc.

ISCJB 10 02:29:56.8±0.3, 38.17N:0.04s-135.38E:0.05, h366km, mb3.5/17, Error ellipse: s-maj=6.5km s-min=4.4km az=41.1

IDC 10 02:29:57.8±0.9, 38.11N:135.25E, h365km, 10km, mb3.3/17, mb1.3/4/23, mb1mx3.3/52, mbtmp4.0/23, Error ellipse: s-maj=13.3km s-min=10.8km az=69.0

JMA 10 02:29:57.4±0.2, 38.07N:135.54E, h378km, 3km, M3.4

ISC 10 02:29:57.3±0.5, 38.16N:0.06s-135.50E:0.06, h366km, n50, s-129/57, mb3.6/17, Sea of Japan

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JHG Hegura jima, JJK Hakui, etc.

ISCJB 10 02:52:40.2±0.2, 15.82Sx106.173:86W:0.06, h10km, mb4.5/99, MS3.3/4, Error ellipse: s-maj=9.7km s-min=6.0km az=44.2

IDC 10 02:52:40.3±0.6, 15.66Sx173:83W, h0km, mb4.5/12, mb1.4/8/13, mb1mx4.5/28, mbtmp4.5/13, ML3.8/1, MS3.1/3, Ms1.3/13, ms1mx2.8/18, Error ellipse: s-maj=28.7km s-min=16.6km az=139.0

NEIC 10 02:52:41.8±1.4, 15.77Sx173:86W, h10km, mb4.6/91, Error ellipse: s-maj=15.6km s-min=3.4km az=117.0

ISC 10 02:52:41.0±0.4, 15.75Sx173:80W:0.07, h10km, n162, s-115/127, mb4.6/99, MS3.4/4, IC, Tonga Islands

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AFI Afiamalu, NIUE Niue, etc.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TAOE Nuku Hiva Isla, EIDS Eidsvold, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Earthquake Lak, Boulder Array, Pinedale Array, Eielson Array, etc.

IGQ 10 03:12:35.9-0.5, 3.3-3.7, 8.7W, h10km, MLV3.6, Peru-Ecuador border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like COHC Cochacancy, PATI Pataccha, BPAT Tunghurahua Vol, etc.

WEL 10 03:31:17.2-1.3, 3.6S-6.7, 17.9E-1.2, h33km, M3.9/23, M.L4=2/21, MLV3.9/23, Error ellipse: s-maj=0.0km s-min=0.0km az=79.7, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WXZ WXZ, WMGZ Waiomatatini S, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PKGZ Pakihiroa, PUKZ Puketiti, RAUKZ Raukumara Rang, etc.

ISC/JB 10 03:39:04.0-1.7, 13.5N-0.1-89.93W-0.08, h63km, 17km, Error ellipse: s-maj=23.9km s-min=10.2km az=17.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SBLs San Blas, RTR El Retiro, SNJE San Jose, etc.

IDC 10 03:59:35.0-1.8, 16.17N-119.98E, h0km, mb3.7/4, mb1 4.0/4, mb1mx3.5/44, mbtmp3.7/4, Error ellipse: s-maj=80.7km s-min=23.0km az=53.0, Luzon

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

ISC/JB 10 04:00:21.3-1.2, 4.8S-0.1-145.6E-0.1, h35km, mb3.9/3, Error ellipse: s-maj=24.3km s-min=7.7km az=139.2

IDC 10 04:00:25.2-2.8, 5.06S-145.16E, h66km, 26km, mb3.6/3, mb1 4.0/6, mb1mx3.5/35, mbtmp4.0/6, Error ellipse: s-maj=31.5km s-min=17.8km az=53.0

ISC 10 04:00:23.4-1.1, 4.95S-0.1-145.4E-0.1, h35km, n9, c318/10, mb3.9/3, Near north coast of New Guinea

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

DJA 10 04:26:41.2-0.6, 4.3S-3.7, 10.0E-1.1, h54km=11km, M3.6/7, MLV3.6/7, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PPSI Pulau Pagai, KRJI Kerinci, SISI Saibi, etc.

ISC/JB 10 04:31:12.3-0.3, 3.1N-96S-0.03-179.52E-0.07, h35km, mb4.3/7, Error ellipse: s-maj=7.8km s-min=3.4km az=9.2

IDC 10 04:31:12.5-2.0, 3.2N-115.179-92E, h354km, 19km, mb4.0/9, mb1 4.2/12, mb1mx3.7/45, mbtmp4.7/12, Error ellipse: s-maj=20.8km s-min=17.4km az=10.0

NEIC 10 04:31:14.0-2.3, 3.2N-105.179-66E, h369km, 6km, mb4.3/30, Error ellipse: s-maj=18.2km s-min=13.8km az=107.0

WEL 10 04:31:14.6-1.1, 3.2N-177.9W-1.5, h232km, 21km, M5.0/18, mB5.1/6, MLV5.3/18, MW(mB)4.4/6, Error Ellipse: s-maj=0.0km s-min=0.0km az=107.8

ISC 10 04:31:12.5-0.4, 3.2N01S-0.04-179.76E-0.07, h350km, n177, c1587/181, mb4.3/35, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PUKZ Puketiti, RAUKZ Raukumara Rang, RAUKZ Raukumara Rang, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PPSI Pulau Pagai, KRJI Kerinci, SISI Saibi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MXZ Matakaoa Point, WXZ WXZ, WMGZ Waiomatatini S, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 10 04:37:31.1±0.6, 29°57'S±111°6'W±0.2, h10km, mb4.3/17, MS3.8/3, Error ellipse: s-maj=22.0km s-min=11.9km az=175.8

IDC 10 04:37:31.4±1.0, 29°28'S±111°9'W±0.2, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.9/35, mbtmp3.9/6, MS3.6/4, Ms1 3.6/4, ms1mx3.1/28, Error ellipse: s-maj=36.0km s-min=29.2km az=29.0

NEIC 10 04:37:32.1±7.2, 29°60'S±111°53'W±10km±2km, mb5.5/13, Error ellipse: s-maj=26.1km s-min=10.8km az=104.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

DJA 10 04:43:59.0±0.3, 1°N±4.12°E±1.4, h49km±12km, M4.0/13, mb4.8/1, mb5.4/1, MLV3.6/13, Mw(mb)4.9/1, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

UCR 10 04:46:02.7±2.5, 9°09'N-84°09'W, h0km±4km, MW3.8, 1C-4D, Costa Rica

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ARE 10 04:49:44.0±0.0, 16°79'S±71°53'W±45km, IDC 10 04:49:49.8±1.3, 17°07'S±71°29'W±h0km, mb4.1/3, mb1 4.0/9, mb1mx3.8/37, mbtmp4.0/9, ML3.6/6, MS2.1/1, Ms1 2.2/1, ms1mx2.1/25, Error ellipse: s-maj=24.3km s-min=18.8km az=15.0

NEIC 10 04:49:52.3±3.0, 17°09'S±71°58'W±h33km±8km, mb4.4/3, ML4.1(ARE), Error ellipse: s-maj=16.8km s-min=5.2km az=129.0

NEIC Feb [III] at Arequipa and Mollendo. ISC 10 04:49:54.5±0.7, 17°15'S±71°51'W±0°07', h40km, n40, ±232/64, mb4.2/4, Near coast of Peru

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 10 04:53:55.6±0.4, 24°85'N±102°122'08'E±0°02', h95km±3km, Error ellipse: s-maj=4.2km s-min=2.7km az=165.5

JMA 10 04:53:55.4±0.1, 24°76'N±122°07'E±h93km±2km, M2.7

TAP 10 04:53:56.1, 24°87'N±122°05'E±h93km, ML3.7/B

ISC 10 04:53:55.4±1.4, 24°86'N±102°122'08'E±0°03', h98km±6km, n83, ±980/147, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

10d 5h

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like OHAK, TURI, AAI, DHUB, etc.

2013 JUL

Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like BATI, DSRI, DHRM, etc.

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Table with columns: Station, Name, Frequency, Power, Class, and other technical details. Includes stations like LPSR, FINES, MORB, etc.

BOZ	Bozeman (W)	72.77	45	P	P	05 33 35.6 +1.3
OSL	Oslo	72.86	337	eP	P	05 33 34.4 +0.1
SKAR	Skarsfjella	72.98	338	eP	P	05 33 35.8 +0.6
HYA	Hyang	73.18	339	eP	P	05 33 36.1 -0.1
SJUD	Kangerlussuaq	73.27	5	eP	P	05 33 37.2 +0.6
SJUD	Kangerlussuaq	73.27	5	eP	P	05 33 37.2 +0.6
SFJD	Kangerlussuaq	73.27	5	eP	P	05 33 36.7 0.0
NVAR	Mina Array Bea	73.32	54	P	P	05 33 39.4 +1.6
NVAR	Mina Array Bea	73.32	54	P	P	05 59 31.1
MLAC	Mammoth, Mammoth	73.47	55	P	P	05 33 40.6 +1.9
VOG	Valley Oaks Gs	73.92	56	P	P	05 33 41.9 +0.9
ASK	Askoy	74.02	339	eP	P	05 33 41.3 +0.2
ODDI	Odda	74.09	338	eP	P	05 33 42.2 +0.5
H17A	Grant Village	74.12	45	P	P	05 33 45.5 +3.1
SMMC	Simmler	74.13	57	P	P	05 33 44.2 +1.8
TIN	Tinemeha, Big	74.20	55	P	P	05 33 44.3 +1.5
RLMT	Red Lake	74.35	44	P	P	05 33 44.9 +1.2
YES	Vestal, Richgr	74.40	56	P	P	05 33 44.4 +0.6
PKM	McPherson Peak	74.51	58	P	P	05 33 46.1 +1.4
BLSS	Blasio	74.55	338	eP	P	05 33 44.7 +0.4
HORU	Horodok	74.66	322	eP	P	05 33 45.7 +0.6
GRWC	Cottonwood Cre	74.67	55	P	P	05 33 46.9 +1.2
CWAC	Grapevine Rang	74.78	55	P	P	05 33 47.8 +1.7
ISA	Isabella, Lake	74.90	56	P	P	05 33 47.1 +0.3
LAO	LASA Array	74.91	41	P	P	05 33 47.8 +1.1
ARVC	Arvin	75.00	57	P	P	05 33 48.2 +0.8
R11A	Troy Canyon, C	75.05	53	P	P	05 33 49.2 +1.4
DIKM	Dikmen	75.05	312	iP	P	05 33 49.2 +1.7
SMART	Snatemo	75.22	337	eP	P	05 33 48.9 +0.8
MPMC	Manual Prospec	75.28	55	P	P	05 33 50.4 +1.2
LVV	L'vov	75.36	324	eP	P	05 33 49.8 +0.7
FURC	Furnace Creek,	75.43	55	P	P	05 33 51.3 +1.5
BLG	Laguna Peak, P	75.47	58	P	P	05 33 50.9 +0.8
TPNV	Topopah Spring	75.51	54	P	P	05 33 51.9 +1.5
LRMC	Laurel Mtn Rad	75.52	56	P	P	05 33 51.4 +0.9
DRUG	Dugway, Tooele	75.54	50	P	P	05 33 52.1 +1.5
BZK	Bozkurt	75.56	313	iP	P	05 33 51.1 +0.7
EDW3	Edwards Air Fo	75.59	57	P	P	05 33 52.7 +1.3
BW06	Boulder Array	75.74	46	P	P	05 33 52.6 +0.8
PDAR	Pinedale Array	75.74	46	P	P	05 33 52.5 +0.8
PDAR	Pinedale Array	75.74	46	P	P	05 34 14.8 +2.0
DECC	Green Verdugo	75.86	57	P	P	05 33 53.5 +1.2
KWP	Kaiwarua Pacla	76.09	324	eP	P	05 33 54.2 +0.9
KWP	Kaiwarua Pacla	76.09	324	eP	P	05 33 54.2 +0.9
SHOC	Shoshone, Teco	76.15	55	P	P	05 33 55.2 +1.2
GSC	Goldstone, Bar	76.19	56	P	P	05 33 55.5 +1.2
BFSC	Mount Baldy Ra	76.31	57	P	P	05 33 55.9 +0.9
RRX	Edison Barstow	76.33	56	P	P	05 33 55.5 +1.5
BURAR	Bucovina Array	76.35	321	iP	P	05 33 56.8 +0.8
BURAR	Bucovina Array	76.35	321	iP	P	05 33 55.7 +0.8
BIZ	Bicaz	76.40	320	iP	P	05 33 56.1 +1.0
SC12	San Clemente I	76.51	58	P	P	05 33 57.2 +1.2
CFR	Carcaiu	76.59	318	iP	P	05 33 57.0 +0.8
TUQ	Turquoise Moun	76.67	55	P	P	05 33 58.4 +1.4
HEC	Hector, Ludlow	76.79	56	P	P	05 33 59.0 +1.3
KOLS	Kolonickie sedl	76.79	324	eP	P	05 33 58.2 +0.9
KOLS	Kolonickie sedl	76.79	324	eP	P	05 33 58.2 +0.9
KOLS	Kolonickie sedl	76.79	324	eP	P	05 33 58.2 +0.9
VRI	Vrincioia	76.83	319	iP	P	05 33 58.9 +1.2
PLOR	Plostina	76.88	319	iP	P	05 33 58.9 +1.0
KIRR	Tirgusor	76.94	317	iP	P	05 33 58.4 +0.2
OJC	Ojcow	76.95	326	eP	P	05 33 58.7 +0.5
OJC	Ojcow	76.95	326	eP	P	05 33 58.7 +0.5
UZH	Uzhgorod	77.00	324	eP	P	05 34 18.3
UZH	Uzhgorod	77.00	324	eP	P	05 34 26.0
MURC	Murrieta	77.01	57	P	P	05 33 59.5 +0.7
TRU	Topalu	77.05	318	iP	P	05 33 59.9 +1.1
TRSU	Trosnyk	77.08	323	eP	P	05 33 59.2 +0.3
OZUR	Ozursk	77.14	320	iP	P	05 34 00.9 +1.5
BRTR	Keskin Array B	77.23	311	P	P	05 34 00.3 +0.2
BRTR	Keskin Array B	77.23	311	P	P	05 34 21.2 -0.1
BRTR	Keskin Array B	77.23	311	P	P	06 13 14.1
ULM	Lac du Bonnet	77.24	34	P	P	05 33 59.7 -0.1
ULM	Lac du Bonnet	77.24	34	P	P	06 10 48.3
GMRC	Granite Mounta	77.25	55	P	P	05 34 01.5 +1.2
NIE	Niedzica	77.33	325	eP	P	05 34 01.2 +0.9
NIE	Niedzica	77.33	325	eP	P	05 34 01.2 +0.9
MDND	Maddock	77.33	37	P	P	05 34 00.9 +0.5
Q16A	Castle Valley	77.34	50	eP	P	05 34 02.0 +1.2
DOPRA	Dopca	77.43	320	iP	P	05 34 02.6 +1.6
PFO	Pinyon Flats 0	77.47	57	eP	P	05 34 02.9 +1.4
PFO	Pinyon Flats 0	77.47	57	eP	P	05 34 02.2 +0.7
K22A	Casper	77.48	45	P	P	05 34 02.2 +0.8
MLR	Muntele Rosu	77.49	319	eP	P	05 34 02.2 +0.8
MLR	Muntele Rosu	77.49	319	eP	P	05 34 03.2 +1.8
MLR	Muntele Rosu	77.49	319	eP	P	05 34 02.2 +0.8
109C	Camp Elliot, M	77.51	58	P	P	05 34 02.5 +0.9
BELC	Belle Mtn. Jios	77.53	56	P	P	05 34 02.5 +0.6
SRU	San Rafael Sive	77.59	49	eP	P	05 34 03.8 +1.6
RSSD	Black Hills	77.79	42	eP	P	05 34 03.8 +0.5
RSSD	Black Hills	77.79	42	eP	P	05 34 03.8 +0.5
RSSD	Black Hills	77.79	42	eP	P	05 34 03.8 +0.5
RSSD	Black Hills	77.79	42	eP	P	05 34 03.5 +0.2
LANS	Lipitovska Anna	77.89	325	eP	P	05 34 05.3 +1.8
LANS	Lipitovska Anna	77.89	325	eP	P	05 34 05.3 +1.8
NEE2	Needles Airpor	77.92	55	P	P	05 34 04.7 +0.8
MONP2	Monument Peak	77.95	57	P	P	05 34 05.2 +0.8
KSP	Ksiaz	77.96	328	eP	P	05 34 04.3 +0.6
KSP	Ksiaz	77.96	328	eP	P	05 34 04.3 +0.6
IRM	Iron Mountain	77.97	56	P	P	05 34 05.5 +1.3
VOIR	Iron Mountain	77.97	320	iP	P	05 34 05.2 +1.1

BC3	Big Chuckawall	78.09	56	P	P	05 34 06.0 +1.1
OSTC	Ostas	78.21	328	eP	P	05 34 06.5 +1.3
O2AO	White River Ci	78.22	47	P	P	05 34 27.2
MORC	Moravsky Berou	78.25	327	iP	P	05 34 06.6 +1.1
MORC	Moravsky Berou	78.25	327	iP	P	05 34 06.1 +0.6
MORC	Moravsky Berou	78.25	327	eP	P	05 34 05.9 +0.4
MORC	Moravsky Berou	78.25	327	eP	P	05 34 27.2 +0.4
CHVC	Chvalec	78.25	328	eP	P	05 34 06.2 +0.7
IKP	In-Ko-Pac, Jac	78.31	57	P	P	05 34 07.4 +1.2
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 06.7 +0.8
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 06.9
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 06.7 +0.8
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 28.1 +0.9
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 36.9 +0.9
DPC	Dobruska-Polom	78.32	328	eP	P	05 34 07.0 +0.9
SWSC	Sam W. Stewart	78.32	57	P	P	05 34 06.4 +0.6
UPC	Udice	78.33	328	eP	P	05 34 27.6
UPC	Udice	78.33	328	eP	P	05 34 06.4 +0.6
UPC	Udice	78.33	328	eP	P	05 34 27.6 +0.4
UPC	Udice	78.33	328	eP	P	05 34 08.4 +1.3
PDMDI	Parker Dam, Lak	78.52	55	P	P	05 34 08.1 +0.6
LOT	Lotru	78.60	321	iP	P	05 34 08.5 +0.9
PSZ	Piszkesteto	78.62	324	iP	P	05 34 08.1 -1.5
PSZ	Piszkesteto	78.62	324	iP	P	05 34 06.9 -0.8
Y12C	Blythe	78.63	56	eP	P	05 34 32.7 +3.7
Y12C	Blythe	78.63	56	eP	P	05 34 09.2 +1.4
Y12C	Blythe	78.63	56	eP	P	05 34 08.4 +0.7
YHHS	Yhne	78.66	325	eP	P	05 34 29.9
YHHS	Yhne	78.66	325	eP	P	05 34 08.4 +0.7
YHHS	Yhne	78.66	325	eP	P	05 34 29.9 +0.8
YHHS	Yhne	78.66	325	eP	P	05 34 07.5 -0.4
AGIM	Agassiz Nation	78.71	35	P	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 37 02.4 -5.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329	iP	P	05 34 30.3 +0.1
BRG	Berggiesshubel	78.88	329	iP	P	05 34 39.4 +0.4
BRG	Berggiesshubel	78.88	329	iP	P	05 34 09.0 +0.2
BRG	Berggiesshubel	78.88	329			

DAVA	Damuls	83.35	329	iPcP	P	05 34 33.5	+0.6
DAVA	comp-Z,22nm,0.9s,SNR=9.5			iPp	pP	05 34 55.3	+0.9
CDF	Champ du Feu	83.42	331	eP	P	05 34 32.4	-0.7
CDF	comp-Z,14nm,0.9s						
G40A	Rib Lake	83.52	34	P	P	05 34 33.4	-0.2
STRD	Stroud	83.62	338	eP	P	05 34 34.2	+0.3
STRD	comp-Z,54nm,0.8s			IAMB	IAMB	05 34 35.0	
121A	Cookes Peak, D	83.65	53	P	P	05 34 36.4	+1.7
MCH1	Michaelchurch	83.66	339	eP	IAMB	05 34 34.6	+0.6
MCH1	comp-Z,21nm,0.7s			IAMB	IAMB	05 34 35.1	
MONM	Monmouth	83.74	339	eP	IAMB	05 34 35.1	+0.6
MONM	comp-Z,13nm,0.7s			IAMB	IAMB	05 34 36.4	
DAVOX	Davos/Dischmat	83.76	329	LR	LR	06 14 25.0	
CBKS	Cedar Bluff	83.83	44	P	P	05 34 35.2	-0.2
E43A	Lone Tree Farm	83.97	31	P	P	05 34 35.5	-0.3
F42A	Maple Grove Fa	84.00	32	P	P	05 34 35.5	-0.5
HINF	Hinterfall	84.08	331	eP	P	05 34 37.2	+0.8
HINF	comp-Z,3.0nm,0.6s						
URZ	Urewera	84.10	153	pP	pP	05 34 57.4	-0.5
HAU	Haudompre	84.10	332	eP	P	05 34 35.5	-1.0
HAU	comp-Z,9.0nm,0.8s						
RSBS	Rosebush, Pemb	84.17	340	eP	IAMB	05 34 36.5	-0.2
RSBS	comp-Z,5.6nm,0.9s			IAMB	IAMB	05 34 37.3	
E41A	Grand Marais A	84.20	31	P	P	05 34 37.1	+0.1
TUE	Stuetta	84.23	329	eP	P	05 34 36.9	-0.5
TUE	comp-Z,13nm,0.7s,slow=6.1,SNR=3.7			eP	pP	05 34 59.8	+0.7
MATO	Matagami	84.29	24	P	P	05 34 38.0	-0.4
I41A	Arkdale	84.62	35	P	P	05 34 38.7	-0.4
D46A	Sault St. Mari	84.70	29	P	P	05 34 39.0	-0.5
SCIA	State Center	84.79	38	P	P	05 34 40.4	+0.4
D47A	Chapleau	84.92	29	P	P	05 34 40.1	-0.5
HTL	Hardland	84.97	339	eP	P	05 34 41.4	+0.7
E46A	Sault Ste Mari	85.04	30	P	P	05 34 40.8	-0.4
PMOR	Pomarioleo Ree	85.10	114	eT	T	07 08 08.2	
F45A	CMU Biological	85.13	31	P	P	05 34 41.5	-0.1
I42A	Draeger Farm,	85.17	34	eP	P	05 34 40.8	-1.1
I42A	comp-Z,24nm,0.8s			P	P	05 34 41.8	-0.1
H43A	Windswept, Lux	85.19	33	P	P	05 34 42.4	+0.4
KSU1	Kansas State U	85.25	42	P	P	05 34 42.2	-0.2
D48A	Paudash Townsh	85.29	28	P	P	05 34 41.7	-0.8
LSQO	Lebel-sur-Quev	85.31	24	P	P	05 34 42.2	-0.3
E47A	Iron Bridge	85.36	29	P	P	05 34 42.3	-0.4
CHGO	Chibougamau	85.36	22	P	P	05 34 42.0	-0.7
JFWS	Jewell Farm	85.36	35	P	P	05 34 42.5	-0.4
CABF	La Chapelle	85.37	331	eP	P	05 34 42.1	-0.9
CABF	comp-Z,19nm,1.3s						
D49A	Beulah Townsh	85.37	28	P	P	05 34 42.3	-0.6
L40A	Anamoc	85.60	37	P	P	05 34 43.8	-0.3
G45A	Suttons Bay	85.60	31	P	P	05 34 43.9	-0.1
AMTX	Amarillo	85.61	47	P	P	05 34 45.1	+0.6
LOR	Lormes	85.62	333	eP	P	05 34 43.3	-0.8
LOR	comp-Z,33nm,1.0s						
MSTX	Muleshoe	85.64	49	P	P	05 34 44.8	+0.2
G46A	Potoskey	85.69	31	P	P	05 34 44.7	+0.2
PPT2	Papeete2	85.69	117	eLR	LR	06 01 48.7	
PPT2	comp-Z,17nm,27.0s			eT	T	07 09 00.2	
MNTX	Cornudas Mount	85.70	52	P	P	05 34 45.7	+0.9
PAE	Paea	85.74	117	eT	T	07 09 04.2	
E48A	Lockeyer	85.75	29	P	P	05 34 44.2	-0.5
FLN	La Foliniere	85.78	336	eP	P	05 34 43.9	-0.9
FLN	comp-Z,25nm,1.1s						
H45A	Beulah	85.79	32	P	P	05 34 45.1	+0.1
LDF	La Druitiere	85.82	336	eP	P	05 34 44.0	-1.0
LDF	comp-Z,15nm,1.0s						
TIAR	Tiare	85.83	117	eT	T	07 09 05.5	
SSF	Saint Sauleg	85.93	333	eP	P	05 34 44.9	-0.7
SSF	comp-Z,13nm,0.3s						
LPL	La Plagne	86.04	330	eP	P	05 34 45.8	-0.7
LPL	comp-Z,20nm,1.0s						
TVO	Taravao	86.05	117	eT	T	07 09 11.1	
LPG	La Plagne	86.05	330	eP	P	05 34 45.9	-0.7
LPG	comp-Z,17nm,0.8s						
F48A	Evansville	86.13	29	P	P	05 34 46.3	-0.3
SMF	Signal de Mont	86.16	332	eP	P	05 34 46.1	-0.7
SMF	comp-Z,24nm,1.2s						
I45A	Fountain	86.19	32	P	P	05 34 47.2	+0.2
GLMI	Graying	86.19	31	P	P	05 34 47.5	+0.5
H46A	Fife Lake	86.20	31	P	P	05 34 47.2	+0.2
G47A	Hilman	86.20	30	P	P	05 34 47.1	+0.1
AVF	Avril sur Loir	86.21	333	eP	P	05 34 46.4	-0.6
AVF	comp-Z,25nm,0.8s						
D51A	Lot 18 Range I	86.23	27	P	P	05 34 46.4	-0.7
GRR	Gorron	86.23	336	eP	P	05 34 46.5	-0.6
GRR	comp-Z,27nm,1.0s						
E50A	Wahnapiate	86.32	28	P	P	05 34 47.2	-0.3
L42A	Oliver, Polo	86.35	36	P	P	05 34 47.2	-0.5
N40A	Mertquale, Sal	86.35	37	P	P	05 34 48.1	+0.3
K43A	Burlington	86.38	34	P	P	05 34 47.6	-0.3
F49A	Sandfield	86.40	29	P	P	05 34 47.6	-0.4
M41A	Milan	86.45	37	P	P	05 34 48.2	0.0
BNI	Bardonecchia	86.45	330	eP	P	05 34 48.3	-0.1
BNI	comp-Z,8.0nm,0.9s						
BNI	Bardonecchia	86.45	330	eP	P	05 34 48.3	-0.1
BNI	comp-Z,8.0nm,0.9s						
H47A	Mio	86.55	31	P	P	05 34 49.1	+0.4

I46A	Reed City	86.59	32	P	P	05 34 49.3	+0.3
BGF	Bois d'Agland	86.59	333	eP	P	05 34 48.2	-0.7
BGF	comp-Z,5.0nm,0.6s						
D52A	ZEK Kipawa Sen	86.66	26	P	P	05 34 48.7	-0.5
E51A	G1948 Merrick	86.67	27	P	P	05 34 48.7	-0.6
TAOE	Nuku Hiva Isla	86.67	104	eLR	LR	06 02 22.2	
TAOE	comp-Z,231nm,28.3s						
TAOE	Nuku Hiva Isla	86.67	104	eT	T	07 10 20.0	
MBDF	Montbardon	86.69	330	eP	P	05 34 48.0	-1.6
MBDF	comp-Z,5.0nm,0.7s						
H48A	Harrisville	86.81	30	P	P	05 34 50.0	0.0
D53A	Lac Vavie, Po	86.81	26	eP	P	05 34 49.0	-0.9
D53A	comp-Z,19nm,0.8s						
D53A	Lac Vavie, Po	86.81	26	eP	pP	05 35 12.7	+1.1
D53A	comp-Z,331,SNR=10.0					05 34 49.6	-0.3
N41A	Harden Midland	86.83	37	P	P	05 34 50.2	0.0
ORIF	Oris-en-Rattie	86.87	330	eP	P	05 34 53.8	+3.4
ORIF	comp-Z,4.0nm,0.9s						
I47A	Gladwin	86.91	31	P	P	05 34 50.8	+0.3
MEH	Mehetia	86.93	116	eT	T	07 10 33.3	
L44A	Lafayette	86.99	34	P	P	05 34 50.9	0.0
J46A	Howard City	87.00	32	P	P	05 34 51.4	+0.5
ROSF	Roostrenen	87.02	337	eP	P	05 34 50.6	-0.3
ROSF	comp-Z,54nm,1.2s						
E41A	Arnstein	87.04	28	P	P	05 34 50.6	-0.5
TCF	Toulu Ste Croi	87.05	333	eP	P	05 34 50.7	-0.4
TCF	comp-Z,16nm,1.1s						
TOBO	Tobermory, Bru	87.05	29	P	P	05 34 51.0	-0.1
SSB	Saint Sauveur	87.07	331	eP	P	05 34 50.3	-1.0
SSB	comp-Z,326,SNR=8.2					05 35 13.2	+0.1
SSB	Saint Sauveur	87.07	331	eP	pP	05 34 50.3	-1.0
SSB	comp-Z,331,SNR=6.0					05 35 13.2	+0.1
I48A	Sherman Twp	87.09	31	P	pP	05 34 51.4	+0.1
D54A	Lac Fusel, La	87.09	25	P	P	05 34 50.8	-0.5
M43A	Waltham Townsh	87.12	36	P	P	05 34 51.6	0.0
SBF	Sospel	87.14	329	eP	P	05 34 51.0	-0.7
SBF	comp-Z,5.0nm,0.6s						
E52A	Mattawa	87.17	27	P	P	05 34 51.1	-0.6
WMOK	Wichita Mounta	87.25	46	P	P	05 34 53.0	+0.2
F52A	Sundridge	87.36	27	P	P	05 34 52.5	-0.2
VIVF	Saint-Julien-I	87.38	331	eP	P	05 34 53.1	+0.3
VIVF	comp-Z,5.0nm,1.1s						
KLBO	Killbear Provi	87.42	28	P	P	05 34 52.8	-0.1
N43A	Stutzman Famil	87.42	36	P	P	05 34 53.1	+0.1
J47A	Summer	87.43	32	eP	P	05 34 53.8	+0.8
J47A	comp-Z,34nm,0.9s						
J47A	Dumoine, Ponti	87.43	26	P	P	05 34 52.6	+0.6
K46A	Dor	87.48	33	P	P	05 34 53.3	0.0
E54A	Lac Daplat, Po	87.55	26	P	P	05 34 53.1	-0.4
M44A	Midewin, Midew	87.57	35	P	P	05 34 53.7	0.0
MFF	Saint Martin d	87.57	335	eP	P	05 34 53.4	-0.2
MFF	comp-Z,29nm,1.0s						
I49A	Point Hope	87.64	30	P	P	05 34 54.4	+0.5
BUKO	Buck Lake	87.64	28	P	P	05 34 53.7	-0.3
ALGO	Algonquin Park	87.67	26	P	P	05 34 53.5	-0.6
HDIL	Hopedale	87.67	36	P	P	05 34 54.4	+0.2
BMRO	Meriville Lake	87.70	29	P	P	05 34 54.5	+0.3
J48A	Bridge Port	87.80	31	P	P	05 34 55.5	+0.8
L46A	Eue Claire	87.82	34	P	P	05 34 55.0	+0.1
K47A	Vermontville	87.82	32	P	P	05 34 54.9	0.0
BRCO	Bruce Peninsul	87.92	29	P	P	05 34 55.4	+0.1
LMR	La Moure	87					

R48A	Northridge Ran	90.97	35	P	P	05 35 10.0 +0.3
ETSF	Etsaut	90.97	333	eP	P	05 35 10.4 +0.7
ETSF	comp=2.4,0nm,0.8s				pmax	pmax
PKME	Peaks-Kenny Pk	91.03	21	P	P	05 35 10.3 +0.5
N53A	Lisbon	91.08	31	P	P	05 35 10.7 +0.5
T46A	Princeton	91.15	37	P	P	05 35 11.2 +0.7
S47A	Hartford	91.17	36	P	P	05 35 10.9 +0.2
LBNH	Lisbon	91.19	23	P	P	05 35 11.3 +0.7
O52A	Adamsville	91.26	32	P	P	05 35 11.1 +0.1
N54A	Moraine State	91.28	30	P	P	05 35 11.4 +0.3
P51A	Williamsport	91.29	33	P	P	05 35 11.1 0.0
M55A	Ridgway	91.31	29	P	P	05 35 11.8 +0.6
R49A	Shelbyville	91.37	35	P	P	05 35 11.9 +0.3
O53A	New Philadelphia	91.40	31	P	P	05 35 12.0 +0.3
Q50A	Georgetown	91.43	34	P	P	05 35 11.8 0.0
S48A	Wiedeman Farm	91.49	36	P	P	05 35 12.5 +0.3
M56A	Corning	91.51	29	P	P	05 35 12.5 +0.3
P52A	Eporus	91.55	32	P	P	05 35 12.1 -0.3
Q51A	Peebles	91.55	33	P	P	05 35 12.8 +0.4
T47A	Sharon Grove	91.56	37	P	P	05 35 12.9 +0.5
BINY	Binghamton	91.68	27	P	P	05 35 13.2 +0.2
Z41A	Richland Creek	91.70	43	P	P	05 35 13.4 +0.3
X43A	Marvell	91.70	41	P	P	05 35 13.7 +0.5
833A	Chaparral WMA	91.72	50	P	P	05 35 14.2 +0.8
S49A	Springfield	91.73	35	P	P	05 35 13.5 +0.2
R50A	Paris	91.75	34	P	P	05 35 13.1 -0.3
T48A	Bowling Green	91.79	36	P	P	05 35 13.7 +0.2
O54A	Avella	91.79	31	P	P	05 35 14.0 +0.5
N55A	Marion Center	91.82	30	P	P	05 35 13.9 +0.3
WVT	Waverly	91.92	38	eP	P	05 35 14.7 +0.6
WVT	comp=2.7,7m,0.8s					
WVT	comp=2.8,0nm,0.8s					
WVT	Waverly	91.92	38	P	P	05 35 14.3 +0.2
U47A	Clarksville	91.92	37	P	P	05 35 14.5 +0.3
N56A	West Decatur	91.96	29	P	P	05 35 14.6 +0.3
P53A	Whipple	91.98	32	P	P	05 35 14.4 +0.1
V46A	Holladay	92.04	38	P	P	05 35 14.7 0.0
R51A	Hillsboro	92.06	34	P	P	05 35 14.9 +0.2
Q52A	Bidwell	92.06	33	P	P	05 35 14.8 +0.1
T49A	Edmonton	92.19	36	P	P	05 35 15.7 +0.3
U48A	Cassie Pea, Po	92.21	37	P	P	05 35 15.7 +0.2
S50A	Richmond	92.22	35	P	P	05 35 15.7 +0.2
P54A	Burton	92.25	31	P	P	05 35 16.1 +0.4
V47A	Nunnely	92.31	38	P	P	05 35 16.1 +0.2
SSPA	Standing Stone	92.36	29	P	P	05 35 16.5 +0.4
N57A	Miroy	92.38	29	P	P	05 35 16.6 +0.4
O56A	Blue Knob Stat	92.42	30	P	P	05 35 16.7 +0.2
R52A	Cattlettsburg	92.43	33	P	P	05 35 16.7 +0.3
OXF	Oxford	92.45	40	P	P	05 35 16.7 +0.1
MCWV	Mont Chateau	92.45	31	P	P	05 35 16.8 +0.3
M59A	Waymart	92.45	27	P	P	05 35 16.6 +0.1
Q53A	Leroy	92.45	32	P	P	05 35 16.7 +0.2
W46A	Michie	92.45	39	P	P	05 35 16.4 -0.2
U49A	Red Boiling Sp	92.56	36	P	P	05 35 17.2 +0.1
T50A	Nancy	92.57	35	P	P	05 35 17.2 +0.1
P55A	Reedsville	92.59	31	P	P	05 35 17.6 +0.3
S51A	Beattyville	92.60	34	P	P	05 35 17.5 +0.2
Q54A	Coxs Mills	92.63	32	P	P	05 35 17.9 +0.5
V48A	Smith Brothers	92.71	38	P	P	05 35 17.7 -0.1
R53A	Hurricane	92.72	33	P	P	05 35 18.0 +0.2
W47A	Westpoint	92.74	38	P	P	05 35 17.9 0.0
X46A	Booneville	92.82	39	P	P	05 35 18.3 0.0
O57A	Ambersson	92.82	29	P	P	05 35 18.7 +0.5
HRV	Adam Dziekonsk	92.87	24	P	P	05 35 18.9 +0.5
N59A	State Game Lan	92.88	27	P	P	05 35 19.0 +0.4
Q55A	Buckhannon	92.92	31	P	P	05 35 18.7 -0.1
P56A	Dayton Farm, R	92.98	30	P	P	05 35 19.2 +0.3
T51A	Gray	93.01	35	P	P	05 35 19.2 0.0
KEST	Kesra	93.03	323	pP	pP	05 35 40.8 -0.5
U50A	Jamestown	93.07	36	P	P	05 35 19.4 0.0
V49A	McMinnville	93.11	37	P	P	05 35 19.6 -0.1
W48A	Pulaski	93.14	38	P	P	05 35 19.9 +0.1
N60A	Cedar Hill Far	93.16	27	P	P	05 35 19.6 -0.2
O58A	Lewisberry	93.16	29	P	P	05 35 19.7 -0.1
S53A	Williamson	93.20	33	P	P	05 35 19.9 -0.1
X47A	Russellville	93.20	39	P	P	05 35 19.8 -0.3
M61A	Granite Spring	93.23	26	P	P	05 35 20.2 +0.1
R54A	Victor	93.25	32	P	P	05 35 20.5 +0.2
O59A	Robesonia	93.27	28	P	P	05 35 20.1 -0.2
P57A	Homestead Farm	93.31	30	P	P	05 35 20.0 -0.5
T52A	Hallie	93.31	34	P	P	05 35 20.5 -0.1
S54A	Dingess, Beckl	93.44	33	P	P	05 35 21.3 +0.1
PAL	Palisades	93.45	26	P	P	05 35 21.1 0.0
U51A	La Follette	93.47	35	P	P	05 35 21.3 0.0
W49A	Belvidere	93.48	38	P	P	05 35 21.2 -0.2

R55A	Marlinton	93.52	32	P	P	05 35 21.6 0.0
TZTN	Tazewell	93.54	35	P	P	05 35 21.8 +0.1
O60A	Telford	93.54	27	P	P	05 35 21.2 -0.3
Q57A	Strasburg	93.55	30	P	P	05 35 21.6 0.0
V50A	Pikeville	93.56	36	P	P	05 35 21.4 -0.3
P58A	Pank, Wackersv	93.58	29	P	P	05 35 21.7 0.0
X48A	Hartselle	93.65	38	P	P	05 35 21.6 -0.6
R56A	Bull Pasture M	93.70	31	P	P	05 35 22.4 0.0
U52A	Thorn Hill	93.74	35	P	P	05 35 22.7 +0.1
V51A	Loudon	93.80	36	P	P	05 35 23.0 +0.2
S55A	Lewisburg	93.80	32	P	P	05 35 22.9 +0.1
W50A	Signal Mountai	93.85	37	P	P	05 35 23.0 -0.1
Q58A	Fox Den Farm,	93.91	30	P	P	05 35 23.4 +0.1
X49A	Woodville	93.94	38	P	P	05 35 23.4 -0.1
T54A	Tazewell	93.96	33	P	P	05 35 23.9 +0.3
Y48A	Jasper	94.03	39	P	P	05 35 23.3 -0.6
O61A	Allentown	94.04	27	P	P	05 35 23.6 -0.2
V52A	Sevierville	94.10	35	P	P	05 35 24.2 0.0
U53A	Fall Branch	94.11	34	P	P	05 35 24.5 +0.2
W51A	Cleveland	94.14	36	P	P	05 35 24.3 -0.1
R57A	Stardville	94.14	31	P	P	05 35 24.6 +0.2
T55A	Pulaski	94.24	33	P	P	05 35 25.0 +0.1
X50B	Fort Payne	94.30	37	P	P	05 35 24.7 -0.5
U54A	Nelsons Funny	94.31	34	P	P	05 35 24.8 -0.4
BLA	Blacksburg	94.31	32	P	P	05 35 25.3 +0.1
R58A	Rapidan	94.34	30	P	P	05 35 25.0 -0.2
Y49A	Blount Mountai	94.44	38	eP	P	05 35 25.1 -0.7
Y49A	Blount Mountai	94.44	38	P	P	05 35 25.5 -0.3
S57A	Dark Hollow, R	94.44	31	P	P	05 35 25.5 -0.2
147A	Livinston	94.48	40	P	P	05 35 26.0 0.0
Q60A	Greensboro	94.55	28	P	P	05 35 26.2 0.0
W52A	Murphy	94.58	36	P	P	05 35 26.3 -0.1
X51A	Calhoun	94.59	37	P	P	05 35 26.1 -0.3
V53A	Saluda	94.59	35	P	P	05 35 26.4 -0.2
T56A	Rocky Mt	94.63	32	P	P	05 35 26.3 -0.4
U55A	TA2, Sparta	94.65	33	P	P	05 35 27.0 +0.1
R58B	Mineral	94.69	30	P	P	05 35 26.9 +0.1
V50A	Piedmont	94.73	38	P	P	05 35 26.9 -0.2
LRAL	Lakewood Retre	94.82	39	P	P	05 35 27.5 -0.1
Q61A	Milford	94.84	28	P	P	05 35 27.5 0.0
148A	Greensboro	94.86	40	P	P	05 35 27.7 0.0
W53A	Clulowhee	94.86	35	P	P	05 35 27.7 -0.1
V54A	Nebo	94.88	34	P	P	05 35 27.6 -0.3
Z49A	Columbiana	94.92	39	P	P	05 35 27.6 -0.4
S58A	Holland Farm, P	94.92	31	P	P	05 35 27.9 0.0
T57A	Hur	94.97	32	P	P	05 35 28.0 -0.1
X52A	Dahlonega	95.00	36	P	P	05 35 28.2 -0.1
ESDC	Sores Array	95.01	334	P	P	05 35 27.9 -0.5
ESDC	comp=2.1,2nm,0.6s,baz=25,slo=4.0,SNR=9.6				pP	05 35 49.8 -0.5
ESDC	comp=2.2,3nm,0.7s,baz=13,slo=4.5,SNR=5.6				LR	06 23 08.1
Y51A	Rockmart	95.04	37	P	P	05 35 28.3 -0.3
U56A	King	95.06	33	P	P	05 35 28.4 -0.3
V55A	Taylorville	95.14	34	P	P	05 35 28.7 -0.2
Z50A	Ashland	95.16	38	P	P	05 35 28.8 -0.3
149A	Jones	95.28	39	P	P	05 35 29.7 0.0
X53A	Estanolee	95.35	36	P	P	05 35 30.3 +0.3
W54A	Cheokee Point	95.36	35	P	P	05 35 29.9 -0.1
U57A	Blanch	95.43	32	P	P	05 35 30.1 -0.1
Z51A	Fraim	95.47	38	P	P	05 35 30.2 -0.3
V56A	Mocksville	95.48	33	P	P	05 35 29.9 -0.6
249A	Camden	95.62	40	P	P	05 35 31.4 +0.2
150A	Eclectic	95.64	39	P	P	05 35 31.0 -0.3
T59A	Double "B" Far	95.67	31	P	P	05 35 30.9 -0.5
KM5C	Kings Mountain	95.69	34	P	P	05 35 30.8 -0.7
V57A	Coltrane Farms	95.71	33	P	P	05 35 31.0 -0.6
X54A	Belton	95.73	35	P	P	05 35 31.1 -0.6
Y53A	Monroe	95.76	36	P	P	05 35 31.6 -0.2
Z52A	Williamson	95.93	37	P	P	05 35 32.3 -0.3
250A	Grady	96.04	39	P	P	05 35 33.0 -0.1
151A	Opelika	96.05	38	P	P	05 35 32.8 -0.3
X55A	Gracelyn & Ava	96.12	35	P	P	05 35 33.2 -0.2
Y54A	Trignall	96.17	36	P	P	05 35 33.9 +0.3
G0GA	Geddef	96.19	37	P	P	05 35 33.6 -0.1
152A	Waverly Hall	96.22	38	P	P	05 35 34.1 +0.2
Z53A	Monticello	96.25	37	P	P	05 35 33.8 -0.2
W57A	Gilead	96.25	33	P	P	05 35 33.5 -0.5
U60A	Pendleton	96.26	31	P	P	05 35 34.1 +0.1
Z51A	Midway	96.36	39	P	P	05 35 34.5 -0.1
X56A	White Oak	96.37	34	P	P	05 35 34.1 -0.5
Y55A	Saluda	96.47	35	P	P	05 35 35.1 +0.1
Z54A	Sparta	96.62	36	P	P	05 35 35.6 -0.1
155A	Kite	97.31	36	P	P	05 35 38.8 0.0
254A	Abbeville	97.49	37	P	P	05 35 38.8 -0.8

353A	Camilla	97.55	38	P	Pdf	05 35 40.1 +0.2
X60A	Albert Glenn T	97.58	32	P	Pdf	05 35 40.4 +0.3
255A	Hazelhurst	97.88	37	P	Pdf	05 35 41.6 +0.1
RKT	Rikitea	99.60	116	eT	T	07 26 40.1
TOA1	Torodi Arr. Sit	115.57	312	ePKP	PKIKP	05 40 46.9 -1.0
TORD	Torodi Arr. Bea	115.57	316	PKP	PKIKP	05 40 46.9 -1.0
TORD	comp=2.0,4nm,0.7s,baz=46,slo=1.1,SNR=3.1					
TORD	comp=2.0,7nm,0.6s,baz=7.4,slo=3.3,SNR=4.4					
VNDA	Vanda	117.57	175	PKP	PKIKP	05 40 49.0 -0.8
VNDA	comp=2.0,5nm,0.9s,baz=31.6,slo=5.4,SNR=2.9					
VNDA	comp=2.1,0nm,0.8s,baz=33.3,slo=5.5,SNR=4.1					
MAW	Mawson	121.95	206	PKP	PKP	05 40 57.8 -0.6
MAW	comp=2.2,2nm,0.8s,baz=27.0,slo=2.1,SNR=4.5					
MAW	comp=2.2,2nm,0.6s,baz=4					

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include BUEV Buena Vista, GB1A Borinquen Arri, MESS Mesas, etc.

IDC 10 08:30:44.0, 0.9, 26.86N, 144.61E, h0km, mb3.7/8, mb1 3.9/10, mb1mx3.7/31, mbtmp3.7/10, ML3, 3/2, Error ellipse: s-maj=27.8km s-min=20.0km az=78.0

ISCJB 10 08:30:43.1, 0.8, 25.8N, 144.24E, h0km, mb3.6/8, Error ellipse: s-maj=24.8km s-min=16.1km az=162.6

ISC 10 08:30:50.2, 0.9, 26.9N, 0.1, 144.6E, h0.35km, n11, c15/11, mb3.5/8, Bonin Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MJAR Matsushiro Arr, KSRS Korea Array, KLR Kul'dur, etc.

ISCJB 10 08:43:13.8, 0.3, 45.46N, 0.01, 15.89E, h0.03, h1km, 3km, Error ellipse: s-maj=3.1km s-min=2.2km az=155.1

LJU 10 08:43:14.0, 0.45, 44.4N, 15.85E, h0km, ML2.6/1

SAR 10 08:43:15.2, 0.45, 47N, 15.89E, h3km, ML2.6/1

VIE 10 08:43:15.2, 0.5, 45.46N, 15.78E, h11km, 2km, mb2.2/7, m2 8/8, Error ellipse: s-maj=3.1km s-min=2.4km az=138.0

ISC 10 08:43:14.9, 1.0, 45.46N, 0.02, 15.86E, h0.2, h8km, 8km, n50, c059/91, 3C-1D, Northwestern Borken Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include OZLJ Ozalj, BOJANCJ Bojanci, GORJN Cirknj, etc.

Table with columns: ABTA Abfaltersbach, ABTA Tekeri, TRKS Fruska Gora, etc.

EAF 10 08:47:42.5, 1.2, 20.00S, 31.91E, h10km, MD3.5 BUL 10 08:47:43.1, 1.4, 19.97S, 31.96E, h10km, MD3.6

ISC 10 08:47:43.8, 4.5, 20.1S, 0.1, 31.8E, h0.2, h10km, n9, c083/18, Zimbabwe

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

ISK 10 08:48:17.8, 8.37, 29N, 28.22E, h5km, ML2.5/5 DDA 10 08:48:18.9, 37.26N, 28.27E, h7km, 5km, ML2.3

ISCJB 10 08:48:19.4, 0.7, 37.25N, 0.05, 28.23E, h0.08, h7km, 10km, Error ellipse: s-maj=12.6km s-min=5.9km az=145.4

ISC 10 08:48:18.4, 1.7, 37.31N, 0.05, 28.28E, h0.04, h1km, 19km, n12, c053/14, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include YER Yerkesik, YER Tasuluk, AYDN, etc.

IDC 10 09:12:59.1, 1.2, 2.39N, 126.07E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.5/42, mbtmp3.6/7, MS2.7/1, Ms1 2.7/1, ms1mx2.2/37, Error ellipse: s-maj=181.1km s-min=17.2km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include GUMO Guam, WRA Warrunganga Arr, ASAR Alice Springs, etc.

NNC 10 09:12:26.9, 5.3, 53.46N, 87.80E, h17km, 49km, mb3.1, mpv2.7, Error ellipse: s-maj=42.5km s-min=16.0km az=88.0, Suspected Mining explosion.

IDC 10 09:19:25.3, 2.8, 53.55N, 87.71E, h0km, mb1 3.1/2, mb1mx2.9/46, mbtmp3.1/2, ML2.8, 6C-2D, Error ellipse: s-maj=23.3km s-min=14.2km az=60.0, Southeastern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include I46RU Zalesovo Infra, ZAAO Zalesovo Array, ZAAO Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include IDC 10 09:29:10.4, 0.4, 28.94S, 175.71W, h0km, mb4.8/18, etc.

NEIC 10 09:29:11.0, 2.1, 29.04S, 175.81W, h10km, 1km, mb5.3/196, Error ellipse: s-maj=14.8km s-min=7.4km az=121.0

MOS 10 09:29:14.1, 1.1, 28.87S, 175.62W, h29km, mb5.4/39, Error ellipse: s-maj=9.3km s-min=9.3km az=57.4

ISC 10 09:29:12.1, 0.5, 29.14S, 0.05, 175.67W, h0.05, h14km, 2km, h14km, pp-P, n678, c1530/711, mb5.2/221, MS4.5/29, 15C-12D, Kermadec Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAO Raoul Island, RAO Raoul Island, GLKZ Green Lake, etc.

URZ 12nm, 0.3s, baz=138, slow=20, SNR=14 LR 09 38 11.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include URZ Urewera, URZ Urewera, URZ Omahuta, etc.

RAR 16.40 65 Pn 09 35 57.3 -28

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAR Rarotonga, MARC Marie Loyalty, OXZ Oxford, etc.

RAR 16.40 65 ePn 09 32 53.1 -8.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAR Rarotonga, MARC Marie Loyalty, OXZ Oxford, etc.

RAR 16.40 65 ePn 09 32 53.1 -8.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include RAR Rarotonga, MARC Marie Loyalty, OXZ Oxford, etc.

Table with columns: ANIG, ZIIG, ZIIG, ARIG, ARIG. Columns include station name, coordinates, and time/residuals.

ISCJB 10 10:03:22.5-0.8, 21.725:0.03:68.45W, 0.07, h139km, 11km, Error ellipse: s-maj=10.3km s-min=5.2km az=171.2

SJA 10 10:03:22.0-0.5, 21.835:68.41W, h139km, 5km, ML2.4, MW3.0

GUC 10 10:03:22.7-0.6, 21.695:68.57W, h144km, 4km, ML3.7

ISC 10 10:03:22.8-1.7, 21.725:0.04:68.44W, 0.06, h138km, 14km, n22, c055/39, 3C, Chile-Bolivia border region

Main station list table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, etc.

IDC 10 10:09:59.8-2.3, 6.28N-126.51E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/30, mbtmp3.8/5, Error ellipse: s-maj=251.8km s-min=18.9km az=66.0

MAN 10 10:10:09.8, 6.38N, 126.20E, h19km, mb4.6, ML3.5, MS3.4

ISC 10 10:10:04.2-2.0, 6.20N, 0.06:126.43E, 0.08, h26km, 13km, n16, c1983/21, mb3.9/5, 2C-1D, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like DDMP, MATI, MATI, etc.

NSSC 10 10:32:09.2-1.5, 35.43N-36.98E, h185km, 150km, ML2.2

JSO 10 10:32:10.1-0.5, 31.1N-3.36E, h16km, 4km, M2.9/13, Mjma3.0/13, ML2.4/7, MLv3.1/13, Dead Sea region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SWQJ, IDJ, WALJ, etc.

comp=E, 53nm, 0.4s

ISCJB 10 10:38:14.3-1.6, 14.4N, 0.1:92.55W, 0.08, h62km, Error ellipse: s-maj=19.0km s-min=6.0km az=31.9

MEX 10 10:38:15.2-0.5, 14.42N, 92.42W, h80km, 9km, MD3.8

GCG 10 10:38:16.2-0.3, 14.35N, 92.39W, h39km, MD3.8

ISC 10 10:38:15.7-2.3, 14.35N, 0.2:92.55W, 0.1, h62km, n7, c050/12, Near coast of Chiapas

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like THIG, THIG, STG3, etc.

DDA 10 11:05:10.1, 37.87N, 27.22E, h7km, 4km, ML2.9

ISK 10 11:05:10.5, 37.88N, 27.21E, h8km, ML2.8/15

ATH 10 11:05:11.5, 37.84N, 27.16E, h15km, 4km, ML2.7/3, Error ellipse: s-maj=6.3km s-min=1.3km az=243.0

THE 10 11:05:12.9, 37.80N, 27.13E, h2km, 3km, ML2.5/4, Error ellipse: s-maj=3.7km s-min=1.0km az=172.0

ISC 10 11:05:11.3-0.8, 37.87N, 0.02:27.21E, 0.02, h15km, 6km, n39, c098/59, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like GCAM, GCAM, STG3, etc.

IDC 10 11:09:23.5-1.6, 16.605N-178.24W, h0km, mb3.9/6, mb1 4.3/6, mb1mx3.9/27, mbtmp3.9/6, Error ellipse: s-maj=109.2km s-min=22.1km az=149.0, Fiji Islands region

ISC 10 11:12:25.1-0.9, 44.44N, 0.05:74.40E, 0.06, h0km, Error ellipse: s-maj=7.5km s-min=5.5km az=156.0

SOME 10 11:12:25.7, 44.30N, 74.40E

NNC 10 11:12:26.0, 44.39N, 74.40E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=3.8km s-min=2.5km az=158.0

KNET 10 11:12:26.6, 44.29N, 74.37E, h7km, 3km, ml2.3, Error ellipse: s-maj=4.6km s-min=2.9km az=99.0

ISC 10 11:12:27.4, 1.3, 44.30N, 0.05:74.42E, 0.04, h0km, n30, c087/38, 12C-7D, Central Kazakhstan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like STKA, WRA, ASAR, etc.

ISCJB 10 11:12:25.1-0.9, 44.44N, 0.05:74.40E, 0.06, h0km, Error ellipse: s-maj=7.5km s-min=5.5km az=156.0

SOME 10 11:12:25.7, 44.30N, 74.40E

NNC 10 11:12:26.0, 44.39N, 74.40E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=3.8km s-min=2.5km az=158.0

KNET 10 11:12:26.6, 44.29N, 74.37E, h7km, 3km, ml2.3, Error ellipse: s-maj=4.6km s-min=2.9km az=99.0

ISC 10 11:12:27.4, 1.3, 44.30N, 0.05:74.42E, 0.04, h0km, n30, c087/38, 12C-7D, Central Kazakhstan

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

18nm, 0.2s

USP Osenovka 1.04 177 P Pg 11 12 46.5 -0.8

USP 25nm, 0.3s

CHMS Chumyshy 1.33 169 P Pg 11 12 51.8 -1.0

CHMS 12nm, 0.2s, SNR=24

KUU Kurly 1.45 106 P Pn 11 12 53.7 -1.2

KUU 97nm, 0.4s

TKM2 Tokmak 2 1.63 148 P Pg 11 12 57.0 -0.2

TKM2 3.0nm, 0.3s

TKM2 6.4nm, 0.2s

TKM2 13nm, 0.2s, SNR=16

AAK Ala-Archa 1.67 178 P Pn 11 12 57.4 -0.6

AAK 7.1nm, 0.3s

AAK Ala-Archa 1.67 178 P Pn 11 12 57.9 -0.2

AAK 12nm, 0.2s, SNR=12

KST Kastek 1.69 138 P Pn 11 12 58.1 -0.2

KST 15nm, 0.2s

KBK Karagaybulak 1.69 167 P Pg 11 12 59.0 -0.5

KBK 18nm, 0.1s, SNR=11

EKS2 Erkin-Say 1.71 196 P Pn 11 12 58.6 0.0

EKS2 24nm, 0.2s, SNR=13

EKS2 17nm, 0.1s

KTBS Karatobe 1.74 109 P Pn 11 12 58.6 -0.3

KTBS 28nm, 0.2s

MRKS Merke 1.78 209 P Pn 11 12 59.0 +0.7

MRKS 44nm, 0.2s

MRKS 9.3nm, 0.2s

MTBS Maitube 1.87 128 Pn 11 13 01.6 +0.8

MTBS 25nm, 0.1s

MTBS 16nm, 0.2s

CHHK Chukchalyk 1.91 103 Pn 11 13 01.1 -0.1

CHHK 10nm, 0.2s

IZV Investivny 2.04 128 Pn 11 13 04.0 +0.9

IZV 60nm, 0.2s

UCH Uchtor 2.08 178 P Pn 11 13 05.1 +1.2

UCH 43nm, 0.2s, SNR=16

MDOK Medeo 2.22 120 Pn 11 13 06.8 +1.1

MDOK 5.8nm, 0.2s

MDOK 7.2nm, 0.3s

KOTS Kotrybulak 2.23 118 Pn 11 13 07.2 -1.4

KOTS 7.2nm, 0.2s

TNSS Tian-Shan 2.23 124 Lg 11 13 37.8

TNSS 14nm, 0.4s

KZA Kyzart 2.31 164 P Pn 11 13 08.8 -1.3

KZA 8.0nm, 0.2s, SNR=8.0

ARXS Arxaly 2.45 91 Pn 11 13 09.6 +0.9

ARXS 4.2nm, 0.3s

ULHL Ulahlo 2.45 146 P Pn 11 13 10.3 +1.4

ULHL 44nm, 0.3s

MNBS Baschi 2.88 93 Lg 11 13 56.5

MNBS 3.5nm, 0.2s, SNR=9.4

KK31 Karatay Array 3.08 248 Pn 11 13 16.5 -0.7

KK31 0.6nm, 0.5s, baz=70, slow=13, SNR=9.5

KK31 1.2nm, 0.5s, baz=65, slow=14, SNR=16

KK31 1.9nm, 0.3s, baz=59, slow=28

SATY Satary 3.15 112 Pn 11 13 25.8 -0.9

SATY 9.1nm, 0.2s

UZB Uzynbulak 3.53 108 Lg 11 14 17.8

UZB 6.6nm, 0.2s

KAPS Kapalaranas 3.65 73 Pn 11 13 32.6 -0.2

KAPS 5.2nm, 0.4s

PDGK Podgornoye 3.80 103 Pn 11 13 35.9 +0.5

PDGK 1.6nm, 0.5s

DJR Jarkent 3.86 88 Lg 11 14 24.7

DJR 2.7nm, 0.5s

KOLA 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

BER 10 11:22:28.7-1.9, 69.50N-31.29E, h0km, ML0.6, Suspected explosion, Norway-Murmansk border region

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

HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

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

HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

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Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

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Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

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HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

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HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

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Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Includes stations like SUF, FIAO, etc.

HEL 10 11:22:33.1-0.5, 62.90N-29.31E, h0km, ML1.5, Explosion, Finland

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res

IDC 10 12:02:54.8;1.1,27.55S;176.12W,h0km,mb4.2/8, mb1 4.4/9,mb1mx4.1/22,mbtmp4.2/9,ML3.2/1,MS3.4/5, MS1 3.4/5,ms1mx3.1/22,Error ellipse: s-maj=35.1km s-min=24.0km az=137.0

ISCJBJ 10 12:02:58.0;1.1,27.65S;176.1W;0.2,h33km,mb4.2/8, MS3.2/6,Error ellipse: s-maj=29.9km s-min=10.8km az=22.6

ISC 10 12:02:59.5;0.9,27.65S;176.1W;0.2,h33km,n21, r=140/14,mb4.1/8,MS3.2/6,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like URZ Urewera, DZM Mont Dumac, TBI Tubuai, PAE Papeete, PPT2 Papeete, PPT Papeete, HNR Honiara, STKA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, MJAR Matsushiro Arr, KSRs Kora Array, NVAR Niina Array, CMAR Chiang Mai Arr, ILAR Eielson Array, NB2 NORSAR Subarrat146,20,354, NOA NORSAR Array B, AKASG Malin Array Be, TORD Torodi Ar Bea.

IDC 10 12:15:10.7;9.3,6.46E;154.62E,h0km,mb3.4/3, mb1 3.6/3,mb1mx3.4/26,mbtmp3.4/3,Error ellipse: s-maj=288.2km s-min=38.7km az=111.0, Bougainville-Solomon Islands region

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

ISK 10 12:25:34.2;37.11N;42.42E,h5km,ML3.4/7

ISCJBJ 10 12:25:35.4;0.6,37.06N;101.04;25.4E;0.05,h10km,Error ellipse: s-maj=7.6km s-min=4.1km az=43.0

ISN 10 12:25:36.0;3.0,36.94N;42.59E,h0km,ML3.3

DDA 10 12:25:38.4;37.30N;42.33E,h14km,2km,ML2.2

ISC 10 12:25:34.4;1.0,37.07N;0.04;42.53E;0.04,h10km,n16, r=0576/26,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MSL Mosul, SRTM Siirt_Merkez, BTM Batman, AKDM Akdamar-Van, MARD Mardin, SVAN Silvan-Diyarba, VAND Van, MZI Mazidag, MUM Mu-Merkez, DYBB Diyarbakir, DIYA Diyarbakir, HANI Diyarbakir_Han, BNGL BINGOL, SVRC Sivrice-ELAZID, URFA Urfa.

UCR 10 12:28:54.0;2.6,10.39N;86.25W,h0km;1.1km,MW4.2, SC-2D,Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like BUEV Buena Vista, GB1A Borinquen Arri, MESS Mesas, CUI Cuipilapa, JTS Las Juntas de, ARE1 Arenal 1, CEDE Laguna Cededo, SRA1 San Ramn, ACON Acopya, HDC Heredia, CNGN Cerro Negro, LCR2 La Lucha 2, CVTR Volcan Turrial, MATN Matagalpa, ESPN Las Esperanzas, CSGN Cosiguina Volc, RCON San Juan de Ri.

ISK 10 12:30:05.7,37.86N;39.67E,h5km,ML2.3/4

DDA 10 12:30:06.7,37.93N;39.67E,h7km;3km,ML2.7

ISC 10 12:30:06.4;1.2,37.90N;0.04;39.67E;0.03,h8km;1.1km, n10,r=0578/17,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DIYA Diyarbakir, DYBB Diyarbakir, SVRC Sivrice-ELAZID, MZI Mazidag, HANI Diyarbakir_Han, ELZG Elazig, URFA Urfa, SANL SANLIURFA_Merk, ATAB Bozova, SURC SANLIURFA_SURC.

NIC 10 12:41:10.0;0.4,35.12N;34.61E,h25km,ML3.0

ISCJBJ 10 12:41:12.4;0.7,34.78N;0.04;34.38E;0.05,h30km;7km, Error ellipse: s-maj=8.5km s-min=4.1km az=140.2

ISK 10 12:41:12.2,34.75N;34.26E,h28km,ML2.9/10

NSSC 10 12:41:15.1;1.0,32.36N;34.54E,h10km;999km,ML2.2

ISC 10 12:41:12.3;1.3,34.75N;0.04;34.34E;0.04,h27km;1.4km, n21,r=1504/31,Cyprus region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MVOU Mavrovouni, AKIN Akincilar- Kib, CSS Mathiatis, CSS Mathiatis, CSS Souni, SZAC Szac, HWQ Hawqa, AKKU Akkuyu-Mersin, IKL Isikli, TEKE Tekeli-Mersin, KICK Mersin, RCY Reyhanli, KEBE Kebin-Mersin, TEVE Tevekkat-Mers, BERE Berekat-Mersin, BRBR Barbar, QASN Qassiou, QASN Qassiou, MERS Mersin, GAZI Gazipasa, TOTH TOTH, MMLI Mount Malkishu.

ISK 10 12:51:22.4,37.14N;27.90E,h16km;2km,ML2.0/5, Suspected Mining explosion.

ISCJBJ 10 12:51:23.4;0.6,37.13N;0.05;27.91E;0.04,h0km,Error ellipse: s-maj=6.9km s-min=4.3km az=171.0

DDA 10 12:51:25.3,37.34N;27.54E,h7km;6km,ML2.5

ISC 10 12:51:20.5;1.0,37.12N;0.05;27.92E;0.04,h0km,n8, r=0655/12,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like YER Yerkisik, BDRM Kayabasi, DAT Datca, BODT Bodrum, AYDN Aydin, TURN Turunc, DALY Dalyan (Mula).

IDC 10 13:06:45.4;6.3,18.22S;177.76W,h444km;7.1km, mb3.2/9,mb1 3.5/9,mb1mx3.3/27,mbtmp4.0/9,Error ellipse: s-maj=25.9km s-min=22.2km az=31.0,Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, ASAR Alice Springs, VNA Vanda, MJAR Matsushiro Arr, NVAR Niina Array, TXAR Lajitas Array, ILAR Eielson Array, PDAR Piedade Array, ARCES ARCES Array B, BRTR Keskin Array B, GERES GERES Array B.

ISCJBJ 10 13:19:09.1;4.1,61.03N;0.04;28.8E;0.1,h0km,Error ellipse: s-maj=10.1km s-min=5.5km az=12.1

MOS 10 13:19:10.0,61.02N;28.95E,ML1.8,Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

HEL 10 13:19:11.4;0.5,61.02N;28.93E,h0km,ML2.1,Explosion

IDC 10 13:19:13.1;1.8,60.88N;28.77E,h0km,mb1 3.1/3, mb1mx2.9/38,mbtmp3.1/3,ML2.5/3,Error ellipse: s-maj=16.5km s-min=11.9km az=171.0

ISC 10 13:19:13.5;2.0,61.01N;0.05;28.6E;0.1,h0km,n11,

r=0575/17,Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like FIAO FINESS Array B, FINES FINESS Array B, FINES FINESS Array B, PVF Parnaja baz-63, PVF comp=Z,16nm,0.2s, ARBE Arbavere, ARBE Sumiainen, SUF Keuruu, KEF Keuruu, KEF Metsahovi, KEF Merijarvi, HFS Hagfors, HFS ARCES Array B, NOA NORSAR Array B, ARCES ARCES Array B.

ISCJBJ 10 13:20:44.5;0.3,51.58N;0.02;16.06E;0.02,h0km,Error ellipse: s-maj=2.6km s-min=2.1km az=16.1

VIE 10 13:20:47.6;0.8,51.49N;16.00E,h0km,mb2.7/7,ml3.2/7, Suspected Mining induced.

BGR 10 13:20:48.1;0.5,51.54N;16.03E,h1km,ML3.5/12,Error ellipse: s-maj=4.2km s-min=2.2km az=23.0

IDC 10 13:20:48.2;0.6,51.53N;15.95E,h0km,mb1 3.5/7, mb1mx3.4/3,mbtmp3.4/7,ML2.9/6,Error ellipse: s-maj=10.0km s-min=6.5km az=100.0

ISC 10 13:20:45.9;0.7,51.63N;0.03;16.08E;0.02,h0km,n55, r=1503/109,Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KSP Ksiaz, KSP Ksiaz, CHVC Chvalec, OSTC Ostas, OSTC Ostas, UPC Upcie, DPC Dobruska-Polom, DPC Dobruska-Polom, PVCC Panska Ves, PVCC Panska Ves, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, BRG Berggiesshubel, KRKC Krailky, FBE Freiberg, GOPC GO Pecny, Ondr.

PRU Pruhoonice

CLL Colim

CLL Colim

CLL Colim

CLL Colim

VRAC Vranov

VRAC Vranov

VRAC Vranov

VRAC Vranov

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VRAC Vranov

10d 14hr

Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like CAN Canberra, YNG Young, MEH Mehetia, etc.

2013 JUL

Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like SNAA Sanae, MAJO Matsushiro, MAT Matsushiro, etc.

504

Table with columns for station name, location, elevation, frequency, and other technical details. Includes stations like MSHR Mys Shultsa, NJ2 Nanjing, NJ2 Nanjing, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Malin Array S1, Kishinev, Matias, L'vov, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Black Forest, Terra Mystica, Wattenberg, etc.

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

P45A	Graceland, Par	61.05 344	P	P	14 42 13.3	-1.6
M56A	Emporium	61.07 352	P	P	14 42 15.1	+0.1
O48A	Farmington	61.10 346	P	P	14 42 13.9	-1.3
M55A	Ridgway	61.13 352	P	P	14 42 15.5	0.0
N51A	Ashland	61.17 349	eP	P	14 42 15.2	-0.5
N51A	Ashland	61.17 349	eP	P	14 42 14.9	-0.8
N50A	Nevada	61.17 348	P	P	14 42 14.8	-0.9
GD12	Guadalupe Moun	61.27 326	eP	P	14 42 16.7	-0.1
M54A	Oil Creek Stat	61.30 351	eP	P	14 42 16.4	-0.2
M54A	Oil Creek Stat	61.30 351	P	P	14 42 16.6	0.0
O47A	Sheridan	61.32 345	P	P	14 42 15.3	-1.4
M53A	WI Miller and	61.38 350	P	P	14 42 16.9	-0.2
MNTX	Cornudas Moun	61.42 325	eP	P	14 42 16.5	-1.2
MNTX	Cornudas Moun	61.42 325	P	P	14 42 16.6	-1.0
ALLY	Alegheny Col	61.51 351	eP	P	14 42 17.7	-0.2
N49A	Columbus Grove	61.53 347	eP	P	14 42 16.9	-1.1
N49A	Columbus Grove	61.53 347	P	P	14 42 17.0	-1.1
M51A	Elyria	61.54 349	P	P	14 42 17.8	-0.3
BINY	Binghamton	61.54 354	eP	P	14 42 18.3	+0.1
BINY	Binghamton	61.54 354	P	P	14 42 18.4	+0.1
HRV	Adam Dzewiosk	61.57 358	eP	P	14 42 18.0	-0.3
HRV	Adam Dzewiosk	61.57 358	eP	P	14 42 18.0	-0.3
HRV	Adam Dzewiosk	61.57 358	eP	P	14 42 19.6	+1.3
M52A	Chesterland	61.59 350	eP	P	14 42 17.5	-1.0
M52A	Chesterland	61.59 350	eP	P	14 42 18.1	-0.4
M52A	Chesterland	61.59 350	P	P	14 42 18.1	-0.4
P43A	Skaggs, Pawnee	61.64 342	P	P	14 42 17.5	-1.4
N48A	Decatur	61.65 346	P	P	14 42 17.6	-1.3
CPRX	Cap Rock	61.67 327	eP	P	14 42 18.4	-1.0
SFIN	Lafayette	61.68 345	eP	P	14 42 17.7	-2.4
SFIN	Lafayette	61.68 345	P	P	14 42 17.3	-1.8
O45A	Potomac	61.72 344	P	P	14 42 17.7	-1.7
M50A	Fremont	61.77 348	eP	P	14 42 19.1	-0.6
M50A	Fremont	61.77 348	P	P	14 42 18.8	-0.8
L55A	Hinsdale	61.79 352	P	P	14 42 20.3	+0.4
N47A	Urbana	61.82 346	P	P	14 42 18.7	-1.4
L53A	Girard	61.82 351	P	P	14 42 19.8	-0.2
O44A	Mansfield	61.83 343	P	P	14 42 18.1	-2.0
MSTX	Muleshoe	61.87 329	eP	P	14 42 19.9	-0.8
MSTX	Muleshoe	61.87 329	P	P	14 42 19.9	-0.8
TRY	Troy	61.89 356	eP	P	14 42 21.0	+0.5
ERPA	Erie	61.94 351	eP	P	14 42 20.0	0.0
ERPA	Erie	61.94 351	P	P	14 42 20.7	-0.2
L54A	Sinclairville	61.96 352	P	P	14 42 21.1	+0.1
M49A	Liberty Center	62.02 348	P	P	14 42 20.3	-1.1
PLIO	Pelee Island,	62.02 349	P	P	14 42 20.4	-1.0
N46A	Monticello	62.08 345	P	P	14 42 20.5	-1.3
AMTX	Amarillo	62.09 330	eP	P	14 42 21.1	-1.0
AMTX	Amarillo	62.09 330	P	P	14 42 21.4	-0.7
M48A	Edgerton	62.18 347	eP	P	14 42 21.7	-0.8
M48A	Edgerton	62.18 347	P	P	14 42 21.4	-1.0
VNA3	Neumayer Olymp	62.23 162	P	P	14 42 17.2	-5.3
N45A	Kentland	62.23 344	P	P	14 42 21.0	-1.7
K54A	Basiliko Farm,	62.25 352	P	P	14 42 23.1	+0.2
M47A	Cromwell	62.26 346	P	P	14 42 21.5	-1.5
MMNV	Mt. Morris Dam	62.27 353	eP	P	14 42 22.9	-0.1
K55A	Perry	62.29 353	P	P	14 42 22.9	-0.2
SRIG	Santa Rosalia	62.31 317	eP	P	14 42 23.3	+0.1
N44A	Piper City	62.34 344	P	P	14 42 21.6	-1.9
L50A	Kingsville	62.34 349	P	P	14 42 22.7	-0.8
HDIL	Hopedale	62.43 343	eP	P	14 42 22.8	-1.3
HDIL	Hopedale	62.43 343	P	P	14 42 22.8	-1.3
VNA1	Neumayer-Stat	62.43 161	P	P	14 42 22.1	+2.3
M46A	Old House Fiel	62.48 346	eP	P	14 42 23.1	-1.3
M46A	Old House Fiel	62.48 346	P	P	14 42 23.2	-1.2
L48A	N Adams	62.56 347	P	P	14 42 23.7	-1.3
L49A	Milan	62.59 348	P	P	14 42 24.4	-0.7
HSIG		62.67 319	eP	P	14 42 26.1	+0.1
M45A	Bollermakers S	62.67 345	P	P	14 42 24.3	-1.4
K52A	Tiltsburg	62.70 351	P	P	14 42 25.5	-0.4
AAM	Ann Arbor	62.75 348	eP	P	14 42 25.6	-0.6
AAM	Ann Arbor	62.75 348	eP	P	14 42 25.6	-0.6
AAM	Ann Arbor	62.75 348	eP	P	14 42 25.6	-0.6
AAM	Ann Arbor	62.75 348	P	P	14 42 25.3	-0.9
N43A	Stutzman Famil	62.75 343	P	P	14 42 24.7	-1.5
L47A	Sherwood	62.76 347	P	P	14 42 25.1	-1.2
K51A	Iona Station	62.77 350	P	P	14 42 25.7	-0.6
J55A	Hilton	62.79 353	eP	P	14 42 26.2	-0.2
J55A	Hilton	62.79 353	P	P	14 42 26.2	-0.2
HNH	Hanover	62.80 358	eP	P	14 42 27.2	+0.7
M44A	Midewin, Midew	62.87 344	eP	P	14 42 25.1	-1.9
M44A	Midewin, Midew	62.87 344	eP	P	14 42 25.0	-2.5
M44A	Midewin, Midew	62.87 344	P	P	14 42 25.4	-1.6
TYNO	Tynesid	62.88 351	P	P	14 42 26.8	-0.3
J54A	Appleton	62.89 352	eP	P	14 42 26.7	-0.4
J54A	Appleton	62.89 352	P	P	14 42 27.0	-0.1
STCO	Saint Catharin	62.90 352	P	P	14 42 26.9	-0.3
K50A	Casco	63.02 349	eP	P	14 42 26.9	-1.1

K50A	Casco	63.02 349	P	P	14 42 27.1	-0.8
N41A	Harden Midland	63.02 342	eP	P	14 42 26.8	-1.2
N41A	Harden Midland	63.02 342	eP	P	14 42 53.9	-2.7
N41A	Harden Midland	63.02 342	P	P	14 42 26.6	-1.4
L46A	Eue Claire	63.04 346	eP	P	14 42 26.7	-1.5
L46A	Eue Claire	63.04 346	P	P	14 42 26.9	-1.2
J52A	Paris	63.11 351	P	P	14 42 28.2	-0.4
M43A	Waltham Townsh	63.16 344	P	P	14 42 27.5	-1.5
NCB	Newcomb	63.16 356	eP	P	14 42 28.8	-0.2
K49A	Frankford	63.18 348	eP	P	14 42 28.1	-0.9
LBNH	Lisbon	63.31 358	P	P	14 42 31.2	+1.3
K48A	Pennington	63.33 348	P	P	14 42 29.1	-0.9
PECO	Prince Edward	63.36 354	eP	P	14 42 30.2	+0.1
PECO	Prince Edward	63.36 354	P	P	14 42 30.1	-0.1
319A	Douglas	63.37 322	eP	P	14 42 31.1	+0.4
121A	Cookes Peak, D	63.38 324	P	P	14 42 31.6	+0.8
K47A	Vermontville	63.38 347	P	P	14 42 29.3	-1.0
N40A	Mertquake, Sal	63.40 341	P	P	14 42 29.3	-1.3
ACTO	Acton	63.41 351	P	P	14 42 30.9	+0.3
DRCO	St. Marys Ceme	63.49 352	P	P	14 42 31.4	+0.3
WLVO	Wesleyville	63.50 353	P	P	14 42 31.7	+0.6
K5U1	Kansas State U	63.51 336	P	P	14 42 30.4	-1.0
M41A	Milan	63.54 342	P	P	14 42 30.2	-1.3
I53A	Kortright Cn E	63.56 352	P	P	14 42 31.3	-0.2
K46A	Dorr	63.56 346	P	P	14 42 30.0	-1.5
L44A	Lake County Fo	63.58 345	P	P	14 42 30.4	-1.4
WVL	Waterville	63.59 360	eP	P	14 42 31.9	+0.2
PKRO	Pickering	63.63 352	P	P	14 42 31.9	-0.1
J49A	Marlette	63.67 349	P	P	14 42 31.2	-1.1
I55A	France	63.71 353	P	P	14 42 32.4	-0.1
J48A	Bridge Port	63.74 348	eP	P	14 42 31.2	-1.5
J48A	Bridge Port	63.74 348	P	P	14 42 31.6	-1.1
I51A	Listowel	63.75 351	P	P	14 42 32.2	-0.6
EMMW	East Machias	63.76 1	eP	P	14 42 32.8	0.0
LONY	Lake Ozonia	63.83 356	eP	P	14 42 33.5	+0.2
LONY	Lake Ozonia	63.83 356	P	P	14 42 33.6	+0.2
L42A	Oliver, Polo	63.88 343	eP	P	14 42 32.7	-1.0
L42A	Oliver, Polo	63.88 343	P	P	14 42 32.2	-1.5
HAL	Halifax	63.88 5	eP	P	14 42 33.5	-0.1
HAL	Halifax	63.88 5	eP	P	14 42 33.5	-0.1
HAL	Halifax	63.88 5	eP	P	14 42 33.5	-0.1
I52A	Shelburne	63.88 351	P	P	14 42 33.2	-0.5
J47A	Summer	63.88 347	eP	P	14 42 32.9	-0.8
J47A	Summer	63.88 347	eP	P	14 43 00.8	-1.4
J47A	Summer	63.88 347	P	P	14 42 32.5	-1.2
H56A	Elgin	63.94 354	P	P	14 42 33.6	-0.4
BNM	Barren Site	63.98 326	eP	P	14 42 34.0	-0.8
FRNY	Flat Rock	63.98 357	eP	P	14 42 33.6	-0.7
H55A	Tweed	63.99 354	P	P	14 42 34.4	+0.1
DELO	Deloro Mine	64.00 353	eP	P	14 42 34.0	-0.5
DELO	Deloro Mine	64.00 353	eP	P	14 42 32.1	-1.1
DELO	Deloro Mine	64.00 353	P	P	14 42 34.1	-0.3
BASO	Ashfield	64.05 350	P	P	14 42 34.4	-0.4
BWLO	Walker	64.07 351	P	P	14 42 34.4	-0.5
Y22D	IRIS PASCALL I	64.07 326	P	P	14 42 35.9	+0.6
LPM	Los Pinos Moun	64.10 326	eP	P	14 42 35.9	+0.4
LPM	Los Pinos Moun	64.10 326	eP	P	14 43 03.5	-0.3
J46A	Howard City	64.16 347	P	P	14 42 33.9	-1.6
LENM	Lemitar	64.17 326	eP	P	14 42 36.3	+0.3
I49A	Point Hope	64.18 349	eP	P	14 42 32.1	-1.1
I49A	Point Hope	64.18 349	P	P	14 43 02.3	-2.1
I49A	Point Hope	64.18 349	P	P	14 42 34.7	-0.9
K43A	Burlington	64.18 345	eP	P	14 42 34.7	-1.0
K43A	Burlington	64.18 345	P	P	14 42 34.3	-1.3
GGN	Saint George	64.19 2	eP	P	14 42 35.9	+0.3
BRCO	Bruce Peninsula	64.24 350	P	P	14 43 04.9	+0.5
PKME	Peaks-Kenny Pk	64.29 0	eP	P	14 42 35.5	+0.2
PKME	Peaks-Kenny Pk	64.29 0	P	P	14 42 36.6	+0.3
L40A	Anamosa	64.37 342	P	P	14 42 35.9	-1.0
L40A	Anamosa	64.37 342	P	P	14 42 35.6	-1.3
MOQ	Mont Orford	64.40 358	eP	P	14 42 36.6	-0.4
H52A	Wyevale					

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MVCO Mesa Verde, G39A Holcombe, E43A Lone Tree Farm, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like O20A White River Ci, LDFC Landfair, KNB Kanab, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like PD31 Pinedale Array, PD31 Pinedale Array, PDAR Pinedale Array, etc.

KUZ	Kuatohtu	8.63 220	P	Pn	14 46 10.4	+2.8
RUGZ	Raukumara Rang	8.68 207	P	Pn	14 46 05.9	-2.4
TWZ	Tauwhareparea	8.75 205	P	Pn	14 46 05.6	-3.6
MYRZ	Mayor Island	8.76 216	P	Pn	14 46 16.1	+6.8
WCZ	Waipū Caves	8.93 229	P	Pn	14 46 16.8	+5.1
CNGZ	Carnagh Statio	8.95 206	P	Pn	14 46 08.9	-3.1
WIAZ	Waiheke Island	9.00 222	P	Pn	14 46 19.9	+7.3
TKGZ	Te Karaka	9.03 205	P	Pn	14 46 08.9	-4.2
OUZ	Omahuta	9.05 235	eP	Pn	14 46 19.4	+6.1
OZU	Omahuta	9.05 235	P	Pn	14 46 19.5	+6.2
OPRZ	Ohinepanea	9.06 212	P	Pn	14 46 11.4	-2.0
MWZ	Matawai	9.06 206	P	Pn	14 46 10.7	-3.2
MARZ	Manawhau	9.12 211	P	Pn	14 46 14.9	+0.7
URZ	Urewera	9.16 208	Pn	Pn	14 46 10.9	-3.9
	1.8nm,0.3s,baz=280,slow=4.8,SNR=30					
URZ	27nm,0.3s,baz=205,slow=21,SNR=10.0					
URZ	Urewera	9.16 208	P	Pn	14 46 11.4	-3.4
RAGZ	Rawiri	9.24 206	P	Pn	14 46 13.0	-3.1
RIGZ	Rimuhau	9.30 204	P	Pn	14 46 13.9	-2.9
RIGZ	Rimuhau	9.30 204	P	Pn	14 46 15.0	-3.8
PRGZ	Paritu Road	9.45 203	P	Pn	14 47 57.1	-3.2
TOZ	Tahuroa Road	9.48 217	P	Pn	14 46 21.5	+2.3
MUGZ	Murupara	9.49 209	P	Pn	14 46 16.1	-3.2
RTZ	Ruatahuna	9.52 208	P	Pn	14 46 16.7	-3.0
SNGZ	Shannon Statio	9.52 206	P	Pn	14 46 16.7	-3.1
KNZ	Kokohu	9.61 204	P	Pn	14 46 17.8	-3.2
MNGZ	Matia Peninsula	9.65 206	P	Pn	14 46 17.4	-3.4
RAHZ	Arahi	9.73 206	P	Pn	14 46 19.9	-2.8
MTHZ	Maungataniwha	9.78 208	P	Pn	14 46 19.9	-3.4
TLZ	Tolley Road	9.93 214	P	Pn	14 46 26.9	+1.6
MHRZ	Matea Rd	9.93 209	P	Pn	14 46 24.5	-1.0
NHZZ	Naumai	10.00 207	P	Pn	14 47 16.2	-2.4
ARHZ	Aropoanui	10.07 206	P	Pn	14 46 25.1	-2.2
HATZ	Hinemaia	10.12 210	P	Pn	14 46 24.4	-3.6
BKZ	Black Stump Fm	10.18 208	ePn	Pn	14 46 24.1	-4.8
BKZ	Black Stump Fm	10.18 208	P	Pn	14 46 24.2	-4.7
HIZ	Hauti	10.41 216	ePn	Pn	14 46 33.4	+1.6
HIZ	Hauti	10.41 216	P	Pn	14 46 35.8	-3.6
BHZZ	Black Hill Sta	10.63 209	P	Pn	14 46 33.7	-1.4
MOVZ	Moawhanga	10.70 210	P	Pn	14 46 34.6	-1.3
VRZ	Vera Road	10.93 214	P	Pn	14 46 42.2	+3.2
BFZ	Birch Farm	11.59 205	ePn	Pn	14 46 41.8	-6.3
BFZ	Birch Farm	11.59 205	P	Pn	14 46 41.8	-6.3
MRZ	Mangatainoka R	11.82 207	P	Pn	14 46 47.9	-3.9
HOWZ	Holdsworth Sta	12.05 207	P	Pn	14 46 52.3	-2.2
MTW	Mount Morrison	12.28 206	P	Pn	14 46 51.6	-5.9
CAW	Cannon Point	12.41 208	P	Pn	14 46 53.3	-6.0
SNZO	South Karori	12.73 208	ePn	Pn	14 47 00.7	-2.8
TUWZ	Tuamatarua	13.14 210	P	Pn	14 47 06.1	-3.2
NNZ	Nelson	13.22 212	P	Pn	14 47 05.5	-4.8
QRZ	Quartz Range	13.33 215	P	Pn	14 47 07.8	-4.0
BSWZ	Blackbirch Sta	13.41 209	P	Pn	14 47 11.4	-1.5
CTZ	Chatham Island	13.43 178	P	Pn	14 47 10.2	-3.1
CTZ	Chatham Island	13.43 178	P	Pn	14 49 27.1	-1.4
THZ	Tophouse	13.87 212	ePn	Pn	14 47 17.2	-2.2
THZ	Tophouse	13.87 212	P	Pn	14 47 18.3	-4.4
KHZ	Kahutara	14.13 209	ePn	Pn	14 47 14.7	-8.0
KHZ	Kahutara	14.13 209	P	Pn	14 47 18.3	-4.4
DSZ	Dennistown Nort	14.38 214	P	Pn	14 47 25.7	-0.5
LTZ	Lake Taylor	14.97 211	ePn	Pn	14 47 29.7	-4.8
LTZ	Lake Taylor	14.97 211	P	Pn	14 47 30.8	-3.6
AMCZ	Amberley	15.12 209	P	Pn	14 47 35.3	-0.8
OKZ	Okains Bay	15.41 207	P	Pn	14 47 33.5	-6.4
CRLZ	Canterbury Las	15.46 208	ePn	Pn	14 47 36.0	-4.5
	69nm,0.6s					
OXZ	Oxford	15.51 210	ePn	Pn	14 47 36.5	-4.7
MQZ	McQueen's Vall	15.56 208	ePn	Pn	14 47 35.9	-5.9
	161nm,0.5s					
MARNC	Mare, Loyalty	15.78 300	ePn	Pn	14 47 43.5	-1.2
	2um,1.8s					
RPZ	Rata Peaks	16.25 211	Pn	Pn	14 47 47.3	-3.4
	8.6nm,0.3s,baz=14,slow=1.4,SNR=17					
RPZ	Rata Peaks	16.25 211	Pn	Pn	14 50 34.4	-1.6
	2.4nm,0.3s,baz=348,slow=22,SNR=5.7					
RPZ	Rata Peaks	16.25 211	ePn	Pn	14 47 46.9	-3.9
	70nm,0.6s					
ONTNC	Ouen Toro	16.52 295	eP	Pn	14 47 51.5	-2.8
	190nm,1.1s					
DZM	Mont Dzumac	16.65 296	eP	P	14 47 59.2	+1.0
	384nm,1.1s					
DZM	Mont Dzumac	16.65 296	ePn	LR	14 51 55.8	
	comp=Z,22um,25.1s					
DZM	Mont Dzumac	16.65 296	Pn	Pn	14 48 00.6	+2.5
	3.0nm,0.3s,baz=119,slow=10,SNR=27					
DZM	Mont Dzumac	16.65 296	LR	LR	14 53 19.6	
	comp=Z,17um,18.2s,baz=140,slow=34					
DZM	Mont Dzumac	16.65 296	P	P	14 47 59.4	+1.2
	149nm,0.9s					
FOZ	Fox Glacier	16.69 214	ePn	Pn	14 47 51.7	-4.6
	40nm,0.6s					
LDZ	Lake Benmore	17.17 212	ePn	Pn	14 47 58.8	-3.4
	56nm,1.2s					
OBZ	Otahu Downs	17.48 209	ePn	Pn	14 48 02.5	-3.7
	67nm,0.7s					
WKZ	Wanaka	18.04 213	eP	Pn	14 48 08.1	-4.9
	179nm,1.7s					
RAR	Rarotonga	18.24 64	P	P	14 48 10.7	-4.8
	3.8nm,0.3s,baz=244,slow=5.2,SNR=7.0					
RAR	Rarotonga	18.24 64	P	Pn	14 51 18.4	-2.0
	2.9nm,0.3s,baz=146,slow=11,SNR=1.9					
RAR	Rarotonga	18.24 64	LR	LR	14 53 28.0	
	comp=Z,5um,20.1s,baz=249,slow=31					
RAR	Rarotonga	18.24 64	P	Pn	14 48 10.7	-4.8
	306nm,1.4s					
RAR	Rarotonga	18.24 64	ePn	Pmax	14 48 10.7	-4.8
	comp=Z,305nm,1.4s					
MLZ	Mavora Lakes	18.87 213	eP	P	14 48 19.2	-3.1
	comp=Z,42nm,0.7s					
WHZ	Wether Hill R	19.34 212	eP	P	14 48 24.5	-3.0
	comp=Z,51nm,1.0s					
DCZ	Deep Cove	19.40 214	eP	P	14 48 24.6	-3.5
	comp=Z,25nm,0.9s					
LHI	Lord Howe Isla	20.25 261	eP	P	14 48 35.9	-1.6
	comp=Z,248nm,0.9s					
LHI	Lord Howe Isla	20.25 261	LR	LR	14 48 35.9	-1.6
	comp=Z,8um,18.0s					
TBI	Tubuai	25.82 81	eS	S	14 53 55.2	-5.5
	comp=Z,2um,30.0s					
TBI	Tubuai	25.82 81	eLQ	LQ	14 54 33.6	
	comp=Z,7um,26.2s					
TBI	Tubuai	25.82 81	eLR	LR	14 55 50.1	
	comp=Z,11um,28.0s,baz=246					
TBI	Tubuai	25.82 81	T	T	15 15 58.1	
	comp=Z,44nm,0.3s					
ARMA	Armidade	26.70 262	eP	P	14 49 39.5	-1.9
	comp=Z,57nm,1.1s					
ARMA	Armidade	26.70 262	LR	LR	14 49 39.5	-1.9
	comp=Z,7um,21.0s					
PAE	Paea	28.26 70	eT	T	15 19 09.0	
	comp=Z,12nm,0.3s					
EIDS	Eidsvold	28.26 272	eP	P	14 49 54.8	-0.5
	comp=Z,32nm,0.8s					
EIDS	Eidsvold	28.26 272	LR	LR	14 49 54.8	-0.5
	comp=Z,10um,18.0s					
PPT2	Papeete2	28.30 70	eS	S	14 54 38.0	-2.1
	comp=Z,957nm,26.2s					
PPT2	Papeete2	28.30 70	eLQ	LQ	14 55 41.8	
	comp=Z,5um,23.8s					
PPT2	Papeete2	28.30 70	eLR	LR	14 57 01.3	
	comp=Z,10um,26.5s,baz=233					
PPT2	Papeete2	28.30 70	T	T	15 19 11.8	
	comp=Z,11nm,0.3s					
PPT	Papeete	28.31 70	LR	LR	14 58 09.2	
	comp=Z,3um,21.4s,baz=244,slow=30					
TVO	Taravao	28.46 70	T	T	15 19 23.7	
	comp=Z,2.1nm,0.3s					
CAN	Canberra	28.61 251	PFAKE	LR	14 50 10.0	+1.2
	comp=Z,5um,22.0s					
CAN	Canberra	28.61 251	P	Pmax	14 50 01.5	+3.1
	comp=Z,57nm,1.1s					
MEH	Mehetia	29.39 72	eT	T	15 20 32.8	
	comp=Z,26nm,0.4s					
HNR	Honiara	29.64 310	LR	LR	14 59 55.9	
	comp=Z,3um,20.3s,baz=138,slow=32					
HNR	Honiara	29.64 310	PFAKE	LR	14 50 20.0	+1.2
	comp=Z,4um,20.0s					
TAU	Tasmania Unive	30.78 236	PFAKE	LR	14 50 30.0	+1.3
	comp=Z,6um,20.0s					

PMOR	Pomariorio Ree	31.06 67	eT	T	15 22 40.1	
	comp=Z,5.1nm,0.4s					
VAH	Vaihoa	31.14 68	eT	T	15 22 46.7	
	comp=Z,51nm,0.3s					
TOO	Toonui	31.50 247	eP	P	14 50 22.4	-1.5
	comp=Z,36nm,1.0s					
TOO	Toonui	31.50 247	LR	LR	14 50 22.4	-1.5
	comp=Z,6um,19.0s					
TOO	Toonui	31.50 247	eP	P	14 50 22.4	-1.5
	comp=Z,36nm,1.0s					
TAA	Tarawa	32.80 342	PFAKE	LR	14 50 50.0	+1.5
	comp=Z,5um,18.0s					
CTA	Charters Tower	34.31 279	P	P	14 50 49.2	+0.6
	comp=Z,31nm,0.6s,baz=99,slow=10,SNR=31					
CTAO	Charters Tower	34.31 279	eP	P	14 50 48.9	+0.3
	comp=Z,66nm,0.8s					
CTAO	Charters Tower	34.31 279	LR	LR	14 50 48.9	+0.3
	comp=Z,12um,18.0s					
CTAO	Charters Tower	34.31 279	eP	P	14 50 48.9	+0.3
	comp=Z,66nm,0.8s					
CTAO	Charters Tower	34.31 279	eP	Pmax	14 50 48.9	+0.3
	comp=Z,12um,18.0s					
STKA	Stephens Creek	35.02 257	P	P	14 50 53.8	-0.8
	comp=Z,52nm,0.7s,baz=102,slow=12,SNR=55					
STKA	Stephens Creek	35.02 257	LR	LR	15 04 12.6	
	comp=Z,7um,18.4s,baz=92,slow=35					
STKA	Stephens Creek	35.02 257	eP	P	14 50 53.4	-1.2
	comp=Z,52nm,0.7s,baz=102,slow=12,SNR=55					
STKA	Stephens Creek	35.02 257	PFAKE	LR	14 51 10.0	+1.5
	comp=Z,2um,18.0s					
STKA	Stephens Creek	35.02 257	PKIKP	P	14 50 53.8	-0.8
	comp=Z,2um,18.0s					
STKA	Stephens Creek	35.02 257	eP	P	14 50 53.4	-1.2
	comp=Z,2um,18.0s					
STKA	Stephens Creek	35.02 257	PFAKE	LR	14 51 30.0	+1.2
	comp=Z,2um,18.0s					
STKA	Stephens Creek	35.02 257	PFAKE	LR	14 51 30.0	+1.2
	comp=Z,2um,18.0s					
RKT	Rikitea	38.38 90	eLR	LR	15 01 41.0	
	comp=Z,6um,28.0s					
RKT	Rikitea	38.38 90	eT	T	15 31 33.6	
	comp=Z,2.5nm,0.4s					
RABL	Rabaul</					

10d 14h

GRNR	GRNR	comp=Z,97nm,1.8s	90.43	333	eP	P	14 57 04.5	+1.7
PHET	PHET	comp=Z,42nm,1.0s	90.48	285	P	P	14 57 11.2	+7.3
PSUT	PSUT	comp=Z,32nm,1.5s	90.51	45	eP	P	14 57 05.0	+1.2
X18A	X18A	comp=Z,36nm,1.2s	90.52	50	eP	P	14 57 05.0	+1.2
X18A	X18A	comp=Z,1.1um,18.0s			LR	LR		
NKL	NKL	comp=Z,7.0nm,0.7s	90.75	336	iP	P	14 57 05.0	+0.9
NKL	NKL	comp=E,18nm,1.4s						
NKL	NKL	comp=N,66nm,1.0s						
PKCU	PKCU	comp=N,132nm,1.7s	90.78	46	eP	P	14 57 05.9	+0.8
121A	121A	comp=Z,2.1um,18.0s	90.80	52	P	P	14 57 07.1	+1.9
G05D	G05D	comp=Z,49nm,1.3s	90.81	36	P	P	14 57 06.9	+2.2
I07A	I07A	comp=N,35nm,1.4s	90.94	38	eP	P	14 57 06.1	+0.6
J08A	J08A	comp=N,34nm,1.3s	91.00	39	eP	P	14 57 05.9	+0.1
NLWA	NLWA	comp=Z,2.1um,18.0s	91.08	33	PFAKE	LR	14 57 20.0	+1.4
ELK	ELK	comp=Z,1.1um,20.0s	91.10	42	eP	P	14 57 06.9	+0.4
ELK	ELK	comp=Z,2.4nm,1.5s			LR	LR		
ELK	ELK	comp=Z,2.1um,18.0s	91.10	42	eP	P	14 57 06.9	+0.4
ELK	ELK	comp=Z,2.4nm,1.5s			MLR	MLR		
E04D	E04D	comp=Z,2.1um,18.0s	91.11	34	P	P	14 57 08.3	+2.3
G06A	G06A	comp=Z,49nm,1.3s	91.15	36	eP	P	14 57 07.0	+0.7
KLR	KLR	comp=Z,900nm,19.0s	91.21	329	P	P	14 57 07.1	+0.6
MTPU	MTPU	comp=Z,13nm,0.7s,baz=135,slow=3.5,SNR=17	91.23	46	eP	P	14 57 08.1	+0.8
SLVN	SLVN	comp=Z,1.1nm,1.0s	91.36	294	eP	P	14 57 06.2	-1.7
D04E	D04E	comp=Z,2.1um,18.0s	91.45	34	P	P	14 57 10.1	+2.6
MSU	MSU	comp=Z,1.1um,18.0s	91.53	45	eP	P	14 57 09.4	+0.9
D03D	D03D	comp=Z,36nm,0.5s	91.55	33	P	P	14 57 10.3	+2.3
LOX	LOX	comp=Z,2.1um,18.0s	91.61	35	PFAKE	LR	14 57 20.0	+1.2
D05A	D05A	comp=Z,800nm,20.0s	91.83	34	PFAKE	LR	14 57 20.0	+1.1
DIB	DIB	comp=Z,900nm,22.0s	91.86	25	PFAKE	LR	14 57 20.0	+1.1
TXAR	TXAR	comp=Z,900nm,20.0s	91.88	57	P	P	14 57 10.2	+0.1
TXAR	TXAR	comp=Z,0.5nm,0.4s,baz=197,slow=2.8,SNR=2.5			LR	LR	15 33 59.3	
F07A	F07A	comp=Z,887nm,18.0s,baz=0.0,slow=33	91.96	36	PFAKE	LR	14 57 20.0	+1.0
ENH	ENH	comp=Z,1.1um,19.0s	91.98	304	eP	P	14 57 08.7	-1.9
MNTX	MNTX	comp=Z,125nm,1.8s	91.98	54	eP	P	14 57 10.2	-0.3
MNTX	MNTX	comp=Z,35nm,1.9s			LR	LR		
MNTX	MNTX	comp=Z,800nm,19.0s	91.98	54	P	P	14 57 12.3	+1.8
G08A	G08A	comp=Z,38nm,1.3s	92.05	37	eP	P	14 57 10.7	+0.1
G08A	G08A	comp=Z,1.1um,19.0s			LR	LR		
CNPM	CNPM	comp=Z,1.1um,19.0s	92.07	13	PFAKE	LR	14 57 20.0	+1.0
HOM	HOM	comp=Z,1.1um,20.0s	92.11	13	PFAKE	LR	14 57 20.0	+1.0
DUG	DUG	comp=Z,1.1um,20.0s	92.18	44	PFAKE	LR	14 57 20.0	+8.6
Y22D	Y22D	comp=Z,2.1um,19.0s	92.28	52	PFAKE	LR	14 57 20.0	+8.0
LENM	LENM	comp=Z,2.1um,18.0s	92.30	51	eP	P	14 57 13.3	+1.2
BRK	BRK	comp=Z,22nm,1.1s	92.32	51	eP	P	14 57 13.7	+1.5
Q16A	Q16A	comp=Z,2.1um,21.0s	92.36	13	PFAKE	LR	14 57 20.0	+8.5
HAWA	HAWA	comp=Z,36nm,1.3s	92.40	46	eP	P	14 57 13.6	+1.1
BNM	BNM	comp=Z,2.1um,19.0s	92.50	36	eP	P	14 57 13.9	+1.4
LTY	LTY	comp=Z,2.1um,19.0s	92.52	52	eP	P	14 57 14.3	+1.1
TMUT	TMUT	comp=Z,2.1um,19.0s	92.53	35	PFAKE	LR	14 57 20.0	+7.3
LNIG	LNIG	comp=Z,1.1um,21.0s	92.61	45	eP	P	14 57 14.7	+1.1
BMO	BMO	comp=Z,2.1um,18.0s	92.62	63	PFAKE	LR	14 57 30.0	+1.6
BMO	BMO	comp=Z,1.1um,18.0s	92.63	38	eP	P	14 57 13.3	0.0
BMO	BMO	comp=Z,38nm,1.8s	92.63	38	eP	P	14 57 13.3	0.0
BBB	BBB	comp=Z,1.1um,19.0s	92.75	28	PFAKE	LR	14 57 30.0	+1.7
E08A	E08A	comp=Z,1.1um,19.0s	92.81	36	PFAKE	LR	14 57 30.0	+1.6
PHRA	PHRA	comp=Z,2.1um,19.0s	92.84	290	P	P	14 57 17.5	+2.8
SRU	SRU	comp=Z,37nm,1.5s	92.91	46	eP	P	14 57 15.9	+1.1
SRU	SRU	comp=Z,37nm,1.5s	92.91	46	eP	P	14 57 15.9	+1.1
SEW	SEW	comp=Z,37nm,1.5s	92.95	14	PFAKE	LR	14 57 30.0	+1.6
P17A	P17A	comp=Z,1.1um,21.0s	93.00	45	eP	P	14 57 15.0	-0.2
MVCO	MVCO	comp=Z,2.1um,18.0s	93.06	48	P	P	14 57 17.7	+2.1
TASM	TASM	comp=Z,34nm,1.6s	93.09	51	P	P	14 57 17.7	+1.9
ANMO	ANMO	comp=Z,2.1um,18.0s	93.09	51	eP	P	14 57 16.9	+1.1
ANMO	ANMO	comp=Z,2.1um,18.0s	93.09	51	eP	P	14 57 16.9	+1.1
ANMO	ANMO	comp=Z,2.7nm,1.5s			MLR	MLR		
PV05	PV05	comp=Z,2.1um,18.0s	93.19	47	eP	P	14 57 16.6	+0.4
HVU	HVU	comp=Z,34nm,1.6s	93.19	43	eP	P	14 57 17.2	+1.2
HVU	HVU	comp=Z,34nm,1.6s	93.19	43	eP	P	14 57 17.2	+1.2
HVU	HVU	comp=Z,28nm,1.1s						
BJI	BJI	comp=Z,28nm,1.1s	93.22	315	eP	P	14 57 16.4	+0.5

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BJI	BJI	comp=Z,3.0nm,0.9s	93.25	44	eP	P	14 57 16.1	-0.3
JLU	JLU	comp=Z,32nm,1.8s	93.26	36	eP	P	14 57 16.7	+0.7
D08A	D08A	comp=Z,51nm,1.6s			LR	LR		
E09A	E09A	comp=Z,2.1um,19.0s	93.29	36	eP	P	14 57 16.5	+0.3
HLID	HLID	comp=Z,1.1um,18.0s	93.38	40	eP	P	14 57 17.3	+0.4
HLID	HLID	comp=Z,9.9nm,1.0s	93.38	40	P	P	14 57 18.0	+1.1
F10A	F10A	comp=Z,16nm,1.0s	93.41	37	eP	P	14 57 17.0	+0.2
F10A	F10A	comp=Z,1.1um,18.0s	93.41	47	eP	P	14 57 17.4	+0.2
PV14	PV14	comp=Z,1.1um,18.0s	93.41	47	eP	P	14 57 17.4	+0.2
PV14	PV14	comp=Z,900nm,19.0s			LR	LR		
CRAG	CRAG	comp=Z,1.1um,19.0s	93.43	23	PFAKE	LR	14 57 30.0	+1.4
PV16	PV16	comp=Z,1.1um,19.0s	93.44	47	PFAKE	LR	14 57 30.0	+1.3
PV11	PV11	comp=Z,900nm,19.0s	93.47	47	PFAKE	LR	14 57 30.0	+1.3
PLID	PLID	comp=Z,1.1um,20.0s	93.48	39	eP	P	14 57 17.9	+0.6
PLID	PLID	comp=Z,1.9nm,1.0s			LR	LR		
PV02	PV02	comp=Z,4.1um,21.0s	93.50	47	eP	P	14 57 18.8	+1.2
LVC	LVC	comp=Z,7.7nm,0.9s	93.52	119	PFAKE	LR	14 57 30.0	+1.2
PV12	PV12	comp=Z,700nm,18.0s	93.52	47	eP	P	14 57 18.6	+0.9
PV21	PV21	comp=Z,34nm,1.5s	93.56	47	eP	P	14 57 18.9	+1.0
PV01	PV01	comp=Z,38nm,1.7s	93.56	47	eP	P	14 57 18.7	+0.8
TCUT	TCUT	comp=Z,6.6nm,0.9s	93.59	44	eP	P	14 57 18.7	+0.7
PV22	PV22	comp=Z,59nm,1.4s	93.66	47	eP	P	14 57 18.5	+0.2
PV22	PV22	comp=Z,2.7nm,1.7s			LR	LR		
HWUT	HWUT	comp=Z,700nm,20.0s	93.80	43	PFAKE	LR	14 57 30.0	+1.1
RC01	RC01	comp=Z,1.1um,18.0s	93.80	13	eP	P	14 57 18.5	+0.4
CM31	CM31	comp=Z,800nm,21.0s	93.87	289	eP	P	14 57 20.5	+1.0
CMAR	CMAR	comp=Z,15nm,1.1s	93.87	289	P	P	14 57 20.5	+1.0
CMAR	CMAR	comp=Z,3.0nm,0.8s,baz=151,slow=3.7,SNR=6.8			LR	LR	15 41 55.4	
CM0A	CM0A	comp=Z,307nm,19.1s,baz=250,slow=37	94.05	289	P	P	14 57 36.4	+1.6
CM0A	CM0A	comp=Z,38nm,1.7s	94.09	35	PFAKE	LR	14 57 30.0	+1.0
EYAK	EYAK	comp=Z,1.1um,19.0s	94.15	15	PFAKE	LR	14 57 30.0	+1.0
KMI	KMI	comp=Z,2.1um,20.0s	94.25	297	P	P	14 57 21.4	0.0
KMI	KMI	comp=Z,2.1um,20.0s			pP	pP	14 57 24.1	+2.3
KMI	KMI	comp=Z,2.1um,20.0s			pP	pP	14 57 27.1	-3.4
KMI	KMI	comp=Z,2.1um,20.0s			SKS	SKS	15 01 10.8	+2.0
KMI	KMI	comp=Z,2.1um,20.0s			SS	SS	15 07 57.0	+2.5
KMI	KMI	comp=Z,2.1um,20.0s			SS	SS	15 08 29.0	-1.9
KMI	KMI	comp=Z,2.1um,20.0s			SS	SS	15 08 40.7	-2.1
KMI	KMI	comp=Z,8.0nm,0.7s						
KMI	KMI	comp=Z,230nm,5.8s						
KMI	KMI	comp=Z,390nm,19.5s						
KMI	KMI	comp=Z,380nm,21.4s						
HMT	HMT	comp=Z,750nm,21.3s	94.30	16	PFAKE	LR	14 57 30.0	+1.0
KNK	KNK	comp=Z,2.1um,19.0s	94.35	13	PFAKE	LR	14 57 30.0	+9.3
PMR	PMR	comp=Z,1.1um,22.0s	94.38	13	PFAKE	LR	14 57 30.0	+9.3
WRAK	WRAK	comp=Z,800nm,20.0s	94.45	23	PFAKE	LR	14 57 30.0	+8.8
S22A	S22A	comp=Z,1.1um,20.0s	94.45	49	PFAKE	LR	14 57 30.0	+7.9
S22A	S22A	comp=Z,1.1um,20.0s	94.45	49	P	P	14 57 23.9	+1.8
833A	833A	comp=Z,1.1um,18.0s	94.48	60	PFAKE	LR	14 57 30.0	+7.9
SML	SML	comp=Z,1.1um,18.0s	94.74	13	PFAKE	LR	14 57 30.0	+7.5
O20A	O20A	comp=Z,900nm,19.0s	94.94	46	P	P	14 57 25.6	+1.5
MNMC	MNMC	comp=Z,2.1um,20.0s	94.95	115	eP	P	14 57 25.7	+0.8
SCM	SCM	comp=Z,41nm,1.4s	94.96	14	PFAKE	LR	14 57 40.0	+1.6
NEW	NEW	comp=Z,1.1um,20.0s	94.97	36	PFAKE	LR	14 57 40.0	+1.6
ANN	ANN	comp=Z,1.1um,20.0s	95.01	5	PFAKE	LR	14 57 30.0	+6.4
PPLA	PPLA	comp=Z,1.1um,20.0s	95.03	11	PFAKE	LR	14 57 40.0	+1.6
MCMT	MCMT	comp=Z,1.1um,20.0s	95.05	40</				

10d 15h

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like MAZI, DOMB, AKN, EAYT, etc.

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Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like KOLS, Kolonické sedl, DSB, etc.

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Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like BEHE, Beesehely, SOKA, etc.

DDA 10 15:01:42.4, 37.42AN-42.48E, h0km,5km,ML2.9,Turkey

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

PRU 10 15:03:22.2, 0.49:83N-18:56E, h0km, Czech and Slovak Republics

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

IDC 10 15:35:18.3, 0.6, 27.95N:142.88E, h0km, mb4/0/13, mb1 4.3/19, mb1mx4.1/55, mb1mx4.2/19, ML3.8/6, MS3.8/1, Ms1 3.8/1, ms1mx3.1/37, Error ellipse: s-maj=24.2km s-min=13.6km az=75.0

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

Code Station Name Azimuth Elevation Phase ID Time Res

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

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

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like KK31, KKAR, STKA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like STKA, SONAO, MK31, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTBH Cotabato-PC H, MUSAN Musuan, SANGIHE Sangihe, etc.

MEX 10 17:03:05.1-0.5, 16:14N:97:63W, h16km, 8km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VHO Vista Hermosa, HUIG Huatulco, TLIG Tiapa.

BUIJ 10 17:16:45.1-0.5, 5:04S:148:96E, h13km, mb4.9/61, m85.1/57, Ms5.2/67, Ms7.5/0/65, NEIC 10 17:16:46.7-1.9, 4.96S:148:87E, h12km, 3km, mb5.2/104, MW5.4, Error ellipse: s-maj=9.3km s-min=6.6km az=126.0, Moment Tensor Solution. s10 Moment tensor: Scale 1017Nm; Mrr:0.32; Mth:0.63; Mtt:0.96; Mtr:0.06; Mts:1.34; Mtr:0.36; Best double couple: M1:6000x1017 NP1: 0s 15.000000, 0.87.000000, 1.166.000000; NP2: 0s 15.000000, 0.76.000000, 1.3.000000; Principal axes: T 1.4500, P1g12.0000, Azm329.0000; N 0.3100, P1g70.0000, Azm184.0000; P -1.7600, P1g8.0000, Azm61.0000;

MOS 10 17:16:46.5-1.1, 5:00S:148:79E, h16km, mb5.3/40, MS4.7/6 Error ellipse: s-maj=13.1km s-min=6.9km az=91.4, DJA 10 17:16:48.5-1.4, 5:4S:14:9E, h26km, 12km, M5.2/25, m85.6/13, mb5.2/25, MLV5.3, Mw(MB)5.1/13

ISCJB 10 17:16:49.1-0.1, 5:02S:0:02z:148:87E:0.03, h33km, mb5.1/146, MS4.9/67, Error ellipse: s-maj=4.3km s-min=3.2km az=20.5

IDC 10 17:16:49.4-0.4, 5:05S:149:00E, h28km, 27km, mb4.5/19, mb1.4/222, m8.1mx4.6/26, mbtm4.6/22, ML3.0/3, MS4.7/31, Ms1.4/731, ms1mx4.7/35, Error ellipse: s-maj=15.5km s-min=10.1km az=102.0

GCMT 10 17:16:51.7-0.1, 4.97S:0:01z:148:92E:0.01, h12km, MW5.4/121, Moment Tensor Solution. s94.6166; s121.c237; Duration: 1s3 Moment tensor: Scale 1017 Nm; Mrr:-0.41±.02; Mth:0.81±.02; Mtt:0.39±.02; Mtr:0.12±.05; Mts:1.56±.02; Mtr:0.42±.05; Best double couple: M1:74700x1017 NP1s:192.000000, 0.79.000000, 1.164.000000; NP2s:99.000000, 0.74.000000, 1.1.000000; Principal axes: T 1.8840, P1g4.0000, Azm325.0000; N -0.2720, P1g71.0000; Azm225.0000; P -1.6110, P1g19.0000; Azm55.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 10 17:16:50.8-0.3, 5:16S:0:03z:149:06E:0.05, h35km, n367, c204/369, mb5.1/146, MSS.0/69, 11C-6D, New Britain region

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

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AAI Ambon, RMQ Roma, NLAI Namlea, LBMI Labuha, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like QIZ comp=Z,640nm,20.1s, QIZ comp=Z,920nm,24.5s, etc.

KMI	comp=Z,800nm,22.6s	LR	LR						
KMI	comp=Z,1.1um,28.9s	LR	LR						
BJI	Beijing	54.20	329	P	S	17 26 12.3	-0.6		
BJI				P	S	17 33 50.4	+2.6		
BJI	comp=Z,330nm,24.9s	LR	LR						
BJI	comp=Z,300nm,21.4s	LR	LR						
XAN	comp=Z,820nm,32.4s	54.37	319	P	P	17 26 12.0	-2.4		
XAN	Xi'an			pP	pP	17 26 21.7	-2.7		
XAN				S	SS	17 33 49.5	-0.9		
XAN				SS	SS	17 37 32.5	-0.7		
XAN	comp=Z,110nm,1.1s			pmax	pmax				
XAN	comp=Z,110nm,3.7s			LR	LR				
XAN	comp=Z,750nm,20.2s			LR	LR				
XAN	comp=Z,610nm,15.8s			LR	LR				
CM31	Chiang Mai Arr	54.68	297	eP	P	17 26 15.9	-0.9		
CM31	Chiang Mai Arr	54.68	297	P	P	17 26 22.4	+5.6		
CMAR	Chiang Mai Arr	54.68	297	P	P	17 26 15.9	-0.9		
CMAR	comp=Z,4.9nm,1.0s,baz=116,slow=5.4,SNR=14			LR	LR	17 48 43.5			
CMMT	Chiang Mai	54.80	297	P	P	17 26 19.0	+1.3		
CHTO	Chiang Mai	54.80	297	eP	P	17 26 14.9	-2.8		
CHTO	Chiang Mai	54.80	297	eP	P	17 26 14.9	-2.8		
CHTO	comp=Z,42nm,1.3s			pmax	pmax				
CHTO	Chiang Mai	54.80	297	P	P	17 26 16.7	-1.1		
CHTO	Chiang Mai	54.80	297	P	P	17 26 16.7	-1.1		
CD2	Chengdu	56.18	313	P	P	17 26 25.6	-1.9		
CD2				sP	pP	17 26 34.4	-3.2		
CD2				S	S	17 34 16.2	+1.4		
CD2				SS	SS	17 37 53.3	-8.6		
CD2	comp=Z,20nm,0.7s			pmax	pmax				
CD2	comp=Z,310nm,6.5s			LR	LR				
CD2	comp=Z,1.1um,22.6s			LR	LR				
CD2	comp=Z,2.2um,22.6s			LR	LR				
CD2	comp=Z,2.2um,23.0s			LR	LR				
KLR	Kul'dur	56.23	346	iP	P	17 26 27.3	-0.1		
KLR				pmax	pmax				
GRNR	Gornyy	56.76	350	eP	P	17 26 31.0	-0.2		
HHC	Hu-ho-hao-te	57.23	327	P	P	17 28 35.1	+0.3		
HHC				PP	PP	17 28 43.3	+1.1		
HHC				e	S	17 34 27.2	-1.2		
HHC				SS	SS	17 38 18.7	+0.6		
HHC	comp=Z,10.0nm,0.7s			pmax	pmax				
HHC	comp=Z,110nm,5.1s			pmax	pmax				
HHC	comp=Z,1.1um,18.6s			LR	LR				
HHC	comp=Z,810nm,15.7s			LR	LR				
HHC				LR	LR				
BTO	comp=Z,2.2um,17.7s	57.92	326	eP	P	17 26 39.8	+0.1		
PEA0B	Baotou	58.51	6	eP	P	17 26 42.9	+0.5		
PETK	Petropavlovsk	58.51	6	eP	P	17 26 42.6	-0.8		
PETK	comp=Z,9.7nm,0.8s,baz=173,slow=6.4,SNR=7.5			LR	LR	17 48 48.6			
PETK	comp=Z,574nm,21.6s,baz=181,slow=33			LR	LR	17 48 48.6			
PEA1	Petropavlovsk	58.51	6	eP	P	17 26 42.6	-0.8		
NKL	Nikolayevsk	58.52	354	eP	P	17 27 33.1	+4.5		
NKL				e	S	17 28 50.9			
NKL				eS	S	17 34 40.9	-3.6		
NKL				e	S	17 36 30.3			
NKL	comp=E,7.0nm,1.4s			pmax	pmax				
NKL	comp=Z,24nm,1.4s			pmax	pmax				
NKL	comp=N,33nm,1.7s			pmax	pmax				
NKL	comp=Z,68nm,1.7s			pmax	pmax				
NKL	comp=N,225nm,17.0s			MLR	MLR				
NKL	comp=Z,440nm,20.0s			MLR	MLR				
NKL	comp=E,297nm,16.0s			MLR	MLR				
PET	Petropavlovsk	58.53	7	eP	S	17 26 46.2	+2.7		
PET				eS	LR	17 34 46.2	+1.5		
PET				MLR	MLR				
LZH	Lanzhou	58.94	318	iP	P	17 26 47.0	0.0		
LZH				pP	pP	17 26 56.8	-0.3		
LZH				PP	PP	17 29 02.1	+4.5		
LZH				S	S	17 34 51.1	+0.1		
LZH				sS	pS	17 34 57.5	-5.7		
LZH				SS	SS	17 38 47.0	+1.7		
LZH	comp=Z,19nm,1.1s			pmax	pmax				
LZH	comp=Z,120nm,4.3s			LR	LR				
LZH	comp=Z,500nm,17.4s			LR	LR				
LZH	comp=Z,690nm,17.0s			LR	LR				
LZH	comp=Z,1.1um,18.4s			LR	LR	17 49 44.6			
PPT	Papeete	61.18	107	LR	LR	17 49 44.6			
PPT2	comp=Z,344nm,20.8s,baz=270,slow=32			eS	S	17 35 19.7	-0.6		
PPT2	comp=Z,594nm,29.2s			eLQ	LQ	17 42 22.8			
PPT2	comp=Z,1.1um,25.0s			eLR	LR	17 45 04.6			
ZEA	Zeya	61.48	345	eP	P	17 27 04.6	+0.8		
ZEA				eS	pmax	17 35 26.0	+3.4		
ZEA	comp=Z,80nm,1.8s			pmax	pmax				
ZEA	comp=Z,300nm,4.0s			smax	smax				
ZEA	comp=E,500nm,10.0s			MLR	MLR				
ZEA	comp=N,400nm,16.0s			MLR	MLR				
ZEA	comp=Z,500nm,16.0s			MLR	MLR				
TBI	Tubuai	61.82	114	eS	S	17 35 25.3	-2.8		
TBI	comp=Z,606nm,32.5s			eLQ	LQ	17 42 48.4			
TBI	comp=Z,2.3um,35.5s,baz=282			eLR	LR	17 45 24.9			
SHL	Shilong	63.30	302	eP	P	17 27 14.4	-2.3		
SHL	Shilong	63.30	302	eP	P	17 27 14.4	-2.3		
SHL	comp=Z,170nm,1.3s			pmax	pmax				
SHL	Shilong	63.30	302	eP	P	17 27 14.4	-2.3		
GTA	Gat'ai	63.43	319	eP	P	17 27 16.3	-1.0		
GTA				pP	pP	17 27 20.6	-6.9		
GTA				S	pWP	17 27 53.1	+6.3		
GTA				S	pmax	17 35 53.9	+5.9		
GTA	comp=Z,3.0nm,0.8s			pmax	pmax				
GTA	comp=Z,120nm,5.8s			LR	LR				
GTA	comp=Z,270nm,16.1s			LR	LR				
GTA	comp=Z,370nm,19.6s			LR	LR				

GTA	comp=Z,690nm,19.2s	ULN	ULN	64.38	330	eP	P	17 27 20.8	-2.6
ULN	Ulaanbaatar	64.38	330	eP	P	17 27 20.8	-2.6		
ULN	Ulaanbaatar	64.38	330	eP	P	17 27 22.7	-0.7		
ULN	comp=Z,21nm,2.5s	ULN	ULN	64.38	330	P	P	17 27 23.7	+0.3
ULN	SNR=20	ULN	ULN	64.38	330	P	P	17 27 23.7	+0.3
CIT	Chita	64.48	337	eP	P	17 27 35.0	+1.1		
CIT				e	P	17 27 46.2			
CIT				e	P	17 28 01.1			
SONM0	Songino Array	64.69	330	eP	P	17 27 24.3	-1.1		
SONM1	Songino Array	64.69	330	eP	P	17 27 24.3	-1.1		
SONM2	comp=Z,4.4nm,0.8s,baz=148,slow=4.2,SNR=25	SONM	SONM	64.69	330	P	P	17 27 24.3	-1.1
SONM3	comp=Z,763nm,19.4s,baz=129,slow=36	SONM	SONM	64.69	330	P	P	17 27 24.3	-1.1
LSA	Lhasa	65.39	306	eP	P	17 27 30.2	-0.6		
CASY	Casey	66.61	196	eP	P	17 27 36.0	-1.3		
ZAK	Zakamensk	67.91	330	eP	P	17 27 44.5	-1.4		
ZAK				pmax	pmax				
SEY	Seymchan	67.95	21	eP	P	17 27 45.9	+0.1		
SEY	Talaya	68.56	332	eP	P	17 27 46.7	-3.2		
SEY	comp=Z,17nm,1.2s	SEY	SEY	68.56	332	eP	P	17 27 46.7	-3.2
SEY	Talaya	68.56	332	eP	P	17 27 49.8	-0.1		
SEY				eS	S	17 36 54.9	+5.0		
SEY				pmax	pmax				
SEY	comp=Z,22nm,1.4s	SEY	SEY	68.56	332	eP	P	17 27 49.8	-0.1
SEY	Talaya	68.56	332	eP	P	17 27 50.2	+0.3		
SEY	SNR=11	SEY	SEY	68.56	332	eP	P	17 27 50.2	+0.3
IRK	Irkutsk	68.64	332	eP	P	17 27 44.9	-5.5		
IRK				pmax	pmax				
YAK	Yakutsk	68.64	350	eP	P	17 27 48.0	-2.1		
YAK	comp=Z,60nm,1.6s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	Yakutsk	68.64	350	eP	P	17 27 51.3	+0.2		
YAK				ePP	P	17 28 17.4	+2.6		
YAK				eS	S	17 36 54.6	+4.3		
YAK				eSS	S	17 37 48.3	+1.1		
YAK				eSS	S	17 41 19.7	+4.4		
YAK	comp=Z,14nm,0.9s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=E,6.0nm,1.1s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=N,9.0nm,1.0s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=Z,49nm,3.5s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=N,52nm,3.2s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=E,30nm,3.1s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=N,102nm,4.2s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
YAK	comp=E,51nm,4.2s	YAK	YAK	68.64	350	eP	P	17 27 51.3	+0.2
JIRN	Jiri	68.80	302	eP	P	17 27 54.0	+0.5		
BOD	Bodaibo	68.84	341	eP	P	17 27 52.0	+0.5		
BOD				pmax	pmax				
GUN	Gumba	69.14	302	eP	P	17 27 56.7	+2.3		
PKI	Pulchoki	69.43	302	eP	P	17 27 57.9	+1.7		
PKI	comp=Z,114nm,1.2s	PKI	PKI	69.43	302	eP	P	17 27 57.9	+1.7
PKI	Phulchoki	69.44	302	eP	P	17 27 57.7	+1.5		
PKI	Kakani	69.60	302	eP	P	17 27 59.1	+2.0		
PKI	comp=Z,95nm,1.0s	PKI	PKI	69.60	302	eP	P	17 27 59.1	+2.0
PKI	Daman	69.70	302	eP	P	17 27 59.9	+2.1		
PKI	comp=Z,192nm,1.1s	PKI	PKI	69.70	302	eP	P	17 27 59.9	+2.1
MOY	Mondy	69.84	330	eP	P	17 27 57.7	-0.2		
MOY				pmax	pmax				
GKN	Gorkha	70.21	302	eP	P	17 28 02.6	+1.8		
TAE	Nuku Hiva Isla	70.28	98	eLR	LR	17 49 24.0			
TAE	comp=Z,700nm,26.8s	TAE	TAE	70.28	98	eLR	LR	17 49 24.0	
KOLN	Koldanda	71.02	302	eP	P	17 28 06.8	+1.0		
KOLN	comp=Z,132nm,1.0s	KOLN	KOLN	71.02	302	eP	P	17 28 06.8	+1.0
KOLN	Pyiuthan	71.63	302	eP	P	17 28 10.3	+0.8		
KOLN									

VWDT	baz=234	eS	Sn	18 16 35.5	0.0
NMLH	baz=234	eP	Pn	18 16 15.1	+1.2
NMLH	Miaoiti	eP	Pn	18 16 35.6	-0.2
DPDB	baz=264	eP	Pn	18 16 15.4	+1.3
DPDB	Guoxing	eP	Pn	18 16 36.5	+0.2
EHY	baz=245	eS	Sn	18 16 14.3	+0.1
EHY	Hungye	eS	Sn	18 16 34.6	-1.8
NSY	baz=223	eP	Pn	18 16 14.5	+0.1
NSY	Sanyi	eP	Pn	18 16 37.6	+0.8
TWQ1	baz=259	S	Sn	18 16 15.0	+0.6
TWQ1	Liyutan	eP	Pn	18 16 37.2	+0.4
PTSB	baz=257	eS	Sn	18 16 16.1	+1.1
PTSB	Yuanli	eS	Sn	18 16 37.5	-0.3
SMLT	baz=261	eS	Sn	18 16 16.7	+1.5
SMLT	Sun Moon Lake	P	Pn	18 16 39.8	+1.6
SSLB	baz=241	P	Pn	18 16 16.7	+1.5
SSLB	Suanglung	eS	Sn	18 16 38.3	+0.1
YULB	baz=238	eP	Pn	18 16 15.5	+0.1
YULB	Yu-li	eS	Sn	18 16 37.6	-1.0
TWF1	baz=221	eP	Pn	18 16 15.7	-0.1
TWF1	Yuli	S	Sn	18 16 38.5	-0.7
WDJ	baz=220	eP	Pn	18 16 16.9	+1.1
WDJ	Dajia District	eS	Sn	18 16 39.4	0.0
WHYT	baz=258	P	Pn	18 16 18.1	+1.4
WHYT	Xinyi Township	eS	Sn	18 16 41.4	+0.4
WJS	baz=237	eP	Pn	18 16 17.9	+0.8
WJS	Zhushan	eS	Sn	18 16 42.1	+0.4
WNT	baz=242	eS	Sn	18 16 18.6	+1.4
WNT	Mingjian	eS	Sn	18 16 42.1	+0.2
YUS	baz=244	eP	Pn	18 16 19.0	+1.2
YUS	Yu-Shan	eS	Sn	18 16 42.2	-0.6
WCHH	baz=230	eP	Pn	18 16 18.7	+1.1
WCHH	Zhanghua	eS	Sn	18 16 43.8	+1.3
CHKT	baz=251	eP	Pn	18 16 17.6	-0.1
CHKT	Chengkung	eS	Sn	18 16 41.4	-1.3
JTJ	baz=214	eP	Pn	18 16 18.7	+0.9
JTJ	Tarama	eS	Sn	18 16 43.8	+0.9
CHNS	baz=237	eP	Pn	18 16 20.4	+1.3
CHNS	Tsauling	eS	Sn	18 16 45.3	+0.1
ELDTW	baz=237	eP	Pn	18 16 19.4	-0.1
ELDTW	Lidau	eS	Sn	18 16 45.6	-0.2
WGK	baz=223	eP	Pn	18 16 21.1	+1.5
WGK	Gukeng	eS	Sn	18 16 47.6	+1.5
WDLH	baz=240	eP	Pn	18 16 20.7	+0.9
WDLH	Douliu	eS	Sn	18 16 46.5	+0.1
RLNB	baz=241	eP	Pn	18 16 21.1	+0.6
RLNB	Erlin	eS	Sn	18 16 47.9	+0.2
CHN2	baz=248	eP	Pn	18 16 22.3	+0.9
CHN2	Minshiang	eS	Sn	18 16 49.4	+0.1
TPUB	baz=238	eP	Pn	18 16 23.0	+1.3
TPUB	Ta-pu	eS	Sn	18 16 50.1	+0.3
STYT	baz=231	eP	Pn	18 16 22.2	+0.4
STYT	Tauyuan	eS	Sn	18 16 50.1	+0.2
CHY	baz=227	eP	Pn	18 16 22.8	+0.6
CHY	Chiayi	eS	Sn	18 16 49.9	-0.8
WTP	baz=238	eP	Pn	18 16 23.1	+0.7
WTP	Ta-pu	eS	Sn	18 16 50.6	-0.3
TWGBT	baz=230	eP	Pn	18 16 21.6	+1.6
TWGBT	Beinan	eS	Sn	18 16 50.8	-0.5
TWG	baz=216	eP	Pn	18 16 22.7	+0.2
TWG	Pinlang	S	Sn	18 16 51.5	+0.2
TTN	baz=216	eP	Pn	18 16 23.6	+0.9
TTN	Taitung	eS	Sn	18 16 51.3	-0.3
JIRB	baz=213	eP	Pn	18 16 52.1	-0.4
JIRB	Irabujima	S	Sn	18 16 24.5	+1.2
TSW	baz=232	eP	Pn	18 16 52.1	-0.5
TSW	Hsiung	eS	Sn	18 16 23.9	+0.6
WSF	baz=243	eP	Pn	18 16 53.4	+0.6
WSF	Szhu	eS	Sn	18 16 25.0	+1.4
CHN1	baz=231	eP	Pn	18 16 54.0	+0.9
CHN1	Nanshi	eS	Sn	18 16 25.4	+1.8
SNST	baz=232	eP	Pn	18 16 53.2	+0.1
SNST	Tainan City	eS	Sn	18 16 25.8	+1.9
SGST	baz=228	eP	Pn	18 16 53.9	+0.2
SGST	Jiashan	eS	Sn	18 16 25.7	+1.5
SLGT	baz=226	eP	Pn	18 16 55.1	+1.0
SLGT	Liugui	eS	Sn	18 16 54.1	-0.1
JMKM	baz=226	eP	Pn	18 16 24.5	0.0
JMKM	Ikemajima	eS	Sn	18 16 24.5	0.0
JMKM	Miyako jima 2	eP	Pn	18 16 54.0	-1.0
JMKM	JMK	eS	Sn	18 16 26.5	+1.5
JMKM	JMK	eS	Sn	18 16 56.3	+0.6
CHN8	baz=237	eP	Pn	18 16 25.8	+0.5
CHN8	Yiju	eS	Sn	18 16 56.1	-0.2
ECL	baz=237	eP	Pn	18 16 25.8	+0.1
ECL	Taimali	eS	Sn	18 16 55.3	-1.6
JOGS	baz=215	eP	Pn	18 16 58.3	+1.0
JOGS	Gusukube	eS	Sn	18 16 27.8	+1.2
SSD	baz=222	eP	Pn	18 16 58.0	-0.5

SSD	baz=222	eS	Sn	18 16 58.0	-0.5
PTTC	baz=287	eP	Pn	18 16 26.4	-0.3
PTTC	Pingtang	eS	Sn	18 16 57.3	-1.6
TWMT	baz=287	eP	Pn	18 16 28.5	+0.9
TWMT	Shoushan	eS	Sn	18 16 59.0	-1.3
MASBT	baz=226	eP	Pn	18 16 29.2	+1.3
MASBT	Mashibuluo	eS	Sn	18 17 00.8	0.0
MASBT	baz=220	eS	Sn	18 17 00.8	0.0
SGLT	baz=220	eP	Pn	18 16 28.7	+0.8
SGLT	Jiouru	eS	Sn	18 17 00.7	-0.1
MATB	baz=223	eP	Pn	18 16 29.1	+0.8
MATB	Ma-tsu	eS	Sn	18 17 01.9	+0.3
EAST	baz=301	eP	Pn	18 16 30.6	+1.9
EAST	Anshuo	eS	Sn	18 17 01.5	-0.8
LAY	baz=214	eP	Pn	18 16 28.3	-0.6
LAY	Lan-yu	eS	Sn	18 17 00.7	-1.9
SSPT	baz=199	eP	Pn	18 16 30.9	+1.3
SSPT	Xinbi	eS	Sn	18 17 03.5	-0.5
SCZT	baz=219	eP	Pn	18 16 30.9	+0.5
SCZT	Fangliu	eS	Sn	18 17 05.3	0.0
PNG	baz=217	eP	Pn	18 16 30.6	-0.3
PNG	Penghu	eS	Sn	18 17 05.5	-0.9
PHUB	baz=247	eP	Pn	18 16 30.4	-0.6
PHUB	Peng-hu	eS	Sn	18 17 04.5	-2.0
WDGT	baz=246	eP	Pn	18 16 31.9	+0.4
WDGT	Dungji	eS	Sn	18 17 06.9	-0.5
XPSS	baz=315	eP	Pn	18 16 33.1	+0.8
XPSS	Dashiqiu	eS	Sn	18 17 07.9	-0.9
LYJJ	baz=305	eP	Pn	18 16 34.0	+1.0
LYJJ	Jianjiangzhen	eS	Sn	18 17 08.6	-1.3
PTMZ	baz=276	eP	Pn	18 16 32.6	-0.6
PTMZ	Houxiangcun	eS	Sn	18 17 09.3	-1.0
HEN	baz=212	eP	Pn	18 16 34.4	+0.9
HEN	Hengchun	eS	Sn	18 17 10.0	-0.9
TSEB	baz=209	eP	Pn	18 16 35.1	+1.4
TSEB	Hengchun, Pin	eS	Sn	18 17 11.3	0.0
TWKBT	baz=210	eP	Pn	18 16 35.2	+1.4
TWKBT	Hengchun	eS	Sn	18 17 09.5	-2.0
TWK1	baz=210	eP	Pn	18 16 34.9	+1.1
TWK1	Hengchun	eS	Sn	18 17 10.3	-1.1
VCHM	baz=242	eP	Pn	18 16 33.5	-0.8
VCHM	Qimei	eS	Sn	18 17 10.7	-1.7
MHZO	baz=293	eP	Pn	18 16 38.2	+0.5
MHZO	Yeshan	eS	Sn	18 17 18.4	0.0
KNMB	baz=266	eP	Pn	18 16 41.8	-0.2
KNMB	Chin-men Tao	eS	Sn	18 17 24.0	-2.1
AXDP	baz=272	eP	Pn	18 16 47.5	+0.6
AXDP	Jialang	eS	Sn	18 17 34.1	-0.9
ZPLA	baz=260	eP	Pn	18 16 50.6	-0.1
ZPLA	Ao Xicun	eS	Sn	18 17 39.4	-2.3
ZZJH	baz=295	eP	Pn	18 16 52.5	+1.4
ZZJH	Jiuhuzhen	eS	Sn	18 17 04.7	-0.9
JOW	baz=67	eP	Pn	18 18 04.8	-3.6
JOW	Kunigami	eS	Sn	18 18 04.8	-3.6

BUI 10 18:17:58.6:0.0,37.98N;142.23E,h46km,mb4.7/45, mb4.8/29,Ms4.0/10,Ms7 3.7/9
 NIED 10 18:18:00.38:30N;141.90E,h50km,Mw4.4 Best double couple: M4.940000;1015 NP1:0.225,00000;0.17,00000; 1.34,00000. NP2:0.359,00000;0.78,00000;1.78,00000.
 MOS 10 18:18:02.0:1.0,38.34N;141.89E,h47km,mb4.8/52, Error ellipse: s-maj=7.2km s-min=4.9km az=103.3
 ISCJB 10 18:18:02.1:0.4,38.31N;141.90E,h47km,mb4.8/52, Error ellipse: s-maj=5.2km s-min=3.2km az=36.1
 NEIC 10 18:18:03.4:1.8,38.32N;141.90E,h48km,mb4.6/84, Error ellipse: s-maj=13.1km s-min=8.2km az=119.0
 NEIC Recorded [3 JMA] in Miyagi.
 JMA 10 18:18:03.7:0.1,38.32N;141.85E,h47km,mb4.5/84, Broadband fault plane solution: P waves. NP1: 0.347,00000;0.359,00000;1.79,00000. NP2: 0.188,00000;0.339,00000;1.108,00000. Principal axes: T P1g74.0000; Azm227.0000; N P1g10.0000; Azm353.0000; P P1g13.0000; Azm85.0000.
 JMA Felt III J1.
 IDC 10 18:18:05.1:1.8,38.29N;141.80E,h60km,16km,mb4.0/25, mb1 4.2/32,mb1mx4.2/45,mbtmp4.3/32,MS3.6/6, Ms1 3.7/6,ms1mx3.2/32 Error ellipse: s-maj=13.8km s-min=11.0km az=109.0
 ISC 10 18:18:02.8:0.8,38.30N;141.99E;0.05,h46km,6km, m279,01s1/292,mb4.6/136,MS3.9/5,12C-21D, Near east coast of eastern Honshu

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
JIKH	Ishinomakikobu	0.41	272	Op	ISC	h	n
JIKH	JIKH			S	Pn	18 18 12.6	-0.1
JIO	Ouri	0.52	288	Op	S	18 18 17.7	-1.0
JIO	JIO			S	Pn	18 18 13.8	-0.3
JKMT	Kesennumamotoy	0.65	322	Op	S	18 18 20.8	-1.4
JKMT	JKMT			S	Pn	18 18 15.8	0.0
OFUJ	Ofunato	0.82	343	Op	Pn	18 18 24.1	-1.0
OFUJ	OFUJ			S	Pn	18 18 28.5	-0.6
JMK	Ichinoseki	0.89	318	Op	S	18 18 19.0	+0.1
JMK	JMK			S	Pn	18 18 29.6	-1.1
JMM	Marumori	1.03	246	Op	Pn	18 18 20.2	-0.7
JMM	JMM			S	Pn	18 18 31.5	-2.7
JOU	Okura	1.04	274	Op	S	18 18 20.7	-0.3
JOU	JOU			S	Pn	18 18 33.4	-1.1
JFK	Kawauchi	1.28	224	Op	S	18 18 23.9	-0.4
JFK	JFK			eS	Pn	18 18 38.9	-1.4
JOM	Ohasama	1.29	335	Op	Pn	18 18 24.9	+0.4
JOM	JOM			eS	Sn	18 18 40.5	-0.1
JYK	Kaneyama	1.42	296	Op	Pn	18 18 26.0	-0.1
JYS	Shirataka	1.51	268	Op	Pn	18 18 27.3	-0.2
JYS	JYS			eS	Pn	18 18 45.0	-1.0
JFT	Otama	1.52	240	Op	Pn	18 18 27.5	0.0
JFT	JFT			eS	Pn	18 18 44.6	-1.5
JRG	Rokugo	1.52	317	Op	Pn	18 18 27.8	+0.2
MJAR	Matsushiro Arr	3.48	241	P	Pn	18 18 55.4	+0.9
MJAR	MJAR			S	Sn	18 19 39.3	+4.9

MJAR	3.1nm,0.3s,ba=341,slow=21,SNR=4.5	LR	LR	18 20 29.9		
MAJO	comp=Z,1um,19.7s,ba=50,slow=44					
MAJO	Matsushiro	3.48 241	eP	Pn	18 18 55.7	+1.2
MAJO	Matsushiro	3.48 241	d/P	Pn	18 19 39.3	+4.9
MAT	Matsushiro	3.48 241	P	Pn	18 18 55.8	+1.3
MAT	MAT		S	Pn	18 18 55.8	+1.3
MJR9	Matsu-Tunnel	3.48 241	eP	Pn	18 19 35.5	+1.2
ERM	ERimo	3.82 13	eP	Pn	18 18 55.5	+1.0
ERM	ERM	3.82 13	eP	Pn	18 18 59.7	+0.5
INU	Inuyama	4.95 235	eP	Pn	18 18 58.4	+0.3
JHJ2	Mitsune	5.47 199	eP	Pn	18 19 16.3	+1.6
JHJ	Hachijo jima 2	5.47 200	P	Pn	18 19 21.8	+0.1
JHJ	92nm,0.3s,ba=317,slow=22,SNR=27		S	Sn	18 19 21.9	+0.1
JHJ	78nm,0.3s,ba=224,slow=22,SNR=7.0		S	Sn	18 20 20.9	-2.5
ASAJ	Asahikawa	5.83 4	P	Pn	18 19 27.6	+0.8
ASAJ	5.0nm,0.3s,ba=213,slow=12,SNR=62		S	Sn	18 20 32.1	-0.2
ASAJ	2.9nm,0.3s,ba=255,slow=19,SNR=3.8		S	Sn	18 20 32.1	-0.2
GRPR	Tuman	6.37 25	l/P	Pn	18 19 33.8	-0.2
GRPR	GRPR		i/S	Pn	18 20 40.9	-4.5
GRPR	comp=N,88nm,0.2s		pmax	pmax		
GRPR	comp=Z,193nm,0.2s		pmax	pmax		
GRPR	comp=N,217nm,0.4s					

10d 18h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like WAKE ISLAND, ZAK, TLY, GTA, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like ARSB, KK31, KKAR, SVE, GAR, NIL, GSI, ARU, ARU, KBL, ABKAR, WRAB, WB2, WR1, PRGR, AS31, ASAR, YKA, YKB5, ARAO, ARCES, GEYT, OBN, FIAO, FIAO, FINES, STKA, KIV, KIV, KBZ, BEKR, FFC, FFC, CMB, CMB, YERR, NC204, NB201, NB2, NB200, NAO01, BOZ, BOZ, AKASG, AKKB, AKKB, KVN, KVN, MDPB, NV01, NVAR, HVU, HVU, R11A, TPNV, TPNV, DUG, DUG, BW06, PDAR, PSUT, BUR08, P17A, LCMT, MTPU, KOLS, KOLS, SRU, SRU, SRU.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like OJC, OJC, BR101, BRTR, PV21, MORC, MORC, MORC, MORC, DPC, DPC, PV22, PV20, PV19, PV17, PV16, PV11, PV05, PV18, PV03, PV13, PSZ, PSZ, VYHS, VYHS, Y14A, PV01, JAVG, BRG, BRG, CLL, CLL, CLL, VRCAC, VRCAC, KRUC, KRUC, KRUC, RAYN, RAYN, RAYN, X16A, TREC, TREC, TREC, KHC, KHC, GERES, WET, WET, VTS, VTS, ARSA, SOKA, KBA, KBA, KBA, MYKA, WTTA, MOTA, RETA, LIT, LIT, BFO, FETA, DAVA, ECH, ECH, ECH, TXAR, DLRN, KEST, TOA1, TORD, VNA2, VNA3, VNA1, LPAZ.

ISCJB 10 18:19:41.0z,0.2,21:60S:0:03:68:30W:0:03,h105km,2km, mb4.7/12, Error ellipse: s-maj=4.8km s-min=3.2km az=36.9. NEIC 10 18:19:42.0z,0.0,21:70S:68:62W,h123km,mb4.7/128, M4.5(GUC),After GUC. IDC 10 18:19:42.1z,0.8,21:62S:68:24W,h99km,7km,mb4.3/16, mb1.4.5/20,mb1mx4.4/30,mbtmp4.7/20,MS3.5/1, Ms1.3.5/1,ms1mx3.1/16,Error ellipse: s-maj=13.6km s-min=11.4km az=95.0. MOS 10 18:19:42.6z,1.4,21:72S:68:30W,h113km,mb4.6/24, Error ellipse: s-maj=13.6km s-min=7.1km az=108.5. VAO 10 18:19:42.9z,0.4,21:78S:68:38W,h120km,4km,mb5.0 GUC 10 18:19:42.9z,0.6,21:70S:68:62W,h123km,4km,ML4.5 BJI 10 18:19:43.0z,0.0,21:70S:68:40W,h99km,mb5.4 SJA 10 18:19:43.3z,0.6,21:73S:68:51W,h110km,6km,ML3.9, MW3.2. ISC 10 18:19:42.7z,0.6,21:74S:04:68:41W,0.05,h109km,5km,n543,1912/566,mb4.7/142,17C-8D,Chile-Bolivia border region. Code Station Name Az AzZ Phase ID Time Res ISC h m s Res

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PB09	eS	Sn	18 20 16.9 +0.6
PB09	IPOC Station P	Pn	18 20 02.6 +0.7
PB09	iS	Sn	18 20 16.9 +0.6
PB09	IAML		18 20 19.0
LVC	comp=N,9um,0.6s	Pn	18 20 05.3 +1.1
LVC	comp=N,2um,0.3s,baz=21,slow=8,SNR=6496	S	18 20 21.5 +1.2
LVC	comp=N,850nm,0.3s,baz=90,slow=20,SNR=11	LR	18 20 41.9
LVC	comp=N,1um,20.8s,baz=255,slow=5	LR	18 20 05.1 +0.9
LVC	Limon Verde	ePn	18 20 05.2 +1.1
LVC	Limon Verde	ePn	18 20 21.3 +1.0
LVC	Limon Verde	eS	18 20 05.3 +0.9
LVC	Limon Verde	ePn	18 20 05.1 +1.1
LVC	Limon Verde	iS	18 20 21.6 +1.4
LVC	Limon Verde	ePn	18 20 05.4 +1.3
PB01	IPOC Station P	ePn	18 20 06.1 -0.3
PB01	IPOC Station P	Pn	18 20 05.1 -1.2
PB01	IPOC Station P	iS	18 20 23.4 -0.8
PB01	IAML		18 20 25.2
PB03	comp=N,9um,0.3s	Pn	18 20 07.2 0.0
PB03	IPOC Station P	ePn	18 20 07.2 0.0
PB03	IPOC Station P	iS	18 20 25.3 -0.4
PB03	IAML		18 20 26.5
PB07	comp=E,7um,0.5s	Pn	18 20 07.9 -0.3
PB07	IPOC Station P	iS	18 20 27.7 -0.7
PB07	IAML		18 20 29.1
PB02	comp=N,7um,0.5s	Pn	18 20 08.6 -0.4
PB02	IPOC Station P	iS	18 20 27.7 -1.1
PB02	IAML		18 20 29.5
PB06	comp=N,11um,0.6s	Pn	18 20 09.8 +0.7
PB06	IPOC Station P	ePn	18 20 09.7 +0.7
PB06	IPOC Station P	iS	18 20 29.9 +0.9
PB04	IPOC Station P	ePn	18 20 12.0 -0.3
PB04	IPOC Station P	iS	18 20 12.0 -0.3
PB04	IAML		18 20 34.1 -0.8
PB04	IAML		18 20 39.2
PB15	comp=N,7um,0.6s	Pn	18 20 14.3 +1.3
PB15	IPOC Station P	eS	18 20 37.3 +1.4
PB15	IPOC Station P	iS	18 20 13.9 +0.9
PB15	IAML		18 20 37.1 +1.2
PB05	IPOC Station P	iS	18 20 15.5 -0.3
PB05	IAML		18 20 40.2 -0.8
PB05	IAML		18 20 49.0
GO01	Chusmiza	ePn	18 20 19.0 +0.5
GO01	Chusmiza	iP	18 20 19.2 +0.6
GO01	Chusmiza	eS	18 20 46.9 +1.0
PB11	IPOC Station P	ePn	18 20 18.7 -0.8
PB11	IPOC Station P	iS	18 20 19.3 -0.2
PB11	IAML		18 20 46.7 -1.0
PB11	IAML		18 20 49.5
PB10	comp=N,5um,0.5s	Pn	18 20 22.9 -1.3
PSGC	IPOC Station P	iS	18 20 58.6
PSGC	Pisagua	IAML	18 20 29.2 +3.8
YJA	Yavi	ePn	18 21 07.1
YJA	IAML		18 20 26.0 -0.6
MNMC	Minye Minye	ePn	18 20 26.5 -0.1
MNMC	Minye Minye	iP	18 21 08.4
MNMC	IAML		18 20 34.7 +3.5
HJA	Humahuaca	ePn	18 20 36.7
HJA	IAML		18 20 36.5 -0.2
GO02	Mina Guanaco	ePn	18 20 48 +3.2
AZAP	Zapla	ePn	18 20 45.3 +3.1
SLA	San Lorenzo	ePn	18 20 56.3 +2.6
Cafayete	Cafayete	ePn	18 21 03.5 +1.5
LPAZ	La Paz	ePn	18 21 54.2 -9.3
LPAZ	comp=Z,6.8nm,0.3s,baz=183,slow=7.5,SNR=77	S	18 21 03.8 +1.8
LPAZ	comp=Z,0.7nm,0.3s,baz=134,slow=5,SNR=21	S	18 21 08.2 +2.3
LPAZ	La Paz	ePn	18 21 07.7 -2.3
AHML	Horcio Molle	ePn	18 21 26.1 -4.1
GO03	Copiap	ePn	18 21 27.9 -2.4
LCO	Las Campanas	ePn	18 21 41.6 -4.0
LCO	Las Campanas	ePn	18 21 47.6 -2.2
LCO	Las Campanas	ePn	18 21 26.1 -4.1
LCO	Las Campanas	ePn	18 21 27.9 -2.4
LCO	Tololo Observa	ePn	18 21 41.6 -4.0
SI04	San Ignacio	ePn	18 21 47.6 -2.2
CFA	comp=Z,4nm,0.3s,baz=246,slow=12,SNR=742	S	18 21 58.9 -2.2
CFA	Coronel Fontan	ePn	18 23 43.8 -5.8
CFA	comp=Z,2.8nm,0.3s,baz=357,slow=18,SNR=48	S	18 26 09.3
CFA	comp=Z,5.3nm,0.3s,baz=263,slow=20,SNR=5.5	S	18 22 17.6 -0.7
CPUP	comp=Z,276nm,22.0s,baz=50,slow=59	LR	18 22 17.1 -1.3
CPUP	Villa Florida	ePn	18 22 17.1 -1.3
CPUP	Villa Florida	ePn	18 22 17.1 -1.3
AQDB	Aquidauana	ePn	18 22 27.5 -1.8
TRCB	Terra Rica	ePn	18 23 04.2 -0.5
C2SB	Chapadao do Su	ePn	18 23 06.4 -1.6
CPSP	Cacapava Do Su	ePn	18 23 20.7 -0.5
CLD	Colider	ePn	18 23 23.0 -1.3
PLTB	Pedras Altas	ePn	18 23 26.0 -2.1
ITRB	Iturama	ePn	18 23 33.6 -0.5
TRQA	Tornquist	ePn	18 23 35.3 -0.7
TRQA	Tornquist	ePn	18 23 35.3 -0.7
TRQA	comp=Z,29nm,0.6s	P	18 23 35.0 -1.0
TRQA	Tornquist	ePn	18 23 38.2 -0.2
OGAU	Aigu	ePn	18 23 40.8 +1.2
ATAH	Alathualpa	ePn	18 23 40.4 +0.5
FRTB	Fartura	ePn	18 23 38.8 -1.2
CNLB	Canela	ePn	18 23 50.7 -0.2
BB19B	Bebedouro	ePn	18 23 56.6 +0.4
PLCA	Paso Flores	ePn	18 23 57.0 +0.8
PLCA	comp=Z,30nm,0.3s,baz=30,slow=12,SNR=34	P	18 23 57.0 +0.8
PLCA	Paso Flores	ePn	18 23 57.0 +0.8
PLCA	comp=Z,33nm,0.8s	P	18 23 54.7 -1.5
PLCA	Paso Flores	ePn	18 24 00.1 -0.8
RCLB	Rio Claro- Sao	ePn	18 24 00.5 -1.1
SPB	Sao Paulo	ePn	18 24 08.5 -1.1
SPB	Sao Paulo	ePn	18 24 08.5 -1.1
BDFB	Brasilia	ePn	18 24 08.5 -1.1
BDFB	Brasilia	ePn	18 24 08.5 -1.1
BDFB	Brasilia	ePn	18 24 08.5 -1.1
PMNB	Patos De Minas	ePn	18 24 13.0 -1.0
PARB	Parabuna	ePn	18 24 17.9 -0.9
PEXB	Peixe	ePn	18 24 20.6 -2.0
BSCB	Bom Sucesso	ePn	18 24 27.6 -0.9
ESAR	Angra dos Reis	ePn	18 24 28.9 -1.3
PTGA	Pitinga	ePn	18 24 30.5 -2.3
PTGA	Pitinga	ePn	18 24 30.7 -2.1
PTGA	comp=Z,56nm,1.4s	P	18 24 30.1 -2.7
PTGA	Pitinga	ePn	18 24 30.1 -2.7
SMTE	Santa Maria do	ePn	18 24 48.2 -0.7
DUB01	Friburgo-RJ	ePn	18 24 50.9 -1.0
GUVB	San Jose del G	ePn	18 25 01.1 -1.9
SJMB	Sao Joao De Ma	ePn	18 25 03.2 -0.9
ALF01	Guarapari-ES	ePn	18 25 02.2 -1.4
ESFB	Barra de Sao F	ePn	18 25 04.4 -3.2
WILC	Wivricencio,	ePn	18 25 04.4 -3.2
RIB01	Linhares ES	ePn	18 25 07.4 -1.2
ORTC	Ortega, Tolima	ePn	18 25 08.6 -0.2
AGZ	La Independenc	ePn	18 25 10.3 -2.6
GYVC	Guyana, Caidas	ePn	18 25 20.4 -0.5
RUSC	La Rusia	ePn	18 25 24.1 -1.3
PUERTO	PUERTO BERRIO	ePn	18 25 24.6 -5.3
PAMC	Pamplona, Colo	ePn	18 25 33.9 -0.8
SOCV	Socops	ePn	18 25 35.4 -4.2
SDV	Santo Domingo	ePn	18 25 46.5 -0.3

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SMLC	San Martn de	30.85 349 eP	P	18 25 44.9 -3.9
EFI	East Falkland	30.95 1671 eP	P	18 25 49.6 +0.4
EFI	pmx			
SJCC	comp=Z,7.0nm,0.6s			
USHA	San Jacinto, C	32.13 347 eP	P	18 25 58.4 -1.6
USHA	Usuhua	33.05 180 P	P	18 26 08.3 +0.8
RCBR	comp=Z,9.0nm,0.8s,baz=187,slow=0.9,SNR=3.9	35.19 68 eP	P	18 26 26.2 -0.4
RCBR	Riachuelo	35.19 68 eP	P	18 26 26.3 -0.4
RCBR	Riachuelo	35.19 68 eP	P	18 26 26.3 -0.4
RCBR	comp=Z,48nm,0.9s			
RCBR	Riachuelo	35.19 68 eP	P	18 26 26.3 -0.4
PMIA	Palmas Station	43.12 177 eP	P	18 27 30.8 -1.0
CMIG	Maites Romero	46.49 324 P	P	18 27 59.9 +0.6
454A	Quitman	54.16 344 P	P	18 28 56.5 -0.3
453A	Whigham	54.48 343 P	P	18 28 59.2 +0.2
353A	Camilla	54.91 343 P	P	18 29 01.8 -0.4
352A	Blakely	55.23 343 P	P	18 29 04.1 -0.3
254A	Abbeville	55.25 345 P	P	18 29 04.2 -0.4
LNIG	Linares	55.31 325 eP	P	18 29 04.5 -0.7
155A	Kite	55.70 346 P	P	18 29 07.9 +0.1
Z58A	St. Stephen	55.83 348 P	P	18 29 09.2 +0.5
251A	Midway	55.94 343 P	P	18 29 09.4 -0.2
Z57A	Bowman	55.97 348 P	P	18 29 10.3 +0.6
249A	Camden	56.33 341 P	P	18 29 11.5 -0.8
Y58A	Scranton	56.36 349 P	P	18 29 12.3 -0.2
Z54A	Sparta	56.37 345 P	P	18 29 12.5 -0.1
Z53A	Monticello	56.59 345 P	P	18 29 13.8 -0.3
150A	Eclectic	56.60 342 P	P	18 29 13.9 -0.3
GOGA	comp=Z,61,SNR=7.1	56.69 345 P	P	18 29 14.6 -0.2
149A	Jones	56.81 341 P	P	18 29 15.5 -0.2
Y55A	Saluda	56.83 347 P	P	18 29 15.9 +0.2
Y54A	Tignall	56.94 346 P	P	18 29 16.2 -0.4
148A	Greensboro	57.09 341 P	P	18 29 17.5 -0.2
Z50A	Ashland	57.18 343 eP	P	18 29 17.8 -0.5
Z50A	Ashland	57.18 343 eP	P	18 29 18.1 -0.2
X56A	White Oak	57.19 348 P	P	18 29 18.7 +0.3
BIRD	Birdtown, Kers	57.23 348 eP	P	18 29 18.3 -0.3
Y52A	comp=Z,17nm,0.9s	57.27 345 P	P	18 29 18.4 -0.5
LRAL	Lakeview Retre	57.28 341 eP	P	18 29 17.9 -1.2
LRAL	Lakeview Retre	57.28 341 eP	P	18 29 18.1 -0.9
X55A	Gracelyn & Ava	57.29 347 P	P	18 29 19.1 0.0
Z49A	Columbiana	57.30 342 P	P	18 29 18.8 -0.3
W58A	Raeoford	57.37 349 P	P	18 29 20.1 +0.5
X54A	Belton	57.52 346 P	P	18 29 20.6 -0.1
Y51A	Rockmart	57.56 344 P	P	18 29 20.4 -0.6
W57A	Gilead	57.63 349 P	P	18 29 21.8 +0.4
W56A	Indian Trail	57.73 348 P	P	18 29 22.5 +0.4
Y50A	Piedmont	57.73 343 P	P	18 29 21.9 -0.3
HKT	Hockley	57.77 332 P	P	18 29 23.6 +1.2
KM5C	comp=Z,5.0nm,0.9s	57.88 348 eP	P	18 29 22.9 -0.3
KM5C	Kings Mountain	57.88 348 P	P	18 29 22.9 -0.3
Y49A	Blount Mountai	57.88 342 eP	P	18 29 22.6 -0.7
Y49A	Blount Mountai	57.88 342 P	P	18 29 23.0 -0.3
W54A	Cherokee Point	58.00 347 P	P	18 29 24.0 0.0
833A	Chaparral WMA,	58.07 328 P	P	18 29 24.9 +0.3
V58A	Windy Hill, Pi	58.11 350 P	P	18 29 25.1 +0.3
X51A	Calhoun	58.13 344 eP	P	18 29 24.5 -0.4
X51A	Calhoun	58.13 344 eP	P	18 29 24.8 -0.1
Y48A	Jasper	58.15 342 P	P	18 29 24.6 -0.5
W53A	Cullowee	58.30 346 P	P	18 29 26.7 +0.4
V57A	Coltrane Farms	58.31 349 P	P	18 29 26.0 -0.2
V56A	Mocksville	58.37 348 eP	P	18 29 27.3 +0.7
V56A	Mocksville	58.37 348 P	P	18 29 26.7 +0.2
W52A	Murphy	58.41 345 eP	P	18 29 26.7 -0.2
W52A	Murphy	58.41 345 P	P	18 29 26.4 -0.5
V55A	Taylorsville	58.54 348 P	P	18 29 27.8 0.0
X54A	Nebo	58.62 347 P	P	18 29 27.9 -0.5
X48A	Hartselle	58.62 342 eP	P	18 29 27.9 -0.4
X48A	Hartselle	58.62 342 P	P	18 29 27.4 -0.9
W51A	Cleveland	58.67 344 P	P	18 29 28.1 -0.6
V53A	Saluda	58.70 346 eP	P	18 29 29.0 +0.1
V53A	Saluda	58.70 346 P	P	18 29 29.2 +0.2
U57A	Blanch	58.77 350 P	P	18 29 29.4 +0.1
W50A	Signal Mountai	58.85 344 eP	P	18 29 29.5 -0.5
U56A	Signal Mountai	58.85 344 P	P	18 29 29.6 -0.4
W50A	King	58.87 349 P	P	18 29 30.4 +0.3
CPCT	Cooper Cave	58.89 345 eP	P	18 29 29.1 -1.1
X47A	Dunwellville	58.92 341 P	P	18 29 29.2 -1.2
T59A	Double "B" Far	59.02 351 P	P	18 29 31.4 +0.3
W49A	Belvidere	59.03 343 P	P	18 29 30.4 -0.8
SWET	Sewanee	59.03 343 eP	P	18 29 30.3 +0.9
V52A	Sevierville	59.04 346 eP	P	18 29 30.6 -0.7
V52A	Sevierville	59.04 346 P	P	18 29 30.7 -0.6
U55A	Grand View Acr	59.14 351 P	P	18 29 32.1 +0.2
T58A	TA2, Sparta	59.14 348 P	P	18 29 32.0 0.0
V51A	Loudon	59.18 345 P	P	18 29 31.6 -0.6
W48A	Blount	59.23 342 P	P	18 29 31.8 -0.8
V50A	Pikeville	59.24 344 P	P	18 29 31.8 -0.8
U54A	Nelsons Funny	59.31 347 eP	P	18 29 33.2 +0.1

comp=Z,26nm,0.8s				
U54A	Nelsons Funny	59.31 347 P	P	18 29 33.8 +0.6
U53A	Fall Branch	59.32 347 P	P	18 29 33.4 +0.2
T56A	Rocky Mt	59.37 349 P	P	18 29 34.6 +0.4
U52A	Thorn Hill	59.52 346 P	P	18 29 33.9 -0.7
W47A	Westpoint	59.53 342 P	P	18 29 33.5 -1.1
V49A	McMinnville	59.54 344 P	P	18 29 33.7 -1.0
U51A	La Follette	59.65 345 P	P	18 29 34.7 -0.8
T55A	Pulaski	59.69 349		

S44A	Carbondale	62.28 341	P	P	18 29 52.2	-0.9
O55A	Ligonier	62.45 351	P	P	18 29 54.4	+0.1
HHAR	Hobbs	62.55 337	eP	P	18 29 54.4	-0.6
R45A	Skylar, Fairri	62.56 342	P	P	18 29 53.8	-1.2
O54A	Avella	62.60 350	P	P	18 29 55.2	-0.1
Q47A	Bedord North L	62.67 344	P	P	18 29 55.4	-0.4
P50A	Jamestown	62.70 347	P	P	18 29 55.8	-0.2
N57A	Milroy	62.75 352	P	P	18 29 56.9	+0.6
O52A	Adamsville	62.79 348	eP	P	18 29 56.0	-0.5
O52A	Adamsville	62.79 348	P	P	18 29 56.6	+0.1
P49A	Miami Univ. Ec	62.83 346	P	P	18 29 55.6	-1.2
N55A	Marion Center	62.97 351	eP	P	18 29 58.4	+0.7
N55A	Marion Center	62.97 351	P	P	18 29 57.8	+0.1
O51A	Pataskala	62.97 348	P	P	18 29 57.5	-0.2
Q45A	Warren Harvey,	63.09 343	P	P	18 29 57.7	-0.8
ACSO	Alum Creek Sta	63.13 348	eP	P	18 29 59.1	+0.3
ACSO	Alum Creek Sta	63.13 348	P	P	18 29 58.6	-0.2
P47A	Martinsville	63.15 345	P	P	18 29 58.0	-0.9
O50A	Cable	63.17 347	P	P	18 29 58.1	-1.0
CCM	Cathedral Cave	63.23 340	eP	P	18 29 58.9	-0.6
CCM	Cathedral Cave	63.23 340	eP	pmx	18 29 58.9	-0.6
CCM	Cathedral Cave	63.23 340	P	pmx	18 29 58.9	-0.6
CCM	Cathedral Cave	63.23 340	P	P	18 29 58.9	-0.6
N53A	Lisbon	63.29 349	P	P	18 30 00.3	+0.5
N54A	Moraine State	63.30 350	P	P	18 29 59.8	0.0
O49A	Covington	63.37 346	P	P	18 29 59.9	-0.4
P45A	Greeland, Par	63.57 343	P	P	18 30 00.6	-1.0
M54A	Oil Creek Stat	63.78 351	P	P	18 30 03.6	+0.5
O47A	Sheridan	63.84 345	P	P	18 30 02.5	-0.9
MNTX	Cornudas Mount	63.85 325	eP	P	18 30 03.2	-0.6
MNTX	Cornudas Mount	63.85 325	P	P	18 30 03.3	-0.5
M53A	Wl Miller and	63.88 350	P	P	18 30 03.5	-0.1
N49A	Columbus Grove	64.04 347	eP	P	18 30 04.2	-0.6
N49A	Columbus Grove	64.04 347	P	P	18 30 04.6	-0.1
M52A	Chesterland	64.09 349	P	P	18 30 05.4	+0.3
P43A	Skaggs, Pawnee	64.17 342	P	P	18 30 05.3	-0.3
L53A	Girard	64.31 350	P	P	18 30 06.8	+0.3
MSTX	Muleshoe	64.34 329	eP	P	18 30 06.9	-0.2
MSTX	Muleshoe	64.34 329	P	P	18 30 06.8	-0.2
L54A	Sinclairville	64.44 351	P	P	18 30 07.6	+0.2
AMTX	Amarillo	64.57 330	P	P	18 30 07.7	-0.7
N44A	Piper City	64.68 344	P	P	18 30 09.3	-0.7
L48A	N Adams	65.07 347	P	P	18 30 11.1	-0.3
L49A	Milan	65.09 347	P	P	18 30 11.2	-0.3
N43A	Stutzman Famil	65.27 343	P	P	18 30 11.6	-1.2
J52A	Paris	65.60 350	P	P	18 30 14.5	-0.3
M43A	Waltham Townsh	65.68 343	P	P	18 30 15.0	-0.4
319A	Douglas	65.76 322	eP	P	18 30 16.0	-0.2
K48A	Perry	65.83 347	P	P	18 30 16.0	-0.3
I51A	Listowel	66.24 350	P	P	18 30 18.9	0.0
BNM	Barren Site	66.42 326	eP	P	18 30 21.6	+1.0
BWLO	Walkerton	66.56 350	P	P	18 30 21.1	+0.2
K43A	Burlington	66.70 344	P	P	18 30 21.6	-0.3
L40A	Anamosa	66.89 342	P	P	18 30 23.0	-0.1
ANMO	Albuquerque	66.95 327	eP	P	18 30 24.5	+0.6
ANMO	Albuquerque	66.95 327	eP	P	18 30 24.8	+0.9
ANMO	Albuquerque	66.95 327	eP	pp	18 30 24.6	+0.7
ANMO	Albuquerque	66.95 327	eP	pp	18 30 24.6	+0.7
ANMO	Albuquerque	66.95 327	eP	pp	18 30 24.6	+0.7
ANMO	Albuquerque	66.95 327	eP	pp	18 30 24.6	+0.7
ANMO	Albuquerque	66.95 327	eP	pp	18 30 24.6	+0.7
TASM	ASL Pad, Albuq	66.95 327	P	P	18 30 24.5	+0.6
TASM	ASL Pad, Albuq	66.95 327	P	P	18 30 24.8	+0.9
CBKS	Cedar Bluff	67.01 334	eP	P	18 30 24.3	+0.3
CBKS	Cedar Bluff	67.01 334	eP	pmx	18 30 24.3	+0.3
CBKS	Cedar Bluff	67.01 334	P	pmx	18 30 23.9	-0.1
CBKS	Cedar Bluff	67.01 334	P	P	18 30 23.9	-0.1
TUC	Tucson	67.31 322	eP	P	18 30 27.5	+1.4
TUC	Tucson	67.31 322	eP	pmx	18 30 27.5	+1.4
TUC	Tucson	67.31 322	P	pmx	18 30 27.1	+1.0
JFWS	Jewell Farm	67.40 343	P	P	18 30 25.4	-1.0
T25A	Trinidad	67.68 329	P	P	18 30 28.3	-0.2
TRQ	Mont Tremblant	67.86 355	eP	P	18 30 29.4	+0.2
LIC	Lamto	68.01 73	eP	P	18 30 30.1	-0.6
TIC	Toumoudi	68.20 73	eP	P	18 30 31.4	-0.6
214A	Organ Pipe Nat	68.24 320	P	P	18 30 32.8	+1.0
E54A	Lac Daplat, Po	68.31 353	P	P	18 30 32.3	+0.4
KIC	Kosan Boka	68.32 73	eP	P	18 30 32.4	-0.3
DBIC	Dimbokro	68.36 73	eP	P	18 30 32.7	-0.2
DBIC	Dimbokro	68.36 73	eP	P	18 30 32.5	-0.3
DBIC	Dimbokro	68.36 73	eP	pmx	18 30 32.6	-0.3
DBIC	Dimbokro	68.36 73	eP	pmx	18 30 32.6	-0.3
QSPA	South Pole Qui	68.46 180	eP	P	18 30 34.1	+1.2
BGNE	Belgrade	68.61 336	P	P	18 30 33.6	-0.4
SDCO	Great Sand Dun	68.69 329	eP	P	18 30 35.8	+1.0
SDCO	Great Sand Dun	68.69 329	eP	P	18 30 35.4	+0.6
W18A	Petrified Fore	68.81 325	eP	P	18 30 36.4	+0.8
W18A	Petrified Fore	68.81 325	P	P	18 30 36.3	+0.8
D54A	Lac Fusel, La	68.97 354	P	P	18 30 36.3	+0.3
D52A	ZEK Kipawa Sen	68.98 353	P	P	18 30 36.5	+0.4
D53A	Lac Vavive, Po	69.00 353	P	P	18 30 36.4	+0.2
Q24A	Divide	69.50 330	P	P	18 30 40.3	+0.4
G40A	Rib Lake	69.58 344	P	P	18 30 40.2	+0.4
D49A	Beulah Townshi	69.67 351	P	P	18 30 41.0	+0.7
MVCO	Mesa Verde	69.75 327	eP	P	18 30 42.3	+1.0
MVCO	Mesa Verde	69.75 327	P	P	18 30 41.6	+0.3
Y14A	Wickenburg	69.77 322	eP	P	18 30 42.5	+1.2
E43A	Lone Pine Farm	69.85 346	P	P	18 30 42.0	+0.6
G39A	Holcombe	69.85 343	P	P	18 30 41.8	+0.3
WUAZ	Wupatki	70.00 324	eP	P	18 30 44.5	+1.7
WUAZ	Wupatki	70.00 324	P	P	18 30 44.2	+1.4
F40A	Park Falls	70.16 344	P	P	18 30 43.4	0.0
GLA	Glamis	70.22 320	P	P	18 30 45.4	+1.3
ISCO	Idaho Springs	70.38 330	P	pmx	18 30 46.8	+1.6
ISCO	Idaho Springs	70.38 330	P	pmx	18 30 45.8	+0.6
PV01	Paradox Valley	70.49 327	eP	P	18 30 47.0	+1.1
SMCO	Snowmass	70.52 329	eP	P	18 30 47.6	+1.4
Y12C	Blythe	70.53 320	eP	P	18 30 47.6	+1.8
IKP	In-Ko-Pah, Jac	70.72 319	P	P	18 30 48.2	+1.0
D41A	Chassel	70.85 346	P	P	18 30 48.0	+0.5
PV22	Blu Mesa, Par	70.91 327	eP	P	18 30 49.7	+1.3
BC3	Big Chucckawall	71.01 320	P	P	18 30 49.9	+1.0
MONP	Moment Peak	71.08 319	P	P	18 30 50.7	+1.2
BAR	Barrett	71.09 318	eP	P	18 30 51.0	+1.7
W13A	Hualapai Mount	71.11 322	eP	P	18 30 51.1	+1.5
U15A	North Rim	71.17 324	eP	P	18 30 51.7	+1.6
IRM	Iron Mountain	71.18 320	P	P	18 30 51.1	+1.2
CHGO	Chibougamau	71.52 356	P	P	18 30 52.7	+1.2
BELC	Belle Mtn. Jos	71.58 320	P	P	18 30 53.8	+1.5
PFO	Pinyon Flats O	71.59 319	eP	P	18 30 54.1	+1.7
PFO	Pinyon Flats O	71.59 319	eP	pmx	18 30 54.2	+1.7
PFO	Pinyon Flats O	71.59 319	P	pmx	18 30 54.1	+1.7
MATO	Matagami	71.64 354	P	P	18 30 52.2	0.0
O20A	White River Ci	71.88 329	eP	P	18 30 55.1	+0.9
KNAB	Kanab	71.89 324	eP	P	18 30 56.4	+2.1
KNB	Kanab	71.89 324	eP	pmx	18 30 56.4	+2.1
KNB	Kanab	71.89 324	P	pmx	18 30 55.9	+1.5
GMRC	Granite Mounta	71.92 321	P	P	18 30 57.3	+0.5
LCMT	Little Creek M	72.12 324	eP	P	18 30 57.3	+1.8
SRU	San Rafael Swe	72.23 327	eP	P	18 30 57.2	+1.0
SRU	San Rafael Swe	72.23 327	eP	pmx	18 30 57.2	+1.0
SRU	San Rafael Swe	72.23 327	P	pmx	18 30 57.2	+1.0
MTPU	Mount Pierson	72.29 325	eP	P	18 30 57.7	+0.9
HEC	Hector, Ludlow	72.35 320	P	P	18 30 58.4	+1.5
EYMN	Ely	72.39 344	P	P	18 30 57.3	+0.5
Q16A	Castle Valley	72.41 326	eP	P	18 30 59.7	+2.4
TUQ	Turquoise Moun	72.53 321	P	P	18 30 59.2	+1.2
CCUT	Cedar City	72.57 324	eP	P	18 31 00.1	+1.7
P17A	Butcher Ranch,	72.61 327	eP	P	18 31 00.9	+0.6
RWWY	Rawlins	72.62 331	eP	P	18 30 59.4	+0.8
MSU	Marysval	72.64 325	eP	P	18 31 00.3	+1.6
MSU	Marysval	72.64 325	eP	P	18 31 00.3	+1.6
TMUT	Trail Mountain	72.72 326	eP	P	18 31 00.7	+1.4
BFSC	Mount Baldy Ra	72.75 319	P	P	18 31 00.7	+1.4
SHPR	Sheep Range	72.83 322	eP	P	18 31 01.6	+1.8
GSC	Goldstone, Bar	72.95 320	eP	P	18 31 02.1	+1.6
GSC	Goldstone, Bar	72.95 320	eP	pmx	18 31 02.1	+1.6
GSC	Goldstone, Bar	72.95 320	P	pmx	18 31 01.9	+1.4
GSC	Goldstone, Bar	72.95 320	P	P	18 31 01.8	+0.6
K22A	Casper	73.07 332	P	P	18 31 01.8	+0.6
RSSD	Black Hills	73.21 334	P	P	18 31 02.4	+0.4
EDW2	Edwards Air Fo	73.38 319	P	P	18 31 04.5	+1.5
MPU	Maple Canyon	73.47 327	eP	P	18 31 04.5	+1.0
PSUT	Pine Spring	73.55 324	eP	P	18 31 05.9	+1.8
LRMC	Laurel Mtn Rad	73.60 320	P	P	18 31 05.7	+1.3
TPNV	Topopah Spring	73.77 322	eP	P	18 31 06.8	+1.5
TPNV	Topopah Spring	73.77 322	eP	P	18 31 06.8	+1.5
TPNV	Topopah Spring	73.77 322	P	P	18 31 06.9	+1.5
FURC	Furnace Creek,	73.79 321	P	P	18 31 06.5</	

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

SAR 10 18:26:59.6:0.7,44.08N,19.14E, h8km,4km, ML0.9/3, Northwestern Balkan Peninsula. Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

MAN 10 18:41:42.5:13.12N,121.16E, h30km, mb4.0, ML2.8, MS2.4, 1C, Mindoro. Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

MAN 10 18:48:38.6:12.57N,120.38E, h31km, mb4.0, ML2.8, MS2.4, 1D, Mindoro. Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Coron, San Jose, Suvo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Kotokel, Ongureny, Suvo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Zarechye, Tyrgan, Kabansk, Ulyunkhan, Khuramsha, Nizh Angarsk, Bolshoye Golou, Kumora, Listvyanka, Irkutsk, Chita, Uoyan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like Severomuryk, Arshan, Khapcheranga, Zakamensk, Nelyaty, Mondy, Bodaibo, Ulanbaatar, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like Chara, Tupik, Khani, Todzha, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like Wood River Hill, Eielson Array, ILB, etc.

Table with columns for station name, frequency, mode, and coordinates. Includes stations like STKA, Stephens Creek, STKA, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TLB Topalu, TIRR Tirgusor, CFR Carcaiu, etc.

MEX 10 21:49.117.0.4, 17.08N<100.23W, h42km, g3km, MD3.6, Guerrero

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CAIG El Cayaco, ACAP Acapulco, MEIG Mezcala, etc.

IDC 10 21:52:29.0.1.3, 0.72N, 126.65E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/34, mbtmp3.6/4, MS2.8/1, MS1 2.8/1, ms1mx2.4/1, Error ellipse: s-maj=131.6km s-min=20.9km az=69.0, Northern Molucca Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DAV Davao City (W), WRA Warrunganga Arr, ASAR Alice Springs, etc.

NIED 10 22:09:00.37.20N, 142.10E, h23km, Mw4.1 Best double couple: Mo=1.38000e+10, NP1=168.00000e+3, Z2.00000e+7, 1.82.00000e+7, NP2=356.00000e+3, 689.00000e+3, 93.00000e+7

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BJU 10 22:09:41.9.0.0, 37.17N, 141.88E, h11km, mb4.5/32, NEIC 10 22:09:41.6.2.1, 37.19N, 142.32E, h13km, mb4.5/19, etc.

IDC 10 22:09:49.2.5.3, 37.17N, 142.06E, h66km, 21km, mb3.8/17, mb1 4.0/21, mb1mx3.9/41, mbtmp4.1/21, MS3.4/9, Ms1 3.5/9, ms1mx3.1/46, Error ellipse: s-maj=17.2km s-min=15.2km az=112.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASAR Alice Springs, YKA Yellowknife Arr, YKBS Yellowknife Arr, etc.

ISC 10 22:08:41.7.3.3, 37.32N, 104.142E, 0.06E, h11km, 19km, n91, c169.0/2, mb4.3/37, MS3.5/6, Off east coast of Honshu

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

MJAR 1.7m, 0.3s, baz=78, slow=13, SNR=5.1

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like XAN Xi'an, H11N2 WAKE ISLAND HY 27.73 122 T, H11N1 WAKE ISLAND HY 27.74 122 T, etc.

SONA0 Songino Array 27.18 304 eP P 22 15 35.2 +0.9

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like H11S3 WAKE ISLAND HY 28.46 124 T, H11S2 WAKE ISLAND HY 28.47 124 T, etc.

CMAR Chiang Mai Arr 42.12 256 LR LR 22 37 18.7

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ZAA0 Zalesovo Array 42.24 312 eP P 22 17 34.0 -0.7, ZALV Zalesovo Beam 42.24 312 P P 22 17 35.3 +0.6, etc.

MKAR Makanchi Array 44.53 302 P P 22 17 53.9 +0.6

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MKAR Makanchi Array, MAKZ Makanchi, KURK Kurchatov, etc.

ILAR Eielson Array 49.03 32 P P 22 18 29.6 +1.3

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ILB Eielson Array, KSH Kashi, GSI Gunungsitoli, etc.

ASAR Alice Springs 61.05 189 P P 22 19 55.9 +0.4

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YKA Yellowknife Arr, YKBS Yellowknife Arr, FINES Fines Array B, etc.

KBZ Khabaz 71.24 311 P P 22 21 00.4 -0.4

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KBZ Khabaz, KIV Kislovodsk, NORSAR NORSAR Subarra, etc.

GERES GERES Array S 82.88 329 eP P 22 22 06.8 +0.5

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GERES GERES Array S, ATD Arta Tunnel, TOA1 Torodi Arr, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SKDB Brimstone Hill, BSK Brimstone Hill, SLBI Saint Lucia, etc.

SJA 10 22:13:51.4.0.3, 31.31N<68.77W, h98km, 7km, ML3.0, MW3.5, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RTLS Leoncito, AROD Rodeo, AGUA GUANDACOL, etc.

DDA 10 22:17:40.9.36.98N-36.09E, h7km, 2km, ML2.5

ISCJB 10 22:17:41.2.0.6, 36.99N, 0.05<36.10E, 0.03, h4km, 6km, Error ellipse: s-maj=8.4km s-min=3.7km az=162.4

ISC 10 22:17:40.7.1.3, 36.96N, 0.05<36.09E, 0.03, h5km, 14km, n20, c082/26, Jordan-Syria region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CEYT Ceyhan, YURE Yuregiri, YURE Yuregiri, etc.

GZT Gaziantep 1.25 71 P P 22 18 05.6 +0.9

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GZT Gaziantep, MERS Mersin, YAHY KAYSERI Yahyal, etc.

KRSC 10 22:22:41.7.1.6, 52.22N<160.81E, h57km, 21km, ML3.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SPN Mys Shipunski, NLC Nalytchevo, RUS Russkaya, etc.

ISCJB 10 22:39:06.0.0.6, 23.88S<0.04<67.13W, 0.04, h200km, 8km, mb3.2/1, Error ellipse: s-maj=7.3km s-min=5.1km az=25.5

IDC 10 22:39:05.1.2, 23.85S<67.37W, h22km, 26km, mb3.0/1, mb1 3.2/5, mb1mx3.0/35, mbtmp3.8/5, Error ellipse: s-maj=39.9km s-min=20.4km az=97.0

SJA 10 22:39:06.4.0.9, 23.94S<67.09W, h191km, 15km, ML2.8, MW2.7

GUC 10 22:39:08.9.0.5, 23.68S<67.52W, h220km, 5km, ML3.9

ISC 10 22:39:04.8.1.0, 23.93S<0.06<67.07W, 0.05E, h208km, 10km, n28, c164/45, 6C-3D, Chile-Argentina border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SLA San Lorenzo, HJA Humahuaca, ZAP Zapla, etc.

Table with columns: Station Name, Frequency, Class, Power, Azimuth, Elevation, SNR, etc. Includes stations like KHC, X46A, MCWV, GRFO, etc.

Table with columns: Station Name, Frequency, Class, Power, Azimuth, Elevation, SNR, etc. Includes stations like W51A, V52A, ZIMR, U53A, etc.

Table with columns: Station Name, Frequency, Class, Power, Azimuth, Elevation, SNR, etc. Includes stations like DAVOX, VTS, FLN, V57A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SONM, KWAJ, YAK, CD2, TNTI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like UTTA, SBUM, SAUI, SPSI, BILL, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MK31, MKAR, MKAR, MKAR, etc.

KSH	sP	00 24 11.5 +6.6	
KSH	pP	00 25 02.5 +1.8	
KSH	PP	00 26 01.2 +6.6	
KSH	S	00 31 26.3 +1.0	
KSH	SS	00 33 39.6 -2.1	
KSH	SKIKP	00 35 07.1 -0.6	
KSH	pmax		
comp-Z,110nm,0.9s			
KSH	pmax		
comp-Z,340nm,8.4s	LR	LR	
KSH	LR	LR	
comp-Z,2µm,15.7s			
KSH	LR	LR	
comp-Z,1µm,15.8s			
KSH	LR	LR	
comp-Z,930nm,13.9s			
KZA	P	00 23 56.5 +1.8	
Kyazart			
SNR=22			
SEW	P	00 24 10.0 +1.6	
Seward			
SNR=42			
KBK	P	00 23 56.3 +1.1	
Karagaybulak			
SNR=42			
CHMS	P	00 23 56.5 +0.9	
Chumysh			
SNR=42			
BWN	P	00 24 10.0 +1.5	
Brownie			
SNR=42			
PMR	P	00 24 10.0 +1.4	
Palmer			
SNR=42			
FRU1	P	00 24 10.0 +1.3	
Bishkek			
FRU1			
comp-Z,1µm,19.0s			
USP	P	00 23 56.9 +0.3	
Ospenovka			
SNR=36			
MCK	P	00 24 10.0 +1.3	
McKinley			
comp-Z,500nm,18.0s			
RND	P	00 24 10.0 +1.3	
Reindeer			
RND			
comp-Z,600nm,18.0s			
AAK	P	00 23 58.2 +0.5	
Ala-Archa			
comp-Z,26nm,0.8s,baz=93,slow=6.6,SNR=49			
AAK	eP	00 23 58.4 +0.7	
Ala-Archa			
comp-Z,44nm,1.0s			
AAK	LR	LR	
comp-Z,1µm,18.0s			
AAK	iP	00 23 58.2 +0.5	
Ala-Archa			
SNR=25			
AAK	P	00 23 58.0 +0.3	
Ala-Archa			
comp-Z,75nm,1.5s			
AAK	P	00 23 58.4 +0.7	
Ala-Archa			
SNR=23			
AAK	P	00 23 58.3 +0.6	
Ala-Archa			
SNR=23			
UCH	P	00 23 59.2 +0.8	
Uchtor			
SNR=77			
TOLK	P	00 24 10.0 +1.2	
Toolik Lake Re			
TOLK			
comp-Z,400nm,19.0s			
WRH	P	00 24 10.0 +1.0	
Wood River Hil			
WRH			
comp-Z,400nm,20.0s			
ASAR	P	00 24 00.1 -0.5	
Alice Springs			
comp-Z,9.4nm,0.7s,baz=33,slow=5.4,SNR=38			
ASAR	ScP	00 29 02.1 +1.8	
comp-Z,1.2nm,1.1s,baz=14,slow=5.1,SNR=3.5			
ASAR	S	00 31 34.4 -2.9	
comp-Z,2.0nm,0.9s,baz=4.8,slow=12,SNR=8.2			
ASAR	LR	LR	
comp-Z,719nm,21.0s,baz=18,slow=36			
COLA	P	00 24 10.0 +9.2	
College			
SNR=42			
COLA	eP	00 24 02.0 +1.2	
College			
comp-Z,300nm,20.0s			
COLA	pmax		
comp-Z,4.0nm,0.9s			
EKSZ	P	00 24 02.3 +0.9	
Erkin-Say			
SNR=15			
CCB	P	00 24 10.0 +9.2	
Clear Creek Bu			
CCB			
comp-Z,500nm,20.0s			
OTUK	P	00 24 02.5 +0.7	
Ortayu			
OTUK			
comp-Z,273nm,1.2s			
DHY	P	00 24 10.0 +8.0	
Denali Highway			
DHY			
comp-Z,600nm,21.0s			
SCM	P	00 24 10.0 +8.0	
Sheep Creek Mo			
SCM			
comp-Z,500nm,19.0s			
SMLA	eP	00 24 02.1 -0.5	
Simla			
SMLA			
comp-Z,57nm,0.6s			
SMLA	IAMs_20	IAMs_20	
comp-Z,2µm,11.0s			
POKR	P	00 24 01.2 -1.1	
Poker Plat Res			
baz=267			
HDA	P	00 24 01.6 -1.8	
Harding Lake			
baz=268			
ILAR	P	00 24 03.4 -0.4	
Eielson Array			
comp-Z,5.5nm,0.8s,baz=281,slow=5.9,SNR=46			
ILAR	LR	LR	
comp-Z,236nm,18.5s,baz=276,slow=40			
ILAR	P	00 24 03.4 -0.4	
Eielson Array			
ILAR			
comp-Z,5.0nm,0.8s			
ILAR	MLR	MLR	
comp-Z,236nm,18.5s			
DHRM	eP	00 24 04.9 -0.7	
DHARMASHALA			
DHRM			
comp-Z,46nm,0.9s			
BVAR	P	00 24 07.1 +0.7	
Borovyoye Array			
comp-Z,13nm,0.7s,baz=96,slow=7.9,SNR=43			
BRVK	eP	00 24 07.2 +0.3	
Borovyoye			
comp-Z,85nm,1.7s			
BRVK	LR	LR	
comp-Z,2µm,18.0s			
BRVK	P	00 24 06.7 -0.1	
Borovyoye			
BRVK			
comp-Z,34nm,1.3s			
BRVK	P	00 24 07.6 +0.7	
Borovyoye			
SNR=16			
ARSB	P	00 24 20.0 +1.2	
Arsianbob			
ARSB			
comp-Z,2µm,20.0s			
EYAK	P	00 24 20.0 +1.3	
Cordova Ski Ar			
EYAK			
comp-Z,1µm,20.0s			
PAX	P	00 24 20.0 +1.2	
Paxson			
comp-Z,600nm,19.0s			
PRP	P	00 24 20.0 +1.2	
Porcupine Dome			
PRP			
comp-Z,400nm,21.0s			
RIDG	P	00 24 20.0 +1.0	
Independent Ri			
RIDG			
comp-Z,700nm,19.0s			
PSAD2	P	00 24 20.0 +8.6	
Pilbara Seismi			
PSAD2			
comp-Z,1µm,19.0s			
DOT	P	00 24 20.0 +7.4	
Dot Lake			
DOT			
comp-Z,600nm,18.0s			
SCRK	P	00 24 20.0 +7.1	
Sand Creek			
SCRK			
comp-Z,400nm,19.0s			
HMT	P	00 24 20.0 +7.1	
Hamilton			
HMT			
comp-Z,800nm,20.0s			
MENT	P	00 24 30.0 +1.6	
Mentasta			
MENT			
comp-Z,500nm,21.0s			
NGP	eP	00 24 15.5 -0.7	
Nagpur			
KK31	P	00 24 17.7 +0.2	
Karatay Array			
KK31			
comp-Z,91nm,0.9s			
BALM	P	00 24 30.0 +1.1	
Baldy			
BALM			
comp-Z,600nm,21.0s			
NIL	eP	00 24 19.8 -0.2	
Nilore			
comp-Z,161nm,1.1s			
NIL			

NIL	Nilore	57.10 292	eP	P	00 24 19.8 -0.2
NIL	comp-Z,161nm,1.1s		pmax	pmax	
NIL	comp-Z,400nm,19.0s		MLR	MLR	
BHPL	Bhopal	57.13 279	eP	P	00 24 19.0 -1.3
BHPL	comp-Z,266nm,0.7s		IAmb	IAmb	
BTK	Batken	57.26 300	P	LR	00 24 30.0 +9.0
BTK	comp-Z,2µm,19.0s		PFAKE	LR	
EGAK	Eagle	57.37 30	P	LR	00 24 30.0 +8.7
EGAK	comp-Z,400nm,20.0s		PFAKE	LR	
DZM	Mont Dzumac	57.45 153	eP	P	00 24 24.4 +2.0
DZM	comp-Z,120nm,1.2s		eS	S	00 32 20.6 +2.7
DZM	comp-Z,2µm,29.6s				
DZM	Mont Dzumac	57.45 153	P	P	00 24 25.0 +2.6
DZM	comp-Z,15nm,0.8s,baz=18,slow=4.9,SNR=5.0				
DZM	Mont Dzumac	57.45 153	eP	P	00 24 22.7 +0.3
DZM	comp-Z,77nm,1.2s				
DZM	comp-Z,1µm,20.0s		LR	LR	
GAR	Garm	57.90 299	P	LR	00 24 40.0 +1.4
GAR	comp-Z,6µm,19.0s		PFAKE	LR	
PCA	Pinnacle	58.19 35	P	LR	00 24 40.0 +1.3
PCA	comp-Z,500nm,20.0s				
DAWY	Dawson	58.19 31	eP	P	00 24 28.4 +1.3
DAWY	comp-Z,69nm,1.5s		LR	LR	
BCPM	Bancas Point	58.51 35	P	LR	00 24 40.0 +1.1
BCPM	comp-Z,900nm,21.0s		PFAKE	LR	
CHGR	Chuyangar	58.87 299	P	LR	00 24 40.0 +7.7
CHGR	comp-Z,3µm,20.0s		PFAKE	LR	
EPYK	Eagle Plains	59.09 28	P	LR	00 24 50.0 +1.7
EPYK	comp-Z,400nm,19.0s		LR	LR	
EPYK	Eagle Plains	59.09 28	P	P	00 24 32.0 -1.3
EPYK	baz=276				
INK	Inuvik	60.09 25	P	LR	00 24 50.0 +1.0
INK	comp-Z,700nm,22.0s		PFAKE	LR	
KBL	Kabul	60.16 295	eP	P	00 24 41.1 -0.4
KBL	comp-Z,82nm,1.0s		LR	LR	
KBL	Kabul	60.16 295	eP	P	00 24 41.1 -0.4
KBL	comp-Z,1µm,20.0s		P	pmax	
KBL	comp-Z,82nm,1.0s		MLR	MLR	
KBL	comp-Z,1µm,20.0s		MLR	MLR	
SVE	Sverdlovsk	60.27 321	eP	P	00 24 42.1 +0.6
SVE	comp-Z,107nm,1.3s		eS	pmax	
SVE	comp-Z,107nm,1.3s		pmax	MLR	
WHY	Whitehorse	60.74 34	P	LR	00 25 00.0 +1.5
WHY	comp-Z,600nm,22.0s		PFAKE	LR	
SKAG	Skagway	60.75 36	P	LR	00 25 00.0 +1.5
SKAG	comp-Z,600nm,20.0s		PFAKE	LR	
BESE	Bessie Mountai	61.16 36	P	LR	00 25 00.0 +1.2
BESE	comp-Z,400nm,21.0s		PFAKE	LR	
SIT	Sitka	61.24 38	P	LR	00 25 00.0 +1.2
SIT	comp-Z,800nm,21.0s		PFAKE	LR	
ARU	Arti	61.47 321	P	P	00 24 50.0 +0.3
ARU	Arti	61.47 321	eP	P	00 24 49.9 +0.1
ARU	comp-Z,84nm,0.9s		LR	LR	
ARU	Arti	61.47 321	iP	P	00 24 49.7 0.0
ARU	comp-Z,1µm,18.0s		S	S	00 25 32.5 +0.3
ARU	comp-Z,1µm,18.0s		S	S	00 33 09.3 +0.3
ARU	comp-Z,1µm,18.0s		SS	SS	00 34 34.4 -0.1
ARU	comp-Z,1µm,18.0s		SS	pmax	00 37 05.5 -4.1
ARU	comp-Z,110nm,1.0s		MLR	MLR	
STKA	Stevens Creek	62.08 180	P	P	00 24 53.6 -0.3
STKA	comp-Z,4.3nm,0.6s,baz=60,slow=4.2,SNR=4.9		LR	LR	
STKA	comp-Z,452nm,20.3s,baz=359,slow=37		LR	LR	00 53 00.6
STKA	Stevens Creek	62.08 180	eP	P	00 24 53.4 -0.5
STKA	comp-Z,9.0nm,1.1s		P	P	00 24 53.4 -0.5
STKA	Stevens Creek	62.08 180	eP	pmax	
STKA	comp-Z,9.0nm,1.1s		P	pmax	
POO	Poona	62.08 276	eP	P	00 24 53.8 -0.7
POO	comp-Z,38nm,0.8s		P	P	00 24 53.7 -2.1
FORT	Forrest	62.35 193	eP	P	00 24 53.7 -2.1
FORT	comp-Z,38nm,0.8s		P	P	00 24 56.4 +0.2
AB31	Akbulak array	62.43 313	iP	P	00 24 56.4 +0.2
AB31	comp-Z,11nm,0.5s		pmax	pmax	
WRAK	Wrangeli Islan	62.98 38	P	LR	00 25 10.0 +1.0
WRAK	comp-Z,900nm,22.0s		PFAKE	LR	
AKTO	Aktyubinsk	63.30 315	P	P	00 25 02.3 +0.3
AKTO	comp-Z,12nm,0.6s,baz=70,slow=13,SNR=22		P	pmax	
AKTO	Aktyubinsk	63.30 315	P	pmax	00 25 02.3 +0.3
AKTO	comp-Z,39nm,1.1s				
DLBO	Dease Lake	63.66 36	eP	P	00 25 03.2 -1.1
DLBO	comp-Z,20nm,1.1s		P	P	00 25 18.3 +1.2
KIRV	Kirov	65.63 325	P	P	00 25 22.8 +0.4
KIRV	comp-Z,40nm,0.7s,baz=271,slow=21,SNR=28		eP	pmax	00 25 22.6 -1.3
PRGR	Permogore	66.39 329	iP	P	00 25 22.6 -1.3
PRGR	comp-Z,94nm,1.3s		eP	pmax	
SPAO	Spitsbergen Ar	66.93 349	eP	P	00 25 25.0 -0.2
SPAO	comp-Z,27nm,1.1s,baz=92,slow=12,SNR=3.7		P	P	00 25 26.0 +0.8
SPITS	Spitsbergen Ar	66.93 349	P	P	00 25 26.0 +0.8
SPITS	comp-Z,27nm,1.1s,baz=92,slow=12,SNR=3.7		P	pmax	
KBS	Kingsbay	67.09 351	P	LR	00 25 40.0 +1.4
KBS	comp-Z,18nm,1.0s		PFAKE	LR	
KBS	Kingsbay	67.09 351	eP	P	00 25 27.8 +1.7
KBS	comp-Z,400nm,19.0s		pmax	pmax	
KBS	Kingsbay	67.09 351	eP	P	00 25 26.5 +0.4
NWAO	Narrogin (SRO)	67.24 202	P	P	00 25 26.8 -0.9

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UOSS	Minazif	74.13 290	eP	P	00 26 08.1	-1.9
UOSS	Minazif	74.13 290	iP	P	00 26 10.2	+0.2
YBH	Yreka Blue Hor	74.19 51	P	PFAKE	00 26 20.0	+0
KMRM	Mali Ridge	74.19 52	PFAKE	LR	00 26 20.0	+10
L04D	Klamath Falls	74.24 50	P	P	00 26 10.2	-0.3
HATD	Hatta, Dubai	74.24 290	iP	P	00 26 11.7	+1.0
HATD	Hatta, Dubai	74.24 290	P	P	00 26 12.1	+1.4
M02C	Callahan	74.24 51	P	P	00 26 10.7	+0.2
E08A	Dider Farm, EI	74.34 45	PFAKE	LR	00 26 20.0	+9.2
ASHO	Ashiyah	74.37 290	iP	P	00 26 12.7	+1.3
ASHO	Ashiyah	74.37 290	P	P	00 26 12.8	+1.4
KULLO	Kullorsuaq	74.41 5	iP	Pmax	00 26 12.3	+1.6
KULLO	Kullorsuaq	74.41 5	iP	P	00 26 12.3	+1.6
PINE	Pine Mountain	74.41 48	PFAKE	LR	00 26 20.0	+8.4
J05D	Fort Rock, OR	74.45 49	P	P	00 26 11.8	0.0
KCPM	Cahto Peak	74.52 53	PFAKE	LR	00 26 20.0	+7.8
N02D	Trinity Center	74.53 51	P	P	00 26 11.8	-0.3
NAZ	Nazwa, Dubai	74.55 290	iP	P	00 26 13.1	+0.7
NAZ	Nazwa, Dubai	74.55 290	P	P	00 26 14.0	+1.5
G0F	Gofitskoye	74.66 313	eS	S	00 26 13.1	+0.4
G0F	Gofitskoye	74.66 313	eS	S	00 35 47.9	+1.1
G0F	Newport	74.66 43	PFAKE	LR	00 26 20.0	+7.3
NEW	Newport	74.66 43	P	P	00 26 13.1	+0.4
FINES	FINES Array B	74.69 333	P	P	00 26 13.3	+0.7
FINES	FINES Array B	74.69 333	P	P	00 29 01.4	+2.2
FAQ	Al Faqa, Dubai	74.72 290	iP	P	00 26 13.5	+0.1
FAQ	Al Faqa, Dubai	74.72 290	P	P	00 26 14.2	+0.8
M04C	Macdoel	74.74 50	P	P	00 26 13.5	+0.1
WDC	Whiskeytown Da	74.82 52	PFAKE	LR	00 26 20.0	+6.3
O02D	Mt. Diablo Mer	74.84 52	P	P	00 26 14.1	+0.1
E09A	Wood Farm, Sta	74.89 45	PFAKE	LR	00 26 30.0	+16
ALNE	Al Ain	74.90 289	iP	P	00 26 14.7	+0.3
K05A	Summer Lake	74.93 49	PFAKE	LR	00 26 30.0	+15
G08A	Pilot Rock	74.97 46	PFAKE	LR	00 26 30.0	+15
ASUD	Al Ashush, Dub	74.98 290	iP	P	00 26 15.6	+0.6
ASUD	Al Ashush, Dub	74.98 290	P	P	00 26 17.0	+2.0
NCK	Nalchik	75.04 312	iP	Pmax	00 26 16.0	+1.0
TBLG	Delisi	75.11 310	eP	P	00 26 16.7	+1.3
ZEI	Tsey	75.17 311	eP	Pmax	00 26 14.1	-1.9
HOPS	Hopland Field	75.19 53	PFAKE	LR	00 26 30.0	+14
AJN	Ajban	75.29 290	iP	P	00 26 17.7	+1.0
KBZ	Khabaz	75.38 312	P	P	00 26 17.9	+1.0
KBZ	Khabaz	75.38 312	P	P	01 01 45.2	
KIV	Kislovodsk	75.41 313	iP	P	00 26 18.1	+0.9
KIV	Kislovodsk	75.41 313	iP	P	00 26 18.6	+1.5
KIV	Kislovodsk	75.41 313	eS	S	00 26 17.9	+0.7
KIV	Kislovodsk	75.41 313	eS	S	00 35 55.4	+0.1
KIV	Kislovodsk	75.41 313	eS	S	00 44 02.3	
KIV	Kislovodsk	75.41 313	P	P	00 26 19.1	+1.9
O03E	Paynes Creek	75.45 52	P	P	00 26 17.1	-0.4
GDXM	Geysers	75.46 53	PFAKE	LR	00 26 30.0	+12
M0R8	Moi Rana	75.54 340	eP	P	00 26 16.7	-0.7
MOD	Modoc Plateau	75.70 50	PFAKE	LR	00 26 30.0	+11
F10A	Beach Ranch, E	75.71 45	PFAKE	LR	00 26 30.0	+11
MCCM	Marconi Confer	75.71 54	PFAKE	LR	00 26 30.0	+11
NEY	Neutrino	75.72 312	eP	Pmax	00 26 21.1	+2.0
GNI	Garni	75.85 308	eP	P	00 26 21.8	+2.0
GNI	Garni	75.85 308	eP	P	00 26 21.5	+1.6
GNI	Garni	75.85 308	iP	P	00 26 21.4	+1.5
GNI	Garni	75.85 308	eP	Pmax	00 26 21.2	+1.3
GNI	Garni	75.85 308	eP	P	00 26 21.9	+2.0
ORV	Orovillo	76.01 52	PFAKE	LR	00 26 30.0	+9.4
AKH	Akhalkalaki	76.09 310	eP	P	00 26 22.9	+1.7
AKH	Akhalkalaki	76.09 310	PFAKE	LR	00 26 30.0	+8.8
AKH	Akhalkalaki	76.09 310	iP	P	00 26 23.6	+2.4
VSU	Vasula	76.19 331	iP	Iamb	00 26 23.6	+0.4
VSU	Vasula	76.19 331	iP	P	00 26 21.6	+0.4

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VSU	Circle Bar Ran	76.20 48	PFAKE	LR	00 26 30.0	+8.3
BMO	Blue Mountains	76.20 46	PFAKE	LR	00 26 30.0	+8.3
TASB	TASBURUN-IGDIR	76.27 308	eP	P	00 26 23.4	+1.3
WVOR	Wild Horse Val	76.54 49	PFAKE	LR	00 26 30.0	+6.3
BEKR	Beckworth	76.63 52	PFAKE	LR	00 26 40.0	+16
AFDM	Forest Hills D	76.65 53	PFAKE	LR	00 26 40.0	+16
CLDR	Kars	76.74 309	eP	P	00 26 26.9	+2.0
CLDR	Caldiran	76.89 308	eP	P	00 26 27.6	+1.7
CLDR	Caldiran	76.89 308	iP	P	00 26 27.8	+1.9
RUBR	Rubicon Trail	77.16 52	PFAKE	LR	00 26 40.0	+13
SUMG	Summit	77.16 0	PFAKE	LR	00 26 40.0	+13
SUMG	Summit	77.16 0	iP	Pmax	00 26 28.5	+1.5
SUMG	Summit	77.16 0	iP	P	00 26 28.5	+1.5
BATM	Batumi	77.18 311	iP	P	00 26 28.5	+1.3
BATM	Batumi	77.18 311	iP	P	00 26 28.0	+0.8
MSO	Missoula	77.25 43	P	P	00 26 27.2	-0.4
SENK	Senkaya-Erzuru	77.26 310	eP	P	00 26 29.8	+1.9
DAGI	Agillar	77.29 310	iP	P	00 26 29.0	+1.1
RCB	Borcka	77.31 311	iP	P	00 26 28.8	+0.9
ACRB	Hanur-Agry	77.31 308	eP	P	00 26 30.0	+1.3
SAO	San Andreas Ge	77.36 55	eP	P	00 26 27.6	-0.7
SAO	San Andreas Ge	77.36 55	eP	Pmax	00 26 27.6	-0.7
SAO	San Andreas Ge	77.36 55	eP	Pmax	00 26 27.6	-0.7
SAO	San Andreas Ge	77.36 55	eP	Pmax	00 26 27.6	-0.7
PAHR	Pah Rah Range	77.37 51	PFAKE	LR	00 26 40.0	+12
VCNR	Virginia City	77.39 52	PFAKE	LR	00 26 40.0	+11
NSS	Namsos	77.45 340	eP	P	00 26 28.3	+0.1
SOC	Sochi	77.47 313	eP	P	00 26 28.1	-0.6
SOC	Sochi	77.47 313	eP	P	00 26 38.2	-0.8
SOC	Sochi	77.47 313	eP	P	00 26 41.4	+0.2
SOC	Sochi	77.47 313	eP	P	00 29 21.6	
SOC	Sochi	77.47 313	eS	S	00 36 18.9	+1.2
SOC	Sochi	77.47 313	eSS	SS	00 41 19.0	+2.9
SOC	Sochi	77.47 313	eSS	SSS	00 44 39.5	
DBAD	Bademkaya	77.47 310	iP	P	00 26 30.7	+1.8
CMB	Columbia Cole	77.49 53	PFAKE	LR	00 26 40.0	+11
EATA	Eleskirt	77.50 309	iP	P	00 26 31.8	+2.4
TUTA	Tutak	77.51 308	iP	P	00 26 31.6	+2.2
VANB	Pine Nut	77.51 307	eP	P	00 26 30.9	+1.7
PNTR	Pine Nut	77.52 52	PFAKE	LR	00 26 40.0	+11
MLAZ	Malazgirt-MUS	77.82 308	eP	P	00 26 32.9	+1.9
YERR	Yerinton	77.82 52	PFAKE	LR	00 26 40.0	+9.0
KOPR	Koprucuk-ERZUR	77.87 309	eP	P	00 26 32.8	+1.5
WAKR	Walker	77.92 52	PFAKE	LR	00 26 40.0	+8.4
AKDM	Akdamar-Van	77.92 307	eP	P	00 26 33.2	+1.6
CUKT	Cukurca	78.02 306	eP	P	00 26 32.7	+0.6
MICGM	Minsk	78.03 327	eP	P	00 26 32.0	+0.4
MINK	Minsk	78.03 327	eP	P	00 26 32.0	+0.4
IZAR	Zarasai	78.04 329	eP	P	00 26 32.2	+0.6
ISAL	Salakas	78.20 328	eP	Iamb	00 26 32.6	+0.1
ISAL	Salakas	78.20 328	eP	Iamb	00 26 35.2	
ANN	Anapa	78.25 315	eS	S	00 26 33.3	+0.3
ANN	Anapa	78.25 315	eS	S	00 36 24.3	-1.8
ANN	Anapa	78.25 315	eS	S	00 36 24.3	-1.8
ANN	Anapa	78.25 315	eS	S	00 36 24.3	-1.8
IIGN	Ignalina	78.29 328	eP	Iamb	00 26 32.6	-0.4
BMN	Battle Mountai	78.45 50	PFAKE	LR	00 26 50.0	+16
RYN	Ryan	78.48 52	PFAKE	LR	00 26 50.0	+15
VRTB	Varto-Mus	78.55 309	eP	P	00 26 38.4	+3.4
KVN	Kaiserville	78.56 51	PFAKE	LR	00 26 50.0	+15
SCO	Scoresbysund	78.58 354	iP	P	00 26 35.7	+1.3
SCO	Scoresbysund	78.58 354	iP	Pmax	00 26 46.6	
SCO	Scoresbysund	78.58 354	iP	Pmax	00 26 35.7	+1.3
OXZ	Oxford	78.59 158	PFAKE	LR	00 26 46.6	
MDPB	Devils Postpil	78.59 53	PFAKE	LR	00 26 50.0	+15
RPZ	Rata Peaks	78.63 159	P	P	00 26 33.5	-1.4
HLID	Hailey	78.65 46	PFAKE	LR	00 26 50.0	+14
HLID	Hailey	78.65 46	P	P	00 26 34.6	-1.0
OMMB	Old Mammoth Mi	78.66 53	PFAKE	LR	00 26 50.0	+14
PAGB	Antelope Grade	78.71 55	PFAKE	LR	00 26 50.0	+14
MUSM	Mu-Merkez	78.73 308	iP	P	00 26 37.3	+1.3
NVAR	Mina Array Bea	78.73 52	P	P	00 26 36.5	+0.3
NTUB	Trabzon	78.75 311	eP	P	00 26 36.8	+0.9
KOPT	Kop Dag	78.76 310	iP	P	00 26 38.3	+2.0

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MLAC	Mammoth, Mammo	78.76 53	P	P	00 26 35.1	-1.2
SRTM	Siirt_Merkez	78.81 307	iP	P	00 26 37.4	+0.9
NV11	Mina Array Sit	78.83 52	PFAKE	LR	00 26 50.0	+13
BNGL	BINGOL	78.86 309	iP	P	00 26 39.5	+2.8
TBLU	Trondheim	78.91 340	eP	P	00 26 35.2	-1.1
EGMT	Eagleton	79.01 40	PFAKE	LR	00 26 50.0	+13
EGMT	Eagleton	79.01 40	P	P	00 26 37.5	+0.2
YEDI	Yedisu-Bingol	79.02 309	eP	P	00 26 39.3	+1.7
FFC	Filin Flon	79.05 32	eP	P	00 26 36.0	-1.3
FFC	Filin Flon	79.05 32	eP	Pmax	00 26 36.0	-1.3
BNGB	Bingol	79.15 309	eP	P	00 26 39.7	+1.4
BNGO	Bingol	79.16 309	iP	P	00 26 40.1	+1.7
SVAN	Silvan-Diyarba	79.23 308	eP	P	00 26 39.9	+1.3
BOZ	Bozeman (W)	79.26 43	P	P	00 26 38.0	-0.8
PKM	McGerson Peak	79.44 56	P	P	00 26 40.2	+0.2
VES	Vestal, Richgr	79.48 55	P	P	00 26 40.0	+0.8
KELT	Kelkit	79.51 310	iP	P	00 26 42.3	+2.0
ELK	Elko	79.59 49	PFAKE	LR	00 26 50.0	+9.2

WHAR	comp=Z,300nm,19.0s	LR	LR		
N49A	Columbus Grove	97.19	33	PFAKE	LR
N49A	comp=Z,300nm,22.0s				
W41B	Gary Mavity, V	97.23	42	PFAKE	LR
W41B	comp=Z,300nm,18.0s				
M50A	Fremont	97.34	32	PFAKE	LR
M50A	comp=Z,300nm,20.0s				
X40A	Basin Creek Fa	97.38	43	PFAKE	LR
X40A	comp=Z,300nm,20.0s				
BLO	Bloomington	97.39	36	PFAKE	LR
BLO	comp=Z,400nm,20.0s				
833A	Chaparral WMA,	97.41	51	PFAKE	LR
833A	comp=Z,700nm,18.0s				
WDD	Wied Dalam	97.41	319	PFAKE	LR
WDD	comp=Z,400nm,19.0s				
UALR	University of	97.46	42	PFAKE	LR
UALR	comp=Z,400nm,22.0s				
PARMO	Parma	97.56	39	PFAKE	LR
PARMO	comp=Z,300nm,20.0s				
O49A	Covington	97.69	34	PFAKE	LR
O49A	comp=Z,500nm,19.0s				
USIN	University of	97.72	37	PFAKE	LR
USIN	comp=Z,400nm,18.0s				
P48A	Milroy	97.72	35	PFAKE	LR
P48A	comp=Z,400nm,20.0s				
J54A	Appleton	97.75	29	PFAKE	LR
J54A	comp=Z,400nm,19.0s				
PVMO	Portageville	97.78	40	PFAKE	LR
PVMO	comp=Z,300nm,20.0s				
WLAR	White Oak Lake	97.78	43	PFAKE	LR
WLAR	comp=Z,500nm,19.0s				
HBAR	Harrisburg	97.87	41	PFAKE	LR
HBAR	comp=Z,1.1um,21.0s				
T45A	Paducah	97.90	38	PFAKE	LR
T45A	comp=Z,400nm,21.0s				
M52A	Chesterland	98.00	31	PFAKE	LR
M52A	comp=Z,200nm,22.0s				
N51A	Ashland	98.03	32	PFAKE	LR
N51A	comp=Z,400nm,19.0s				
J55A	Hilton	98.10	28	PFAKE	LR
J55A	comp=Z,300nm,19.0s				
ERPA	Erie	98.13	30	PFAKE	LR
ERPA	comp=Z,400nm,22.0s				
NATX	Nacogdoches	98.17	46	PFAKE	LR
NATX	comp=Z,400nm,20.0s				
LONY	Lake Ozonia	98.20	25	PFAKE	LR
LONY	comp=Z,300nm,18.0s				
WCI	Wyandotte Cave	98.22	36	PFAKE	LR
WCI	comp=Z,400nm,22.0s				
Z41A	Richland Creek	98.26	44	PFAKE	LR
Z41A	comp=Z,300nm,21.0s				
ACSO	Alum Creek Sta	98.30	33	PFAKE	LR
ACSO	comp=Z,500nm,18.0s				
HALT	Halls	98.34	40	PFAKE	LR
HALT	comp=Z,300nm,22.0s				
FRNY	Flat Rock	98.38	25	PFAKE	LR
FRNY	comp=Z,300nm,20.0s				
X43A	Marvell	98.49	42	PFAKE	LR
X43A	comp=Z,400nm,19.0s				
MMNY	Mt. Morris Dam	98.50	28	PFAKE	LR
MMNY	comp=Z,300nm,19.0s				
BATG	Bathurst New B	98.60	19	PFAKE	LR
BATG	comp=Z,400nm,22.0s				
HKT	Hockley	98.67	48	PFAKE	LR
HKT	comp=Z,500nm,19.0s				
DRLN	Deer Lake	98.73	13	PFAKE	LR
DRLN	comp=Z,500nm,20.0s				
T47A	Sharon Grove	98.74	38	PFAKE	LR
T47A	comp=Z,400nm,18.0s				
R49A	Shelbyville	98.75	36	PFAKE	LR
R49A	comp=Z,400nm,20.0s				
M54A	Oil Creek Stat	98.77	30	PFAKE	LR
M54A	comp=Z,400nm,20.0s				
N53A	Lisbon	98.82	31	PFAKE	LR
N53A	comp=Z,200nm,20.0s				
P51A	Williamsport	98.85	33	PFAKE	LR
P51A	comp=Z,300nm,18.0s				
NCB	Newcomb	98.89	25	PFAKE	LR
NCB	comp=Z,300nm,19.0s				
O52A	Adamsville	98.92	32	PFAKE	LR
O52A	comp=Z,300nm,20.0s				
WVT	Waverly	99.00	39	PFAKE	LR
WVT	comp=Z,400nm,19.0s				
O51A	Peebles	99.07	34	PFAKE	LR
O51A	comp=Z,400nm,22.0s				
N54A	Moraine State	99.07	31	PFAKE	LR
N54A	comp=Z,300nm,20.0s				
R50A	Paris	99.17	35	PFAKE	LR
R50A	comp=Z,300nm,20.0s				
OXF	Oxford	99.33	41	PFAKE	LR
OXF	comp=Z,300nm,20.0s				
PKME	Peaks-Kenny Pk	99.46	22	PFAKE	LR
PKME	comp=Z,300nm,19.0s				
T49A	Edmonton	99.47	37	PFAKE	LR
T49A	comp=Z,300nm,18.0s				
LBNH	Lisbon	99.48	24	PFAKE	LR
LBNH	comp=Z,300nm,18.0s				
P53A	Whipple	99.63	32	PFAKE	LR
P53A	comp=Z,400nm,19.0s				
N55A	Marion Center	99.66	30	PFAKE	LR
N55A	comp=Z,300nm,20.0s				
PLAL	Pickwick Lake	99.72	40	PFAKE	LR
PLAL	comp=Z,300nm,20.0s				
BINY	Binghamton	99.72	27	PFAKE	LR
BINY	comp=Z,500nm,19.0s				
HNH	Hanover	99.83	24	PFAKE	LR
HNH	comp=Z,400nm,20.0s				
CLTN	Cedars of Leba	99.83	38	PFAKE	LR
CLTN	comp=Z,200nm,20.0s				
V48A	Smith Brothers	99.83	38	PFAKE	LR

V48A	comp=Z,300nm,19.0s	LR	LR		
WVL	Waterville	99.96	22	PFAKE	LR
WVL	comp=Z,300nm,21.0s				
SS1A	Beattyville	100.04	35	PFAKE	LR
SS1A	comp=Z,300nm,19.0s				
MCWV	Mont Chateau	100.20	31	PFAKE	LR
MCWV	comp=Z,200nm,19.0s				
SSPA	Standing Stone	100.25	30	PFAKE	LR
SSPA	comp=Z,400nm,21.0s				
FFD	Franklin Falls	100.25	24	PFAKE	LR
FFD	comp=Z,300nm,20.0s				
O56A	Blue Knob Stat	100.26	30	PFAKE	LR
O56A	comp=Z,500nm,22.0s				
R53A	Hurricane	100.29	33	PFAKE	LR
R53A	comp=Z,300nm,21.0s				
Q54A	Coxs Mills	100.29	32	PFAKE	LR
Q54A	comp=Z,400nm,18.0s				
KEST	Kesra	100.31	322	P	Pdif
KEST	comp=Z,2.4nm,0.7s,baz=10,slow=6.2,SNR=4.3				
GGN	Saint George	100.34	20	PFAKE	LR
GGN	comp=Z,300nm,19.0s				
EMMW	East Machias	100.53	21	PFAKE	LR
EMMW	comp=Z,300nm,21.0s				
X48A	Hartselle	100.68	39	PFAKE	LR
X48A	comp=Z,300nm,20.0s				
SWET	Sewanee	100.70	38	PFAKE	LR
SWET	comp=Z,300nm,19.0s				
TS2A	Hallie	100.75	35	PFAKE	LR
TS2A	comp=Z,300nm,21.0s				
N59A	State Game Lan	100.89	28	PFAKE	LR
N59A	comp=Z,600nm,18.0s				
TZTN	Tazewell	100.91	36	PFAKE	LR
TZTN	comp=Z,400nm,22.0s				
QUAZ	Belchertown	101.04	25	PFAKE	LR
QUAZ	comp=Z,300nm,20.0s				
W50A	Signal Mountai	101.04	38	PFAKE	LR
W50A	comp=Z,400nm,20.0s				
V51A	Loudon	101.08	37	PFAKE	LR
V51A	comp=Z,400nm,20.0s				
PAGS	Pennsylvania G	101.08	29	PFAKE	LR
PAGS	comp=Z,300nm,18.0s				
HRV	Adam Dzewonski	101.13	24	PFAKE	LR
HRV	comp=Z,300nm,18.0s				
R55A	Marlinton	101.19	32	PFAKE	LR
R55A	comp=Z,400nm,18.0s				
ODNJ	Ogdensburg	101.22	27	PFAKE	LR
ODNJ	comp=Z,400nm,20.0s				
CPCT	Cooper Cave	101.27	37	PFAKE	LR
CPCT	comp=Z,400nm,20.0s				
147A	Livingston	101.32	41	PFAKE	LR
147A	comp=Z,400nm,20.0s				
WES	Weston	101.32	24	PFAKE	LR
WES	comp=Z,300nm,18.0s				
V52A	Sevierville	101.44	36	PFAKE	LR
V52A	comp=Z,400nm,18.0s				
Y49A	Blount Mountai	101.47	39	PFAKE	LR
Y49A	comp=Z,400nm,20.0s				
GBN	Guysborough	101.52	16	PFAKE	LR
GBN	comp=Z,500nm,21.0s				
PAL	Palisades	101.56	27	PFAKE	LR
PAL	comp=Z,400nm,20.0s				
BRNJ	Basking Ridge	101.58	27	PFAKE	LR
BRNJ	comp=Z,400nm,19.0s				
BRYW	Bryant College	101.65	25	PFAKE	LR
BRYW	comp=Z,300nm,20.0s				
HAL	Halifax	101.70	18	PFAKE	LR
HAL	comp=Z,300nm,22.0s				
LRAL	Lakeview Retre	101.77	40	PFAKE	LR
LRAL	comp=Z,300nm,19.0s				
X51A	Calhoun	101.77	38	PFAKE	LR
X51A	comp=Z,400nm,19.0s				
U54A	Nelsons Funny	101.79	35	PFAKE	LR
U54A	comp=Z,300nm,21.0s				
W52A	Murphy	101.85	37	PFAKE	LR
W52A	comp=Z,300nm,21.0s				
PSUB	Penn St. - Bra	101.86	28	PFAKE	LR
PSUB	comp=Z,600nm,19.0s				
BLA	Blacksburg	101.91	33	PFAKE	LR
BLA	comp=Z,400nm,18.0s				
V53A	Saluda	101.97	36	PFAKE	LR
V53A	comp=Z,300nm,21.0s				
SS7A	Dark Hollow, R	102.14	32	PFAKE	LR
SS7A	comp=Z,300nm,20.0s				
Z50A	Ashland	102.19	39	PFAKE	LR
Z50A	comp=Z,300nm,20.0s				
BG3	Lake Jocassee	102.44	36	PFAKE	LR
BG3	comp=Z,200nm,21.0s				
R58B	Mineral	102.46	31	PFAKE	LR
R58B	comp=Z,300nm,20.0s				
CBN	Corbin Frederi	102.49	31	PFAKE	LR
CBN	comp=Z,300nm,19.0s				
TS7A	Hurt	102.63	33	PFAKE	LR
TS7A	comp=Z,400nm,19.0s				
SS8A	Poland Farm, P	102.67	31	PFAKE	LR
SS8A	comp=Z,300nm,19.0s				
Y52A	Liburn	102.73	38	PFAKE	LR
Y52A	comp=Z,400nm,18.0s				
250A	Grady	102.97	40	PFAKE	LR
250A	comp=Z,500nm,22.0s				
V56A	Mocksville	103.00	34	PFAKE	LR
V56A	comp=Z,300nm,20.0s				
KMBO	Kilima Mbogo	103.02	276	Pdif	Pdif
KMBO	comp=Z,2.1nm,0.6s,baz=19,slow=5.6,SNR=5.2				
KMSC	Kings Mountai	103.12	35	PFAKE	LR
KMSC	comp=Z,400nm,21.0s				
PAULI	Pauline	103.14	36	PFAKE	LR
PAULI	comp=Z,300nm,19.0s				
ESDC	Sonsec Array	103.20	333	PP	PP
ESDC	comp=Z,2.0nm,0.9s,baz=24,slow=7.5,SNR=4.3				
152A	Waverly Hall	103.30	39	PFAKE	LR
152A	comp=Z,400nm,20.0s				
HODGE	Hodges	103.38	36	PFAKE	LR

HODGE	comp=Z,300nm,20.0s	LR	LR		
GOGA	Godfrey	103.39	38	PFAKE	LR
GOGA	comp=Z,400nm,18.0s				
PAB	San Pablo	103.46	334	PFAKE	LR
PAB	comp=Z,400nm,19.0s				
T60A	Surry	103.65	31	PFAKE	LR
T60A	comp=Z,300nm,20.0s				
W57A	Gilead	103.77	34	PFAKE	LR
W57A	comp=Z,400nm,18.0s				
U59A	Littleton	103.83	32	PFAKE	LR
U59A	comp=Z,300nm,19.0s				
JSC	Jenkinsville	103.84	36	PFAKE	LR
JSC	comp=Z,300nm,19.0s				
MTE	Manteigas	103.88	336	PFAKE	LR
MTE	comp=Z,800nm,18.0s				
BIRD	Birtown, Kers	103.95	35	PFAKE	LR
BIRD	comp=Z,400nm,19.0s				
352A	Blakely	104.09	40	PFAKE	LR
352A	comp=Z,400nm,22.0s				
154A	Montrose	104.20	38	PFAKE	LR
154A	comp=Z,400nm,19.0s				
COI	Coimbra	104.35	337	PFAKE	LR
COI	comp=Z,400nm,20.0s				
Y57A	Sumter	104.49	35	PFAKE	LR

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like AVRIL sur Loir, Saint Saulge, MAHON, BOVANS, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MLR, Muntele Rosu, VRI, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like ULN, Ulaanbaatar, YKA, etc.

DJA 11 04:34:11.4+1.4, 0.0S:4.12:4E.1, h12km, m11km, M4.4/13, mb4.8/3, mB5.0/3, MLV4.2/13, Mw(mB)4.3/3, Minahassa Peninsula, Sulawesi

ISCJB 11 04:34:43.2+0.9, 2.6N:0.1:1.89:69E:0.07, h10km, mb4.2/11, Error ellipse: s-maj=21.1km s-min=7.2km az=19.4

ISC 11 04:34:44.8+1.2, 2.5N:0.2:89.68E:0.09, h10km, n28, e130/24, mb4.2/11, North Indian Ocean

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ATVO, SEI, VLC, and Scarperia.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EQUI, GRAM, and GEM.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BRPK, WESP, SSS, and various island stations.

ROM 11 05:31:23.9-0.1, 43.816N, 0.007E, 12.048E, 0.006, h9km, Md1.4/2, Error ellipse: s-maj=0.9km s-min=0.2km az=30.0, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFI, ASQU, CPGN, and PARC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PARC, BADI, RUF, and ATPI.

ISC/JB 11 05:31:39.0-0.2, 43.81N, 0.003-1.197E, 0.02, h23km, 2km, Error ellipse: s-maj=4.9km s-min=2.3km az=18.2 ROM 11 05:31:39.1-0.1, 43.827N, 0.005-12.044E, 0.006, h8km, Md2.5/22, Error ellipse: s-maj=0.7km s-min=0.2km az=219.0 LDG 11 05:31:39.0-0.2, 43.89N, 12.09E, h2km, Md2.6/2, M2.7/10, Error ellipse: s-maj=3.7km s-min=1.5km az=47.0 ISC 11 05:31:38.2-0.9, 43.91N, 0.003-12.12E, 0.02, h19km, 2km, n42, e137/63, Central Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CPGN, SFI, ASQU, and PARC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PARC, SSP9, BADI, RUF, and various other stations.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ATTE, CSNT, MTCR, CRMI, SNTG, SACS, CSP1, NVLJ, DUGI, ZIRJ, MORI, PGF, KBA, SBF, DAVA, MBDF, FRF, LMR, LPG, LPL, ORIF, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KRSR, VNSA, SONM, ILAR, MKAR, ZALV, TORD, JMA, ISCJB, TAP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HSN, TWS1, YMO1, NMLH, NSY, YMO10, SMLT, NTST, YMO3, SSSLB, YMO8, TYC, ANP, PTBS, HGSD, EHY, TCU, WDJ, TWY, WHYT, WJS, WNT, YULB, WCHH, TWF1, YUS, ALS, CHN5, CHN5, WGK, JYNG, WDLH, YOJ, YOJ, RLNB, ELDTW, PCYT, TPUB, CHY, TWK, CHN1, SGST, TWG, TWGB, SLGT, SSD, IRIF, MASBT, PTTC, PNG, PHUB, EAST, WDG, JKRS, SCZT, JIJ, VCHM, MATB, PTMZ, JISG, LYJJ, XPS, MHZQ, KNMB, AXDP.

ISCJB 11 06:13.12.3.0.5.32*16N.0*02:115*21W.0*02:h2km,4km, Error ellipse: s-maj=4.2km s-min=3.5km az=1.3

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Pietralunga, Castiglione Fio, Monte Paganucc, Monte Urbino, Arcevia, Casa Cast, Montegabbione, Elcito, San Casciano d, Arcidosso, Bagni Di Lucca.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Novajia, Dugi Otok, Pioggiola, Zirje, Morici, Abfaltertsbach, Kijevo, Obkir, Sospel, Hvar, Feichten, Koelnbrunn, KBA, Sankt Quirin, Wattenberg, Moosalm, Damuels, Montbardor, La Moure, Potenza, PZUN.

NEIC 11 06:42:38.8±0.0, 18°55'N:66°27'W, h26km, MD2.7(RSPR), After RSPR, RSPR 11 06:42:38.8, 18°55'N:66°27'W, h26km±2km, MD2.7/12, 15C, Puerto Rico region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like Esperanza, San Juan, Canovanas, Patillas Dam, Obispo Ponce, Mayaguez, Magueyes Islan, Culebra, Puerto Rique, Saint Thomas, Lefkada island, Puka.

TIR 11 06:50:27.2, 40°29'N:19°69'E, h26km, Md2.5/4 THE 11 06:50:28.6, 40°25'N:19°67'E, h12km, 3km, ML1.8/1, Error ellipse: s-maj=3.4km s-min=0.8km az=38.0

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like Vlora, Tepelena, Sarande, Kerkira, Igoumenitsa, Lefkada island, Puka.

NNC 11 06:50:46.5±0.4, 44°32'N:84°80'E, h28km, 33km, mb3.1, mpv3.0, Error ellipse: s-maj=38.9km s-min=16.5km az=110.0

SOME 11 06:50:50.5, 43°73'N:84°63'E, h10km ISC 11 06:50:47.2±3.1, 44°51'N:84°80'E, 0.2, h10km, n10, 2538/14, 3C-3D, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like Urumqi, Makanchi Array, Makanchi.

Table with columns: Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like Makanchi, Ketmen, Jarkent, Uzynbulak, UZB, KPKS.

ROM 11 06:57:04.9±0.1, 43°80'N:0°00'42.054E±0°00'5.19km, ML2.5/22, Error ellipse: s-maj=0.6km s-min=0.1km az=34.0

ISCJB 11 06:57:05.2±0.3, 43°82'N:0°02'12.06E±0°03.1h12km±2km, Error ellipse: s-maj=3.9km s-min=2.4km az=40.2

LDG 11 06:57:05.1±0.2, 43°83'N:12°04'E, h10km, ML2.6/5, Error ellipse: s-maj=6.4km s-min=3.3km az=25.0

ISC 11 06:57:05.0±0.6, 43°78'N:0°02'11.99E±0°02.1h18km±5km, n10, 1566/5, Central Italy

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res. Includes stations like Asqua, Santa Sofia, Parchule, Sansepolcro, Carpegna, Urumqi, Makanchi Array.

SHL	IAMB	IAMB	07 21 51.8						
MOKO	MOKOCHONG	24.74 350	eP	P	07 21 46.7	-0.6			
BOK	Bokaro	25.27 331	eP	IAMB	07 21 50.9	-1.1			
TEZP	TEZPUR	25.36 347	eP	IAMB	07 21 51.9	-0.8			
HYB	Hyderabad	25.39 309	iP	P	07 21 56.5	+3.4			
GYA	Guliyang	25.57 16	eP	P	07 21 59.2	+4.4			
GYA			PP	PnPn	07 22 42.4	+1.2			
GYA			S	S	07 26 31.9	+9.1			
GYA			SS	SS	07 27 38.8				
GYA	comp=Z,10.0nm,0.5s								
GYA	comp=Z,100nm,7.3s								
GYA	comp=Z,880nm,11.5s								
GYA	comp=Z,680nm,13.7s								
GYA	comp=Z,880nm,13.7s								
DHUB	DHUBRI	25.57 341	eP	IAMB	07 21 54.3	-0.4			
H08S2	Diego Garcia H	28.08 250	T	T	07 50 21.0				
H08S3	Diego Garcia H	28.09 250	T	T	07 49 59.2				
H08S1	Diego Garcia H	28.10 250	T	T	07 50 13.1				
CD2	Chengdu	29.27 8	eP	S	07 22 29.0	+1.1			
CD2			S	S	07 27 24.2	+3.2			
CD2	comp=Z,20nm,0.8s								
CD2	comp=Z,160nm,9.3s								
CD2	comp=Z,1um,12.8s								
CD2	comp=Z,2um,11.8s								
CD2	comp=Z,1um,11.8s								
WHN	Wuhan	32.05 25	P	S	07 23 01.6	+9.3			
WHN			S	S	07 28 04.0	-0.3			
LZH	Lanzhou	34.38 7	eP	pP	07 23 15.3	+2.4			
LZH			pP	pP	07 23 17.9	+0.3			
LZH			PP	PP	07 23 22.2	+6.0			
LZH			PP	PP	07 24 28.4	+0.9			
LZH	comp=Z,10.0nm,1.2s								
LZH	comp=Z,170nm,4.9s								
LZH	comp=Z,640nm,13.0s								
LZH	comp=Z,750nm,13.6s								
LZH	comp=Z,680nm,15.4s								
DDI	Dehra Dun	34.62 327	eP	IAMB	07 23 15.8	+0.9			
MORJ	Morawa	34.78 153	eP	P	07 23 17.1	+0.9			
NJ2	Nanjing	35.40 30	eP	P	07 23 23.0	+1.5			
NJ2									
NJ2	comp=Z,10.0nm,0.5s								
NJ2	comp=Z,1um,14.2s								
NJ2	comp=Z,1um,16.1s								
NJ2	comp=Z,2um,14.2s								
SMLA	Simla	35.73 327	eP	IAMB	07 23 24.2	-0.1			
DHRM	DHARAMSHALA	37.06 327	eP	IAMB	07 23 35.3	-0.7			
DHRM			IAMB	IAMB	07 23 41.0				
GTA	Gaotai	37.41 1	P	P	07 23 39.2	+0.4			
GTA			pP	pP	07 23 44.9	+1.3			
GTA			SP	SP	07 23 47.3	+5.1			
GTA	comp=Z,7.0nm,1.1s								
GTA	comp=Z,40nm,5.1s								
GTA	comp=Z,430nm,16.5s								
GTA	comp=Z,510nm,14.1s								
GTA	comp=Z,500nm,17.5s								
NIL	Nilore	39.80 325	eP	P	07 23 58.4	-0.4			
NIL	Nilore	39.80 325	eP	P	07 23 58.4	-0.4			
HNC	Hu-ho-hao-te	40.47 15	eP	P	07 24 07.3	+3.0			
HHC									
HHC	comp=Z,12nm,0.8s								
HHC	comp=Z,95nm,4.9s								
HHC	comp=Z,640nm,13.2s								
HHC	comp=Z,860nm,12.1s								
HHC	comp=Z,750nm,13.1s								
WR1	Warramunga Arr	40.84 124	eP	P	07 24 05.4	-2.2			
WR1	Warramunga Arr	40.84 124	eP	P	07 24 05.4	-2.2			
WRAB	Tennant Creek	40.85 124	eP	P	07 24 05.9	-1.8			
WRAB	Tennant Creek	40.85 124	eP	P	07 24 05.6	-2.1			
WB2	Warramunga Arr	40.85 124	eP	P	07 24 06.5	-1.2			
WB3	Warramunga Arr	40.88 124	eP	P	07 24 05.9	-2.0			
AS31	Alice Springs	42.34 129	eP	P	07 24 20.2	+0.2			
ASAR	Alice Springs	42.34 129	P	P	07 24 17.6	-2.3			
ASAR	comp=Z,0.8nm,0.6s,baz=299,slow=7.5,SNR=13		PcP	PcP	07 26 11.6	-1.9			
ASAR	comp=Z,0.8nm,0.6s,baz=301,slow=4.8,SNR=4.6		LR	LR	07 41 52.3				
ASAR	comp=Z,240nm,21.8s,baz=296,slow=36								
ASAR	Alice Springs	42.34 129	P	P	07 24 17.6	-2.3			
ASAR					07 26 11.6				
ASAR	comp=Z,1.0nm,0.6s								
ASAR	comp=Z,1.0nm,0.6s								
ASAR	comp=Z,240nm,21.8s								
FORT	Forrest	42.61 142	eP	P	07 24 22.2	+0.3			
KSH	Kashi	42.99 334	eP	P	07 24 23.8	-1.2			
KSH			PP	PP	07 24 28.5	0.0			
KSH			PP	PP	07 26 06.9	+2.0			
WMQ	Urumqi	43.01 348	eP	P	07 24 27.3	+2.2			
WMQ									
WMQ	comp=Z,30nm,0.7s								
WMQ	comp=Z,84nm,4.3s								
WMQ	comp=Z,250nm,28.9s								
WMQ	comp=Z,330nm,23.9s								
NRN	Naryn	44.55 335	eP	P	07 24 36.0	-1.8			
NRN	Naryn	44.55 335	eP	P	07 24 36.0	-1.8			
KDJ	Kajisay	44.66 337	eP	P	07 24 37.4	-1.1			
KDJ	Kajisay	44.66 337	eP	P	07 24 37.4	-1.1			

KDJ	comp=Z,17nm,1.1s								
GAR	Garm	45.34 328	eP	P	07 24 43.8	-0.1			
GAR	Garm	45.34 328	eP	P	07 24 43.8	-0.1			
BOOM	Boomskeye usch	45.46 336	eP	P	07 24 44.3	-0.6			
BOOM	Boomskeye usch	45.46 336	eP	P	07 24 44.3	-0.6			
CHGR	Chuyangaron	45.70 327	eP	P	07 24 46.1	-0.7			
ARSB	Arslanbob	45.80 333	eP	P	07 24 43.7	-3.8			
BTK	Batken	45.86 330	eP	P	07 24 47.2	-0.8			
BTK	Batken	45.86 330	eP	P	07 24 47.2	-0.8			
AAK	Ala-Archa	46.18 335	eP	P	07 24 51.5	+1.0			
AAK	Ala-Archa	46.18 335	eP	P	07 24 51.5	+1.0			
SONA0	Songino Array	46.27 7	eP	P	07 24 50.4	-0.7			
SONM1	Songino Array	46.27 7	P	P	07 24 50.4	-0.7			
SONM1	comp=Z,1.7nm,0.6s,baz=192,slow=9.5,SNR=15								
ULN	Ulanbaatar	46.38 7	eP	P	07 24 50.4	-1.6			
ULN	comp=Z,480nm,18.9s,baz=188,slow=39								
ULN	Ulanbaatar	46.38 7	eP	P	07 24 50.4	-1.6			
MK31	Makanchi Array	47.10 344	eP	P	07 24 57.1	-0.4			
MK31	Makanchi Array	47.10 344	eP	P	07 24 57.1	-0.4			
MK32	Makanchi Array	47.10 344	eP	P	07 24 57.2	-0.3			
MKAR	Makanchi Array	47.10 344	P	P	07 24 57.2	-0.3			
MAKZ	Makanchi	47.20 344	eP	P	07 24 57.7	-0.6			
MAKZ	Makanchi	47.20 344	eP	P	07 24 57.7	-0.6			
CN2	Changchun	47.94 26	eP	P	07 25 07.4	+3.4			
CN2	comp=Z,10.0nm,0.7s								
CN2	comp=Z,100nm,3.0s								
CN2	comp=Z,600nm,15.0s								
CN2	comp=Z,800nm,15.0s								
CN2	comp=Z,400nm,16.0s								
ANA2	Anatshan	48.16 70	eP	P	07 25 05.5	-0.7			
KK31	Karatay Array	48.33 332	eP	P	07 25 06.5	-0.6			
KK31	Karatay Array	48.33 332	eP	P	07 25 06.5	-0.6			
DKGZ	Jazzator, Alta	48.71 350	iP	P	07 25 11.1	+1.0			
DKGZ									
TLY	Talays	49.83 4	LR	LR	07 50 16.1				
USRK	Ussuriysk Arr.	51.31 30	LR	LR	07 49 49.7				
KURK	Kurchatov	51.69 344	eP	P	07 25 32.1	-0.3			
KURK	Kurchatov	51.69 344	eP	P	07 25 32.1	-0.3			
GEYT	Alibek	51.92 319	eP	P	07 25 35.5	+1.0			
GEYT	comp=Z,1.1nm,0.4s,baz=163,slow=5.3,SNR=4.2								
GYA0B	ALIBEK ARRAY	51.92 319	eP	P	07 25 34.4	-1.0			
STKA	Stevens Creek	52.44 133	eP	P	07 25 37.4	-1.0			
STKA	Stevens Creek	52.44 133	eP	P	07 25 37.4	-1.0			
ZAA0	Zalesovo Array	53.25 350	eP	P	07 25 43.8	-0.6			
ZALV	Zalesovo Beam	53.25 350	P	P	07 25 42.8	-1.2			
ZALV	comp=Z,14nm,0.9s,baz=178,slow=6.1,SNR=17								
ZAA1	Zalesovo Array	53.26 350	eP	P	07 25 42.8	-1.2			
KLR	Kul'dur	54.90 26	iP	P	07 25 54.0	-2.1			
RAYN	Ar Rayn	56.08 297	eP	P	07 26 05.4	+0.3			
RAYN	Ar Rayn	56.08 297	eP	P	07 26 05.4	+0.3			
BVAR	Borovyoye Array	56.28 340	LR	LR	07 53 30.1				
BRVK	Borovyoye	56.34 340	eP	P	07 26 05.6	-0.8			
BRVK	Borovyoye	56.34 340	eP	P	07 26 05.6	-0.8			
BOD	Bodaibo	57.08 9	eP	P	07 26 16.8	+0.2			
BOD									
ABKAR	Aktubay array	57.84 331	eP	P	07 26 16.4	-0.6			
AKTO	Aktubinsk	59.55 331	LR	LR	07 55 19.5				
AKT	Akhty	60.62 318	eP	P	07 26 35.5	-1.2			
NKL	Nikolayevsk	61.64 27	eP	P	07 26 38.6	-4.5			
NKL					07 27 21.8				
NKL					07 28 53.1				
NKL					07 35 02.6	-2.8			
NKL					07 36 31.1				
NKL	comp=Z,6.0nm,1.1s								
NKL	comp=N,5.0nm,1.2s								
NKL	comp=E,7.0nm,1.2s								
NKL	comp=Z,16nm,1.6s								
NKL	comp=E,9.9nm,12.0s								
NKL	comp=Z,390nm,16.0s								
NKLO	Kilima Mbogo	61.83 268	iP	P	07 26 50.7	+5.2			
GMI	Garni	62.12 315	LR	LR	07 57 21.3				
TBLG	Delisi	62.76 317	eP	P	07 26 51.6	+0.6			
TBLG	Delisi	62.76 317	eP	P	07 26 51.6	+0.6			
ARU	Arti	63.33 336	LR	LR	07 56 54.4				
ARU	Arti	63.33 336	eP	P	07 26 53.5	-0.9			
ARU	Arti	63.33 336	iP	P					

ISN 11 07:17:02.3:0.3, 37.01N:42.64E, h0km, ML2.7
ISCJB 11 07:17:03.0:0.6, 37.01N:0.04:42.46E:0.04, h10km, Error
ellipse: s-maj=5.9km s-min=3.6km az=28.8

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like MSLS Musul, MSLS Cukurca, SRTM Siirt_Merkez, HAHT HAKKARI, BTMN Batman, AKDM Akdamar-Van, MAZI Mazidag, MUSH Mu-Merkez, DYBB Diyarbakir, SVRC Sivrice-ELAZID.

ROM 11 07:25:54.5:0.1, 43.823N:0.008:12.037E:0.006,
h9km, ML1.57, Error ellipse: s-maj=1.0km s-min=0.1km
az=202.0, Central Italy

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like SFI Santa Sofia, ASQU Asqua, CPGN Carpegna, PARC Parchiule, PE3 Peglio, RUFU Rufina, CAFI Castiglione Fio, BRIS BRISIGHELLA, ATVO AVT-Monte Val, SEI Scarperia, MPAG Monte Paganuccio.

mb3.9/18, Error ellipse: s-maj=11.1km s-min=7.4km
az=158.5
NEIC 11 07:26:15.6:2.3, 12.76N:47.89E, h10km, mb4.0/13, Error
ellipse: s-maj=18.5km s-min=6.5km az=139.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like DAMY Dhamar, ATD Arta Tunnel, KMBO Kilima Mbogo, BR101 Keskin Array S, BR102 Keskin Array B, KKAR Karatay Array, AAK Ala-Archa, NRN Naryn, ABKAR Akbulak array, KDJ Soda Tunnel, BUR08 Bucovina Ar. S, AKBB Malin Array Si, TSUM Tsumeb, ARU Art, MAKZ Makanchi, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, TORO Torodi Arr. Bea, TOA1 Torodi Arr. Sit, KURK Kurchatov, BOSA Boshof, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, SONAO Songoino Array, SONM Songoino Array, NV01 Mina Array Sit, NVAR Mina Array Bea.

TAP 11 07:36:56.0, 24.25N:121.70E, h10km, 1km, ML1.2, D,
Taiwan

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like NACB Ninganchiao, ENA Nanao, NANB Nanao, TWD Chiawan, ETLH Xiulin Townshi, ETLS Zalesovo, NNSB Datong, NDT Datong Townshi, WHF Hehuan Shan, WHF Hehuan Shan, YHNB Yeheng.

JMA 11 07:37:07.0:0.1, 24.11N:123.57E, h19km, 2km, M1.8,
Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like HATJ Hateruma jima, IRIF Iriomote-Funau, JKRS Kuro-shima, JIJ Ishigaki jima, YOJ Yonaguni jima, JYNG Yonagunijimaku, JISG Ishigakijimahi.

ASRS 11 07:47:03.2:53.71N:91.07E, M3.9, Industrial explosion
(after: The Earthquakes of Russia in 2012. Obninsk, GS
RAS, 224p + CD-ROM, 2014)

IDC 11 07:47:06.8:2.9, 53.50N:90.84E, h0km, mb1 3.5/4,
mb1mx3.3/56, mb1mp3.5/4, ML3.4/3, Error ellipse:
s-maj=25.5km s-min=19.2km az=57.0

NNC 11 07:47:15.2:4.2, 53.41N:90.30E, h13km, 18km, mb4.0,
mp4.1, Error ellipse: s-maj=29.3km s-min=20.1km
az=94.0, Suspected Mining explosion

ISC 11 07:47:08.3:3.8, 53.53N:11.30E, 0.2, h0km, n17,
0.89/13, 6C-2D, Southwestern Siberia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, SEM Semipalatinsk, ZSN Zaisan, ZSN Zaisan, KURBB Kurchatov Arra, KURBB Kurchatov Arra, KURBB Kurchatov Arra.

KURBB 74m, 0.8s
KURBB 12.2m, 0.8s
MK31 Makanchi Array 8.60 221 Pn
MK31 7.7m, 0.9s, baz=35, slow=13, SNR=41

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, KAPS Kapalarasan, DJR Jarkent, BVAR Borovoye Array, BVAR Borovoye Array, OTUK Ortayu, CHKK Chushkaly, BTLS Baital, AAK Ala-Archa, AKTO Aktyubinsk.

NEIC 11 07:51:12.4:1.4, 29.34N:142.36E, h10km, 1km, mb4.3/8,
Error ellipse: s-maj=22.4km s-min=9.1km az=66.0

IDC 11 07:51:12.4:1.5, 29.27N:142.17E, h0km, mb4.1/5,
mb1 4.2/6, mb1mx3.7/51, mb1mp4.0/6, ML3.1/1, Error
ellipse: s-maj=53.8km s-min=26.2km az=69.0

ISCJB 11 07:51:13.9:0.7, 29.41N:0.07:142.1E:0.1, h24km,
mb4.3/11, Error ellipse: s-maj=15.9km s-min=9.6km
az=164.8

ISC 11 07:51:15.2:0.9, 29.4N:0.1:142.3E:0.1, h24km, n18,
0.19/17, 19m, 0.3s, 1.1, Southeast of Honshu

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like MJAR Matsushiro Arr, MAJO Matsushiro, MAJO Matsushiro, JNU Natsuke, YULB Yu-li, SSSL Suanglung, MK32 Makanchi Array, MKAR Makanchi Array, WR1 Warramunga Arr, WRA Warramunga Arr, KURK Kurchatov, KURBB Kurchatov Arra, BVAR Borovoye Array, KK31 Karatay Array, ABKAR Akbulak array, FIA1 FINESS Array S, U15A North Rim, TXAR Lajitas Array, SENIN Lac Sentin/Sane.

ISCJB 11 07:56:01.2:0.6, 24.02N:0.02:122.87E:0.02, h8km, 4km,
Error ellipse: s-maj=3.2km s-min=2.2km az=171.4

TAP 11 07:56:01.2:24.05N:122.86E, h9km, 1km, ML3.2, D
JMA 11 07:56:02.5:0.1, 24.09N:122.88E, h18km, 2km, M3.3

ISC 11 07:56:01.4:1.1, 24.03N:0.03:122.87E:0.02, h12km, 9km,
n7.1, 0.63/17, Taiwan region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Residual, ISC. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, YOJ Yonaguni jima, IRIF Iriomote-Funau, E0S1 E0S1, E0S1 E0S1, HATJ Hateruma jima, JKRS Kuro-shima, TWC Suao, NANB Nanao, NANB Nanao, ENA Nanao, ENA Nanao, TWD Chiawan, TWD Chiawan, NACB Ninganchiao, NACB Ninganchiao, JIJ Ishigaki jima, JIJ Ishigaki jima, NTC Toucheng, NTC Toucheng, TWB1 Santiao Chiao, TWB1 Santiao Chiao, ETLL Xiulin Townshi, TWE Xiulin Townshi, TWE Xiulin Townshi, ESL Shilin, ESL Shilin, TIPB Shuangxi, TIPB Shuangxi, ENTJ Nioudou, ENTJ Nioudou, SLBB Yuanshan, SLBB Yuanshan, NDT Datong Townshi, NDT Datong Townshi.

ISCJB 11 07:26:14.2:0.5, 12.79N:47.86E:0.06, h10km,

Table with columns: ATVO, S, Sb, AML, 08 06 41.5 -0.4, SFI, comp=E,5520um,0.2s, AML, AML, etc.

IDC 11 08:08:17.9,0.0,9,0.40S:125.19E,h0km,mb3.7/8, mb1 3.9/8,mb1mx3.7/34,mbtmp3.8/8,MS3.6/3,Ms1 3.6/3, ms1mx2.8/44, Error ellipse: s-maj=56.1km s-min=18.0km az=75.0

DJA 11 08:08:22.7,0.3,0.3,0.2S:2.12E, h10km,M4.1/6,MLv4.1/6

ISC 11 08:08:19.0,0.7,0.36S:0.06E:125.23E,0.05,h10km,n16, r0597/15,mb3.8/8,Southern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISCJB 11 08:11:02.8,1.1,30.56S:0.09:179.3E:0.2,h500km, mb3.5/5, Error ellipse: s-maj=21.9km s-min=11.1km az=162.8

IDC 11 08:11:05.4,3.6,30.65S:178.98E,h506km,29km,mb3.0/5, mb1 3.3/8,mb1mx3.1/28,mbtmp4.2/8, Error ellipse: s-maj=47.5km s-min=17.9km az=52.0

ISC 11 08:11:04.8,1.6,30.70S:0.1x179.1E:0.2,h500km,n14, r1504/16,mb3.7/5,Kermadec Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ROM 11 08:19:08.5,0.1,43.832N:0.005:12.049E:0.006, h8km,Md1.7/6, Error ellipse: s-maj=0.7km s-min=0.2km az=217.0,Central Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

Table with columns: SFI, comp=E,5520um,0.2s, AML, AML, SFI, comp=N,6780um,0.2s, AML, AML, etc.

IDC 11 08:08:17.9,0.0,9,0.40S:125.19E,h0km,mb3.7/8, mb1 3.9/8,mb1mx3.7/34,mbtmp3.8/8,MS3.6/3,Ms1 3.6/3, ms1mx2.8/44, Error ellipse: s-maj=56.1km s-min=18.0km az=75.0

DJA 11 08:08:22.7,0.3,0.3,0.2S:2.12E, h10km,M4.1/6,MLv4.1/6

ISC 11 08:08:19.0,0.7,0.36S:0.06E:125.23E,0.05,h10km,n16, r0597/15,mb3.8/8,Southern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISCJB 11 08:11:02.8,1.1,30.56S:0.09:179.3E:0.2,h500km, mb3.5/5, Error ellipse: s-maj=21.9km s-min=11.1km az=162.8

IDC 11 08:11:05.4,3.6,30.65S:178.98E,h506km,29km,mb3.0/5, mb1 3.3/8,mb1mx3.1/28,mbtmp4.2/8, Error ellipse: s-maj=47.5km s-min=17.9km az=52.0

ISC 11 08:11:04.8,1.6,30.70S:0.1x179.1E:0.2,h500km,n14, r1504/16,mb3.7/5,Kermadec Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ROM 11 08:19:08.5,0.1,43.832N:0.005:12.049E:0.006, h8km,Md1.7/6, Error ellipse: s-maj=0.7km s-min=0.2km az=217.0,Central Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

Table with columns: BRIS, comp=E,2705um,0.5s, AML, AML, BRIS, comp=N,2485um,1.6s, AML, AML, etc.

IDC 11 08:08:17.9,0.0,9,0.40S:125.19E,h0km,mb3.7/8, mb1 3.9/8,mb1mx3.7/34,mbtmp3.8/8,MS3.6/3,Ms1 3.6/3, ms1mx2.8/44, Error ellipse: s-maj=56.1km s-min=18.0km az=75.0

DJA 11 08:08:22.7,0.3,0.3,0.2S:2.12E, h10km,M4.1/6,MLv4.1/6

ISC 11 08:08:19.0,0.7,0.36S:0.06E:125.23E,0.05,h10km,n16, r0597/15,mb3.8/8,Southern Molucca Sea

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISCJB 11 08:19:29.8,0.6,43.83N:0.04:12.03E:0.04,h13km,2km, Error ellipse: s-maj=7.8km s-min=3.1km az=36.1

ROM 11 08:19:29.2,0.1,43.836N:0.006:12.046E:0.007, h8km,ML2.8/10, Error ellipse: s-maj=0.9km s-min=0.2km az=34.0

LDG 11 08:19:31.9,43.67N:12.37E,h30km

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISCJB 11 08:19:30.3,0.9,43.80N:0.05:12.03E:0.04,h12km,5km, n22,r1508/36,Central Italy

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like FRON, PESA, MURB, ATTE, CRMI, ATCC, POPM, SACS, ARCI, MAIM.

IDC 11 08:32:08.4:1.6, 3:92S: 104.05W, h0km, mb4.0/8, mb1.4/3.8, mb1mx4.0/23, mbtmp4.0/8, MS4.2/14, Ms1.4/2/14, ms1mx4.1/18, Error ellipse: s-maj=59.5km s-min=20.9km az=68.0

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like APG, CCIG, ENSP, LNING, ROSC, TX31, TXAR, CBCY, HSIG, JCT, MNTX, 319A, RKT, WHTX, NATX, ABTX, TUCSON, TAOE, LPAZ, MSTX, BNM, LENM, Z41A, AMTX, Y14A, X18A, WMOK, ANMO, X16A, Y12C, W18A, MIAR, WUAZ, W39A, W13A, TULI, T25A, GSC, HHAR, FCAR, MVCO, PLAL, SDCO, S22A, KNB, SHPR, ISA, PKCU, PV01, PV05, PV13, PV02, PV18, PV03, CCUT, PV17, PV11, PV12, PV16, PBMO, PV20, PARMO, PV07, V48A, WVT, MTPU, PV22, MSU, CPCT, Q16A, SRU, PSUT, CCM, R11A.

NEIC 11 08:32:10.4:1.6, 3:92S: 103.52W, h10km, mb4.4/11, Error ellipse: s-maj=38.0km s-min=21.8km az=259.0

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like T47A, P17A, MDPB, O20A, NV01, NVAR, MPU, N23A, DUG, OLIL, CTU, PNTR, BGU, VCNR, AFDM, SPUT, PAHR, HWUT, HVU, PDAR, PPT, PPT2, PPT2, PPT2, PLCA, PLCA, P53A, RSSD, ECSD, HLID, YPP, H17A, TBI, TBI, TBI, YFT, YMR, YHH, YHB, QLMT, RLMT, GCMT, CPUP, COWI, AGMN, EYMN, ULM, ULM, BDFB, SCHO, YKA, YKA, YK5B, RIDG, RND, MCK, ILB, PRP, WRH, KTH, MLY, VNDA, DZM, BORG, H11S2, H11S1, H11S3, JMJC, WHN, LZH, LZH, LZH, CDZ, KSH, KSH, OFUJ.

JMA 11 08:33:44.1:0.2, 37.43N:144.53E, h42km, M4.0, Off east coast of Honshu

FURI	Furi	9.94 249	eP	Pn	09 48 35.7 +1.4
FURI			eS	Sn	09 50 33.2 +7.6
RAYN	Ar Rayn	11.13 348	ePn	Pn	09 48 47.7 -2.7
RAYN	Ar Rayn	11.13 348	eP	Pn	09 48 47.7 -2.7
MHTO	MHTO	12.62 47	P	Pn	09 49 10.5 0.0
BSY	Siaya	13.21 39	P	Pn	09 49 19.9 +0.3
SMDO	Samad	14.08 41	P	Pn	09 49 30.5 -0.2
	SNR=7.9				
ASHO	Ashiyah	14.20 31	P	Pn	09 49 32.3 +0.1
BIDO	Bidih	14.26 40	P	Pn	09 49 34.6 -1.2
	SNR=7.8				
UOSS	Minazif	14.48 31	ePn	Pn	09 49 37.9 +1.8
UOSS	Minazif	14.48 31	P	Pn	09 49 36.0 -0.1
WSAR	Wadi Sarin	14.58 42	Pn	Pn	09 49 37.5 0.0
	0.4nm,0.3s,baz=262,slow=14,SNR=3.7				
WSAR				LR	09 55 03.6
	comp=Z,4um,19.3s,baz=240,slow=37				
MDH	Madha	14.83 30	P	Pn	09 49 41.2 +0.4
KMBO	Kilima Mbogo	17.36 219	P	Pn	09 50 11.2 -2.5
	0.2nm,0.3s,baz=28,slow=14,SNR=10.0				
KMBO				LR	09 56 37.3
	comp=Z,2um,20.6s,baz=16,slow=36				
KMBO	Kilima Mbogo	17.36 219	ePn	Pn	09 50 11.2 -2.5
KMBO	Kilima Mbogo	17.36 219	eP	Pn	09 50 11.4 -3.6
KMBO	Kilima Mbogo	17.36 219	eP	Pn	09 50 12.1 -1.6
	comp=Z,11nm,0.9s				
KMBO				Pn	09 50 12.4 -1.3
EIL	Eilat	20.90 326	P	Pn	09 50 53.5 0.0
	comp=Z,12nm,0.8s,baz=144,slow=5.9,SNR=6.3				
EIL				LR	09 57 47.5
HRFI	Mount Harif	21.14 327	P	P	09 50 55.7 -0.4
MBAR	Mbarara	21.63 234	eP	P	09 51 01.8 +0.2
	comp=Z,61nm,1.2s				
MBAR	Mbarara	21.63 234	eP	Pn	09 51 01.8 +0.2
	comp=Z,61nm,1.2s				
ASF	Jabal al Asfar	22.02 334	P	P	09 51 06.7 +1.1
	comp=Z,14nm,1.0s,baz=125,slow=3.5,SNR=15				
ASF	Jabal al Asfar	22.02 334	P	P	09 51 06.6 +1.1
	comp=Z,51nm,1.3s				
KZIT	Kziot	22.17 327	P	P	09 51 09.5 +2.4
MLLI	Mount Malkishu	22.91 332	P	P	09 51 16.7 +1.8
MMAI	Mount Meron Ar	23.40 332	P	P	09 51 21.1 +1.1
	comp=Z,1.6nm,0.3s,baz=139,slow=7.7,SNR=7.4				
MMAI				LR	09 59 50.6
	comp=Z,3um,18.4s,baz=150,slow=35				
KSDI	Ketar Szold	23.43 333	P	P	09 51 19.5 -0.7
	comp=Z,83nm,1.4s				
GEYT	Alibeck	26.77 18	P	P	09 51 50.5 -0.3
	comp=Z,11nm,0.7s,baz=211,slow=10.0,SNR=8.0				
GEYT				LR	10 03 53.3
	comp=Z,2um,21.0s,baz=195,slow=40				
GYA0B	ALIBECK ARRAY	26.77 18	eP	P	09 51 50.4 -0.4
	comp=Z,53nm,1.4s				
GNI	Garni	27.60 354	P	P	09 51 59.2 +0.8
	comp=Z,3.7nm,0.3s,baz=10,slow=20,SNR=2.1				
GNI				LR	10 04 21.8
	comp=Z,4um,19.4s,baz=160,slow=40				
GNI	Garni	27.60 354	eP	P	09 51 59.9 +1.5
	comp=Z,55nm,1.2s				
GNI	Garni	27.60 354	eP	Pn	09 51 59.9 +1.5
	comp=Z,55nm,1.2s				
AKT	Akhty	28.77 359	eP	P	09 52 09.2 +0.4
AKT				Pn	09 53 01.5
	comp=Z,22nm,1.0s				
KBL	Kabul	28.97 38	eP	P	09 52 12.0 +1.2
	comp=Z,12nm,1.0s				
KBL	Kabul	28.97 38	eP	Pn	09 52 12.0 +1.2
	comp=Z,12nm,1.0s				
AKH	Akhalkalaki	28.98 353	eP	P	09 52 11.8 +1.1
AKH	Akhalkalaki	28.98 353	eP	P	09 52 11.8 +1.1
AKH	Akhalkalaki	28.98 353	eP	Pn	09 52 11.8 +1.1
AKH	Akhalkalaki	28.98 353	eP	Pn	09 52 11.8 +1.1
	comp=Z,20nm,1.1s				
HYB	Hyderabad	29.80 77	iP	P	09 52 21.5 +3.3
BR10I	Keakin Array S	29.88 337	eP	PcP	09 52 22.8 +1.2
BR13I	Keakin Array S	29.88 337	eP	P	09 52 18.7 +0.1
	comp=Z,14nm,0.9s				
BR13I	Keakin Array S	29.88 337	P	P	09 52 18.9 +0.2
	SNR=11				
BRTR	Keakin Array B	29.88 337	P	P	09 52 18.9 +0.2
	comp=Z,6.4nm,0.9s,baz=152,slow=11,SNR=24				
BRTR				PcP	09 55 22.8 +1.2
	comp=Z,1.5nm,0.9s,baz=154,slow=4.3,SNR=4.7				
BRTR	Keakin Array B	29.88 337	eP	P	09 52 18.8 +0.1
BRTR				Pn	09 52 18.8 +0.1
	comp=Z,6.0nm,0.9s				
MAK	Makhchakala	30.25 359	eP	P	09 52 16.4 -5.4
MAK				S	09 57 14.9 -5.8
	comp=Z,16nm,0.3s				
MAK				MLR	09 52 32.3 +1.0
ZEI	Tsey	30.30 353	eP	P	09 52 22.6 0.0
	comp=Z,16nm,0.8s				
ANTO	Ankara	30.33 336	eP	P	09 52 24.3 +1.7
	comp=Z,40nm,1.0s				
ANTO	Ankara	30.33 336	eP	P	09 52 24.3 +1.7
ANTO	Ankara	30.33 336	eP	P	09 52 23.6 -0.8
GROC	Groznyy	30.56 357	eP	S	09 53 23.7 +0.3
GROC				S	09 53 23.7 +0.3
	comp=Z,84nm,1.2s				
IDI	Anovia	30.82 321	P	P	09 52 26.6 -0.3
	comp=Z,4nm,1.0s,baz=148,slow=0.1,SNR=2.5				
NEY	Neytrino	30.89 352	P	P	09 52 27.1 -0.5
OPO	Ambohidratempo	30.99 182	P	P	09 52 28.5 -0.1
	comp=Z,5.2nm,1.0s,baz=241,slow=19,SNR=2.9				
ILGA	Ilgaz	31.01 339	eP	P	09 52 29.4 +0.7
	comp=Z,44nm,1.0s				
NCK	Nalchik	31.03 354	iP	P	09 52 29.9 +1.3
	comp=Z,7.0nm,0.8s				
DIKM	Dikmen	31.03 341	iP	P	09 52 29.6 +0.9
KBZ	Khabaz	31.03 353	P	P	09 52 32.7 +1.4
	comp=Z,3.5nm,0.7s,baz=111,slow=6.5,SNR=8.6				
KBZ				LR	10 06 35.4
	comp=Z,2um,18.7s,baz=145,slow=39				
KVAR	Kislovodsk Arr	31.59 353	P	P	09 52 33.6 -0.1
	comp=Z,2.8nm,0.4s,baz=270,slow=20,SNR=1.3				
KIV	Kislovodsk	31.59 353	eP	P	09 52 33.1 -0.5
	comp=Z,40nm,1.2s				
KIV	Kislovodsk	31.59 353	eP	P	09 52 35.2 +1.5
KIV				S	09 57 45.3 +3.5
	comp=Z,82nm,1.1s				
KIV				Pn	09 52 35.2 +1.5
	comp=Z,273nm,4.6s				
KIV				MLR	09 52 35.2 +1.5
	comp=Z,5um,15.0s				
SOC	Sochi	31.70 348	eP	P	09 52 33.8 -0.8
	comp=Z,2um,14.0s				
SOC				eS	09 53 34.8
SOC				S	09 57 45.0 +1.6
SOC				SnSn	09 59 39.8 +8.9
	comp=Z,10.0nm,0.5s				
SOC				Pn	09 52 33.8 -0.8
	comp=Z,2um,14.0s				
BZK	Bozkurt	31.72 340	iP	P	09 52 36.9 +2.7
CHGR	Chuyangaron	32.01 32	eP	P	09 52 35.0 -2.4
	comp=Z,58nm,1.0s				
GOF	Goifsoyke	32.63 353	iP	P	09 52 44.7 +3.0
GAR	Garm	32.87 33	eP	P	09 52 45.5 -0.5
	comp=Z,93nm,1.1s				
GAR	Garm	32.87 33	eP	Pn	09 52 44.5 -0.5
	comp=Z,93nm,1.1s				
ANN	Anapa	33.36 346	eP	P	09 52 49.8 +0.8
	comp=Z,15nm,1.1s				
ANN				S	09 58 12.0 +2.9
	comp=Z,33nm,1.4s				
ANN				MLR	09 52 49.8 +0.8
ANN				MLR	09 52 49.8 +0.8
LSZ	Lusaka	33.98 216	eP	P	09 52 54.6 -0.3
	comp=Z,22nm,0.9s				

LSZ	Lusaka	33.98 216	eP	P	09 52 54.6 -0.3
	comp=Z,22nm,0.9s				
SEVA	Sevastopol	34.13 342	iP	P	09 52 58.6 +2.9
ALN	Alexandroupoli	34.17 330	eP	P	09 52 56.6 +0.4
	comp=Z,22nm,1.1s				
ALN	Alexandroupoli	34.17 330	eP	P	09 52 56.6 +0.4
	comp=Z,22nm,1.1s				
SIM	Simferopol'	34.37 342	eP	S	09 52 58.2 +0.3
	comp=Z,33nm,0.8s				
SIM				Pn	09 58 28.5 +3.6
	comp=Z,33nm,0.8s				
KDZ	Kurdzhali	35.05 330	eP	P	09 53 02.0 -1.8
PRD	Prozhen	35.34 333	eP	P	09 53 07.0 +0.8
RZN	Rovdia	35.42 329	eP	P	09 53 05.0 -2.2
ELND	Elena	35.81 332	iP	P	09 53 10.9 +0.6
TIRR	Tirgusor	35.94 336	iP	P	09 53 11.1 -0.3
TIRR	Tirgusor	35.94 336	iP	P	09 53 11.1 -0.3
PYUN	Piuthan	36.03 59	eP	P	09 53 11.4 -1.2
	comp=Z,97nm,1.0s				
KSH	Kashi	36.41 38	P	P	09 53 14.4 -1.3
	comp=Z,13nm,1.2s				
KSH				Pp	09 53 19.7 -0.8
KSH				S	09 53 21.1 -1.3
KSH				Pn	09 54 36.1 -2.1
KSH				PcP	09 55 40.9 +1.1
	comp=Z,13nm,1.2s				
KSH				Pn	09 55 40.9 +1.1
	comp=Z,170nm,10.6s				
KSH				MLR	09 53 16.2 0.0
KOLN	Koldanda	36.44 60	eP	P	09 53 16.2 0.0
	comp=Z,150nm,1.0s				
CFR	Carcaiu	36.65 336	iP	P	09 53 17.0 -0.4
CFR	Carcaiu	36.65 336	iP	P	09 53 17.0 -0.4
DANN	Dangsing	36.75 59	eP	P	09 53 14.9 -0.4
	comp=Z,156nm,1.1s				
VTS	Vitosh	36.85 329	iP	P	09 53 19.7 +0.3
VTS	Vitosh	36.85 329	iP	P	09 53 19.7 +0.3
VTS	Vitosh	36.85 329	iP	P	09 53 16.0 -3.4
GKN	Gorkha	37.38 60	eP	P	09 53 21.9 -2.3
BISR	Bisaca	37.53 335	iP	P	09 53 25.3 +0.3
DMN	Daman	37.67 61	eP	P	09 53 26.0 -0.7
	comp=Z,73nm,1.0s				
AAK	Ala-Archa	37.68 32	LR	LR	10 10 40.0
	comp=Z,642nm,19.6s,baz=218,slow=39				
AAK	Ala-Archa	37.68 32	eP	P	09 53 27.2 +0.7
	comp=Z,24nm,1.1s				
AAK	Ala-Archa	37.68 32	eP	P	09 53 27.2 +0.7
	comp=Z,24nm,1.1s				
AAK	Ala-Archa	37.68 32	P	P	09 53 27.3 +0.7
	SNR=14				
VRI	Vrincioaia	37.78 335	iP	P	09 53 28.1 +1.1
VRI	Vrincioaia	37.78 335	iP	P	09 53 28.1 +1.1
PLOR	Plostina	37.80 335	iP	P	09 53 28.5 +1.3
PLOR	Plostina	37.80 335	iP	P	09 53 28.5 +1.3
MLR	Muntele Rosu	37.80 334	iP	P	09 53 28.9 +1.5
	comp=Z,7.6nm,0.9s,baz=153,slow=5.9,SNR=12				
MLR	Muntele Rosu	37.80 334	iP	P	09 53 27.4 0.0
MLR	Muntele Rosu	37.80 334	iP	P	09 53 27.4 0.0
AB31	Akbulak	37.84 13	iP	P	09 53 26.0 -1.5
AB31				Pn	09 53 26.0 -1.5
	comp=Z,12nm,0.8s				
KKN	Kakati	37.87 61	eP	P	09 53 26.6 -1.7
	comp=Z,118nm,1.1s				
PKIN	Phulchoki	37.91 61	eP	P	09 53 28.1 -0.7
KIS	Kishinev	37.92 338	eP	P	09 53 28.0 -0.2
	comp=Z,180nm,2.5s				
KIS	Kishinev	37.92 338	iP	P	09 54 56.0 -4.8
KIS	Kishinev	37.92 338	iP	P	09 52 20.0 -1.3
KIS	Kishinev	37.92 338	iP	P	09 59 36.0 +1.7
KIS	Kishinev	37.92 338	iP	P	09 53 28.0 -0.2
KIS	Kishinev	37.92 338	iP	P	09 54 56.0 -4.8
KIS	Kishinev	37.92 338	iP	P	09 59 20.0
KIS	Kishinev	37.92 338	iP	P	10 02 25.0 -3.5

Table with columns: YSS, YSS, Yuzh-Sakhalins, 84.07, 43, eP, MLR, P, MLR, 09 58 39.6, -2.1, etc.

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

Table with columns: MNMC, Minye Minye, 3.44, 313, P, Pn, 10 36 30.3, +0.8, etc.

MEX 11 09:52:30.0±0.8, 15:11N-93:70W, h33km, 52km, MD3.6, Near coast of Chiapas

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

IDC 11 09:57:22.9±0.0, 53°52'N-87°72'E, h0km, mb1 3.3/2, mb1mx3.0/45, mbtmp3.3/2, ML3.0/2, 1C-4D, Error ellipse: s-maj=25.5km s-min=15.0km az=57.0, Southwestern Siberia

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

IDC 11 10:23:47.3±1.0, 13°07'N-95°85'E, h0km, mb3.8/8, mb1 4.0/8, mb1mx3.7/40, mbtmp3.8/8, Error ellipse: s-maj=54.2km s-min=20.5km az=63.0

ISCJB 11 10:23:51.0±0.8, 13°07'N-95°91'E±0.1, h33km, mb3.9/10, Error ellipse: s-maj=18.9km s-min=10.7km az=15.6

ISC 11 10:23:52.4±0.8, 13°00'N-95°85'E±0.1, h35km, n14, -1860.16, mb3.9/10, Andaman Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

GUC 11 10:30:19.1±0.7, 19°82'S-69°16'W, h1km, 3km, ML3.7, SJA 11 10:30:19.1±0.8, 19°81'S-69°22'W, h10km, 3km, MD3.2, ISC 11 10:30:18.4±1.2, 19°82'S-69°14'W±0.05, h18km, 3km, n26, ±0°91'50, 11C-1D, Northern Chile

IDC 11 10:32:16.0±6.4, 18°76'S-177°80'W, h392km, 66km, mb3.4/10, mb1 3.6/11, mb1mx3.4/27, mbtmp4.1/11, Error ellipse: s-maj=27.6km s-min=16.6km az=64.0

ISCJB 11 10:32:27.0±0.8, 19°05'N-178°1'W±0.2, h532km, mb3.6/7, Error ellipse: s-maj=24.0km s-min=15.6km az=16.7

ISC 11 10:32:28.0±6.8, 18°39'S-178°1'W±0.2, h532km, n13, -1313.13, mb3.6/10, Fiji Islands region

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

SJA 11 10:35:33.0±0.9, 21°55'S-66°88'W, h226km, 9km, ML3.2, MW2.7

ISCJB 11 10:35:34.1±0.7, 21°54'S-66°99'W±0.06, h221km, 13km, Error ellipse: s-maj=8.8km s-min=5.2km az=167.2

SCB 11 10:35:34.7±2.5, 21°40'S-66°88'W, h184km, 28km, ML4.0/2, Error ellipse: s-maj=8.8km s-min=5.2km az=1.0

ISC 11 10:35:33.1±1.8, 21°53'S-66°94'W±0.06, h227km, 17km, n33, ±1313/53, Southern Bolivia

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

WEL 11 10:55:14.3, 45°35'N-16°8'E±1, h121km, 3km, M3.7/23, ML3.7/23, Error ellipse: s-maj=0.0km s-min=0.0km az=57.5, South Island

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

IDC 11 11:08:19.6±2.4, 38°72'N-22°07'E, h0km, mb3.5/2, mb1 3.5/3, mb1mx3.2/28, mbtmp3.5/3, ML3.3/1, Error ellipse: s-maj=135.0km s-min=26.3km az=146.0

ATH 11 11:08:20.8, 38°60'N-22°06'E, h19km, 1km, ML3.4/26, Error ellipse: s-maj=1.1km s-min=0.6km az=239.0

ISCJB 11 11:08:21.1±0.2, 38°62'N-01°22'05E±0.02, h10km, 2km, mb3.5/2, Error ellipse: s-maj=2.5km s-min=2.1km az=153.7

THE 11 11:08:21.7, 38°61'N-22°07'E, h6km, ML3.4/11, Error ellipse: s-maj=0.9km s-min=0.4km az=234.0

ISC 11 11:08:21.3±0.8, 38°61'N-01°22'05E±0.01, h13km, 5km, n131, ±0°94/177, 7C-4D, Greece

Table with columns: Code, Station Name, A°, AZ°, Phase ID, Time, Res, etc.

Table with columns: Code, Station Name, A°, AZ°, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DLFA Delhi, LAKA Lakka, TRAZ Trapeza, AGG Agios Georgios, etc.

Table with columns: MRKA Markates, VLS Valsamata, SKIA Skiathos, etc. Includes stations like MRKA Markates, VLS Valsamata, SKIA Skiathos, etc.

Table with columns: Code, Station Name, A°, AZ°, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SIJI Sorong, BNDI Bandanaira, MTN Manton Dam, etc.

11d 11h:26:38.1±1.9, 16.475±177.77W, h0km, mb3.7/6, mb1 4.1/6, mb1mx3.8/36, mbtmp3.7/6, Error ellipse: s-maj=127.0km s-min=23.5km az=153.0, Fiji Islands region

11d 11h:35:06.5±2.3, 5.45N, 127.10E, h0km, mb3.9/6, mb1 4.1/6, mb1mx3.7/42, mbtmp3.9/6, MS3.8/1, Ms1 3.7/1, ms1mx2.7/39, Error ellipse: s-maj=25.4km s-min=17.9km az=66.0

11d 11h:35:09.0±0.8, 5.37N, 127.09E, h0km, mb3.8/6, MS3.7/1, Error ellipse: s-maj=16.9km s-min=6.6km az=137.3

11d 11h:35:09.6±5.2, 28N, 127.26E, h44km, mb4.5, ML3.3, MS3.1, 11d 11h:35:12.0±1.0, 5.36N, 127.12E, h0.1, h35km, n12, s=1509.16, mb3.9/6, 2C, Philippine Islands region

11d 11h:39:02.4±0.8, 0.39N, 132.90E, h0km, mb4.0/11, mb1 4.2/12, mb1mx4.0/46, mbtmp4.1/12, ML3.9/1, MS3.5/12, Ms1 3.5/12, ms1mx3.2/36, Error ellipse: s-maj=33.6km s-min=14.5km az=75.0

11d 11h:39:04.8±1.9, 0.35N, 132.78E, h14km, mb4.6/12, Error ellipse: s-maj=17.6km s-min=9.9km az=53.0

11d 11h:39:05.9±0.4, 0.35N, 132.72E, 0.04, h33km, mb4.3/20, MS3.4/8, Error ellipse: s-maj=5.6km s-min=4.9km az=168.6

11d 11h:40:50.2±1.8, 39.61N, 73.98E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=40.2km s-min=11.4km az=117.0

11d 11h:41:01.6±0.1, 39.37N, 75.34E, mb2.7, Error ellipse: s-maj=47.2±2.4, 39.4N, 0.1:75.34E, mb2.7, ISC 11 11:41:07.2±2.4, 39.4N, 0.1:75.34E, h0.09, h28km, n15, s=1930.23, 10C-6D, Southern Xinjiang

11d 11h:41:07.2±2.4, 39.4N, 0.1:75.34E, h0.09, h28km, n15, s=1930.23, 10C-6D, Southern Xinjiang

11d 11h:41:07.2±2.4, 39.4N, 0.1:75.34E, h0.09, h28km, n15, s=1930.23, 10C-6D, Southern Xinjiang

ZALV Zalesovo Beam 51.60 331 P P 12 36 59.7 -1.1
0.4km, 0.3s, baz=116, slow=6.6, SNR=2.3

YBH Yreka Blue Hor 97.57 44 LR LR 13 16 16.0

MEX 11 12:32:07.30-7.18, SNR=103.35W, h34km, 14km, MD3.8,
Near coast of Michoacan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include MMIG, EZSV, CJMV, ARIG, ARIG.

IDC 11 12:32:43.9-0.8, 7.10N, 123.72E, h0km, mb3.9/8,
mb1.4/1.9, mb1mx3.8/39, mbmp4.0/9, ML3.9/1, MS3.5/12,
Ms1.3/5/12, ms1mx3.2/45, Error ellipse: s-maj=30.1km
s-min=15.2km az=57.0

ISCJB 11 12:32:44.2-1.1, 7.03N, 0.03x123.43E, 0.04, h21km, gkm,
mb3.8/16, MS3.5/11, Error ellipse: s-maj=7.0km
s-min=4.3km az=176.0

MAN 11 12:32:44.0, 7.12N, 123.43E, h5km, mb4.9, ML3.8, MS3.8
NEIC 11 12:32:50.6-2.3, 7.07N, 123.86E, h64km, 13km, mb4.2/4,
Error ellipse: s-maj=14.1km s-min=6.3km az=190.0

DJA 11 12:32:54.6, 1.1, 6.16N, 8.12E, h10km, M4.8, 8.6, B2.2,
mb4.9/8, MLV4.7/6, MW(mB)4.6/2

ISC 11 12:32:44.1-1.4, 7.04N, 0.03x123.42E, 0.04, h7km, gkm,
n60, e256/59, mb3.9/16, MS3.5/11, 6C-2D, Mindanao

Main table on the left side of the page containing station data for various locations like CTBH, SKMP, ZCP, etc.

ISCJB 11 12:34:58.9-0.3, 23.51S, 0.02-69.66W, 0.05, h96km, 3km,
mb4.1/8, Error ellipse: s-maj=7.4km s-min=4.1km az=4.3

SJA 11 12:34:59.1-0.4, 23.51S, 69.65W, h82km, 3km, ML2.8,
MW2.7

NEIC 11 12:35:00.0-0.0, 23.45S, 69.63W, h83km, mb4.3/6,
ML4.1(GUC), After GUC.

NEIC Felt [I] at Sierra Gorda.
GUC 11 12:35:00.7-0.8, 23.41S, 69.66W, h82km, 4km, ML4.1

IDC 11 12:35:00.9-0.8, 23.59S, 69.27W, h91km, 5km, mb3.9/6,
mb1.4/0.9, mb1mx3.6/36, mbmp4.2/9, MS3.7/2, Ms1.3/7/2,
ms1mx3.0/22, Error ellipse: s-maj=32.9km s-min=9.6km
az=99.0

ISC 11 12:34:59.2-0.6, 23.54S, 0.03-69.64W, 0.04, h85km, 5km,
n59, e148/85, mb4.3/8, 5C-4D, Northern Chile

Main table in the middle of the page containing station data for various locations like PB15, PB10, PB06, etc.

IDC 11 12:37:47.1-2.5, 23.84S, 179.44W, h457km, 27km,
mb3.8/20, mb1.3/9.21, mb1mx3.7/43, mbmp4.6/21, Error
ellipse: s-maj=14.3km s-min=13.2km az=25.0

NEIC 11 12:37:49.7-2.5, 23.78S, 179.49W, h490km, 5km, mb4.5/31,
Error ellipse: s-maj=16.8km s-min=16.0km az=128.0

ISCJB 11 12:37:50.5-0.3, 23.96S, 0.03x179.50W, 0.06, h512km,
mb4.3/40, Error ellipse: s-maj=7.0km s-min=4.0km
az=176.5

ISC 11 12:37:51.2-0.5, 24.00S, 0.06x179.41W, 0.08, h512km,
n99, e145/103, mb4.4/40, South of Fiji Islands

Main table on the right side of the page containing station data for various locations like GLKZ, NIUE, MARCN, etc.

ZALV	comp=Z,4.5nm,0.4s,baz=87,slow=7.7,SNR=15	LR	LR	14 11 51.3	
ZALV	comp=Z,1.4nm,19.6s,baz=70,slow=4.0	LR	LR	14 11 51.3	
ZALV	Zalesovo Beam 41.14 311 P	pmax	pmax	13 52 02.8 0.0	
ZALV	comp=Z,4.0nm,0.4s	MLR	MLR		
CM31	Chiang Mai Arr 42.37 254 eP	P	P	13 52 13.2 -0.1	
CMAR	Chiang Mai Arr 42.37 254 P	P	P	13 52 13.2 -0.1	
MK31	Makanchi Array 43.63 301 eP	P	P	13 52 23.4 +0.3	
MK31	Makanchi Array 43.63 301 eP	P	P	13 52 23.5 +0.3	
MKAR	Makanchi Array 43.63 301 P	P	P	13 52 22.4 -0.8	
MKAR	Makanchi Array 43.63 301 i/P	pmax	pmax	13 52 23.2 0.0	
MAK2	Makanchi 43.84 301 eP	P	P	13 52 25.1 +0.2	
MAK2	Makanchi 43.84 301 eP	P	P	13 52 25.1 +0.2	
SVW2	Sparrevoth 43.94 38 eP	P	P	13 52 27.5 +2.1	
OHAK	Old Harbor 45.24 44 eP	P	P	13 52 36.4 +0.6	
KURK	Kurchatov 45.27 307 eP	P	P	13 52 35.9 -0.3	
KURK	Kurchatov 45.27 307 P	P	P	13 52 36.4 +0.2	
KURB	Kurchatov Arr 45.34 307 P	P	P	13 52 36.4 -0.4	
KDAK	Kodiak Island 45.57 43 eP	P	P	13 52 39.0 +0.6	
KDAK	Kodiak Island 45.57 43 eP	P	P	13 52 39.0 +0.6	
SPU	Mount Spurr 45.65 38 eP	P	P	13 52 39.0 0.0	
BPBW	Bear Paw Mtn. 46.09 34 eP	P	P	13 52 43.5 +0.9	
KTH	Kantishan Hill 46.12 35 eP	P	P	13 52 43.9 +1.0	
RC01	Rabbit Creek A 46.27 38 eP	P	P	13 52 47.2 -0.6	
TOLK	Toolik Lake Re 46.79 28 eP	P	P	13 52 47.5 -0.5	
PMR	Palmer 47.03 38 eP	P	P	13 52 49.0 -0.8	
PMR	Palmer 47.03 38 eP	P	P	13 52 49.0 -0.8	
JIRN	Jiri 47.33 274 eP	P	P	13 52 52.1 -1.0	
SML	Sawmill 47.39 37 eP	P	P	13 52 51.5 -1.2	
SML	Sawmill 47.39 37 eP	P	P	13 52 51.6 -1.2	
CHB	Clear Creek Esch 47.47 33 eP	P	P	13 52 51.2 -2.0	
DHY	Denali Highway 47.74 35 eP	P	P	13 52 56.3 +0.7	
ILAR	Eielson Array 47.85 33 P	P	P	13 52 56.6 +0.4	
SCM	Sheep Creek Mo 47.87 37 eP	P	P	13 52 57.5 +1.0	
SCM	Sheep Creek Mo 47.87 37 eP	P	P	13 52 57.5 +1.0	
KKN	Kakani 47.98 275 eP	P	P	13 52 57.5 -0.4	
PKI	Pulchoki 47.98 274 eP	P	P	13 52 57.5 -0.6	
PKIN	Phulchoki 47.99 274 eP	P	P	13 52 57.5 -0.6	
DMN	Daman 48.20 275 eP	P	P	13 52 59.2 -0.5	
RIDG	Independent Ri 48.82 34 eP	P	P	13 53 04.2 +0.4	
DANN	Dangsing 48.90 276 eP	P	P	13 53 05.5 +0.4	
BOOM	Boomskeye usch 49.15 297 eP	P	P	13 53 05.1 -1.6	
BOOM	Boomskeye usch 49.15 297 eP	P	P	13 53 05.1 -1.6	
SCRK	Sand Creek 49.18 34 eP	P	P	13 53 06.7 +0.2	
KOLN	Koldanda 49.30 276 eP	P	P	13 53 07.5 -0.5	
PYUN	Pyuthan 49.61 276 eP	P	P	13 53 10.4 -0.1	
BVAR	Borovoye Array 49.79 311 P	P	P	13 53 11.1 -0.1	
BRVK	Borovoye 49.85 311 i/P	pmax	pmax	13 53 12.0 +0.4	
AAK	Ala-Archa 50.10 297ceP	pmax	pmax	13 53 14.5 +0.5	
AAK	Ala-Archa 50.10 297ceP	pmax	pmax	13 53 14.5 +0.5	
INK	Inuvik 52.71 28 P	P	P	13 53 33.5 +0.8	
NIL	Nilore 54.53 287 eP	P	P	13 53 45.0 -1.7	
NIL	Nilore 54.53 287 eP	P	P	13 53 45.0 -1.7	
ARU	Arti 55.42 318d i/P	P	P	13 55 56.0 +3.3	
ARU	Arti 55.42 318d i/P	P	P	13 55 56.0 +3.3	
ARU	Arti 55.42 318d i/P	P	P	14 01 37.4 +4.8	
ARU	Arti 55.42 318d i/P	P	P	14 05 11.8 -5.5	
ABKAR	Akbulak array 57.22 309 eP	P	P	13 54 05.2 -0.4	
WR1	Warramunga Arr 58.77 188 eP	P	P	13 54 16.2 -0.5	
WRA	Warramunga Arr 58.77 188 P	P	P	13 54 16.2 -0.5	
RES	Resolute Bay 60.88 15 P	P	P	13 54 30.6 +0.1	
RES	Resolute Bay 60.88 15 P	P	P	13 54 30.6 +0.1	
YKA	Yellowknife Ar 62.15 31 P	P	P	13 54 40.1 +0.9	
YKBS	Yellowknife Ar 62.15 31 eP	P	P	13 54 40.1 +0.9	
AS31	Alice Springs 62.50 188 eP	P	P	13 54 41.7 -0.3	
ASAR	Alice Springs 62.50 188 P	P	P	13 54 41.7 -0.4	
FAIO	FINESS Array S 67.55 332 eP	P	P	13 55 14.4 +0.1	
FAIO	FINESS Array S 67.55 332 eP	P	P	13 55 14.4 +0.1	
FINES	FINESS Array B 67.55 332 P	P	P	13 55 14.4 +0.1	
KIV	Kislovodsk 70.16 311 eP	P	P	13 55 29.9 -1.1	
KIV	Kislovodsk 70.16 311 eP	P	P	13 55 29.9 -1.1	
KBZ	Khabaz 70.16 310 P	P	P	13 55 31.3 +0.4	
FFC	Filin Flon 72.07 33 i/P	P	P	13 55 43.8 +1.5	
NB200	NORSAR Array S 72.82 337 eP	P	P	13 55 44.9 -1.8	
NOA	NORSAR Array B 72.82 337 P	P	P	13 55 44.9 -1.8	
NOA	NORSAR Array B 72.82 337 P	P	P	14 31 57.8	
BOZ	Bozeman (W) 73.24 45 eP	P	P	13 55 51.2 +1.6	
BOZ	Bozeman (W) 73.24 45 eP	P	P	13 55 51.2 +1.6	
AKASG	Main Array Be 73.25 322 P	P	P	13 55 49.2 -0.2	
AKASG	Main Array Be 73.25 322ceP	pmax	pmax	13 55 53.4 +4.0	
AKBB	Main Array Si 73.25 322 eP	P	P	13 55 49.2 -0.2	
AKBB	Main Array Si 73.25 322 eP	P	P	13 55 49.2 -0.2	
NV01	Mina Array S 73.64 54 eP	P	P	13 55 53.7 +1.5	
NVAR	Mina Array Bea 73.64 54 P	P	P	13 55 53.7 +1.5	
PD31	Pinedale Array 76.19 46 eP	P	P	13 56 07.5 +0.7	

PDAR	Pinedale Array 76.19 46 P	P	P	13 56 07.5 +0.7	
VYHS	Vyhne 79.61 326 eP	P	P	13 56 31.7 +6.3	
VYHS	Vyhne 79.61 326 eP	P	P	13 56 31.7 +6.3	
CLL	Collin 79.87 320 eP	P	P	13 56 25.0 -1.7	
TXAR	Lajitas Array 88.76 53 P	P	P	13 57 13.5 +1.2	
LPAZ	La Paz 145.45 58 PKPbc	PKPab	PKPab	14 03 57.5 0.0	
LPAZ	La Paz 145.45 58 ePKPdf	PKPab	PKPab	14 03 57.7 +0.2	
LPAZ	La Paz 145.45 58 ePKIKP	PKPab	PKPab	14 03 57.7 +0.2	

IDC 11 13:46:48.9.3.4.5:40S.149:84E,h0km,mb4.1/2, mb1.5/2,mb1mx3/2,mbmmp4.3/2,MS3.5/9,Ms1 3.5/9,ms1mx3.4/2,Error ellipse: s-maj=11.5km, s-min=45.9km az=114.0, New Britain region

GUMO	Guam 19.50 345 LR	Op	ISC	Time Res h m s ISC	
WRA	Warramunga Arr 20.89 225 P	P	P	13 58 23.7	
ASAR	Alice Springs 23.78 219 P	P	P	13 52 03.9 +0.4	
ASAR	Alice Springs 23.78 219 P	P	P	13 52 03.9 +0.4	
STKA	Stevens Creek 27.45 195 LR	LR	LR	14 01 40.8	
MJAR	Matsushiro Arr 43.12 346 LR	LR	LR	14 11 27.7	
KSRs	Korea Array 47.27 336 LR	LR	LR	14 12 49.9	
CMAR	Chiang Mai Arr 55.48 297 LR	LR	LR	14 22 04.2	
PETK	Petropavlovsk 58.66 6 LR	LR	LR	14 17 30.7	
SOMN	Songino Array 65.29 329 LR	LR	LR	14 26 51.8	
ZALV	Zalesovo Beam 80.03 327 LR	LR	LR	14 33 37.5	
TORD	Torodi Arr 147.66 286 PKPbc	PKPbc	PKPbc	14 06 35.9 -0.7	

ISCJB 11 13:47:49.8.0.4.2:405N,0:03:122:88E,0:02,h18km,5km, Error ellipse: s-maj=5.8km s-min=2.5km az=0.2 TAP 11 13:47:49.9.24:07N,122:81E,h11km,1km,ML2.6,D JMA 11 13:47:50.1.0.1.24:11N,122:87E,h20km,3km,ML2.4 ISC 11 13:47:49.2.1.1.24:12N,0:04:122:89E,0:02,h15km,9km,n34,c080/63,Taiwan region

JYNG	Yonagunijimaku 0.34 8 Op	ISC	ISC	Time Res h m s ISC	
JYNG	Yonagunijimaku 0.34 8 Op	ISC	ISC	13 47 57.4 +0.5	
YOJ	Yonaguni jima 0.36 18 eS	S	S	13 48 02.6 +0.6	
YOJ	Yonaguni jima 0.36 18 eS	S	S	13 48 05.1 -1.5	
YOJ	Yonaguni jima 0.36 18 eS	S	S	13 47 57.9 +0.7	
IRIF	Iriomote-Funau 0.80 74 P	P	P	13 48 03.4 +0.7	
IRIF	Iriomote-Funau 0.80 74 P	P	P	13 48 05.0 +0.3	
EOS1	Eos 0.82 302 eP	P	P	13 48 16.9 -0.5	
EOS1	Eos 0.82 302 eP	P	P	13 48 05.2 +0.2	
HATJ	Hateruma jima 0.84 94 P	P	P	13 48 16.2 +0.3	
HATJ	Hateruma jima 0.84 94 P	P	P	13 48 06.2 -0.2	
JKRS	Kuro-shima 1.03 83 P	P	P	13 48 17.3 +0.9	
JKRS	Kuro-shima 1.03 83 P	P	P	13 48 09.3 +0.2	
TWC	Suao 1.07 297 eP	P	P	13 48 23.6 +0.5	
TWC	Suao 1.07 297 eP	P	P	13 48 09.5 -0.4	
NANB	Nanuo 1.09 287 eP	P	P	13 48 23.5 +0.4	
NANB	Nanuo 1.09 287 eP	P	P	13 48 09.2 -0.4	
NANB	Nanuo 1.09 287 eP	P	P	13 48 23.8 +0.2	
ENA	Nanau 1.09 287 eP	P	P	13 48 09.5 -0.3	
ENA	Nanau 1.09 287 eP	P	P	13 48 23.8 0.0	
JJI	Ishigaki jima 1.17 78 P	P	P	13 48 11.2 +0.2	
JJI	Ishigaki jima 1.17 78 P	P	P	13 48 01.2 -0.2	
NACB	Ninganchiao 1.19 273 eP	P	P	13 48 10.8 -0.3	
NACB	Ninganchiao 1.19 273 eP	P	P	13 48 26.8 +0.3	
TWE	Neitong 1.27 299 P	P	P	13 48 13.7 +0.1	
TWE	Neitong 1.27 299 P	P	P	13 48 29.7 -0.5	
ETLH	Xiulin Townshi 1.29 274 P	P	P	13 48 12.7 0.0	
ETLH	Xiulin Townshi 1.29 274 P	P	P	13 48 31.0 +0.1	
TIPB	Shuangxi 1.29 311 P	P	P	13 48 13.1 -0.1	
TIPB	Shuangxi 1.29 311 P	P	P	13 48 30.5 -0.4	
SLBB	Yuanshan 1.31 299 eP	P	P	13 48 14.4 0.0	
SLBB	Yuanshan 1.31 299 eP	P	P	13 48 32.2 +0.7	
ENTT	Nioudou 1.31 294 P	P	P	13 48 13.7 +0.1	
ENTT	Nioudou 1.31 294 P	P	P	13 48 30.7 +0.5	
NDT	Datong Townshi 1.35 291 eP	P	P	13 48 14.6 -0.5	
NDT	Datong Townshi 1.35 291 eP	P	P	13 48 31.4 +0.3	
JISG	Ishigakijimahi 1.38 70 P	P	P	13 48 14.7 +0.1	
JISG	Ishigakijimahi 1.38 70 P	P	P	13 48 33.1 -0.5	
NNSB	Datong 1.41 283 P	P	P	13 48 15.3 +0.1	
NNSB	Datong 1.41 283 P	P	P	13 48 33.6 +0.6	
NNS	Nan Shan 1.42 283 eP	P	P	13 48 15.7 +0.2	
NNS	Nan Shan 1.42 283 eP	P	P	13 48 34.1 +0.7	
HGSD	Ruisui 1.48 245 eP	P	P	13 48 14.2 -1.0	
HGSD	Ruisui 1.48 245 eP	P	P	13 48 33.1 -1.2	
YHNB	Yeheng 1.49 292 eP	P	P	13 48 17.2 -0.6	
YHNB	Yeheng 1.49 292 eP	P	P	13 48 36.1 +0.9	
NSK	Sanguang 1.50 292 P	P	P	13 48 17.5 -0.6	
NSK	Sanguang 1.50 292 P	P	P	13 48 36.2 +0.5	
YMK1	YMO1 1.58 311 eS	S	S	13 48 38.4 +0.5	
YULB	Yu-li 1.63 244 eP	P	P	13 48 16.4 -0.9	
YULB	Yu-li 1.63 244 eP	P	P	13 48 36.6 -1.3	
VWDT	VWDT 1.64 258 eP	P	P	13 48 17.1 -0.3	
VWDT	VWDT 1.64 258 eP	P	P	13 48 35.9 -2.4	
TWF1	Yuli 1.65 243 eP	P	P	13 48 16.9 -0.6	
TWF1	Yuli 1.65 243 eP	P	P	13 48 37.5 -0.9	
TJT	Tarama 1.73 72 P	P	P	13 48 18.1 -0.6	
TJT	Tarama 1.73 72 P	P	P	13 48 38.8 -1.7	
SSLB	Suanguang 1.80 260 eP	P	P	13 48 20.5 +0.8	
TYC	Yucheng 1.87 264 eP	P	P	13 48 21.3 +0.7	
WHYT	Xinyi Township 1.91 258 eP	P	P	13 48 22.3 +1.1	
CHN1	Nantai 2.36 247 eP	P	P	13 48 28.8 +1.5	
CHN1	Nantai 2.36 247 eP	P	P	13 48 57.9 +1.9	
TWK	Hsiyung 2.36 249 eP	P	P	13 48 28.6 +1.3	
TWK	Hsiyung 2.36 249 eP	P	P	13 48 57.6 +1.5	

ISCJB 11 14:19:13.7:0.5.14:48N,0:06:144:3E,0:1,h400km, mb3.8/16, Error ellipse: s-maj=16.7km s-min=8.4km az=175.2

IDC 11 14:19:14.2:0.4.14:46N,144:36E,h390km,4km,mb3.5/17, mb1 3.7/18,mb1mx3.5/35,mbtmp4.3/18, Error ellipse: s-maj=15.2km s-min=8.0km az=91.0

ISC 11 14:19:14.8:0.5.14:45N,0:07:144:4E,0:1,h400km,n30,c086/29,mb3.8/16, Mariana Islands

GUMO	Guam 0.98 151 P	Op	ISC	Time Res h m s ISC	
GUMO	Guam 0.98 151 P	Op	ISC	14 20 05.5 -0.4	
JAY	Jayapura 17.24 192 P	P	P	14 22 52.9 +1.4	
SIJI	Sorong 20.00 222 P	P	P	14 23 19.4 0.0	
H1S3	WAKE ISLAND Hy 21.77 76 T	T	T	14 44 59.5	
H1S1	WAKE ISLAND Hy 21.78 76 T	T	T	14 44 59.8	
H1S2	WAKE ISLAND Hy 21.78 76 T	T	T	14 45 01.1	
H1N1	WAKE ISLAND Hy 22.14 73 T	T	T	14 45 23.4	

11d 15h

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like PARC Parchiule, RUFU Rufina, BRIS BRISIGHELLA, etc.

ROM 11 15:05:54.0±0.1, 43.831N±0.004, 12.029E±0.005, h8km, ML3.0/8, Error ellipse: s-maj=0.6km s-min=0.1km az=214.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like SFI Santa Sofia, ASQU Asqua, CPGN Carpegna, Italy, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like PARC Parchiule, SSSP Sansepolcro, BADI Badiali, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like SSSP Sansepolcro, BADI Badiali, PE3 Peglio, etc.

2013 JUL

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like PE3, RUFU Rufina, ATPI Pietralunga, etc.

WEL 11 15:06:57.9±0.3, 10°18'0E±1.4, h33km, M3.4/31, ML3.6/24, MLV3.4/31, Error ellipse: s-maj=0.0km s-min=0.0km az=66.3, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like CNGZ Carnagh Statio, PUZ Puketiti, PRGZ Paritu Road, etc.

KRSC 11 15:10:14.1±1.4, 54.36N±1.65, 38E, h22km±19km, ML3.7, Komandorsky Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like MKZ Mys Kozlova, KBTR Krutoberegovo, etc.

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Table with columns: SMAR, UGLR, KRER, AVH, KRX, GNL, GNL, MTVR, MTVR, ASAK. Includes station names like Uglorvaya, Krogavskii, Avacha, Arik, Ganaly, Mutnovka, Asacha.

ISCJB 11 15:22.0±0.7, 36°15'N±0.05, 140°13'E±0.06, h62km, 5km, mb3.4/5, Error ellipse: s-maj=9.6km s-min=6.3km az=45.0 JMA 11 15:22.5±0.1, 36°18'N±1.40, 11E, h51km±1km, M3.6 Broadband fault plane solution: P waves: NP1: ...

ISC 11 15:12:22.4±3.2, 36°12'N±1.39, 96E, h66km±26km, mb3.2/5, M1 3.3/6, mb1mx3.1/27, mbtmp3.4/6, ML1.6/1, MS3.5/1, Ms1.3.6/1, ms1mx2.7/11 Error ellipse: s-maj=28.8km s-min=24.7km az=72.0

ISC 11 15:12:21.1±1.0, 36°16'N±0.06, 140°12'E±0.05, h55km±7km, n22, c19°10'25, mb3.3/5, 1C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like JYT Yasato, JAG Ashikaga, JKT Katashina, etc.

IDC 11 15:14:18.2±3.8, 58°45'S±1.49, 51E, h0km, mb3.5/3, mb1.3.8/3, mb1mx3.5/18, mbtmp3.6/3, Error ellipse: s-maj=126.2km s-min=32.1km az=107.0, New Britain region

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

MAN 11 15:21:49.0±0.8, 16°32'N±95.58W, h55km±14km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like APYP Conner, CVP Callao Caves, SSCP Mt. Cagua, etc.

MEX 11 15:21:49.0±0.8, 16°32'N±95.58W, h55km±14km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like HUG Huatulo, HUG Matias Romero, CMIG Puerto Angel, etc.

ROM 11 15:24:47.0±0.1, 43.828N±0.006, 12.028E±0.006, h8km, ML1.6/8, Error ellipse: s-maj=0.8km s-min=0.1km az=207.0, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res. Includes stations like SFI Santa Sofia, SFI comp=E, 458µm, 0.8s, etc.

11d 15h

2013 JUL

Table with columns: Station Name, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EOST, NANO, NANB, ENA, etc.

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

NSCC 11 15:37:41.3±0.8,33.88N±35.75E, h4km±167km, ML1.4
ISCJB 11 15:37:42.1±1.8,33.81N±0.05±35.7E±0.1, h22km±14km,
Error ellipse: s-maj=15.5km s-min=8.0km az=163.0
GRAL 11 15:37:42.8±0.3,33.80N±35.77E, h17km±3km, MD2.5
ISC 11 15:37:42.4±1.1,33.83N±0.05±35.78E±0.06, h15km±11km,

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

WEL 11 15:44:28.5±0.5,32.9°S,18°0'W,1.9°h, h33km, M4.6/14,
mB5.1/5,ML4.9/14,MLV4.6/14,Mw(mB)4.4/5, Error
ellipse: s-maj=0.0km s-min=0.0km az=113.0, South of
Kermadec Islands

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

Table with columns: Station Name, Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like PXZ, BFZ, MRZ, CTZ, etc.

11d 16h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ERBM Eremo, CARD Cardoso, MSSA Maissana, BDI Bagini Di Lucca, MAIM Mastiano, POPM Popiglio, MTRC Monte La Croce Trifonti, CASP Castiglione de, PGF Pioggiola, SBF Sospel, BHB Bricherasio, MBDF Montbardon, FRF La Foret Royal, LPL La Plagne, LMR La Moure, and ORIF Oris-en-Rattie.

2013 JUL

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like SMRF Simiane la Rot, NVLJ DUGI Dugi Otok, CDF Champ du Feu, ROM 11 16:40:32.5, FIVI Fivizzano, EQUI Equi, T0912 Minucciano (LU), T0912 Villacollemand, PLMA Palmaria, Port, ROM 11 16:41:05.8, FIVI Fivizzano, EQUI Equi, T0912 Minucciano (LU), T0912 Villacollemand, PLMA Palmaria, Port, ROM 11 16:42:22.4, SIVA Sivas, GVD Gavdhos, VAM Vamos, IMMV Iera Moni Meta, THRS Thira Island, ANKY Antikythira Is, MHLO Agia Marina, KTHA Kythira Island, KLV Katsvryta, MMAI Mount Meron Ar, BRTR Keskin Array B, EIL Elat, AKAS Malin Array Be, GERES GERES Array B.

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Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MAIM, POPM, FNVD, SZAC, ASGA, PPCY, CSS, ALFC, MMA0B, GEM, NATI, MMLI, YTIIR, IDC, SIVA, LAST, GVD, VAM, IMMV, THRS, ANKY, MHLO, KTHA, KLV, MMAI, BRTR, EIL, AKAS, GERES.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like HFS Hagfors, EKA Eskdalemuir Ar, TORD Torodi Arr, MKAR Makanchi Array, ZALV Zalesovo Beam, SONM Songino Array.

HLW 11 16:50:59.3; 95.94N; 26.46E, h2km, 31km, ML3.0
ATH 11 16:51:02.6; 36.03N; 26.06E, h130km, 3km, ML3.2/10,
Error ellipse: s-maj=3.6km, s-min=1.4km, az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANAF Anafisi Island, ANAF Anafisi Island, ANAF Anafisi Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Santorini-Mono, THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANAF Anafisi Island, ANAF Anafisi Island, ANAF Anafisi Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THRS Thira Island, THRS Thira Island, THRS Thira Island.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like VLI Veliai, DID Didima, AKAS Kas, AKAS Kas, EPID Epidavros.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like AKUM Antikyra-Kumliuc, TRIP Tripoli, ITM Ithomi, GUR Goura, PYLOS Pylos.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like DEF Desfina, KLV Katavria, Ach, DSF Artemida-Makis, KALE Kalithea.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like LAKA Lakka, AGG Agios Georgios, KEPZ Kepez, SLUM Salutas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SLUM Salutas, SLUM Salutas, SLUM Salutas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SONM Songino Array, MK31 Makanchi Array, MK32 Makanchi Array, MK32 Makanchi Array.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KURK Kurchatov, BRVK Borovoye.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like ILAR Eileison Array, YKA Yellowknife Arr, YKBS Yellowknife Arr, ARCES ARCES Array.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

Table with columns: Station Name, Az, Phase ID, Time, Res. Includes stations like SIVA Sivas, SIVA Sivas, SIVA Sivas.

IDC 11 16:57:52.0; 1.4, 10.07S; 124.12E, h0km, mb3.7/4,
mb1 3.9/6, mb1mx3.6/39, mbtmp3.7/6, ML3.8/2, MS3.1/3,
Ms1 3.1/3, ms1mx2.8/32, Error ellipse: s-maj=28.4km
s-min=9.0km, az=154.0

ISCJB 11 16:57:52.8; 0.3, 10.56S; 0.0; 4.123; 70E; 0.04, h27km,
mb4.0/9, MS3.5/1, Error ellipse: s-maj=7.9km, s-min=3.6km
az=42.4

DJA 11 16:57:54.9; 0.5, 10.5; 3; 12.4E; 1, h10km, 3km, M4.3/9,
mb4.7/4, ML4.2/5

NEIC 11 16:57:59.9; 2.3, 10.38S; 124.02E, h76km, 9km, mb4.1/8,
Error ellipse: s-maj=19.7km, s-min=10.8km, az=71.0

ISC 11 16:57:54.6; 0.6, 10.54S; 0.05; 123.68E; 0.05, h27km, n35,
z263/43, mb4.1/9, Timor region

ISC 11 17:00:23.0; 6.1, 11.30N; 139.31E, h0km, mb3.9/8,
mb1 4.1/9, mb1mx3.8/47, mbtmp3.9/9, ML4.0/1, MS3.3/7,
Ms1 3.4/7, ms1mx3.0/40, Error ellipse: s-maj=31.3km
s-min=23.7km, az=95.0

ISCJB 11 17:00:23.0; 6.1, 11.30N; 139.31E; 0.2, h33km,
mb4.0/12, MS3.3/5, Error ellipse: s-maj=21.8km
s-min=10.9km, az=172.9

NEIC 11 17:00:26.7; 1.5, 11.31N; 139.18E, h46km, 7km, mb4.2/4,
Error ellipse: s-maj=38.7km, s-min=21.3km, az=81.0

IDC 11 17:08:30.1; 1.4, 33.99N; 24.75E, h0km, mb3.8/4,
mb1 3.6/8, mb1mx3.4/37, mbtmp3.5/8, ML3.9/3, MS2.6/1,
Ms1 2.6/1, ms1mx2.0/49, Error ellipse: s-maj=27.7km
s-min=23.0km, az=130.0

THE 11 17:08:34.5; 34.14N; 25.11E, h4km, 9km, ML2.9/3, Error
ellipse: s-maj=10.9km, s-min=2.2km, az=161.0

ATH 11 17:08:36.6; 34.29N; 24.97E, h25km, 1km, ML2.7/7, Error
ellipse: s-maj=3.6km, s-min=1.6km, az=354.0

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

ISC 11 17:08:35.4; 2.1, 34.20N; 0.09; 25.00E; 0.04, h12km, 10km,
n30, z091/40, mb3.8/4, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBL Kabul, GAR Garm, BTK Batken, etc.

GCG 11 18:17:35.4-0.4, 13.50N-91.66W, h9km, 60km, MD3.9

IS/CJB 11 18:17:39.3-1.2, 13.77N-01.09-91.58W, 0.06, h28km, 9

MEX 11 18:17:42.8-0.4, 13.78N-91.68W, h15km, MD3.9

SNET 11 18:17:43.0-0.9, 13.73N-91.19W, h8km, 11km, ML3.3

ISC 11 18:17:39.4-2.3, 13.77N-01.19-91.55W, 0.07, h28km, n13,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SANTIAGO 3, FUEGO 3, PACAYA, etc.

NIED 11 18:18:00.36-80N, 140.60E, h5km, Mw3.6 Best double

ISC/JB 11 18:18:30.8-0.6, 36.74N-103.140-171E, 0.05, h21km, 3km,

JMA 11 18:18:32.2, 36.78N-140.57E, h9km, 1km, M3.8

DMC 11 18:18:35.8-2.3, 36.83N-140.64E, h48km, 20km, mb3.5/7,

NEIC 11 18:18:35.7-1.7, 36.76N-140.64E, h50km, 9km, mb4.1/2,

ISC 11 18:18:31.5-1.1, 36.76N-140.64E, 0.05, h15km, 7km,

ISC 11 18:18:31.5, 36.76N-140.64E, 0.05, h15km, 7km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JHO Hitachi, JHD Fukushimafurud, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND Hy 29.24 121 T, H11S2 WAKE ISLAND Hy 29.26 121 T, etc.

ISC/JB 11 18:41:36.9-0.4, 9.88S-104.124-21E, 0.03, h70km, 3km,

BUL 11 18:41:37.0-0.0, 9.80S-124.20E, h65km, mb4.7/5,

DJA 11 18:41:38.2-0.2, 10.5-3-12-4E, h65km, 3km, M4.9/19,

NEIC 11 18:41:38.1-1.7, 9.71S-124.36E, h58km, 4km, mb4.4/17,

ISC 11 18:41:39.8-1.3, 9.64S-124.01E, h63km, 12km, mb3.9/13,

ISC 11 18:41:38.1-0.6, 9.74S-104.124-21E, 0.04, h60km, 6km,

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PANO Nakornpanom, CHAI Chaiyaphum, CNB Canberra Magne, etc.

ISC 11 18:48:08.0-0.8, 29.15N-96.00E, h0km, mb3.8/12,

ISC/JB 11 18:48:11.1-0.4, 29.10N-101.04-95.71E, 0.04, h34km,

ISC 11 18:48:12.9-0.6, 29.00N-95.79E, h7km, ML3.9/6, Ms3.6/5,

ISC 11 18:48:12.9-0.6, 29.00N-95.79E, h7km, ML3.9/6, Ms3.6/5,

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

Table with columns for station name, frequency, power, and other technical details. Includes stations like PESA Pesaro, Castellina Chi, ATTE AVT-Monte Ze, MURB Monte Urbino, PTF Prato, ARVD Arcevia, FROS Frosini, SNTG Esanatoglia, MGAB Montebabbione, and ASSB Assisi San Ben.

Table with columns for station name, frequency, power, and other technical details. Includes stations like POPM, MAIM Mastiano, FDMO Fiordimonte, PGF Pioggiaola, ABTA Abfalterbach, ABYKA Terra Mystica, OBKA, SBF Sospel, FETA Feichten, KBA Koelbreinsp, SQTA Sankt Quirin, SOTA, SOKA Soboth, MOKA Moosalm, RETA Reutte, DAVA Danube, FRF La Foret Royal, LMR La Moure, SMRF Simiane la Rot, HINP Hinterfeld, CDF Champ du Feu, and HAU Haundopre.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DMN Daman, BHPL Bhopal, PKIN Pulchoki, PKI Pulchoki, JIRN Jiri, MKAR Makanchi Array, GEYT Alibeck, KURBB Kurchatov Arra, WSAR Wadi Serin, BVAR Borovoye Array, AKTO Aktyubinsk, ZALV Zalesovo Beam, CMAR Chiang Mai Arr, ARU Ari, SONM Sogino Array, BRTR Keskin Array B, FINES Finess Array B, NB2 NORSAR Subarra, NOA NORSAR Array B, TORD Torodi Arr, ILAR Eielson Array, WRA Warramunga Arr, BOSA Boshof, ASAR Alice Springs, CMAR Chiang Mai Arr, H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, MKAR Makanchi Array, SONM Sogino Array, ZALV Zalesovo Beam, WRA Warramunga Arr, FINES Finess Array B, GERES GERRS Array B, NOA NORSAR Array B, ILAR Eielson Array, HNR Honiara, HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, PPT Papeete, PBT2 Papeete, HNR Honiara, USRK Ussuriysk Ar, CMAR Chiang Mai Arr, ULN Ulanbataar, SONAO Sogino Array, SONM Sogino Array, HDA Harding Lake.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like FETA, RETA, TOAO, TORO, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like KSM, WHN, SBU, BOD, etc.

Table with columns: Station Name, Frequency, Power, Direction, and Time. Includes stations like PARC, BADI, BADI, etc.

ROM 11 20:32:56.4-0.1, 43:827N, 0:006:12.039E s-maj=0.7km s-min=0.2km az=27.0, Central Iray

Table with columns: Code, Station Name, Frequency, Power, Direction, and Time. Includes stations like SFI, SFI, SFI, etc.

IDC 11 20:35:18.8-1.4, 1:27N:122.97E, h0km, mb3.4/4, m1 3.6/4, mb1mx3.4/28, mbtmp3.4/4, Error ellipse: s-maj=164.9km s-min=23.7km az=66.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Frequency, Power, Direction, and Time. Includes stations like WRA, ASAR, SONM, MKAR, etc.

UCR 11 20:46:26.8-0.9, 11:26N:85:69W, h192km, z=7km, MW3.6, Nicaragua

Table with columns: Code, Station Name, Frequency, Power, Direction, and Time. Includes stations like GB1A, GB1A, BUEV, etc.

GUC 11 21:11:29.7-0.7, 20:66S:68:96W, h106km, z=3km, ML3.6 SJA 11 21:11:29.6-0.8, 20:67S:68:92W, h105km, z=5km, MD3.0

Table with columns: Code, Station Name, Frequency, Power, Direction, and Time. Includes stations like PB08, PB08, PB08, etc.

Table with columns: ILAR, Eielson Array, 40.37 38 P, P, 21 48 03.0 -1.3, etc. Includes stations like Makanchi Array, Kurchatov, Lhasa, etc.

MEX 11 21:55:54.8-0.6, 16.35N-98.65W, h21km, 40km, MD3.6, Near coast of Guerrero

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

NSSC 11 22:30:08.4-0.3, 33.96N-35.87E, h12km, 2km, ML1.3, Error ellipse: s-maj=10.6km s-min=8.4km az=178.0

Table with columns: BRBR, comp=N, 17.0m, 0.6s, 0.51 137 eP, Pg, Sg, 22 30 19.4 -0.2, etc.

IGQ 11 23:08:13.5-0.2, 2'S-2'79W, h10km, MLV4.2, Near coast of Ecuador

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

ISCJB 11 23:09:00.3-0.4, 4.78S-0.04, 147.80E-0.07, h10km, Error ellipse: s-maj=10.1km s-min=5.6km az=10.8

NEIC 11 23:09:02.4-1.3, 4.76S-147.84E, h14km, 3km, mb4.6/19, Error ellipse: s-maj=14.5km s-min=7.9km az=100.0

ISC 11 23:09:02.2-0.6, 4.76S-0.05, 147.8E-0.1, h10km, n34, o#92/35, Bismarck Sea

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

11d 23h, 11 23:09:54.7-2.0, 5.05S-148.06E, h0km, mb3.7/4, mb1.4/5, mb1mx3.8/29, mbtmp3.8/5, ML4.0/1, MS3.7/2, Ms1.3/7.2, ms1mx3.1/17, Error ellipse: s-maj=75.0km s-min=27.1km az=112.0

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

ISCJB 11 23:10:59.9-1.7, 5.04S-149.14E, h0km, mb4.0/7, mb1.4/8, mb1mx4.0/31, mbtmp4.1/8, ML2.2/1, MS3.6/6, Ms1.3/6.6, ms1mx3.4/17, Error ellipse: s-maj=54.4km s-min=20.0km az=108.0

ISCJB 11 23:11:02.3-0.4, 5.05S-0.05, 149.12E-0.06, h33km, mb4.8/19, Error ellipse: s-maj=9.5km s-min=5.8km az=26.3

NEIC 11 23:11:03.6-2.5, 5.07S-149.20E, h34km, 2km, mb4.7/19, Error ellipse: s-maj=13.7km s-min=11.4km az=129.0

ISC 11 23:11:04.0-0.5, 5.05S-0.06, 149.18E-0.07, h35km, n44, o#134/40, mb5.0/19, New Britain region

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

ISCJB 11 23:12:09.0-0.4, 4.78S-0.04, 147.80E-0.07, h10km, Error ellipse: s-maj=10.1km s-min=5.6km az=10.8

NEIC 11 23:09:02.4-1.3, 4.76S-147.84E, h14km, 3km, mb4.6/19, Error ellipse: s-maj=14.5km s-min=7.9km az=100.0

ISC 11 23:09:02.2-0.6, 4.76S-0.05, 147.8E-0.1, h10km, n34, o#92/35, Bismarck Sea

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

NNC 11 23:19:27.3-0.7, 43.71N-69.94E, h0km, mpv1.4, Error ellipse: s-maj=8.4km s-min=3.8km az=55.0

WR1	Warramunga Arr	33.63 196	eP	P	00 25 34.5	-0.2
WRA	Warramunga Arr	33.63 196	P	P	00 25 34.5	-0.2
AS31	Alice Springs	37.29 195	eP	PcP	00 28 26.8	+1.4
ASAR	Alice Springs	37.30 195	P	P	00 26 06.3	+0.2
ASAR	0.7nm,0.5s,baz=14,slo=12,SNR=9.8			PcP	00 28 26.8	+1.4
KULM	Kulim	43.31 264	eP	P	00 26 55.3	-0.9
CMAR	Chiang Mai Arr	43.66 284	P	P	00 26 59.1	+0.2
SONA0	Songino Array	47.07 326	eP	P	00 27 27.0	+1.3
SONM	Songino Array	47.07 326	P	P	00 27 27.0	+1.3
GSTR	Great Sitkin T	50.86 31	eP	P	00 27 53.7	-0.9
HON	Honolulu	55.98 73	eP	P	00 28 32.9	+0.3
KHLH	Kahului Airpor	57.46 73	eP	P	00 28 41.9	-1.2
HLP	Hilina Pali	58.58 75	eP	P	00 28 51.4	+0.2
PUH	Puauhi	58.66 75	eP	P	00 28 52.2	+0.5
STCH	Steam Cracks	58.75 75	eP	P	00 28 51.4	-0.9
MXZ	Matakaoa Point	59.37 149	eP	P	00 28 58.8	-0.3
BKZ	Black Stump Fm	59.73 151	eP	P	00 28 58.8	+0.1
THZ	Tophouse	60.27 155	eP	P	00 29 00.7	-1.6
MK32	Makanchi Array	61.61 317	eP	P	00 29 12.4	+1.0
MKAR	Makanchi Array	61.61 317	P	P	00 29 12.4	+1.0
CRLZ	Canterbury Las	61.68 157	eP	P	00 29 11.5	-0.3
MAKZ	Makanchi	61.82 317	eP	P	00 29 12.9	0.0
BPAW	Bear Paw Mtn.	68.01 25	eP	P	00 29 53.2	+0.4
GLI	Glacier Island	68.93 29	eP	P	00 29 59.4	+0.8
SCM	Sheep Creek Mo	69.03 28	eP	P	00 30 00.0	+0.8
ILAR	Eielson Array	69.90 25	P	P	00 30 04.4	-0.1
IBL	Eielson Array	69.90 25	eP	P	00 30 04.4	-0.1
RIDG	Independent Ri	70.55 27	eP	P	00 30 09.1	+0.6
MENT	Mentasta	70.90 27	eP	P	00 30 10.8	+0.1
WVOR	Wild Horse Val	87.05 47	eP	P	00 31 36.7	-3.0
BMO	Blue Mountains	87.38 45	eP	P	00 31 42.4	+1.2
KVN	Kaiserville	88.29 50	eP	P	00 31 46.0	+0.2
NV01	Mina Array Sit	88.29 51	eP	P	00 31 46.5	+0.7
NVAR	Mina Array Bea	88.29 51	P	P	00 31 46.5	+0.7
FLAO	FINESSE Array S	91.72 335	eP	P	00 31 59.5	-1.5
FINES	FINESSE Array B	91.72 335	P	P	00 31 59.5	-1.5
JLU	Jordanella	92.74 48	eP	P	00 32 05.8	-0.8
MPU	Maple Canyon	92.80 48	eP	P	00 32 06.6	-0.2
MSU	Marysvalley	92.88 50	eP	P	00 32 07.0	-0.3
Q16A	Castle Valley	93.49 49	eP	P	00 32 10.3	+0.3
P17A	Butcher Ranch,	93.63 48	eP	P	00 32 09.1	-1.5
LPAZ	La Paz	148.75 101	PKPbc	PKIKP	00 38 44.7	+0.5

MKAR	Makanchi Array	61.44 317	P	P	00 32 32.5	+0.8
KDJ	Kajias	64.29 311	eP	P	00 32 48.9	-2.2
ILAR	Eielson Array	69.90 25	P	P	00 33 27.9	+1.7
ILB	Eielson Array	69.94 25	eP	P	00 33 27.9	+1.7
LLBL	Lillooet	83.14 40	eP	P	00 34 41.5	+0.2
COR	Corvallis	83.37 46	eP	P	00 34 42.4	-0.1
MOD	Modoc Plateau	86.08 48	eP	P	00 34 57.0	+0.6
AFDM	Forest Hills D	86.25 51	eP	P	00 34 58.2	+1.0
NEW	Newport	86.70 41	eP	P	00 35 00.8	+1.6
BMO	Blue Mountains	87.47 45	eP	P	00 35 04.1	+1.0
YERR	Yerington	87.56 51	eP	P	00 35 04.3	+0.5
RYN	Ryan	88.19 51	eP	P	00 35 06.4	-0.3
KVN	Kaiserville	88.40 50	eP	P	00 35 08.4	+0.6
NV01	Mina Array Sit	88.40 51	eP	P	00 35 10.1	+2.3
NVAR	Mina Array Bea	88.40 51	P	P	00 35 10.1	+2.3
BMN	Battle Mountai	88.69 49	eP	P	00 35 08.9	-0.2
DAC	Darwin (Calif)	89.50 53	eP	P	00 35 12.0	-1.0
MWC	Mount Wilson	89.67 55	eP	P	00 35 11.6	-2.2
LRM	Limekiln Ridge	90.47 43	eP	P	00 35 12.5	-4.9
FLAO	FINESSE Array S	91.59 335	eP	P	00 35 22.1	+0.2
FINES	FINESSE Array B	91.59 335	P	P	00 35 22.1	+0.2
YHB	Horse Butte	91.66 43	eP	P	00 35 21.8	-1.1
LDFC	Landfair	91.78 54	eP	P	00 35 22.7	-0.9
PTCN	Pitcairn Islan	91.85 115	eP	P	00 35 20.3	-3.5
GCMT	Greyhiff	92.31 42	eP	P	00 35 25.8	0.0
REER	River de l'E	92.62 249	eP	P	00 35 26.5	-1.1
LPAZ	La Paz	148.94 101	PKPbc	PKIKP	00 42 06.6	+0.4

IDIC 12 00:28:34.1±1.8, 12°28'N:143°14'E, h0km, mb4.0/4,
 mb1 4.3/4, mb1mx3.6/50, mbtmp4.0/4, MS3.5/2, Ms1 3.6/2,
 ms1mx2.8/2/8, Error ellipse: s-maj=15.4, 3km s-min=25.6km
 az=113.0
 ISCJJB 12 00:28:35.6±0.4, 12°26'N:0°06:144°00'E:0.08, h27km,
 MS3.4/1, Error ellipse: s-maj=12.0km s-min=7.7km
 az=24.5
 NEIC 12 00:28:38.8±2.4, 12°27'N:143°96'E, h38km±6km, mb4.7/2/9,
 Error ellipse: s-maj=16.2km s-min=1.9km az=145.0
 ISC 12 00:28:37.8±0.6, 12°26'N:0°09:144°00'E:0.1, h27km, n66,
 ±136/41, South of Mariana Islands

GUMU	Guam	1.27 42	ePn	Pb	00 29 01.9	+0.7
ANAZ	Anatshan	4.04 24	ePn	Pn	00 29 36.5	-1.5
SARN	Sarigan	4.39 23	ePn	Pn	00 29 44.7	+1.9
PATS	Pohnpei	15.24 111	ePn	Pn	00 32 11.8	+0.5
RABL	Rabaul	18.59 154	ePn	Pn	00 32 52.4	-0.7
DAV	Daovo City (W)	18.96 255	LR	LR	00 38 26.3	
DAV	Daovo City (W)	18.96 255	LR	LR	00 32 55.0	-2.2
H1S3	WAKE ISLAND Hy	22.61 72	T	T	00 57 34.6	
H1S1	WAKE ISLAND Hy	22.63 72	T	T	00 57 25.2	
H1S2	WAKE ISLAND Hy	22.63 72	T	T	00 57 25.8	
H1N1	WAKE ISLAND Hy	23.07 69	T	T	00 57 57.6	
H1N2	WAKE ISLAND Hy	23.08 69	T	T	00 58 04.6	
H1N3	WAKE ISLAND Hy	23.09 69	T	T	00 57 56.4	
W123	Warramunga Arr	33.74 196	eP	P	00 35 16.8	-0.5
WR1	Warramunga Arr	33.74 196	eP	P	00 35 16.7	-0.6
WRA	Warramunga Arr	33.74 196	P	P	00 35 16.7	-0.6
JAGI	Jajag, Banyuwa	36.23 236	eP	P	00 35 41.6	+2.0
AS31	Alice Springs	37.41 195	eP	PcP	00 38 09.2	+1.8
ASAR	Alice Springs	37.41 195	P	P	00 35 48.5	-0.3
ASAR	0.5nm,0.5s,baz=16,slo=9.8,SNR=6.9			PcP	00 38 09.2	+1.8
CMAR	Chiang Mai Arr	43.70 284	LR	LR	00 53 38.9	
JOHN	Johnston Island	45.07 79	eP	P	00 36 49.6	-2.3
LHI	Lord Howe Isla	46.23 162	eP	P	00 37 01.7	+1.0
KIP	Kipapa	55.88 73	eP	P	00 38 13.3	-0.3
OPA	Opana	55.88 72	eP	P	00 38 13.7	+0.1
HON	Honolulu	55.98 73	eP	P	00 38 12.6	-1.0
KHLH	Kahului Airpor	57.37 73	eP	P	00 38 24.4	+0.2
HLP	Hilina Pali	58.49 75	eP	P	00 38 30.3	-1.9
RIM	Rim	58.52 75	eP	P	00 38 31.6	-0.9
XMAS	Kiritimati	58.91 95	eP	P	00 38 34.9	-0.2
SEW	Seward	67.50 30	eP	P	00 39 31.6	+0.4
KTH	Kantishna Hill	67.56 26	eP	P	00 39 33.3	+0.3
BWN	Browne	68.75 26	eP	P	00 39 38.5	+0.7
GLI	Glacier Island	68.81 29	eP	P	00 39 39.3	-0.2
COLD	Coldfoot	69.15 22	eP	P	00 39 40.6	-0.9
BESE	Bessie Mountai	74.70 32	eP	P	00 40 14.4	-0.7
INK	Inuvik	75.56 22	eP	P	00 40 19.8	+0.1
DLBC	Dease Lake	77.24 33	eP	P	00 40 29.7	+0.2
YKA	Yellowknife Ar	84.09 27	P	P	00 41 07.8	+1.8
YKB5	Yellowknife Ar	84.09 27	eP	P	00 41 07.8	+1.8
NV01	Mina Array Sit	88.18 51	eP	P	00 41 29.9	+2.5
NVAR	Mina Array Bea	88.18 51	P	P	00 41 29.9	+2.5
ELK	Elko	89.84 48	eP	P	00 41 35.0	+0.2
YHB	Horse Butte	91.45 44	eP	P	00 41 40.3	-1.9
PSUT	Pine Spring	91.51 50	eP	P	00 41 41.5	-1.1
DUG	Dugway, Tooele	91.77 48	eP	P	00 41 42.0	-1.7
MAG	Mawson	98.22 202	Pdf	Pdf	00 42 12.7	+0.5
MNMC	Minye Minye	147.10 106	ePKPdf	PKPdf	00 48 16.6	-0.9
LPAZ	La Paz	148.70 101	PKPbc	PKIKP	00 48 26.6	+0.7

ATH 12 00:35:54.0, 38°24'N:20°06'E, h20km±3km, ML1.7/1, Error
 ellipse: s-maj=5.6km s-min=1.2km az=240.0, Greece

VLS	comp=N,674um,0.1s	AML	AML	00 36 00.2		
VLS	comp=E,914um,0.1s	AML	AML	00 36 00.2		
KFL	Anninata	0.20 131	P	Pg	00 35 59.1	0.0
KFL	Fiskardo	0.22 353	P	Pg	00 36 02.6	0.0
FSK	Fiskardo	0.22 353	S	Sg	00 35 59.3	-0.1
FSK	Fiskardo	0.22 353	S	Sg	00 36 03.4	+0.3
EVGI	Lefkada island	0.38 7	P	Pg	00 36 01.9	-0.2
LKDZ	Lefkada island	0.55 5	P	Pg	00 36 05.0	0.0
TSLK	Tsoukalades, L	0.59 5	P	Pb	00 36 02.4	0.0
PVO	Paravola	0.82 62	P	Pb	00 36 09.7	+0.1

GEN 12 00:36:25.7, 44°24'N:10°13'E, h6km±2km, MID.9, Northern Italy

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
EQUI	Equi	0.08 168	Op	Pg	00 36 27.9	+0.4
EQUI	Equi	0.08 168	S	Pg	00 36 29.5	+0.6

SOF 12 00:36:56.4, 40°42'N:25°97'E, h1km, MD3.9
 IDC 12 00:36:56.1±0.9, 40°36'N:25°94'E, h0km, mb3.3/6,
 mb1 3.5/12, mb1mx3.4/51, mbtmp3.4/12, ML3.7/7, MS2.8/10,
 Ms1 2.8/10, ms1mx2.6/29, Error ellipse: s-maj=16.6km
 s-min=12.0km az=64.0

DDA 12 00:36:57.1, 40°37'N:25°95'E, h28km, ML4.3
 ATH 12 00:36:57.0, 40°36'N:25°93'E, h30km, ML3.9/27, Error
 ellipse: s-maj=1.2km s-min=0.6km az=58.0
 PDG 12 00:36:57.8±0.6, 40°37'N:25°93'E, h22km, ML3.8/8, Error
 ellipse: s-maj=0.5km s-min=0.6km az=0.0
 ISK 12 00:36:57.5, 40°39'N:25°97'E, h16km, ML4.3/35
 ISCJJB 12 00:36:58.0±0.2, 40°37'N:0°09:25°92'E:0.01,
 h25km±2km, mb3.2/6, MS2.7/6, Error ellipse: s-maj=1.6km
 s-min=1.5km az=158.7

NEIC 12 00:36:58.4±0.0, 40°37'N:25°93'E, h11km, ML4.0(THE),
 ML4.3(ISC), After THE
 THE 12 00:36:57.4, 40°37'N:25°93'E, h11km, ML4.0/17, Error
 ellipse: s-maj=0.8km s-min=0.4km az=40.0
 BEO 12 00:37:00.4±0.7, 40°38'N:25°60'E, h3km±3km, ML3.8/6
 ISC 12 00:36:58.1±0.8, 40°38'N:0°11:25°92'E:0.01, h18km, 3km,
 n95, ±131/466, mb3.4/6, MS2.8/6, 49C-47D, Aegean Sea

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
GOKC	Gokceada-Canak	0.18 188	Op	ISC	00 37 02.7	+0.2
GOKC	Gokceada-Canak	0.18 188	PG	ISC	00 37 05.9	+0.5
SMTH	Samothraki Isl	0.33 286	eP	Pg	00 37 05.0	-0.2
SMTH	Samothraki Isl	0.33 286	P	Pg	00 37 09.0	-0.2
SMTH	Samothraki Isl	0.33 286	S	Pg	00 37 09.2	-0.1
SMTH	Samothraki Isl	0.33 2				

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Balya, Edincik, Dikili, Ouranopolis, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KLYT, EREA, ELND, SMIA, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like OSSC, MURB, ATTE, ARVD, ATCC, MTCR, FROS, FDMO, POPM, ABTA, FETA, SOTA.

ROM 12 03:01:06.2±0.1, 43°33'N:0°05':12.052E±0'00.6, h8km, ML1.62, Error ellipse: s-maj=0.7km s-min=0.3km az=217.0, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like SFI, ASQU, PARC, CODM, GRAM, SPS, PE3, BADI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like BADI, RUF, ATPI, PIEI, BRIS, CAFI, AVT, ATMI, SEI, MPAG, FRON, ATTE.

IDC 12 03:34:06.8±1.3, 44°21'N:10°07'E, h0km, mb3.5/3, mb1 3.6/8, mb1mx3.5/42, mbtpm3.5/8, ML3.6/5, MS2.6/3, Ms1 2.6/3, ms1mx2.2/35, Error ellipse: s-maj=34.0km s-min=14.7km az=115.0

ISCJB 12 03:34:07.0±0.2, 44°20'N:0°01':10.09E±0'01.1, h17km±1km, mb3.6/3, Error ellipse: s-maj=2.3km s-min=1.5km az=4.8 STR 12 03:34:06.8±1.1, 44°N:5°1'0E±, h0km, MLV3.5/6 ROM 12 03:34:06.9±0.1, 44°20'N:0°06':10°10'E±0'00.7, h10km, ML3.5/88, Error ellipse: s-maj=0.7km s-min=0.5km az=198.0

GEN 12 03:34:07.4, 44°22'N:10°12'E, h7km±1km, ML3.4 LDG 12 03:34:08.3±0.1, 44°14'N:10°14'E, h2km, ML3.7/29 PRU 12 03:34:08.8±0.0, 44°21'N:10°35'E, h0km BEO 12 03:34:09.3±0.7, 44°38'N:10°16'E, h1km±2km, ML3.6/12 ISC 12 03:34:07.3±0.7, 44°20'N:0°02':10°10'E±0'02.1, h10km±4km, n254, s153/298, mb3.6/3, 12C-4D, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like FIVI, EQUI, T0912, FOSD, VLLC, VVC, PLMA, CODM, GRAM, SPS, PE3, BADI.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like GRAM, ERBM, CARD, BDI, MAIM, NEVI, MSA, POPM, PRMA.

SOKA	Soboth	comp=N,31nm,0.3s,SNR=1.0	4.27 53	i	Pn	Pn	03 35 13.1	+0.7
SOKA	Banja Luka	comp=N,4.6nm,0.4s,SNR=9.3		/	Sn	Sn	03 36 03.9	+1.6
LASF	Ste Croix	4.49 271	ePn		Sn	Sn	03 35 15.4	0.0
LASF	Puntijarka	4.50 66	ePn		Sn	Sn	03 35 16.9	+1.4
HAU	Haudompre	4.62 37	ePn		Pn	Pn	03 35 18.2	+1.1
HAU	Champ du Feu	4.65 336	ePn		Sn	Sn	03 35 17.9	+0.3
MOA	Molin	4.67 37	i	Pn	Sn	Sn	03 35 19.2	+1.4
MOA	Arzberg	4.87 49	ePn		Sn	Sn	03 35 21.3	+0.6
ARSA	Arzberg	4.87 49	i	Pn	Sn	Sn	03 35 21.5	+0.9
ARSA	Mrkonic Grad	5.02 85	ePn		Pn	Pn	03 35 25.2	+2.5
MGRS	Signal de Mont	5.04 301	ePn		Pn	Pn	03 35 23.9	+1.0
SMF	Makarska	5.10 98	ePn		Pn	Pn	03 35 26.0	+2.3
MAKA	Banja Luka	5.10 81	ePn		Sn	Sn	03 36 21.1	-1.4
MAKA	Banja Luka	5.10 81	i	Pn	Sn	Sn	03 35 25.5	+1.7
BLV	Banja Luka	5.10 81	S		Sn	Sn	03 36 22.0	-0.8
BLV	Banja Luka	5.10 81	ePn		Sn	Sn	03 35 24.8	+1.0
BLV	Banja Luka	5.10 81	ePn		Sn	Sn	03 35 25.9	+0.3
GERES	GERESS Array B	5.27 27	ePn		Sn	Sn	03 36 26.5	-0.5
GERES	Fort de Pagny	5.30 327	ePn		LR	LR	03 37 10.9	
GERES	Sextfontaines	5.33 321	ePn		Sn	Sn	03 35 27.8	+1.3
PAGF	Lormes	5.34 307	ePn		Sn	Sn	03 35 28.3	+1.4
PAGF	Saint Saulge	5.44 304	ePn		Sn	Sn	03 36 27.3	-1.3
LOR	Avril sur Loir	5.40 301	ePn		Sn	Sn	03 35 28.9	+1.0
AVF	Saint Saulge	5.44 304	ePn		Sn	Sn	03 36 28.7	-1.4
SSF	Conrad	5.48 45	i	Pn	Sn	Sn	03 35 30.3	+1.3
CONA	Kasperske Hory	5.49 25	ePn		Sn	Sn	03 35 29.1	0.0
KHC	Maizeres J'vi	5.54 323	ePn		Sn	Sn	03 36 30.4	-1.8
KHC	Bois d'Agland	5.63 297	ePn		Sn	Sn	03 35 31.8	+0.8
MEZF	Bois d'Agland	5.63 297	ePn		Sn	Sn	03 36 33.9	-1.7
BGF	Ston	5.68 101	ePn		Sn	Sn	03 35 33.9	+2.2
STON	Ston	5.68 101	ePn		Sn	Sn	03 35 32.6	+0.9
STON	Ston	5.68 101	ePn		Sn	Sn	03 35 32.5	+0.8
SOP	Sopron	5.70 501	ePn		Sn	Sn	03 35 34.0	+2.1
SOP	Montolieu	5.77 264	ePn		Sn	Sn	03 36 37.1	-0.3
MTLF	Calviac	5.79 280	ePn		Sn	Sn	03 36 35.5	-3.7
CAF	Calviac	5.79 280	ePn		Sn	Sn	03 35 34.0	+0.8
CAF	Toulx Ste Croi	5.95 293	ePn		Sn	Sn	03 36 37.3	-2.3
TCF	Humblyng	6.05 303	eP		Pn	Pn	03 35 41.7	+4.8
HYF	Dubrovnik	6.06 102	ePn		Pn	Pn	03 35 38.3	+1.4
DBRK	Trebinje	6.19 101	ePn		Pn	Pn	03 35 40.7	+2.0
TREB	Trebinje	6.19 101	ePn		Pn	Pn	03 36 50.0	+0.6
TREB	Les Rejeudoux	6.21 283	ePn		Pn	Pn	03 35 39.0	+0.3
TREB	Bratogost	6.27 99	ePn		Pn	Pn	03 35 44.1	+5.1
BRY	Bratislava	6.29 48	ePn		Pn	Pn	03 35 41.1	+2.2
ZST	Trest	6.30 34	ePn		Pn	Pn	03 35 41.9	+1.8
TREC	Mrcy, Hungar	6.37 69	ePn		Pn	Pn	03 35 40.3	+0.1
TREC	Herczeg Novi	6.37 103	ePn		Pn	Pn	03 36 49.8	-2.5
MORH	Han Pijesak, BI	6.37 88	ePn		Pn	Pn	03 35 42.0	+0.9
HCY	Unac-Piva	6.46 96	ePn		Pn	Pn	03 35 42.2	+1.8
UPM	Modra-Piesok	6.50 47	ePn		Pn	Pn	03 35 40.8	-0.5
MODS	Modra-Piesok	6.50 47	ePn		Pn	Pn	03 35 44.0	+1.4
MODS	Moravsky	6.52 39	ePn		Pn	Pn	03 35 42.8	-0.1
KRUC	Casko	6.53 58	ePn		Pn	Pn	03 36 54.9	-2.1
KRUC	Pruhonice	6.54 26	ePn		Pn	Pn	03 36 56.2	-1.3
CSKK	PRU	6.56 26	ePn		Pn	Pn	03 36 56.0	-1.8
PRU	GOPC	6.55 28	ePn		Pn	Pn	03 35 43.8	+0.3
GOPC	BBLs	6.55 28	ePn		Pn	Pn	03 36 55.9	-2.2
BBLs	Lazići	6.72 90	ePn		Pn	Pn	03 35 44.0	+0.7
BBLs	Lazići	6.72 90	ePn		Pn	Pn	03 35 47.9	+1.9
BBLs	Rudo	6.72 92	ePn		Pn	Pn	03 37 01.4	-1.2
VRAC	Vranov	6.79 39	ePn		Pn	Pn	03 37 01.4	-1.2
VRAC	Podgorica	6.91 102	ePn		Pn	Pn	03 35 47.6	+1.6
PDG	Podgorica	6.91 102	i	Pn	Pn	Pn	03 35 47.6	+1.6
PDG	Podgorica	6.91 102	i	Pn	Pn	Pn	03 35 47.6	+1.6
PDG	Podgorica	6.91 102	i	Pn	Pn	Pn	03 35 51.2	+2.6
DRME	Dracevica, Mon	6.94 104	ePn		Pn	Pn	03 35 51.4	+2.8
MEM	Membrach	6.99 338	i	Pn	Pn	Pn	03 37 05.8	-1.4
MEM	Dourbes	6.99 330	i	Pn	Pn	Pn	03 35 50.2	+1.6
DOU	Velka Javorina	7.00 46	ePn		Pn	Pn	03 35 49.4	+0.4
PVCC	Panska Ves	7.02 24	ePn		Pn	Pn	03 35 51.6	+1.9
DIVS	Divibare	7.12 87	ePn		Pn	Pn	03 37 09.2	+0.1
DIVS	Divibare	7.12 87	ePn		Pn	Pn	03 35 54.8	+5.1
DIVS	Divibare	7.12 87	ePn		Pn	Pn	03 37 08.9	-0.3
BRG	Briggesshubel	7.17 20	Pn		Pn	Pn	03 35 52.0	+2.1
BRG	Briggesshubel	7.17 20	Pn		Pn	Pn	03 35 52.0	+2.1
BRG	Briggesshubel	7.17 20	Pn		Pn	Pn	03 35 51.2	+1.1
EPF	Velka Javorina	7.22 264	eP		Pn	Pn	03 35 53.1	+1.6
SJES	Sjenica	7.28 94	ePn		Pn	Pn	03 37 11.6	-0.9
SJES	Ivanjica	7.29 91	ePn		Pn	Pn	03 35 52.1	+0.6
IVAS	Ivanjica	7.29 91	ePn		Pn	Pn	03 35 53.0	+0.9
IVAS	Collm	7.38 14	ePn		Pn	Pn	03 37 12.6	-0.9
CLL	Collm	7.38 14	ePn		Pn	Pn	03 37 57.4	+0.3
CLL	Collm	7.38 14	ePn		Pn	Pn	03 35 57.4	+5.1
CLL	Collm	7.38 14	ePn		Pn	Pn	03 35 54.2	+1.3
TRUS	Trudelj	7.41 86	ePn		Pn	Pn	03 37 14.5	-0.5
TRUS	Vyhne	7.42 52	ePn		Pn	Pn	03 35 53.3	+1.4
VYHS	Dobruska-Polom	7.47 32	ePn		Pn	Pn	03 35 53.1	+1.6
DPC	Ostas	7.59 31	ePn		Pn	Pn	03 37 11.6	-0.9
OSTC	Saint Martin d	7.60 292	ePn		Pn	Pn	03 35 52.1	+0.6
MFF	Trudelj	7.41 86	ePn		Pn	Pn	03 35 53.0	+0.9
TRUS	Vyhne	7.42 52	ePn		Pn	Pn	03 37 17.4	-2.1
VYHS	Dobruska-Polom	7.47 32	ePn		Pn	Pn	03 35 55.8	+0.3
DPC	Ostas	7.59 31	ePn		Pn	Pn	03 37 17.2	-2.5
OSTC	Saint Martin d	7.60 292	ePn		Pn	Pn	03 35 53.0	+0.9
MFF	Trudelj	7.41 86	ePn		Pn	Pn	03 37 12.6	-0.9
TRUS	Vyhne	7.42 52	ePn		Pn	Pn	03 37 57.4	+0.3

GRUS	Gruza	7.66 89	ePn		Pn	Pn	03 36 00.7	+1.8
TIR	Tirane	7.73 108	ePn		Pn	Pn	03 36 01.7	+1.9
TIR	Tirane	7.73 108	i	Pn	Pn	Pn	03 36 01.7	+1.9
PSZ	Piszkesteto	7.76 58	i	Pn	Pn	Pn	03 36 02.9	+2.5
PSZ	Piszkesteto	7.76 58	ePn		Pn	Pn	03 36 02.1	+1.7
ETSF	Etsaut	8.05 264	ePn		Pn	Pn	03 37 24.0	-4.3
SELS	Selova	8.05 93	ePn		Pn	Pn	03 36 08.8	+5.2
BZBS	Buzias	8.30 76	i	Pn	Pn	Pn	03 36 04.8	+0.6
KUBS	Kucevo	8.31 84	ePn		Pn	Pn	03 36 05.9	+1.8
KEST	Kesra	8.47 184	LR		LR	LR	03 36 09.1	+1.3
BARS	Barje	8.63 95	ePn		Pn	Pn	03 39 36.6	
GRR	Gorron	8.66 303	ePn		Pn	Pn	03 36 14.2	+2.0
HERR	Herculane	8.83 81	i	Pn	Pn	Pn	03 36 13.2	+0.6
ZAPS	Zavoj	9.12 91	ePn		Pn	Pn	03 36 16.3	+1.4
ROIF	Rostrenen	10.14 299	ePn		Pn	Pn	03 36 19.6	+0.6
VOIS	Soneasca Array	11.40 251	Pn		Pn	Pn	03 36 21.9	+1.4
ESDC	Seoneasca Array	11.40 251	Pn		Pn	Pn	03 36 33.2	+0.4
EKA	Eskdalemuir Ar	14.03 327	Pn		Pn	Pn	03 36 32.4	+0.6
MDT	Midelt	16.15 230	LR		LR	LR	03 36 50.7	+0.5
FINES	FINESS Array B	19.69 23	P		P	P	03 37 25.0	-0.9
TORD	Tordoi Ar. Bea	31.77 196	P		P	P	03 42 51.4	
MKANR	Makanchi Array	49.01 60	P		P	P	03 38 38.0	+0.2
SONM	Songino Array	62.60 49	P		P	P	03 40 32.1	+0.3
SONM	Songino Array	62.60 49	P		P	P	03 42 55.4	+1.3

GUC 12 03:35:54.2, 0.8, 34°37'S, 71°54'W, h43km, 4km, ML3.6, 4C,
Near coast of central Chile

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
GO05	Huala	0.32 263	eS	Pn	Sn	03 36 02.5	-0.5
GO05	Huala	0.32 263	eS	Pn	Sn	03 36 08.9	-0.3
COCH	Cochobqueura	1.54 221	i	Pn	Pn	03 36 09.2	
COCH	Las Melosas	1.57 45	eS	Pn	Sn	03 36 19.9	+0.7
LMEL	Las Melosas	1.57 45	eS	Pn	Sn	03 36 40.8	+2.8
LMEL	Las Melosas	1.57 45	eS	Pn	Sn	03 36 21.6	+1.8
ANTU	Antumapu	1.59 28	eS	Sn	Sn	03 36 41.6	+2.6
ANTU	Antumapu	1.59 28	eS	Sn	Sn	03 36 48.1	
RCDM	Rinconada Maip	1.60 23	eP	Sn	Sn	03 36 41.8	+2.6
RCDM	Rinconada Maip	1.60 23	eP	Sn	Sn	03 36 45.0	
STL	Santa Lucia	1.70 26	IAML	Sn	Sn	03 36 21.3	+1.3
CLCH	Cerro Calan	1.78 28	i	Pn	Pn	03 36 41.7	+2.3
CLCH	Cerro Calan	1.78 28	i	Pn	Pn	03 36 23.5	+1.0
FCH	Farellones	1.94 33	i	Pn	Sn	03 36 46.3	+2.4
FCH	Farellones	1.94 33	i	Pn	Sn	03 36 26.2	+1.2
FCH	Farellones	1.94 33	i	Pn	Sn	03 36 51.7	+3.5
PEL	Peldehue	1.95 21	i	Pn	Pn	03 36 54.6	
PEL	Peldehue	1.95 21	i	Pn	Pn	03 36 26.1	+1.1
PEL	Peldehue	1.95 21	i	Pn	Pn	03 36 51.2	+3.0
PEL	Peldehue	1.95 21	i	Pn	Pn	03 36 56.1	

ISCJB 12 03:40:10.8, 1.2, 5°7'S, 0°2'152°0'E, 0.2, h45km, mb4.0/5,
Error ellipse: s-maj=39.3km s-min=12.3km az=41.8
IDC 12 03:40:13.9, 6.3, 5°72'S, 151°91'E, h58km, 53km, mb3.8/5,
mb1 4.1/6, mb1mx3.6/29, mbtmp4.1/6, ML2.2/1, MS3.1/1,
Ms1 3.1/1, ms1mx2.5/27, Error ellipse: s-maj=57.1km
s-min=27.7km az=109.0

ISC 12 03:40:12.3, 1.4, 5°7'S, 0°2'152°0'E, 0.3, h45km, n8, c1906/8,
mb4.0/5, New Britain region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
PMG	Port Moresby	6.07 232	P	Pn	Pn	03 41 40.8	+1.2
PMG	Port Moresby	6.07 232	P	Pn	Pn	03 42 47.4	-0.5
JAY	Jayapura	11.73 285	LR	LR	LR	03 47 20.6	
WRA	Warramunga Arr	22.28 229	P	P	P	03 45 04.4	-1.5
ASAR	Alice Springs	24.97 223	P	P	P	03 45 30.9	-1.1
STKA	Stephens Creek	27.82 199	P	P	P	03 45 58.1	+0.7
SONM	Songino Array	66.68 328	P	P	P	03 50 59.0	+0.3
ILAR	Eielson Array	83.27 22	P	P	P	03 52 33.7	-0.2
TORD	Tordoi Ar. Bea	149.84 286	PKPbc	PKPbc	PKPbc	03 59 58.4	-0.2

MEX 12 03:47:04.8, 0.8, 14°44'N, 92°82'W, h15km, 35km, MD3.7,
Near coast of Chiapas

Code	Station Name	Δ° AZ°	Phase
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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SARIN Sarigan, ANAZ Anatahan, GUMO Guam, etc.

DDA 12 06:14:45.9,41.38N,33.69E, h7km,2km,ML2.9
ISB 12 06:14:45.2,41.37N,33.69E, h10km,ML2.3/8
ISCJB 12 06:14:46.1,0.5,41.38N,0.03,33.70E,0.0,4, h2km,7km,
Error ellipse: s-maj=5.4km s-min=4.4km az=166.3
ISC 12 06:14:46.2,1.0,41.37N,0.03,33.70E,0.03, h10km,9km,
n15,e1512/25,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KAST KASTAMONU, ILGA Ilgaz, TOS Tosya, etc.

IDC 12 06:30:19.4,5.1,47.49N,152.18E, h52km,48km, mb3.6/5,
mb1 3.9/6, mb1mx3.4/4.1, mbtmp3.9/6, ML2.5/1, MS3.0/1,
ms1 3.0/1, ms1mx2.3/5.0, Error ellipse: s-maj=36.5km
s-min=22.0km az=140.0, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, KLR Kul'dur, H112 WAKE ISLAND, etc.

KRNET 12 06:50:57.6,0.1,40.159N,72.98E, h23km, mb2.5
SOME 12 06:50:58.2,40.68N,73.10E, h5km
NNC 12 06:51:00.7,3.7,40.71N,73.03E, h0km, mb3.1, mpv2.7,
Error ellipse: s-maj=29.0km s-min=14.3km az=168.0
ISC 12 06:50:57.0,1.8,40.62N,0.07,73.13E,0.03, h11km,13km,
n21,e1925/37,20C-8D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARSB Arslanbob, ARSBS Arslanbob, ARLS Aral, etc.

IDC 12 06:54:34.1,0.8,12.55N,143.75E, h0km, mb4.1/6,
mb1 4.4/6, mb1mx3.8/5.4, mbtmp4.1/6, MS3.6/1.1,
ms1 3.7/1.1, ms1mx3.3/3.7, Error ellipse: s-maj=37.2km
s-min=19.1km az=116.0
ISCJB 12 06:54:36.4,0.5,12.52N,0.07,143.7E,0.1, h27km,
mb4.5/15, MS3.6/8, Error ellipse: s-maj=16.4km
s-min=6.6km az=28.6
NEIC 12 06:54:39.0,1.4,12.56N,143.73E, h35km, mb4.7/9, Error
ellipse: s-maj=20.8km s-min=5.5km az=288.0
ISC 12 06:54:37.9,0.6,12.56N,0.09,143.8E,0.1, h27km, n41,
e124/23, mb4.7/15, MS3.6/8, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, GUM0 GUM0, GUM0 GUM0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, BBOO Buclebo, SONM Songino Array, etc.

ISC 12 07:57:53.3,1.2,49.15N,0.06,18.87E,0.04, h10km,13km,
n7,e0940/13, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LANS Liptovska Anna, LANS LANS, KOLL Kolacno, etc.

IDC 12 07:01:26.4,1.1,26.34N,90.95E, h0km, mb3.7/6,
mb1 3.8/6, mb1mx3.5/4.9, mbtmp3.7/6, MS4.5/1, Ms1 4.5/1,
ms1mx2.7/4.5, Error ellipse: s-maj=41.9km s-min=21.0km
az=63.0
NDI 12 07:01:29.8,2.3,26.34N,90.77E, h11km,6km, ML3.7
ISCJB 12 07:01:31.5,0.4,26.28N,0.03,90.77E,0.03, h61km,5km,
mb4.1/12, Error ellipse: s-maj=5.6km s-min=4.7km az=3.3
NEIC 12 07:01:32.2,1.3,26.27N,90.70E, h48km,13km, mb4.1/8,
Error ellipse: s-maj=25.5km s-min=15.2km az=201.0
ISC 12 07:01:32.1,1.1,26.31N,0.04,90.77E,0.03, h45km,12km,
n31,e1951/41, mb3.8/12, Northeastern India

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

ISK 12 07:17:42.1,6.38,40N,38.13E, h14km, ML1.7/3
DDA 12 07:17:42.4,38.28N,38.18E, h7km,3km, ML2.6
ISC 12 07:17:42.1,1.4,38.27N,0.06,38.11E,0.04, h4km,12km,
n8,e096/14, Turkey

ENH	Enshi	69.89 309	eP	P	08 52 37.1 -0.4
NONG	Nongkai	70.04 295	P	P	08 52 39.6 +1.1
BJT	Baijiatuu	70.52 321	eP	P	08 52 41.7 +0.7
BJT	Baijiatuu	70.52 321	eP	Pmax	08 52 41.7 +0.7
BJT	Beijing	70.53 321	P	P	08 52 41.7 +0.7
XAN	Xian	72.14 312	P	Pmax	08 52 51.4 +0.5
KMI	Kunming	73.04 301	P	P	08 52 57.8 +1.2
MA2	Magadan	73.17 351j	eP	Pmax	08 52 56.3 -0.1
HHC	Hu-ho-hao-te	73.87 319	eP	P	08 53 04.1 +3.1
HHC			Pmax	Pmax	
HHC			LR	LR	
HHC			LR	LR	
HHC			LR	LR	
CMAR	Chiang Mai Arr	73.92 294	P	P	08 53 02.6 +1.0
CMAR	Chiang Mai Arr	73.92 294	eP	P	08 53 02.6 +1.0
CMAR	Chiang Mai Arr	73.92 294	eP	Pmax	08 53 02.6 +1.0
CHTO	Chiang Mai	74.03 294	eP	P	08 53 02.7 +0.5
CHTO	Chiang Mai	74.03 294	eP	Pmax	08 53 02.7 +0.5
ZEA	Zeya	74.31 337	eP	P	08 53 04.2 +1.1
HIA	Hailar	74.39 330	eP	P	08 53 03.9 +0.2
HIA	Hailar	74.39 330	eP	Pmax	08 53 03.9 +0.2
CHGN	Chignik	74.49 19	eP	P	08 53 02.4 -1.6
CD2	Chengdu	74.58 307j	iP	P	08 53 06.1 +0.9
SII	Sitkinak Island	76.11 21	eP	P	08 53 13.3 0.0
SEY	Seymchan	76.21 353c	iP	P	08 53 14.1 +0.4
LZH	Lanzhou	76.77 312	iP	P	08 53 18.5 +0.8
LZH			pp	pp	08 54 14.7 +2.5
LZH			sp	sp	08 54 36.5 +3.7
LZH			pp	pp	08 56 15.6 +1.8
LZH			Pmax	Pmax	
LZH			Pmax	Pmax	
OHAK	Old Harbor	76.94 21	eP	P	08 53 17.9 +0.1
QSPA	South Pole Qui	77.36 180	eP	P	08 53 20.0 -0.4
KDAK	Kodiak Island	77.61 21	eP	P	08 53 21.7 +0.1
KDAK	Kodiak Island	77.61 21	eP	Pmax	08 53 21.7 +0.1
YAK	Yakutsk	79.99 343	eP	P	08 53 33.4 -1.0
YAK			Pmax	Pmax	
YAK			Pmax	Pmax	
YAK			Pmax	Pmax	
BILL	Bilibino	80.48 360de	P	P	08 53 37.2 +0.3
BILL			pp	pp	08 54 33.1 +3.5
BILL			i	i	08 56 44.2
BILL			Pmax	Pmax	
SONM	Songino Array	80.71 323	P	P	08 53 39.0 +0.2
SONM			P	P	09 12 16.1 -3.1
GTA	Gaotai	81.08 314	iP	P	08 53 42.0 +1.0
PMR	Palmer	81.63 20	eP	P	08 53 42.4 -0.7
PMR	Palmer	81.63 20	eP	Pmax	08 53 42.4 -0.7
GSI	Glacier Island	81.80 21	eP	P	08 53 43.9 -0.1
SML	Sawmill	82.05 20	eP	P	08 53 45.4 0.0
SML	Sawmill	82.05 20	eP	Pmax	08 53 45.4 0.0
KTH	Kantishna Hill	82.53 18	eP	P	08 53 46.5 -1.4
RND	Reindeer	83.05 18	eP	P	08 53 49.9 -0.6
RND	Reindeer	83.05 18	eP	Pmax	08 53 49.9 -0.6
MCK	McKinley	83.26 18	eP	P	08 53 51.0 -0.6
MCK	McKinley	83.26 18	eP	Pmax	08 53 51.0 -0.6
RDOG	Red Dog Mine	83.35 11	eP	P	08 53 52.6 +0.7
O02D	Mt. Diablo Mer	83.46 47	P	P	08 53 53.9 +0.7
LA2E	Cave Junction	83.67 44	P	P	08 53 55.0 +0.9
MOW	Mawson	83.72 202	P	P	08 53 54.4 +0.5
MAW	Mawson	83.72 202	eP	P	08 53 54.0 +0.1
MAW	Mawson	83.72 202	eP	Pmax	08 53 54.0 +0.1
ZAK	Zakamensk	83.74 325	eP	P	08 53 53.9 -0.5
ZAK			Pmax	Pmax	
PKM	Mcperson Peak	83.76 52	P	P	08 53 55.5 +0.5
SMMC	Simmer	83.76 52	P	P	08 53 55.4 +0.6
WDC	Whiskeytown Da	83.79 46	eP	P	08 53 55.4 +0.7
PAX	Paxson	83.82 20	eP	P	08 53 54.1 -0.4
PAX	Paxson	83.82 20	eP	Pmax	08 53 54.1 -0.4
N02D	Trinity Center	83.83 46	P	P	08 53 56.1 +1.0
K02D	Williamette Mer	83.83 44	P	P	08 53 55.3 +0.3
J01E	Myrtle Point	83.84 43	P	P	08 53 55.1 +0.2
M02C	Callahan	83.88 45	P	P	08 53 56.3 +1.0
IRK	Irkutsk	84.09 327	eP	Pmax	08 53 55.8 -0.2
SC12	San Clemente I	84.11 54	P	P	08 53 56.9 +0.3
YBH	Yreka Blue Hor	84.11 45	eP	P	08 53 57.7 +1.3
TLY	Talaya	84.16 326	P	P	08 53 56.9 +0.6
TLY	Talaya	84.16 326	eP	P	08 53 56.6 +0.2

TLY	Talaya	84.16 326c	iP	P	08 53 56.5 +0.2
O03E	Paynes Creek	84.21 47	P	P	08 53 56.8 -0.2
HUMO	Hull Mountain	84.28 44	eP	P	08 53 58.2 +1.0
HDA	Harding Lake	84.36 18	P	P	08 53 57.1 +0.1
MDM	Murphy Dome	84.37 18	eP	P	08 53 56.1 -1.0
TCOL	CICO, UAF Yank	84.41 18	P	P	08 53 57.1 -0.2
CMB	Columbia Colle	84.42 49	eP	P	08 53 58.0 0.0
CMB	Columbia Colle	84.42 49	eP	Pmax	08 53 58.0 0.0
COLA	College	84.42 18	eP	P	08 53 56.9 -0.4
COLA	College	84.42 18c	iP	Pmax	08 53 56.6 -0.7
FMP	Fort Macarthur	84.55 54	P	P	08 53 58.8 +0.1
L04D	Latham Falls	84.58 45	P	P	08 53 59.2 +0.3
ARVC	Arvin	84.60 52	P	P	08 53 59.3 +0.4
ILB	Eielson Array	84.63 18	eP	P	08 53 57.7 -0.7
YES	Vestal, Richgr	84.64 52	P	P	08 53 59.2 +0.1
POKR	Poker Plat Res	84.72 18	P	P	08 53 58.1 -0.7
M04C	Macdoel	84.73 45	P	P	08 54 00.2 +0.5
ISA	Isabella, Lake	85.05 52	eP	P	08 54 01.8 +0.5
ISA	Isabella, Lake	85.05 52	eP	Pmax	08 54 01.8 +0.5
ISA	Isabella, Lake	85.05 52	P	P	08 54 01.4 +0.2
G03D	McMinnville, O	85.10 42	P	P	08 54 02.0 +0.8
J04D	Umpqua Nationa	85.10 44	P	P	08 54 02.1 +0.6
I04A	Tendick Farm,	85.11 43	P	P	08 54 01.5 +0.2
K04D	Chiloquin, OR	85.11 45	P	P	08 54 01.9 +0.4
EDW2	Edwards Air Fo	85.17 53	P	P	08 54 02.4 +0.5
BFSC	Mount Baldy Ra	85.22 54	P	P	08 54 01.9 -0.3
109C	Camp Elliot, M	85.23 55	P	P	08 54 02.0 -0.2
MDPB	Devils Postpil	85.25 50	eP	P	08 54 02.9 +0.4
HYT	Haines Junctio	85.33 24	eP	P	08 54 01.9 -0.2
MURC	Murrieta	85.38 54	P	P	08 54 02.7 -0.2
MLAC	Mammoth, Mammo	85.43 50	P	P	08 54 03.8 +0.5
YERR	Yerington	85.49 49	eP	P	08 54 04.3 +0.3
LRMC	Laurel Mtn Rad	85.50 52	P	P	08 54 04.1 +0.1
CWC	Cottonwood Cre	85.51 51	P	P	08 54 04.3 +0.1
TIN	Tinemaha, Big	85.59 51	P	P	08 54 05.0 +0.5
J05D	Fort Rock, OR	85.71 44	P	P	08 54 05.3 +0.8
MONP2	Monument Peak	85.78 55	P	P	08 54 05.4 +0.3
BBRC	Big Bear Solar	85.81 54	P	P	08 54 05.2 -0.1
DAC	Darwin (Calif)	85.92 52	eP	P	08 54 08.3 +2.6
PM3C	Manual Prospec	85.93 52	P	P	08 54 06.4 +0.6
RRMX	Edison Barstow	85.94 53	P	P	08 54 05.9 +0.3
IKP	In-Ko-Pah, Jac	85.96 55	P	P	08 54 06.5 +0.7
PFO	Pinyon Flats O	85.97 54	eP	P	08 54 05.7 -0.3
PFO	Pinyon Flats O	85.97 54	eP	Pmax	08 54 05.7 -0.3
PFO	Pinyon Flats O	85.97 54	eP	Pmax	08 54 05.9 0.0
I05D	Terrebonne, OR	86.03 43	P	P	08 54 06.2 +0.3
E04D	Cinlar	86.07 41	P	P	08 54 06.7 +0.7
NVAR	Mina Array Bea	86.09 49	P	P	08 54 06.7 +0.1
NVAR			pp	pp	08 54 57.7 -2.0
D03D	Eldon	86.13 40	P	P	08 54 06.9 +0.8
D04E	Lakebay	86.18 40	eP	P	08 54 06.4 0.0
GSC	Goldstone, Bar	86.22 53	eP	P	08 54 07.0 -0.1
GSC	Goldstone, Bar	86.22 53	eP	Pmax	08 54 07.0 -0.1
GSC	Goldstone, Bar	86.22 53	P	P	08 54 07.4 +0.3
SWSC	San W. Stewart	86.30 55	P	P	08 54 08.0 +0.6
GRAC	Grapevine Rang	86.33 51	P	P	08 54 08.1 +0.6
G05D	Wamic, OR	86.38 42	P	P	08 54 07.6 +0.1
HEC	Hector, Ludlow	86.44 53	P	P	08 54 08.2 +0.1
BELC	Belle Mtn. Jos	86.45 54	P	P	08 54 08.6 +0.3
F05D	White Salmon	86.53 42	P	P	08 54 08.8 +0.6
FURC	Furnace Creek,	86.54 52	P	P	08 54 08.9 +0.4
LON	Longmire	86.63 41	eP	P	08 54 09.1 +0.3
LON	Longmire	86.63 41	eP	Pmax	08 54 09.1 +0.3
TOLK	Toolk Lake Re	86.71 15	P	P	08 54 09.3 +0.7
BC3	Big Chuckawall	86.78 55	P	P	08 54 10.5 +0.6
SHOC	Shoshone, Teco	86.82 52	P	P	08 54 09.7 -0.1
A04D	Lummi Island	86.83 39	P	P	08 54 10.2 +0.7
TUQ	Turquoise Moun	86.95 53	P	P	08 54 10.9 +0.2
GMRC	Granite Mounta	86.96 54	P	P	08 54 10.9 +0.2
B05A	Bryant	87.03 39	P	P	08 54 11.0 +0.5
GLA	Glamis	87.11 55	P	P	08 54 12.3 +1.0
TPNV	Topopah Spring	87.16 51	P	P	08 54 12.1 +0.4
IRM	Iron Mountain	87.18 54	P	P	08 54 12.4 +0.7
WVOR	Wild Horse Val	87.19 46	eP	P	08 54 12.1 +0.4
WVOR	Wild Horse Val	87.19 46	eP	Pmax	08 54 12.1 +0.4
BMN	Battle Mountai	87.54 48	eP	P	08 54 13.8 +0.5
Y12C	Blythe	87.55 55	P	P	08 54 13.8 +0.4
C06D	Leavenworth	87.64 40	P	P	08 54 13.6 +0.1
NEE2	Needles Airpor	87.77 54	P	P	08 54 14.7 +0.3
J1RN	Jiri	87.88 299	eP	P	08 54 15.6 +0.1
TIXI	Tiksi	87.91 349	P	P	08 54 13.9 -0.2

TIXI	Tiksi	87.91 349	eP	P	08 54 13.5 -0.7
TIXI	Tiksi	87.91 349c	iP	P	08 54 13.6 -0.5
PDMCI	Parker Dam, Lak	88.02 54	P	P	08 54 15.8 +0.2
R11A	Troy Canyon, C	88.09 50	P	P	08 54 16.4 +0.3
GUN	Gumb	88.21 299	eP	P	08 54 17.1 +0.1
E08A	Dider Farm, El	88.30 42	eP	P	08 54 16.8 +0.2
Z14A	Organ Pipe Nat	88.43 57	P	P	08 54 18.4 +0.8
PKI	Pulchoki	88.52 299	eP	P	08 54 18.2 -0.3
PKIN	Pulchoki	88.53 299	eP	P	08 54 18.2 -0.3
KKK	Kakani	88.69 299	eP	P	08 54 19.2 +0.1
DMN	Daman	88.79 298	eP	P	08 54 19.6 -0.1
EPYK	Eagle Plains	88.80 20	P	P	08 54 18.5 -0.4
E09A	Wood Farm, Sta	88.80 42	eP	P	08 54 19.9 +0.5
GKN	Gona	89.29 299	eP	P	08 54 21.4 -0.5
F10A	Beach Ranch, E	89.32 43	eP	P	08 54 21.6 +0.1
SZCU	Shurtz Canyon	89.76 51	eP	P	08 54 24.7 +0.7
KOLN	Koldanda	90.12 298	eP	P	08 54 25.1 +0.7
NEW	Newport	90.13 40	P	P	08 54 25.4 +0.2
TUC	Tucson	90.18 57	eP	P	08 54 26.9 +1.0
TUC	Tucson	90.18 57	eP	Pmax	08 54 26.9 +1.0
HLID	Hailey	90.49 45	P	P	08 54 28.1 +0.9
WUAZ	Wupatki	90.53 54	P	P	08 54 28.5 +1.0
SYO	Syowa Base	90.62 197j	eP	P	08 54 25.6 -1.4
DUG	Dugway, Tooele	90.66 49	eP	P	08 54 28.4 +0.3
DUG	Dugway, Tooele	90.68 49	eP	Pmax	08 54 28.4 +0.3
DUG	Dugway, Tooele	90.68 49	P	P	08 54 28.6 +0.5
PYUN	Piuthan	90.73 299	eP	P	08 54 27.9 -0.7
WMQ	Urumqi	91.12 315	eP	Pmax	08 54 30.9 +1.0
WMQ			Pmax	Pmax	
X18A	Snowflake	91.42 55	eP	P	08 54 31.8 +0.1
W18A	Petrified Fore	91.73 55	eP	P	08 54 33.5 +0.4
W18A	Petrified Fore	91.73 55	eP	P	08 54 33.8 +0.7
MSO	Missoula	91.75 42	P	P	08 54 32.1 -0.7
P17A	Butcher Ranch,	92.03 50	eP	P	08 54 34.6 +0.2
121A	Cookes Peak, D	92.70 57	P	P	08 54 38.2 +0.6
FXWY	Fox Creek	92.88 46	eP	P	08 54 38.5 +0.2
DGZ	Jazzator, Alta	92.94 320c	iP	P	08 54 38.0 -0.3
BOZ	Bozeman (Wn)	92.96 44	P	P	08 54 39.2 +0.7
IMW	Indian Meadow	93.00 46	eP	P	08 54 39.1 +0.2
LOHW	Long Hollow	93.17 46	eP	P	08 54 39.6 0.0
MVCO	Mesa Verde	93.20 53			

AAK	Ala-Archa	100.31 3111	eP	Pdf	08 55 11.1	-0.7
WMOK	Wichita Mounta	100.49 57 P		Pdf	08 55 12.5	-0.1
FFC	Flin Flon	100.78 36	i P	Pdf	08 55 14.1	+0.8
BVAR	Borovoye Array	103.99 322	Pdf	Pdf	08 55 27.1	-0.6
ARU	Arti	110.66 326	iPKIKP	PKPKP	08 59 54.6	-1.6
AKTO	Aktubinskij	111.77 319	PKPKPbc	PKPKPbc	09 10 52.2	-1.9
ARCES	ARCES Array B	121.26 326	PKPKP	PKPKP	09 00 09.8	-0.5
ARCES	ARCES Array B	121.26 326	PKPKP	PKPKP	09 10 29.2	-3.4
LPAZ	La Paz	118.33 116	PKP	PKP	09 00 12.8	-0.1
LPZ	La Paz	118.33 116	ePKP	PKP	09 00 12.0	-0.9
CPUP	Villa Florida	122.01 132	ePKP	PKP	09 00 18.3	-0.6
CPUP	Villa Florida	122.01 132	ePKP	PKP	09 00 18.0	-1.0
OBN	Obninsk	122.83 329	iPKIKP	PKP	09 00 18.8	-0.8
VSR	Storozhevoje	124.10 324	ePKIKP	PKP	09 00 19.9	-0.3
KIV	Kislovodsk	123.26 315	ePKIKP	PKP	09 00 21.7	+0.5
NEY	Neyrino	123.42 314	iPKIKP	PKP	09 00 21.6	0.0
RAYN	Ar Rayn	123.71 290	ePKP	PKP	09 00 22.8	+0.2
FINES	FINES Array B	123.71 290	ePKIKP	PKP	09 00 22.8	+0.2
SIV	San Ignacio	124.55 120	PKP	PKP	09 00 22.9	-1.2
BOSA	Boshof	124.79 221	PKP	PKP	09 00 24.6	+0.2
BOSA	Boshof	124.79 221	ePKP	PKP	09 10 05.2	-1.7
BOSA	Boshof	124.79 221	ePKP	PKP	09 00 24.0	-0.4
BOSA	Boshof	124.79 221	ePKP	PKP	09 00 24.0	-0.4
LBTB	Lobatse	126.94 225	ePKP	PKP	09 00 28.4	-0.2
NB2	NORSAR Subarra	128.57 345	PKP	PKP	09 00 30.1	-0.4
NB2	NORSAR Subarra	128.57 345	PKP	PKP	09 00 30.1	-0.4
NOA	NORSAR Array B	128.57 345	PKP	PKP	09 00 30.0	-0.4
AKASG	Malin Array Be	128.90 327	PKP	PKP	09 00 31.7	+0.4
PTGA	Pitanga	132.13 328	PKP	PKP	09 00 37.4	-0.1
LVV	L'vov	132.13 328	ePKIKP	PKP	09 00 35.5	-2.0
BUR08	Bucovina Ar S	132.79 325	ePKP	PKP	09 00 40.2	+0.1
BDFB	Brasilia	135.35 128	PKP	PKP	09 00 44.0	-0.7
BRG	Berggiesshobel	136.05 336	ePKP	PKP	09 00 47.3	+0.8
BRG	Berggiesshobel	136.05 336	ePKIKP	PKP	09 00 47.3	+0.8
CLL	Collim	136.08 337	ePKIKP	PKP	09 00 44.0	-0.9
CLL	Collim	136.08 337	ePKP	PKP	09 00 44.0	-0.9
GE2C	GERESS Array S	137.70 334	ePKP	PKP	09 00 48.3	+0.2
GE2C	GERESS Array S	137.70 334	ePKIKP	PKP	09 00 48.3	+0.2
GERES	GERESS Array S	137.70 334	PKP	PKP	09 00 48.4	+0.3
DSB	Dublin	139.17 354	ePKP	PKP	09 00 50.3	-0.2
FUORN	Ofenpass-Fuorn	140.89 334	ePKP	PKP	09 00 48.7	
TUE	Stuetta	141.39 335	ePKP	PKP	09 00 50.1	
SENI1	Lac Senin/Sane	142.29 337	ePKP	PKP	09 00 52.9	
SENI2	Temporada	142.29 337	ePKP	PKP	09 00 54.9	-2.6
BNI	Bardonecchia	143.62 336	ePKP	PKP	09 00 57.6	+0.6
BNI	Bardonecchia	143.62 336	ePKIKP	PKP	09 00 57.6	+0.6
SSB	Saint Sauveur	144.23 339	ePKP	PKP	09 00 59.3	+0.6
SSB	Saint Sauveur	144.23 339	ePKIKP	PKP	09 00 59.3	+0.7
CLTB	Cattabellota	145.91 321	ePKP	PKP	09 01 03.6	+0.2
KEST	Kesra	149.43 323	ePKP	PKP	09 01 14.2	+0.5
KEST	Kesra	149.46 323	ePKP	PKP	09 01 14.3	+0.3
PBRG	Braganca	150.46 351	ePKP	PKP	09 01 16.2	+0.4
PBRG	Braganca	150.46 351	ePKP	PKP	09 01 23.9	+0.9
PGAR	Gaviira, Arco	150.51 353	ePKP	PKP	09 01 16.4	+0.4
ROSA	Rosais	150.70 25	ePKP	PKP	09 01 16.9	-0.1
PCAB	Cabril	150.74 352	ePKP	PKP	09 01 17.0	0.0
POLO	Lamas de Olo	151.03 352	ePKP	PKP	09 01 17.7	0.0
PVRL	Vila Real	151.12 352	ePKP	PKP	09 01 18.1	+0.3
MWO	Moncorvo	151.73 351	ePKP	PKP	09 01 17.9	0.0
PTO	Porto	151.37 353	ePKP	PKP	09 01 18.8	+0.5
PVIS	Viseu	151.69 352	ePKP	PKP	09 01 19.2	+0.1
PVIS	Viseu	151.69 352	ePKP	PKP	09 01 28.8	+0.6
ESDC	Sonsec Array	151.94 345	PKP	PKP	09 01 19.6	0.0
ESDC	Sonsec Array	151.94 345	PKP	PKP	09 01 30.3	+1.1
ESLA	Sonsec Array	151.94 345	ePKP	PKP	09 01 19.6	0.0
ESLA	Sonsec Array	151.94 345	ePKP	PKP	09 01 30.7	+1.5
MTE	Manteigas	151.96 351	ePKP	PKP	09 01 19.7	+0.1
MTE	Manteigas	151.96 351	ePKP	PKP	09 01 30.3	+1.0
PAB	San Pablo	152.15 346	ePKP	PKP	09 01 19.9	+0.1
PAB	San Pablo	152.15 346	ePKP	PKP	09 01 30.6	+0.4
COI	Coimbra	152.26 353	ePKP	PKP	09 01 19.1	-0.8
COI	Coimbra	152.26 353	ePKP	PKP	09 01 31.9	+0.0
PCBR	Castelo Branco	152.49 351	ePKP	PKP	09 01 20.6	+0.2
PCBR	Castelo Branco	152.49 351	ePKP	PKP	09 01 32.2	+0.7
PTOM	Tomar	152.84 352	ePKP	PKP	09 01 22.0	+0.1
PTOM	Tomar	152.84 352	ePKP	PKP	09 01 34.1	+1.1
PMRV	Marv??o	152.88 351	ePKP	PKP	09 01 21.0	+0.1
PMRV	Marv??o	152.88 351	ePKP	PKP	09 01 34.1	+0.9
PMTG	Montargil	153.36 352	ePKP	PKP	09 01 22.3	+0.1
PMBJ	Beja	154.33 351	ePKP	PKP	09 01 36.0	+0.8
PNCJ	Nicolau / Gran	154.34 352	ePKP	PKP	09 01 40.7	+1.4
PCVE	Castro Verde	154.74 351	ePKP	PKP	09 01 42.1	+1.0
VAQ	Vaqueiros	154.91 350	ePKP	PKP	09 01 43.6	+1.8
MORF	Marmeleira	155.15 352	ePKP	PKP	09 01 44.4	+1.5
TOAO	Torodi Ar. Sit	165.71 274	ePKP	PKP	09 01 28.8	-0.8
TORD	Torodi Ar. Be	165.71 274	ePKP	PKP	09 01 28.5	-0.8
TORD	Torodi Ar. Be	165.71 274	ePKP	PKP	09 02 29.7	-0.1

CSS	Mathiatis	0.90 285	P	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	S	Sb	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+0.8
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 54.8	+0.4
CSS	Mathiatis	0.90 285	Pg	Pg	08 58 01.6	+0.1
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 48.9	+0.6
CSS	Mathiatis	0.90 285	Pg	Pg	08 57 49.1	+

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, KURB Kurchatov Arra, RC01 Rabbit Creek A, etc.

ISCJB 12 09:29:31.3:0.4, 16.81N:0.04:145.92E:0.07, h10km, mb4.3/22, MS3.1/2, Error ellipse: s-maj=10.1km

ISC 12 09:29:31.5:1.1, 16.82N:145.97E, h0km, mb4.0/7, mb1.4/2.8, mb1mx3.8/4.6, mbtmp4.0/8, ML3.6/1, MS3.1/4, Ms1.3/1.4, ms1mx2.7/3.4, Error ellipse: s-maj=31.3km

NEIC 12 09:29:32.9:1.1, 16.78N:145.89E, h10km, mb4.5/15, Error ellipse: s-maj=7.4km s-min=3.1km az=126.0

ISC 12 09:29:32.9:0.6, 16.78N:0.06:145.91E:0.09, h10km, n42, 6.76/34, mb4.5/22, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SARN Sarigan, ANAZ Anatahan, GUMO Guam, etc.

Table with columns: BRVK Borovoye, KK31 Karatay Array, KBL Kabul, etc.

ISC 12 09:40:34.2:5.4, 2.12S:101.66E, h0km, mb3.6/3, mb1.3/7.3, mb1mx3.3/4.5, mbtmp3.6/3, MS3.5/1, Ms1.3.5/1, ms1mx2.6/2.6, Error ellipse: s-maj=279.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H0S2 Diego Garcia H, H0S3 Diego Garcia H, etc.

ISC 12 09:43:09.1:1.6, 2.55S:86N:91.58E, h0km, mb3.5/3, mb1.3/3.3, mb1mx3.3/4.8, mbtmp3.6/3, Error ellipse: s-maj=119.9km s-min=28.0km az=56.0

ISCJB 12 09:43:14.9:1.9, 26.22N:92.02E, h17km, 5km, ML3.5, ISCJB 12 09:43:15.2:0.8, 26.24N:0.04:92.04E:0.05, h12km, 6km, mb3.6/3, Error ellipse: s-maj=7.9km s-min=5.3km az=34.0

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

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

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

Table with columns: G001 Chusmiza, BCIP Isla Barro Col, PB01 IPOC Station P, etc.

ISC 12 09:40:34.2:5.4, 2.12S:101.66E, h0km, mb3.6/3, mb1.3/7.3, mb1mx3.3/4.5, mbtmp3.6/3, MS3.5/1, Ms1.3.5/1, ms1mx2.6/2.6, Error ellipse: s-maj=279.9km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H0S2 Diego Garcia H, H0S3 Diego Garcia H, etc.

ISC 12 09:43:09.1:1.6, 2.55S:86N:91.58E, h0km, mb3.5/3, mb1.3/3.3, mb1mx3.3/4.8, mbtmp3.6/3, Error ellipse: s-maj=119.9km s-min=28.0km az=56.0

ISCJB 12 09:43:14.9:1.9, 26.22N:92.02E, h17km, 5km, ML3.5, ISCJB 12 09:43:15.2:0.8, 26.24N:0.04:92.04E:0.05, h12km, 6km, mb3.6/3, Error ellipse: s-maj=7.9km s-min=5.3km az=34.0

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

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

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

ISC 12 09:43:13.2:1.3, 26.26N:0.04:92.08E:0.04, h15km, 10km, n11, c131/16, mb3.7/3, Northeastern India

NNC 12 10:36:46.4:1.1, 0.3695N:70.01E, h0km, mb3.9, mpv3.4, 4C-2D, Error ellipse: s-maj=14.8km s-min=62.7km az=157.0, Hindu Kush region

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and Time. Includes stations like Lewisberry, Seville, Lewisburg, Tazewell, Strasburg, Bull Pasture M, Fort Payne, Fall Branch, Robesonia, Blount Mountain, Cedar Hill Far, Nelsons Funny, Murphy, Piedmont, Fox Den Farm, Blacksburg, Saluda, Telford, Stanardsville, Columbiana, TA2, Sparta, Rockmart, Greenville, Rocky Mt, Nebo, Ashland, UPI, Jones, Taylorsville, Linares, King, Estanollee, Hurt, Cherokee Point, Camden, Lilburn, Eclectic, Mocksville, Monroe, Belton, Grand View Acr, Blanch, Kings Mountain, Williamson, Waverly Hall, Godfrey, Tignall, Monticello, Sparta, Greyclin & Ava, Midway, Double "B" Far, Gilead, White Oak, DZM, WRA, ASAR, ILAR, MKAR, NIED, ZAA1, ZALV, HHC, HHC, NB200, NOA, FIAO, FINESS, DGZ, KURK, BRVK, BVAR, MK32, MKAR, WMQ, WHN, OTKU, ABKAR, CD2.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and Time. Includes stations like KSH, CMAR, WDLM, KLOF, KSR, SWZ, ERPM, LBTB, BOSA, UPI, MSNA, DRKO, CVTR, LCR2, CEDE, ARET, JTS, HNR, DZM, WRA, ASAR, ILAR, MKAR, NIED, JMA, HONSHU, OFUJ, MIYJ, JKMT, JKMT, JMK, JTH, JOM, JOM, JIO, JKZ, JRJ, JANG, JOU, JOU, MJAR, MJAR, MJAR, ASAJ, H1N2.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and Time. Includes stations like H1N1, H1N3, H1S1, H1S3, H1S2, MKAR, KURB, ILAR, WRA, KBZ, PDAR, MEX, TGIG, PCIG, CCGI, NSSP, VMUR, ERVIC, ERV, VAN, TVAN, GEVA, ADCV, AKDM, DYDN, TUTA, MLAZ, AGRB, IGDI, EAT, EAT, ARUZ, CUKT, MUSM, KOPR, HOMI, BINGOL, SVAN, KARO, EAT, MZI, ISCJB, PMG, PMG, WRA, ASAR, ASAR, H1S3, H1S2, H1S1, STKA, H1N1, H1N2, LEM, SKET, PAYA, CMAR, CMAR, CMAR, SONM, SONM, ILAR, ILAR, ILAR, MKAR, MKAR, MAW.

12d 14h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BOSO, ODAWARA, TOKANAKI, etc.

DSN 12 14:03:29.5, 2.3, 26.56N, 57.97E, h10km, ML3.6/9, Error ellipse: s-maj=32.9km, s-min=10.1km, az=3.0, OMAN 12 14:03:31.6, 1.4, 26.89N, 57.92E, h34km, ML3.8/18, Error ellipse: s-maj=71km, s-min=12.3km, az=22.0, THR 12 14:03:32.3, 26.86N, 57.51E, h14km, ML3.7, IDC 12 14:03:33.1, 3.0, 26.67N, 57.38E, h0km, mb3.7/6, mb1 3.7/6, mb1mx3.4/5.2, mbtm3.6/7.6, MS3.1/3, Ms1 3.1/3, ms1mx2.7/2.9, Error ellipse: s-maj=65.1km, s-min=29.1km, az=154.0, TEH 12 14:03:33.8, 26.91N, 57.76E, h10km, ML3.8, ISC 12 14:03:30.9, 0.7, 26.42N, 0.04, 57.81E, 0.03, h10km, n56, c1979/56, mb3.7/6, Southern Iran

Main table of station data for the 12d 14h period, including stations like NIAN, BANOM, SHME, etc.

2013 JUL

comp=Z.0,3nm,0.3s,baz=76,slow=7.4,SNR=6.1 JAY Jayapura 84.75 95 LR 14 59 29.9 comp=Z.40nm,18.0s,baz=137,slow=39

SJA 12 14:04:06.3, 1.1, 21.29S, 69.90W, h56km, 4km, MD2.9, ML2.9, MW3.2 GUC 12 14:04:07.0, 0.7, 21.31S, 69.84W, h57km, 2km, ML3.9, ISCJB 12 14:04:08.0, 0.5, 21.29S, 0.02, 69.95W, 0.06, h50km, 6km, Error ellipse: s-maj=9.5km, s-min=3.5km, az=5.0, ISC 12 14:04:09.1, 2.1, 21.30S, 0.02, 69.85W, 0.05, h45km, 6km, n34, c1949/55, 2C-1D, Northern Chile

Main table of station data for the 2013 JUL period, including stations like IPOC, IRO, etc.

IDC 12 14:07:19.0, 3.1, 51.62N, 160.35E, h0km, mb3.6/3, mb1 3.6/4, mb1mx3.2/5.4, mbtm3.6/4, ML2.6/1, MS1.8/1, Ms1 1.8/1, ms1mx1.8/3.4, Error ellipse: s-maj=92.9km, s-min=48.4km, az=36.0, KRSC 12 14:07:23.0, 1.7, 52.10N, 160.67E, h60km, 24km, ML4.0, ISC 12 14:07:22.9, 2.4, 52.14N, 0.07, 160.54E, 0.07, h13km, 11km, n30, c0885/44, mb3.8/3, Off east coast of Kamchatka Peninsula

Main table of station data for the 2013 JUL period, including stations like SPN, NLC, etc.

0.6nm, 0.5s, baz=52, slow=9.7, SNR=4.0 FINES FINESS Array B 61.11 337 P 14 17 37.0 +0.8 0.5nm, 0.4s, baz=35, slow=10, SNR=7.5

IDC 12 14:13:45.7, 0.8, 3.32N, 126.00E, h0km, mb3.9/7, mb1 4.0/8, mb1mx3.7/3.8, mbtm3.9/8, ML3.9/1, MS3.1/5, Ms1 3.2/5, ms1mx2.7/2.9, Error ellipse: s-maj=84.8km, s-min=15.2km, az=64.0, ISCJB 12 14:13:51.1, 0.3, 3.48N, 0.03, 126.55E, 0.05, h53km, mb4.1/1.8, MS3.1/2, Error ellipse: s-maj=7.6km, s-min=3.1km, az=153.4, DJA 12 14:13:51.1, 1.1, 3.13N, 127.7E, h18km, 19km, M4.1/1, mb4.3/3, MLV4.0/8, NEIC 12 14:13:51.5, 2.1, 3.27N, 126.01E, h44km, 9km, mb4.2/1.2, Error ellipse: s-maj=23.3km, s-min=13.6km, az=66.0, BUK 12 14:13:53.3, 3.76N, 126.44E, h5km, MS3.3, ISC 12 14:13:52.3, 0.5, 3.42N, 0.04, 126.45E, 0.06, h53km, n49, c1846/49, mb4.2/1.8, 2C-1D, Talaud Islands

Main table of station data for the 2013 JUL period, including stations like SGGI, DDMF, etc.

UCR 12 14:17:41.5, 2.6, 9.78N, 85.43W, h57km, 867km, MW3.5, Off coast of Costa Rica

Table of station data for the UCR 12 14:17:41.5 period, including stations like EDDO, EDLM, etc.

IGQ 12 14:30:11.0, 1.4, 4.4S, 107.8W, 1.3, h6km, MLV3.7, Peru-Ecuador border region

Main table of station data for the IGQ 12 14:30:11.0 period, including stations like ZUMB, GONZ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like DBIC Dimbokro, D47A Chapeau, D46A Sault St. Mari, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like KSH Kashi, MK32 Makanchi Array, MKAR Makanchi Array, etc.

KRNET 12:54:44.1±0.1, 41:19N:69:79E, mb2.6
ISC 12:54:44.5±0.1, 41:14N:69:69E:0.2, h35km, n7,

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

IDC 12:52:01.1±0.1, 30:30N:41:55W, h0km, mb3.5/3, mb1.3, 8/3, mb1mx3.4/34, mb1mx3.5/3, MS3.3/5, MS1.3/3/5,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SCH0 Schefferville, DBIC Dimokro, TORD Torodi Arr. Bea, etc.

ISCJB 12:16:05:16.8:0.8, 4:14S:0:08:135:17E:0:08, h20km, mb3.7/2, Error ellipse: s-maj=12.2km s-min=10.4km

DJA 12:16:05:20:7.0:8, 4:5:6:13:5E, h26km, gkm, M4.2/5, mb4.6/1, mb5.2/1, MLV3.9/5, Mw(m)B4.5/1

IDC 12:16:05:21:8:2.6, 3:94S:135:21E, h42km, 25km, mb3.5/2, mb1.3, 8/5, mb1mx3.4/24, mb1mx3.9/5, ML3.6/3, Error ellipse: s-maj=35.2km s-min=18.5km az=39.0

ISC 12:16:05:18.6:1.1, 4:07S:0:09:135:28E:0:08, h20km, n9, c:250/10, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SRPI Serui, Papua, BAKI Biak, FAKI Fak Fak, etc.

IDC 12:16:38:08:6:9, 5:51N:94:49E, h0km, mb3.5/3, mb1.3/7/3, mb1mx3.3/36, mb1mx3.5/3, MS3.3/1, MS1.3/2/1, ms1mx2.6/19, Error ellipse: s-maj=495.7km s-min=28.1km az=57.0, Northern Sumatera

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like H08S3 Diego Garcia H, H08S2 Diego Garcia H, H08S1 Diego Garcia H, etc.

UCR 12:16:38:23:0:4, 10:04N:86:11W, h14km, 7km, MW4.1
ISCJB 12:16:38:25:0:6, 10:09N:0:06:85:98W:0:04, h24km, mb4.0/10, MS3.1/3, Error ellipse: s-maj=8.8km s-min=0.5, 1km az=4.1

IDC 12:16:38:26:0:9, 11:24N:85:10W, h0km, mb3.8/5, mb4.1/16, mb1mx3.8/33, mb1mx3.6/6, ML3.3/1, MS3.2/3,

Ms1.3/1/3, ms1mx2.7/28, Error ellipse: s-maj=36.2km s-min=9.5km az=73.0
NEIC 12:16:38:28:2:1, 10:27N:85:80W, h25km, 9km, mb4.3/7, MD4.0(UCR), Error ellipse: s-maj=11.3km s-min=2.9km az=188.0

ISC 12:16:38:27:3:0.8, 10:18N:0:06:85:88W:0:05, h24km, n38, c:1963/37, mb4.0/10, MS3.1/3, BC, Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like BUEV Buena Vista, GUB1 Birquinen Arr, CUI1 Cuiplapa, etc.

ISCJB 12:16:53:02.9:0.9, 29:72N:0:04:35:0E:0:1, h25km, 4km, Error ellipse: s-maj=16.0km s-min=5.5km az=18.2

GII 12:16:53:02.9:0.3, 29:75N:35:05E, h18km, 1km, MD2.0/4
HLW 12:16:53:02.7:29:74N:35:04E, h14km, 7km, M3.1

ISC 12:16:53:02:1.1, 6:29:73N:0:05:35:05E:0:07, h15km, 16km, n15, c:659/21, Western Arabian Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like EIL Elat, MBRI Mt Berrech, MBRI Mount Harif, etc.

ISCJB 12:17:24:31:7:0.8, 38:33N:0:04:38:90E:0:06, h7km, 8km, Error ellipse: s-maj=7.7km s-min=6.1km az=178.0

DDA 12:17:24:31.8:38:34N:38:98E, h7km, 2km, ML2.8
ISK 12:17:24:31.3:38:33N:38:92E, h5km, ML2.1/5

ISC 12:17:24:31.8:1.1, 38:37N:0:04:38:93E:0:05, h14km, 9km, n10, c:635/14, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ELZG Elazig, SVRC Sivrice-ELAZID, SVRC Urfa, etc.

MEX 12:17:35:51:0:0.4, 17:33N:100:81W, h8km, 6km, MD3.5, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like CAIG El Cayaco, CAIG Zihuatanejo, CAIG Puente Sto Nin, etc.

ISCJB 12:17:56:03:8:0.5, 1:51N:0:06:125:00E:0:05, h154km, mb4.9/16, Error ellipse: s-maj=8.7km s-min=5.8km

IDC 12:17:56:03:2:19.0, 1:62N:125:16E, h132km, 190km, mb3.8/4, mb1.3/9.4, mb1mx3.2/48, mb1mx4.1/4, Error

ellipse: s-maj=183.7km s-min=30.5km az=62.0
DJA 12 17:56:05.0, 1.41N, 5.12E, h149km, 2km, M4.3/11,
mb4.6/2, mb5.3/1, MLV4.2/11, Mw(MB)4.7/1

NEIC 12 17:56:07.0, 2.1, 1.41N, 124.89E, h169km, 10km, mb4.2/16,
Error ellipse: s-maj=16.0km s-min=4.5km az=214.0

ISC 12 17:56:05.7, 0.7, 1.34N, 0.06, 124.96E, h154km, m32,
c147/37, mb4.1/16, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Lists stations like SGSI Sangihe, TNTI Ternate, LBMJ Labuha, etc.

SIGU 12 18:02:29.7, 45.55N, 26.33E, h136km, mb3.9
BUC 12 18:02:30.1, 0.3, 45.52N, 26.37E, h137km, 3km, MD4.2/12,
Error ellipse: s-maj=3.0km s-min=2.6km az=110.0

IDC 12 18:02:30.7, 0.8, 45.69N, 26.48E, h119km, 10km, mb3.3/4,
mb1.3/1.0, mb1mx2.9/42, mb1mp3.5/10, Error ellipse:
s-maj=22.7km s-min=16.7km az=85.0

SOF 12 18:02:31.0, 45.39N, 26.25E, h15km
BEO 12 18:02:36.0, 1.7, 45.46N, 25.78E, h45km, 4km, ML3.5/4
ISC 12 18:02:29.8, 0.4, 45.33N, 26.32E, 0.03, h143km, 5km,
n153, c155/199, mb3.6/4, 39C-6SD, Romania

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Lists stations like MLR Muntele Rosu, PLOSTINA, VRI Vrincoiaia, etc.

Table with columns: TLB Topalu, TLB Topalu, COPA Copaceanca, etc. Lists stations and their coordinates and phases.

SJA 12 18:21:00.9, 0.4, 31.76S, 68.93W, h99km, 2km, ML3.2,
MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Lists stations like RTLS Leoncito, RTLS Cerro Valdivia, etc.

ellipse: s-maj=20.6km s-min=4.5km az=86.6
KRSC 12 18:21:05.7, 1.7, 50.60N, 158.14E, h48km, 24km, ML4.3,
IDC 12 18:21:08.3, 8.1, 50.55N, 157.39E, h42km, 67km, mb3.1/2,
mb1.3/3.3, mb1mx3.0/31, mb1mp3.3/3, ML2.5/1, Error
ellipse: s-maj=57.0km s-min=33.8km az=172.0

ISC 12 18:21:05.5, 1.9, 50.49N, 0.08, 158.00E, h06, h3km, 14km,
m62, c1948/92, 1C-2D, East of Kuril Islands

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Lists stations like SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

SJA 12 18:26:51.5, 0.3, 21.57S, 68.39W, h155km, 6km, ML2.1,
MW2.5

ISCJB 12 18:26:52.9, 1.1, 21.54S, 0.05, 68.41W, 0.08,
h143km, 15km, Error ellipse: s-maj=13.0km s-min=7.5km
az=177.3

GUC 12 18:26:52.9, 0.8, 21.52S, 68.52W, h146km, 6km, ML3.0
ISC 12 18:26:52.9, 2.1, 21.53S, 0.05, 68.41W, 0.08,
h145km, 20km, n18, c0640/30, 2C-1D, Chile-Bolivia border
region

Table with columns: Code, Station Name, Az, Op, Phase, ID, Time, Res, ISC. Lists stations like PB09 IPOC Station P, PB09 IPOC Station P, etc.

MOS 12 18:21:04.1, 0.5, 50.37N, 158.09E, h63km, mb4.0/2, Error

12d 18h

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like IPOC Station P, IASH, IASH, etc.

NIED 12 18:31:00, 38.40N, 142.20E, h32km, Mw4.3. Best double couple: M2, 79000x-1019, N171, 320, 00000, 3, 18, 00000, 1, -172, 00000, NP2, 222, 00000, 888, 00000, 1, -73, 00000

14C-6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like IJHK, IJHO, IJIO, etc.

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Main table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like KSRS, MDJ, MDJ, etc.

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Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like LZHZ, LZHZ, LZHZ, etc.

12d 19h

IKAZ	Kazeroun	2.64 128	ePn	Pn	19 13 51.9	+2.4
IKAZ			IAMB	IAMB	19 14 37.3	
comp=Z,1um,0.4s						
IZEF	Zefreh	2.86 58	ePn	Pn	19 13 55.1	+2.7
IZEF			IAMB	IAMB	19 14 04.7	
comp=Z,365nm,0.4s						
ASAO	Ashtian	3.15 9	ePn	Pn	19 13 59.5	+3.0
ASAO	Ashtian	3.15 9	ePn	Pn	19 13 59.5	+3.0
NASN	Na'in	3.17 64	ePn	Pn	19 13 58.7	+1.9
NASN	Na'in	3.17 64	ePn	Pn	19 13 58.7	+1.9
IKOM	Komasi	19 13 30.0	ePn	Pn	19 14 00.3	+3.5
IKOM			IAMB	IAMB	19 15 11.9	
comp=Z,0.0nm,0.4s						
GHVR	GHOM	3.42 27	ePn	Pn	19 14 02.3	+2.2
GHVR	GHOM	3.42 27	ePn	Pn	19 14 02.2	+2.2
ISAD	Sadrabad	3.66 81	IAMB	IAMB	19 14 06.2	
comp=Z,344nm,0.4s						
ISAD	Sefidab	3.75 38	ePn	Pn	19 14 05.6	+2.2
ISFB			IAMB	IAMB	19 14 16.6	
comp=Z,201nm,0.4s						
ISFB	Sefidab	3.75 38	ePn	Pn	19 14 05.6	+2.2
IRAZ	Razeghan	3.99 6	ePn	Pn	19 14 10.1	+2.2
IRAZ			IAMB	IAMB	19 15 24.8	
comp=Z,342nm,0.6s						
ANAR	Anarak	4.04 63	ePn	Pn	19 14 11.0	+2.5
ANAR			IAMB	IAMB	19 14 12.0	
comp=N,0.0nm,0.3s						
ILIN	Lien	4.05 30	ePn	Pn	19 14 11.4	+2.5
ILIN			IAMB	IAMB	19 15 01.6	
comp=Z,822nm,0.5s						
IDHR	Dehrash	4.15 323	ePn	Pn	19 14 11.5	+1.4
IDHR			IAMB	IAMB	19 15 04.9	
comp=Z,0.0nm,0.3s						
IMEH	Mehriz	4.43 89	ePn	Pn	19 14 15.7	+1.7
IMEH			IAMB	IAMB	19 14 17.5	
comp=Z,119nm,0.3s						
IDMV	Damavand	4.68 27	ePn	Pn	19 14 19.3	+1.9
IDMV			IAMB	IAMB	19 14 39.9	
comp=Z,132nm,0.4s						
ILAS	Lasjerd	4.93 36	ePn	Pn	19 14 22.8	+2.0
ISHM	Shahmirzad	5.43 35	ePn	Pn	19 14 30.6	+2.9
GEYT	Alibeek	9.65 45	ePn	Pn	19 15 25.8	+0.3
comp=Z,0.4nm,0.3s,baz=236,slow=1.0,SNR=5.8						
ASR	Jabal al Asfar	10.20 277	Pn	Pn	19 15 39.4	-0.4
ASR	Jabal al Asfar	10.20 277	Pn	Pn	19 15 39.4	-0.4
comp=Z,0.3nm,0.3s,baz=121,slow=1.5,SNR=4.3						
BRTR	Keakin Array B	15.28 307	Pn	Pn	19 16 48.0	+0.8
comp=Z,0.1nm,0.3s,baz=127,slow=1.3,SNR=3.9						
BVAR	Borovoye Array	26.40 29	LR	LR	19 31 10.8	
comp=Z,54nm,20.6s,baz=181,slow=4=1						
KURBB	Kurchatov Arra	28.86 40	P	P	19 19 03.3	-1.8
comp=Z,0.2nm,0.6s,baz=243,slow=8.1,SNR=2.9						
MKAR	Makanchi Array	29.50 49	P	P	19 19 06.9	-3.9
comp=Z,0.1nm,0.5s,baz=236,slow=12,SNR=2.6						
FINES	FINESS Array B	33.68 340	P	P	19 19 46.2	-1.2
comp=Z,0.8nm,0.4s,baz=155,slow=9.2,SNR=9.3						
ARCES	ARCCESS Array B	40.49 347	P	P	19 20 44.8	-0.3
comp=Z,6.4nm,1.1s,baz=155,slow=9.0,SNR=3.6						
KSR5	Korea Array	63.26 61	LR	LR	19 56 08.6	
comp=Z,20nm,18.0s,baz=170,slow=4=1						

ARE 12 19:27:34.0,0.0,12.63S:77.18W,h38km
 ISCJB 12 19:27:35.2,0.8,12.63S:0.04:76.89W:0.07,h49km,7.7km,
 mb4.6/36,Error ellipse: s-maj=13.1km s-min=4.3km
 az=157.7

NEIC 12 19:27:36.2,0.0,12.53S:76.87W,h46km,5km,mb4.7/37,
 ML4.2(ARE),Error ellipse: s-maj=15.7km s-min=7.3km
 az=85.0

NEIC Felt [III] at Chilca and Lima and [II] at Callao. Also felt at
 San Juan de Miraflores.

IDC 12 19:27:36.1,0.6,12.45S:76.98W,h42km,5km,mb4.0/10,
 mb1.4/12,mb1mx3.9/30,mbtmp4.2/12,ML3.7/2,MS3.7/5,
 Ms1.3/7.5,ms1mx3.2/30,Error ellipse: s-maj=18.4km
 s-min=9.7km az=99.0

BUI 12 19:27:42.0,0.0,12.50S:76.90W,h33km,Ms4.7/1,
 Ms7.4/5/1

ISC 12 19:27:36.4,0.4,12.58S:0.06:76.8W:0.11,h39km,3km,
 h39km:pp-P,n99,α185/100,mb6.3/7,1C,Near coast of
 Peru

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC	h m s	ISC
NNA	Nana	0.59 354	P	Pn	19 27 55.4		
954nm,0.3s,baz=211,slow=11,SNR=1281							
NNA			LR	LR	19 27 55.4		
comp=Z,278nm,19.5s,baz=124,slow=4							
NNA			S	S	19 27 56.3	-0.6	
4um,0.3s,baz=216,slow=12,SNR=128							
ATAH	Athualpa	5.64 343	P	Pn	19 28 58.2	+0.1	
9.4nm,0.3s,baz=165,slow=3,SNR=24							
ATAH			S	S	19 30 05.4	+3.5	
8.0nm,0.3s,baz=247,slow=13,SNR=2.9							
LPAZ	La Paz	9.15 115	P	Pn	19 29 52.8	+6.3	
1.7nm,0.3s,baz=283,slow=11,SNR=17							
LPAZ			LR	LR	19 34 13.1		
comp=Z,244nm,21.5s,baz=18,slow=42							
LPAZ	La Paz	9.15 115	ePn	Pn	19 29 47.9	+1.4	
19 29 49.2							
MNMC	Minye Minye	9.49 134	ePn	Pn	19 29 50.9	0.0	
PB1	IPOC Station P	9.89 137	ePn	Pn	19 29 56.2	+0.1	
PB11			eSn	S	19 31 42.5	-3.5	
GO01	Chusmiza	10.14 135	ePn	Pn	19 30 00.9	+1.0	
PB01	IPOC Station P	10.93 141	ePn	Pn	19 30 10.6	+0.2	
PB01			eSn	S	19 32 05.4	+6.1	
PB04	IPOC Station P	11.58 148	ePn	Pn	19 31 07.5	+1.2	
LVC	Limon Verde	12.48 144	P	Pn	19 30 34.7	+2.9	
0.3nm,0.3s,baz=341,slow=3.8,SNR=3.0							
LVC			S	S	19 32 50.3	+0.7	
0.8nm,0.3s,baz=77,slow=19,SNR=4.3							
PTLC	Puerto Leguiza	12.82 9	ePn	Pn	19 30 32.9	-3.3	
CRUC	La Cruz	14.06 359	ePn	Pn	19 30 55.7	+2.3	
FLOC	Florencia	14.12 5	ePn	Pn	19 30 53.1	-0.8	
GO02	Mina Guanaco	14.24 153	ePn	Pn	19 30 59.7	+3.9	
GBAC	Balboa, Cauca	14.51 358	ePn	Pn	19 30 59.9	+0.4	
SOTA	Botafiano	14.62 5	ePn	Pn	19 31 03.3	+2.1	
POPA	Popayan, Colom	15.02 0	ePn	Pn	19 31 07.5	+1.2	
BETC	Retania	15.22 5	ePn	Pn	19 31 10.0	+1.3	
SIV	San Ignacio	15.60 104	P	Pn	19 31 16.2	+2.6	
0.3nm,0.3s,baz=295,slow=14,SNR=4.4							
PRAC	Prado	16.30 3	ePn	Pn	19 31 25.2	+0.1	
ORTC	Ortega, Tolima	16.45 5	ePn	Pn	19 31 26.0	-0.8	
YOTO	Yotoco, Valle	16.46 2	ePn	Pn	19 31 27.0	0.0	
VILC	Villavicencio,	16.86 11	ePn	Pn	19 31 31.1	-0.4	
CHIC	Chingaza	17.36 10	ePn	Pn	19 31 37.0	-0.3	
ROSC	El Rosal	17.48 8	LR	LR	19 39 38.2		
comp=Z,307nm,19.1s,baz=222,slow=42							
ROSC	El Rosal	17.48 8	LR	LR	19 31 36.6	-1.0	
17nm,1.2s							
GUY2C	Guayana, Caidas	17.74 5	ePn	Pn	19 31 44.6	+3.0	
PAYG	Puerto Ayora	17.87 310	ePn	Pn	19 31 43.4	+0.9	
73nm							
NORC	Norcasia	18.12 6	ePn	Pn	19 31 46.2	+0.9	
GO04	Tololo Observa	18.36 163	ePn	Pn	19 31 49.5	+1.2	
56nm,1.3s							
RUSC	La Rusia	18.72 12	ePn	Pn	19 31 53.0	+0.1	
PTBC	PUERTO BERRIO,	19.14 7	ePn	Pn	19 31 55.5	-0.9	
BARC	Barichara	19.38 11	ePn	Pn	19 32 03.9	+3.3	
ZARC	Zaragoza, Cauc	20.03 6	ePn	Pn	19 32 07.3	-0.9	
PTGA	Pitinga	20.41 56	P	Pn	19 32 11.2	+0.9	
0.0nm,0.8s,baz=231,slow=11,SNR=17							
PTGA	Pitinga	20.41 56	ePn	Pn	19 32 11.4	+1.1	
15nm,0.6s							
CFA	Coronel Fontan	20.50 159	P	P	19 32 12.8	+1.6	
26nm,0.9s,baz=333,slow=11,SNR=16							
SDV	Santo Domingo	22.18 16	ePn	Pn	19 32 29.6	+0.1	
5.5nm,0.6s,baz=205,slow=17,SNR=3.8							
SDV	Santo Domingo	22.18 16	ePn	Pn	19 32 28.2	-1.3	
13nm,0.8s							
SJCC	San Jacinto, C	22.39 4	ePn	Pn	19 32 35.1	+3.5	
GO05	Huala	22.76 170	ePn	Pn	19 32 36.0	+0.6	
56nm,1.6s							
CPUV	Villa Florida	22.83 130	ePn	Pn	19 32 38.7	+2.5	
VRV	Villa del Rosa	23.34 11	ePn	Pn	19 32 37.3	-4.1	
BRFB	Brasilia	28.05 10	LR	LR	19 45 32.7	-4.1	
comp=Z,209nm,19.0s,baz=272,slow=38							
PLCA	Paso Flores	28.57 170	P	P	19 33 28.9	+0.1	
1.6nm,0.8s,baz=5.5,slow=10,SNR=23							
PLCA			LR	LR	19 42 47.6		
comp=Z,34nm,19.0s,baz=18,slow=32							
PLCA	Paso Flores	28.57 170	ePn	Pn	19 33 28.9	+0.1	
13nm,0.8s							
WLAR	White Oak Lake	48.57 342	ePn	Pn	19 36 14.5	-1.4	
43nm,0.8s							

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TXAR	Lajitas Array	49.09 328	eP	P	19 36 27.8	-3.7
1.2nm,1.0s,baz=150,slow=6.0,SNR=10.0						
MIAR	Mout Ida	49.51 342	eP	P	19 36 22.0	-1.2
7.3nm,0.7s						
X37A	Clayton	50.12 340	eP	P	19 36 27.1	-0.8
15nm,0.8s						
W39A	Magazine	50.17 342	eP	P	19 36 27.6	-0.6
10.0nm,1.0s						
TUL1	Leonard	51.47 340	eP	P	19 36 37.2	-0.8
7.0nm,0.8s						
MNTX	Cornudas Mount	51.87 329	eP	P	19 36 40.0	-1.0
7.7nm,1.6s						
PMSA	Palmer Station	52.87 173	eP	P	19 36 47.9	0.0
23nm,0.8s						
319A	Douglas	53.69 325	eP	P	19 36 54.5	-0.1
14nm,1.3s						
ANMO	Albuquerque	55.01 330	eP	P	19 37 03.7	-0.6
15nm,1.0s						
SDCO	Grand Sand Dun	56.85 333	eP	P	19 37 16.8	-0.8
2.6nm,0.8s						
SMCO	Snowmass	58.69 333	eP	P	19 37 32.2	+1.7
6.3nm,1.1s						
KNB	Deer Lake	59.86 327	eP	P	19 37 37.8	-0.6
5.7nm,1.2s						
PSUT	Pine Spring	61.53 327	eP	P	19 37 49.0	-0.9
3.3nm,1.0s						
DUG	Dugway, Tooele	62.25 329	eP	P	19 37 53.1	-1.5
4.3nm,0.8s						
R11A	Troy Canyon, C	62.32 326	eP	P	19 37 54.6	-0.5
1.6nm,0.9s						
PDAR	Pinedale Array	62.74 333	P	P	19 37 54.7	-3.1
0.3nm,0.7s,baz=183,slow=6.1,SNR=3.5						
PDAR			pp	pp	19 38 07.9	-1.5
0.8nm,0.7s,baz=135,slow=6.6,SNR=0.0						
OMMB	Old Mammoth Mt	63.73 323	eP	P	19 38 03.2	-1.4
5.3nm,1.1s						
DRLN	Deer Lake	63.88 14	eP	P	19 38 05.1	+0.2
8.8nm,0.8s						
NVAR	Mina Array Bea	63.89 325	P	P	19 38 04.4	-1.2
0.9nm,0.8s,baz=138,slow=7.5,SNR=2.2						
NVAR			pp	pp	19 38 17.1	-0.1
1.4nm,0.8s,baz=133,slow=7.4,SNR=5.3						
ULM	La Cof Bonnet	64.76 347	P	P	19 38 09.0	-1.8
2.6nm,0.4s,baz=171,slow=1.0,SNR=4.5						
PAHR	Pah Rah Range	65.38 325	eP	P	19 38 21.6	

RYN	Ryan	23.73 169	eP	P	20 05 02.6 +1.5
WAKR	Walker	23.77 171	eP	P	20 05 02.8 +1.1
GTO	Red Feather La	23.86 104	Ph	P	20 05 02.2 0.0
N23A	Red Feather La	23.89 144	P	P	20 05 03.9 +1.1
N23A	Red Feather La	23.89 144	P	P	20 05 03.9 +1.1
NV01	Mina Array Sit	23.94 169	ePcP	PcP	20 08 46.8 +1.3
NVAR	Mina Array Bea	23.94 169	P	P	20 05 05.1 +1.8
NVAR	Mina Array Sit	23.95 168	eP	PcP	20 08 46.8 +1.3
NV11	Mina Array Sit	23.95 168	eP	P	20 05 04.9 +1.5
NV11	Mina Array Sit	23.95 168	eP	PcP	20 08 45.9 +0.5
MCCM	Marconi Confer	23.96 177	eP	PcP	20 05 04.2 +1.1
O20A	White River Ci	24.00 149	eP	P	20 05 05.2 +1.3
O20A	White River Ci	24.00 149	P	P	20 05 04.8 +1.0
P17A	Butcher Ranch	24.07 154	eP	P	20 05 06.1 +1.6
TMUT	Trail Mountain	24.14 155	eP	P	20 05 06.8 +1.4
E38A	The Farm Brul	24.17 115	eP	P	20 05 07.2 +2.1
CMB	Columbia Colle	24.17 173	eP	P	20 05 05.4 +0.1
CMB	Columbia Colle	24.17 173	eP	P	20 05 05.4 +0.1
C40A	Isle Royale Na	24.21 110	eP	P	20 05 05.5 +0.1
R11A	Troy Canyon,	24.33 163	eP	P	20 05 07.8 +0.8
R11A	Troy Canyon,	24.33 163	P	P	20 05 07.7 +0.8
PSUT	Pine Spring	24.41 160	eP	P	20 05 09.3 +1.7
ECSD	EROS Data Cent	24.46 126	eP	P	20 05 07.8 0.0
ECSD	EROS Data Cent	24.46 126	eP	P	20 05 08.2 +0.3
SRU	San Rafael Swe	24.46 154	eP	P	20 05 09.5 +1.4
SRU	San Rafael Swe	24.46 154	eP	P	20 05 09.5 +1.4
Q16A	Castle Valley	24.52 155	eP	P	20 05 10.0 +1.4
TCRU	Three Creeks R	24.57 157	eP	P	20 05 10.9 +1.8
MDPB	Devils Postpil	24.67 170	eP	P	20 05 10.8 +0.8
OMMB	Old Mammoth M	24.69 170	eP	P	20 05 11.1 +0.7
MSU	Marysvale	24.72 157	eP	P	20 05 12.1 +1.7
MSU	Marysvale	24.72 157	eP	P	20 05 12.1 +1.7
FRB	Frisher Bay	24.73 61	P	P	20 05 10.9 +0.9
FRB	Frisher Bay	24.73 61	Ph	LR	20 15 38.3
FRB	Frisher Bay	24.73 61	Ph	P	20 05 12.8 +2.7
SPMN	Marine on St.	24.74 118	P	P	20 05 11.5 +1.2
SPMN	Marine on St.	24.74 118	P	P	20 05 11.0 +0.7
ISCO	Idaho Springs	25.00 144	eP	P	20 05 14.8 +1.7
ISCO	Idaho Springs	25.00 144	eP	P	20 05 14.8 +1.7
ISCO	Idaho Springs	25.00 144	eP	P	20 05 13.7 +0.6
OGNE	Ogallala	25.01 137	eP	P	20 05 14.6 +1.7
D41A	Chassel	25.12 110	eP	P	20 05 14.6 +0.9
D41A	Chassel	25.12 110	P	P	20 05 13.7 0.0
NIKH	Nikolski High	25.15 269	eP	P	20 05 13.8 -0.1
MTPU	Mount Pierson	25.17 157	eP	P	20 05 16.1 +1.4
SMCO	Snowmass	25.23 147	eP	P	20 05 16.5 +1.2
TIN	Tinemaha, Big	25.31 169	P	P	20 05 16.4 +0.8
G39A	Holcomb	25.38 116	P	P	20 05 16.6 +0.5
SAO	San Andreas Ge	25.39 175	eP	P	20 05 16.9 +0.7
SAO	San Andreas Ge	25.39 175	eP	P	20 05 16.9 +0.7
CCUT	Cedar City	25.45 160	eP	P	20 05 18.1 +1.0
GRZC	Shurtz Canyon	25.45 159	eP	P	20 05 17.8 +0.8
SACU	Grapevine Rang	25.45 167	P	P	20 05 17.9 +1.1
COWI	Conover	25.61 112	eP	P	20 05 18.0 -0.2
TPNV	Topopah Spring	25.63 165	eP	P	20 05 19.4 +0.8
TPNV	Topopah Spring	25.63 165	eP	P	20 05 19.4 +0.8
TPNV	Topopah Spring	25.63 165	eP	P	20 05 19.5 +0.8
PKCU	Pink Cliffs	25.73 158	eP	P	20 05 21.6 +1.9
G40A	Rib Lake	25.80 115	eP	P	20 05 20.7 +0.8
G40A	Rib Lake	25.80 115	P	P	20 05 20.4 +0.4
BGNE	Belgrade	25.91 131	eP	P	20 05 21.0 0.0
BGNE	Belgrade	25.91 131	P	P	20 05 21.8 +0.9
Q24A	Divide	25.91 144	eP	P	20 05 22.9 +1.6
Q24A	Divide	25.91 144	P	P	20 05 21.7 +0.4
CWC	Cottonwood Cre	25.93 169	P	P	20 05 22.1 +0.7
LCMT	Little Creek M	25.99 160	eP	P	20 05 22.6 +0.7
LCMT	Furnace Creek,	26.03 166	eP	P	20 08 51.3 +1.4
KNB	Kanab	26.06 159	eP	P	20 05 22.8 +0.8
KNB	Kanab	26.06 159	eP	P	20 05 23.2 +0.7
KNB	Kanab	26.06 159	eP	P	20 05 23.2 +0.7
KAPO	Kapuskingo Dac	26.12 100	Ph	P	20 05 23.3 +0.6
DAC	Darwin (Calif)	26.14 168	eP	P	20 05 26.1 +2.8
DAC	Darwin (Calif)	26.14 168	eP	P	20 08 52.8 +2.4
DAC	Darwin (Calif)	26.14 168	eP	P	20 08 52.8
SHPR	Sheep Range	26.20 163	eP	P	20 05 25.5 +1.6
E43A	Lone Tree Farm	26.34 109	eP	P	20 05 25.3 +0.5
E43A	Lone Tree Farm	26.34 109	P	P	20 05 24.9 +0.1
MPMC	Manual Propsec	26.37 168	P	P	20 05 26.6 +1.2
PAGB	Antelope Grade	26.48 173	eP	P	20 05 27.2 +1.1
KSCO	Kaye Shedlock	26.59 140	eP	P	20 05 28.8 +1.5
KSCO	Kaye Shedlock	26.59 140	eP	P	20 05 28.4 +1.1
S22A	4UR Ranch, Cre	26.62 148	eP	P	20 05 28.9 +1.2
S22A	4UR Ranch, Cre	26.62 148	P	P	20 05 29.0 +1.2
ISA	Isabella, Lake	26.67 170	eP	P	20 05 28.7 +0.8

ISA	Isabella, Lake	26.67 170	eP	P	20 05 28.7 +0.8
ISA	Isabella, Lake	26.67 170	eP	P	20 05 29.0 +1.0
U15A	North Rim	26.72 158	eP	P	20 05 30.0 +1.4
MVCO	Mesa Verde	26.73 151	eP	P	20 05 29.9 +1.3
MVCO	Mesa Verde	26.73 151	P	P	20 05 29.6 +1.0
I41A	Arkdale	26.92 116	eP	P	20 05 30.2 +0.2
LRMC	Laurel Mtn Rad	26.93 168	eP	P	20 05 31.2 +0.9
SDCO	Great Sand Dun	26.96 146	eP	P	20 05 32.1 +1.4
SDCO	Great Sand Dun	26.96 146	P	P	20 05 31.4 +0.6
TUQ	Turquoise Moun	27.16 165	P	P	20 05 33.9 +1.5
GSC	Goldstone, Bar	27.19 167	eP	P	20 05 34.1 +1.4
GSC	Goldstone, Bar	27.19 167	eP	P	20 05 34.1 +1.4
GSC	Goldstone, Bar	27.19 167	eP	P	20 05 33.3 +0.7
SCIA	State Center	27.33 123	eP	P	20 05 35.4 +1.6
I42A	Draeger Farm,	27.46 115	eP	P	20 05 34.4 -0.5
I42A	Draeger Farm,	27.46 115	P	P	20 05 34.9 +0.1
H43A	Windswept, Lu	27.49 113	eP	P	20 05 35.2 +0.1
H43A	Windswept, Lu	27.49 113	P	P	20 05 35.8 +0.7
EDW2	Edwards Air Fo	27.49 169	P	P	20 05 36.9 +1.6
F45A	CMU Biological	27.53 109	P	P	20 05 35.7 +0.2
E46A	Sault Ste Mari	27.55 106	eP	P	20 05 35.5 -0.2
E46A	Sault Ste Mari	27.55 106	P	P	20 05 35.9 +0.2
D47A	Chapleau	27.58 104	P	P	20 05 36.3 +0.3
LDFC	Landfair	27.61 164	eP	P	20 05 37.8 +1.3
CBKS	Cedar Bluff	27.68 136	eP	P	20 05 35.0 -2.0
CBKS	Cedar Bluff	27.68 136	eP	P	20 05 35.0 -2.0
CBKS	Cedar Bluff	27.68 136	eP	P	20 05 35.0 -2.0
OSI	Osito Audit: C	27.69 170	eP	P	20 05 35.7 -1.4
JFWS	Jewell Farm	27.69 118	eP	P	20 05 36.9 -0.1
JFWS	Jewell Farm	27.69 118	eP	P	20 05 36.9 -0.1
JFWS	Jewell Farm	27.69 118	eP	P	20 05 37.5 +0.5
HEC	Hector, Ludlow	27.71 166	P	P	20 05 38.3 +1.0
W13A	Hualapai Mount	27.77 162	eP	P	20 05 38.2 +0.2
WUAZ	Wupatki	27.77 157	eP	P	20 05 39.3 +1.4
WUAZ	Wupatki	27.77 157	eP	P	20 05 38.7 +0.8
T25A	Trinidad	27.82 145	eP	P	20 05 40.8 +2.4
GMRC	Granite Mount	27.83 165	P	P	20 05 39.9 +1.4
E47A	Iron Bridge	27.95 105	P	P	20 05 39.5 +0.3
G45A	Suttons Bay	27.96 110	eP	P	20 05 41.8 +2.4
L40A	Anamosa	28.00 120	eP	P	20 05 40.4 +0.6
L40A	Anamosa	28.00 120	P	P	20 05 40.6 +0.9
D48A	Paush Townsh	28.09 102	P	P	20 05 41.0 +0.6
MWC	Mount Wilson	28.14 169	eP	P	20 05 42.5 +1.4
MWC	Mount Wilson	28.14 169	eP	P	20 05 42.6 +1.4
BFSO	Mount Baldy R	28.16 168	P	P	20 05 42.8 +1.4
PASC	Padena Art C	28.18 169	eP	P	20 05 43.2 +1.8
MATO	Matagami	28.18 94	P	P	20 05 41.7 +0.4
SCZ2	Santa Cruz Isl	28.24 172	P	P	20 05 43.0 +1.0
BILL	Bilibino	28.43 312	eP	P	20 05 42.8 -0.6
BILL	Bilibino	28.43 312	eP	P	20 05 44.1 +0.7
BILL	Bilibino	28.43 312	eP	P	20 06 32.6
BILL	Bilibino	28.43 312	eP	P	20 09 01.6
E48A	Lockeyer	28.44 104	P	P	20 05 43.5 -0.1
W18A	Petrified Fore	28.48 155	eP	P	20 05 46.0 +1.7
W18A	Petrified Fore	28.48 155	P	P	20 05 45.7 +1.4
KSU1	Kansas State U	28.50 131	eP	P	20 05 42.6 -1.6
I45A	Fountain	28.50 112	eP	P	20 05 45.2 +1.0
I45A	Fountain	28.50 112	P	P	20 05 44.8 +0.6
IRM	Iron Mountain	28.52 164	P	P	20 05 45.8 +1.3
BELC	Belle Mtn, Jos	28.57 166	P	P	20 05 46.1 +1.1
GLMI	Grayling	28.59 109	eP	P	20 05 45.2 +0.2
G47A	Hillman	28.67 107	eP	P	20 05 46.6 +1.0
K43A	Burlington	28.67 116	eP	P	20 05 45.0 -0.7
L42A	Oliver, Polo	28.69 118	eP	P	20 05 44.4 -1.4
F48A	Evansville	28.72 105	P	P	20 05 46.9 +0.7
X16A	Lo Mia Camp, P	28.83 158	eP	P	20 05 48.4 +0.9
PFO	Pinyon Flats O	28.90 167	LR	LR	20 19 18.4
PFO	Pinyon Flats O	28.90 167	eP	P	20 05 48.8 +0.9
PFO	Pinyon Flats O	28.90 167	eP	P	20 05 48.8 +0.9
PFO	Pinyon Flats O	28.90 167	eP	P	20 05 48.4 +0.4
CIS	Catalina Islan	28.92 170	P	P	20 05 48.9 +0.9
BC3	Big Chukawall	28.97 165	P	P	20 05 49.7 +1.1
LSQO	Lebel-sur-Quev	28.98 95	P	P	20 05 48.2 -0.2
SNCC	San Nicolas Is	28.99 172	eP	P	20 05 49.8 +1.1
SNCC	San Nicolas Is	28.99 172	P	P	20 05 50.1 +1.5
Y12C	Blythe	29.00 163	eP	P	20 05 49.8 +0.2
Y12C	Blythe	29.00 163	eP	P	20 08 58.0 +1.0
X18A	Snowflake	29.00 155	eP	P	20 05 51.0 +2.0
F49A	Sandfield	29.04 104	P	P	20 05 49.2 +0.3
Y14A	Wickenburg	29.04 161	eP	P	20 05 50.6 +1.5

E50A	Wahnapiitae	29.14 102	P	P	20 05 50.7 +0.9
H48A	Harrisville	29.27 107	eP	P	20 05 50.7 -0.3
H48A	Harrisville	29.27 107	P	P	20 05 51.1 +0.1
I47A	Gladwin	29.27 110	eP	P	20 05 52.2 +1.2
I47A	Gladwin	29.27 110	eP	P	20 05 51.9 +0.9
L44A	Lake County Fo	29.28 116	P	P	20 05 52.0 +0.9
N41A	Harden Midland	29.29 121	eP	P	20 05 51.3 +0.1
N41A	Harden Midland	29.29 121	P	P	20 05 51.9 +0.7
ANMO	Albuquerque	29.37 149	eP	P	20 05 54.1 +1.9
ANMO	Albuquerque	29.37 149	eP	P	20 08 58.8 +0.5
ANMO	Albuquerque	29.37 149	eP	P	20 18 01.7
ANMO	Albuquerque	29.37 149	eP	P	20 05 54.1 +1.9
ANMO	Albuquerque	29.37 149	eP	P	20 08 59.2 +1.0
ANMO	Albuquerque	29.37 149	eP	P	20 05 54.6 +2.4
ANMO	Albuquerque	29.37 149	eP	P	20 05 53.8 +1.6
VLDQ	Val d'Or	29.43 96	eP	P	20 05 50.9 -1.5
VLDQ	Val d'Or	29.43 96	Ph	P	20 05 51.5 -0.9
CHGO	Chibougamaun	29.61 91	P	P	20 05 53.1 -0.9
MONP2	Monument Peak	29.61 167	P	P	20 05 55.6 +1.2
SWSC	Sam W. Stewart	29.63 166	P	P	20 05 56.3 +2.0
GLA	Glamis	29.65 164	eP	P	20 05 54.8 +0.3
GLA	Glamis	29.65 164	eP	P	20 05 54.8 +0.3
TOBO	Tobermory, Bru	29.68 105	eP	P	20 05 55.1 +0.5
LAZ	Ladron	29.73 151	eP	P	20 05 56.6 +1.2
N43A	Stutzman Famil	29.78 119	eP	P	20 05 56.0 +0.5
BAR	Barrett	29.80 167	eP	P	20 05 57.2 +1.4
D52A					

M49A	Liberty Center	31.55	112	P	P	20 06 11.8	+0.7
ACTO	Acton	31.59	105	P	P	20 06 12.7	+1.1
N48A	Decatur	31.59	114	P	P	20 06 11.9	+0.4
L50A	Kingsville	31.60	110	P	P	20 06 12.0	+0.4
SUMG	Summit	31.60	35	eP	P	20 06 11.4	-0.4
SUMG	Summit	31.60	35	iP	P	20 06 12.6	+0.8
SUMG	Summit	31.60	35	iP	P	20 06 12.6	+0.8
TUL1	Leonard	31.64	133	eP	P	20 06 11.8	-0.2
J52A	Paris	31.70	106	P	P	20 06 12.4	0.0
P46A	Rosedale	31.70	118	P	P	20 06 13.3	+0.8
WMOK	Wichita Mounta	31.72	138	eP	P	20 06 13.7	+1.0
WMOK	Wichita Mounta	31.72	138	eP	P	20 06 13.7	+1.0
WMOK	Wichita Mounta	31.72	138	P	P	20 06 13.4	+0.7
PLVO	Plevna	31.87	100	eP	P	20 06 14.6	+0.6
PLVO	Plevna	31.87	100	P	P	20 06 14.4	+0.5
G55A	Calabogie	31.87	100	P	P	20 06 14.7	+0.7
VABO	Val Des Bois	31.90	98	Pn	P	20 06 14.5	+0.3
N49A	Columbus Grove	31.91	113	P	P	20 06 15.3	+0.9
N49A	Columbus Grove	31.91	113	P	P	20 06 15.2	+0.9
Q45A	Warren Harvey,	31.92	120	P	P	20 06 15.3	+0.8
HHAR	Hobbs	31.96	130	eP	P	20 06 14.2	-0.6
DRWO	Darlington Wes	32.00	103	P	P	20 06 15.6	+0.6
DELO	Deloro Mine	32.01	101	eP	P	20 06 15.6	+0.3
DELO	Deloro Mine	32.01	101	P	P	20 06 14.5	-0.7
O48A	Farmland	32.04	115	P	P	20 06 15.7	+0.2
OLIL	Olney	32.08	120	eP	P	20 06 16.3	+0.4
TYNO	Tyneside	32.08	105	P	P	20 06 16.2	+0.3
TRQ	Mont Tremblant	32.16	96	eP	P	20 06 16.6	0.0
TRQ	Mont Tremblant	32.16	96	Pn	P	20 06 17.3	+0.7
H55A	Tweed	32.19	101	P	P	20 06 16.8	+0.1
319A	Douglas	32.19	156	eP	P	20 06 16.9	-0.2
P47A	Martinsville	32.21	117	P	P	20 06 17.0	0.0
I55A	Frankford	32.22	102	P	P	20 06 17.6	+0.6
ORIO	Orleans, Innes	32.29	98	P	P	20 06 18.1	+0.5
U40A	Yellville	32.30	128	P	P	20 06 17.4	-0.4
BLO	Bloomington	32.36	117	eP	P	20 06 18.3	0.0
BLO	Bloomington	32.36	117	eP	P	20 06 18.3	0.0
O49A	Covington	32.45	114	eP	P	20 06 20.0	+1.0
N50A	Nevada	32.48	112	P	P	20 06 19.7	+0.3
GD12	Guadalupe Moun	32.50	148	eP	P	20 06 20.6	+0.8
S44A	Carbondale	32.51	122	P	P	20 06 19.9	+0.3
P48A	Milroy	32.58	116	eP	P	20 06 20.8	+0.5
P48A	Milroy	32.58	116	P	P	20 06 20.5	+0.2
H56A	Elgin	32.59	100	P	P	20 06 20.6	+0.4
Q47A	Bedord North L	32.60	118	P	P	20 06 19.9	-0.5
M52A	Chesterland	32.65	109	eP	P	20 06 21.8	+0.9
M52A	Chesterland	32.65	109	P	P	20 06 21.8	+0.9
DPQ	Saint Jean	32.66	94	Pn	P	20 06 22.1	+1.3
MEDO	Medina	32.67	104	eP	P	20 06 22.7	+1.7
N51A	Ashland	32.70	111	P	P	20 06 22.3	+1.0
N51A	Ashland	32.70	111	P	P	20 06 21.9	+0.6
MNTX	Cornudas Mount	32.73	149	eP	P	20 06 22.9	+1.3
MNTX	Cornudas Mount	32.73	149	eP	P	20 09 07.9	+1.0
MNTX	Cornudas Mount	32.73	149	P	P	20 06 22.5	+0.8
PECO	Prince Edward	32.75	101	eP	P	20 06 20.9	-0.7
PECO	Prince Edward	32.75	101	P	P	20 06 21.7	+0.1
O50A	Cable	32.79	113	P	P	20 06 22.8	+0.8
L53A	Girard	32.81	107	P	P	20 06 22.9	+0.7
P49A	Miami Univ. Ec	32.83	115	P	P	20 06 22.6	+0.2
PBMO	Poplar Bluff	32.84	125	eP	P	20 06 22.4	-0.2
J55A	Hilton	32.89	103	eP	P	20 06 22.7	-0.2
Q48A	North Vernon	32.90	117	P	P	20 06 23.8	+0.7
USIN	University of	32.92	120	eP	P	20 06 22.2	-1.0
FCAR	Ozark Folk Cen	32.98	128	eP	P	20 06 23.0	-0.7
X37A	Clayton	32.98	133	eP	P	20 06 24.1	+0.3
W39A	Magazine	32.99	130	eP	P	20 06 23.4	-0.5
W39A	Magazine	32.99	130	P	P	20 06 23.7	-0.2
ACSO	Alum Creek Sta	33.00	112	eP	P	20 06 24.8	+0.9
ACSO	Alum Creek Sta	33.00	112	P	P	20 06 23.8	-0.1
CNQ	Bate Cemetau	33.00	86	Pn	P	20 06 27.1	+3.3
K54A	Basiliko Farm,	33.00	105	P	P	20 06 23.9	-0.1
L54A	Sinclairville	33.01	106	P	P	20 06 23.9	-0.2
M53A	WI Miller and	33.04	108	P	P	20 06 24.2	0.0
N52A	McGinn's Farm,	33.09	110	P	P	20 06 24.7	0.0
R47A	Wooly Knot Far	33.10	118	P	P	20 06 24.8	-0.1
ALLY	Alegheny Colle	33.11	107	eP	P	20 06 25.8	+1.0
S46A	Don Dixon Farm	33.14	120	P	P	20 06 25.0	-0.1
P50A	Jamestown	33.16	114	P	P	20 06 25.6	+0.3
A64	Saint Simeon	33.19	90	Pn	P	20 06 27.4	+1.9
A61	Sainte Mathild	33.19	90	Pn	P	20 06 26.3	+0.8
A61	Aurora	33.19	116	P	P	20 06 25.0	+0.4
K55A	Perry	33.19	104	P	P	20 06 25.6	0.0
O51A	Pataskala	33.23	112	P	P	20 06 26.0	0.0
MMNY	Mt. Morris Dam	33.26	104	eP	P	20 06 27.0	+0.9
LONV	Lake Ozonia	33.34	98	eP	P	20 06 27.2	+0.3
LONV	Lake Ozonia	33.34	98	P	P	20 06 27.1	+0.2
ABTX	Abilene, Hawle	33.41	140	eP	P	20 06 27.3	-0.3
ABTX	Abilene, Hawle	33.41	140	P	P	20 06 28.5	+0.9
M54A	Oil Creek Stat	33.44	107	eP	P	20 06 28.4	+0.7
M54A	Oil Creek Stat	33.44	107	P	P	20 06 27.8	0.0
WHAR	Wooly Hollow	33.45	128	eP	P	20 06 28.5	+0.6
L55A	Hinsdale	33.45	105	P	P	20 06 28.0	+0.1
N53A	Lisbon	33.47	109	eP	P	20 06 29.0	+1.0
N53A	Lisbon	33.47	109	P	P	20 06 28.3	+0.2
W41B	Gary Mavity, V	33.57	128	eP	P	20 06 28.3	-0.6
W41B	Gary Mavity, V	33.57	128	P	P	20 06 28.9	0.0
P51A	Williamsport	33.58	113	eP	P	20 06 29.2	+0.3
P51A	Williamsport	33.58	113	P	P	20 06 29.4	+0.4
O52A	Adamsville	33.59	111	eP	P	20 06 29.5	+0.4
O52A	Adamsville	33.59	111	P	P	20 06 29.1	0.0
FRNY	Flat Rock	33.65	97	eP	P	20 06 29.4	-0.1
MIAR	Mount Ida	33.65	131	eP	P	20 06 29.7	+0.1
MIAR	Mount Ida	33.65	131	eP	P	20 06 29.7	+0.1
MIAR	Mount Ida	33.65	131	P	P	20 06 29.8	+0.2
R49A	Shelbyville	33.67	117	eP	P	20 06 29.6	-0.1
Q50A	Georgetown	33.72	115	P	P	20 06 30.3	+0.2
N54A	Monroe State	33.73	108	eP	P	20 06 30.8	+0.5
N54A	Monroe State	33.73	108	P	P	20 06 29.9	-0.3
O53A	New Philadelph	33.76	110	P	P	20 06 30.8	+0.2
Q51A	Peebles	33.84	114	eP	P	20 06 31.7	+0.5
Q51A	Peebles	33.84	114	P	P	20 06 31.6	+0.4
S48A	Wiedeman Farm,	33.84	118	P	P	20 06 31.3	0.0
P52A	Corning	33.86	112	P	P	20 06 31.4	0.0
M55A	Ridgway	33.87	106	P	P	20 06 31.6	+0.1
UALR	University of	33.89	129	eP	P	20 06 30.7	-1.0
MOQ	Mont Orford	33.91	95	eP	P	20 06 31.3	-0.6
MOQ	Mont Orford	33.91	95	Pn	P	20 06 31.2	-0.7
DAG	Danmarks Havn	33.97	23	eP	P	20 06 33.4	+1.5
DAG	Danmarks Havn	33.97	23	P	P	20 06 33.4	+1.5
X40A	Basin Creek Fa	33.97	130	eP	P	20 06 32.2	-0.2
X40A	Basin Creek Fa	33.97	130	P	P	20 06 32.6	+0.2
T47A	Sharon Grove	33.98	120	eP	P	20 06 33.0	+0.5
NCB	Newcomb	34.01	99	eP	P	20 06 32.2	-0.5
S49A	Springfield	34.05	117	P	P	20 06 32.7	-0.4
U46A	Springville	34.09	122	P	P	20 06 34.0	+0.5
M56A	Emporium	34.12	105	P	P	20 06 34.1	+0.4
T48A	Bowling Green	34.17	119	P	P	20 06 34.2	+0.1
O54A	Aveo	34.19	109	P	P	20 06 34.5	+0.2
IVI	Ivigtut	34.22	57	eP	P	20 06 34.7	+0.4
P53A	Whipple	34.31	111	eP	P	20 06 35.8	+0.5
P53A	Whipple	34.31	111	P	P	20 06 35.5	+0.2
N55A	Marion Center	34.32	107	eP	P	20 06 36.3	+0.9
N55A	Marion Center	34.32	107	P	P	20 06 35.7	+0.3
R51A	Hillsboro	34.34	115	P	P	20 06 36.2	+0.7
Q52A	Wild Pasture M	34.36	113	P	P	20 06 36.0	+0.3
WVT	Waverly	34.43	122	eP	P	20 06 36.1	-0.3
WVT	Waverly	34.43	122	eP	P	20 09 09.2	-2.5
WVT	Waverly	34.43	122	P	P	20 06 36.7	+0.3
S50A	Richmond	34.52	116	P	P	20 06 37.3	+0.2
N56A	West Decatur	34.53	106	P	P	20 06 37.1	-0.1
T49A	Edmonton	34.53	118	eP	P	20 06 37.2	0.0
T49A	Edmonton	34.53	118	P	P	20 06 37.6	+0.4
WLAR	White Oak Lake	34.59	131	eP	P	20 06 37.9	+0.1
O55A	Ligonier	34.64	108	P	P	20 06 38.9	+0.6
X43A	Marshall	34.66	127	eP	P	20 06 38.4	0.0
X43A	Marvell	34.66	127	P	P	20 06 38.7	+0.3
WHTX	Lak Whitney,	34.67	138	eP	P	20 06 39.3	+0.7
WHTX	Lak Whitney,	34.67	138	P	P	20 06 39.2	+0.7
Q53A	Leroy	34.77	112	P	P	20 06 39.9	+0.6
V47A	Nunnely	34.82	122	P	P	20 06 39.8	0.0
MCWV	Mont Chateau	34.85	109	eP	P	20 06 40.2	+0.2
MCWV	Mont Chateau	34.85	109	P	P	20 06 40.3	+0.3
LBNH	Lisbon	34.87	96	eP	P	20 06 40.4	+0.2
LBNH	Lisbon	34.87	96	eP	P	20 06 40.4	+0.2
LBNH	Lisbon	34.87	96	P	P	20 06 40.4	+0.2
T50A	Nancy	34.89	117	P	P	20 06 40.4	+0.1
PQI	Presque Isle	34.90	90	eP	P	20 06 41.1	+0.7
O56A	Blue Knob Stat	34.93	107	eP	P	20 06 40.7	0.0
O56A	Blue Knob Stat	34.93	107	P	P	20 06 40.7	0.0
SSPA	Standing Stone	34.94	106	eP	P	20 06 41.0	+0.3
SSPA	Standing Stone	34.94	106	P	P	20 06 40.9	+0.2
Q54A	Coxs Mills	34.97	111	eP	P	20 06 41.4	+0.5
Q54A	Coxs Mills	34.97	111	P	P	20 06 41.3	+0.3
P55A	Reedsville	34.98	109	P	P	20 06 41.2	0.0
N57A	Milroy	34.99	106	P	P	20 06 41.6	+0.4
R53A	Hurricane	35.02	113	eP	P	20 06 41.5	+0.1
CLTN	Ceas of Leba	35.07	120	eP	P	20 06 43.2	+1.3
HNH	Hanover	35.11	97	eP	P	20 06 43.6	+1.4
KSPA	Keystone Colle	35.17	10				

Y49A	Blount Mountain	36.98 122	eP	P	20 06 58.5 +0.2
Y49A	Blount Mountain	36.98 122	P	P	20 06 58.4 +0.1
X51A	Calhoun	36.99 120	eP	P	20 06 58.2 -0.2
X51A	Calhoun	36.99 120	P	P	20 06 58.6 +0.3
LMN	Caledonia Moun	37.02 88	eP	P	20 06 58.9 +0.4
LMN	Caledonia Moun	37.02 88	Ph	P	20 06 59.2 +0.7
HKT	Hockley	37.08 137	eP	P	20 06 59.8 +0.8
HKT	Hockley	37.08 137	eP	P	20 06 59.8 +0.8
R58B	Mineral	37.12 109	eP	P	20 07 00.2 +0.8
R58B	Mineral	37.12 109	P	P	20 06 59.7 +0.3
SCO	Scorebysund	37.13 33	eP	P	20 07 00.8 +1.6
SCO	Scorebysund	37.13 33	eP	P	20 07 00.8 +1.6
SCO	Scorebysund	37.13 33	iP	P	20 07 01.5 +2.3
CBN	Corbin Frederic	37.14 108	eP	P	20 07 01.0 +1.4
V54A	Nebo	37.17 115	P	P	20 07 00.4 +0.5
W53A	Cullowhee	37.17 117	P	P	20 07 00.5 +0.4
Q60A	Greensboro	37.18 106	P	P	20 07 00.1 +0.2
Y50A	Piedmont	37.22 121	P	P	20 07 00.7 +0.4
HPIG	comp=Z,15nm,1.5s	37.24 152	eP	P	20 07 01.1 +0.3
R59A	King George, V	37.26 108	eP	P	20 09 20.7 +0.3
147A	Livingston	37.29 125	eP	P	20 07 01.6 +0.7
147A	Livingston	37.29 125	P	P	20 07 01.7 +0.8
T57A	Hurt	37.31 111	eP	P	20 07 00.7 -0.3
T57A	Hurt	37.31 111	P	P	20 07 01.5 +0.5
S58A	Poland Farm, P	37.33 109	eP	P	20 07 02.0 +0.8
S58A	Poland Farm, P	37.33 109	P	P	20 07 01.9 +0.7
U56A	King	37.36 113	P	P	20 07 02.1 +0.6
V55A	Taylorsville	37.42 114	P	P	20 07 02.6 +0.6
BG3	Lake Jocassee	37.42 117	eP	P	20 07 02.6 +0.6
Y51A	Rockmart	37.48 120	P	P	20 07 02.7 +0.2
TIXI	Tiksi	37.50 330	P	P	20 07 02.8 +0.5
TIXI	Tiksi	37.50 330	eP	P	20 07 02.5 +0.2
TIXI	Tiksi	37.50 330	iP	P	20 07 02.6 +0.3
TIXI	comp=Z,9.0nm,1.3s		MLR	MLR	
Z49A	Columbiana	37.51 123	P	P	20 07 03.0 +0.2
833A	Chaparral WMA,	37.51 143	eP	P	20 07 02.6 -0.2
148A	Greensboro	37.59 124	P	P	20 07 03.7 +0.3
W54A	Cherokee Point	37.66 116	P	P	20 07 04.1 +0.1
T58A	Grand View Acr	37.67 110	P	P	20 07 04.1 0.0
X53A	Estanollee	37.69 118	P	P	20 07 04.6 +0.4
Z50A	Ashland	37.70 122	eP	P	20 07 04.1 -0.3
Z50A	Ashland	37.70 122	P	P	20 07 04.8 +0.4
V56A	Mocksville	37.76 113	eP	P	20 07 05.3 +0.4
V56A	Mocksville	37.76 113	P	P	20 07 05.1 +0.2
Y52A	Lilburn	37.92 119	eP	P	20 07 06.9 +0.6
Y52A	Lilburn	37.92 119	P	P	20 07 06.8 +0.5
149A	Jones	37.93 123	P	P	20 07 07.0 +0.6
Z51A	Franklin	37.95 121	P	P	20 07 07.1 +0.7
DRLN	Deer Lake	37.96 78	eP	P	20 07 07.6 +1.2
DRLN	Deer Lake	37.96 78	Ph	P	20 07 08.1 +1.7
KM5C	Kings Mountain	37.97 115	eP	P	20 07 05.7 -1.0
SPA0	Spitsbergen Ar	37.98 12	eP	P	20 07 05.5 -0.8
V57A	Coltrane Farms	38.01 113	P	P	20 07 07.2 +0.3
X54A	Belton	38.04 117	P	P	20 07 07.7 +0.4
PAULI	Pauline	38.04 116	eP	P	20 07 06.9 -0.3
T59A	Double "B" Far	38.08 109	eP	P	20 07 07.3 -0.3
T59A	Double "B" Far	38.08 109	P	P	20 07 07.5 0.0
U58A	Oxford	38.12 111	P	P	20 07 08.4 +0.5
Y53A	Monroe	38.13 119	P	P	20 07 08.5 +0.5
150A	Eclectic	38.23 123	P	P	20 07 09.2 +0.4
W56A	Indian Trail	38.30 114	P	P	20 07 09.5 +0.1
T60A	Surry	38.31 108	eP	P	20 07 10.1 +0.7
T60A	Surry	38.31 108	P	P	20 07 09.5 0.0
S61A	Accomac	38.34 107	eP	P	20 07 10.3 +0.6
HODGE	Hodges	38.36 117	eP	P	20 07 09.6 -0.3
Z52A	Williamson	38.37 120	P	P	20 07 10.5 +0.5
V58A	Windy Hill, Pi	38.38 112	P	P	20 07 09.6 -0.4
X55A	Gracelyn & Ava	38.42 116	P	P	20 07 10.6 +0.2
U59A	Littleton	38.49 110	eP	P	20 07 10.6 -0.4
U59A	Littleton	38.49 110	P	P	20 07 11.1 +0.1
HAL	Halifax	38.49 88	eP	P	20 07 10.5 -0.5
HAL	Halifax	38.49 88	eP	P	20 07 10.5 -0.5
Y54A	Tignall	38.50 118	P	P	20 07 11.2 +0.2
W57A	Gilead	38.54 113	eP	P	20 07 11.1 -0.3
W57A	Gilead	38.54 113	P	P	20 07 11.4 0.0
GOGA	Godfrey	38.56 119	eP	P	20 07 12.0 +0.4
GOGA	Godfrey	38.56 119	eP	P	20 07 12.0 +0.4
GOGA	Godfrey	38.56 119	P	P	20 07 11.7 0.0
Z53A	Monticello	38.63 119	P	P	20 07 12.5 +0.3
152A	Waverly Hall	38.70 121	eP	P	20 07 12.8 -0.1
152A	Waverly Hall	38.70 121	P	P	20 07 13.1 +0.3
MA2	Magadan	38.72 306	P	P	20 07 13.5 +0.8
MA2	comp=Z,3.3nm,0.4s,baz=7.6,slo=15,SNR=2.9		LR	LR	20 24 20.8

MA2	Magadan	38.72 306	eP	P	20 07 14.0 +1.3	
MA2	Magadan	38.72 306	iP	P	20 07 12.8 +0.1	
J5C	Jenkinsville	38.74 116	eP	P	20 07 13.7 +0.6	
J5C	Jenkinsville	38.74 116	eP	P	20 07 13.7 +0.6	
BIRD	Birdtown, Kers	38.77 114	eP	P	20 07 13.4 +0.1	
Y55A	Saluda	38.78 117	P	P	20 07 13.5 0.0	
V59A	Middlesex	38.78 111	P	P	20 07 13.5 0.0	
349A	Repton	38.88 125	P	P	20 07 14.8 +0.4	
GBN	Guysborough	38.90 86	eP	P	20 07 15.3 +1.0	
Z51A	Midway	38.93 122	P	P	20 07 15.2 +0.5	
Z54A	Sparta	38.97 118	P	P	20 07 15.5 +0.4	
W58A	Raeeford	38.98 113	P	P	20 07 15.6 +0.5	
BRAL	Breton	39.10 125	eP	P	20 07 17.3 +1.2	
U61A	Possum Corner	39.10 109	eP	P	20 07 16.7 +0.5	
V60A	Jim Taylor Roa	39.22 110	eP	P	20 07 18.4 +1.4	
V60A	Jim Taylor Roa	39.22 110	P	P	20 07 17.4 +0.4	
Z55A	Blythe	39.28 117	P	P	20 07 18.1 +0.4	
X58A	Rowland	39.33 113	eP	P	20 07 19.4 +1.4	
X58A	Rowland	39.33 113	eP	P	20 07 18.2 +0.2	
CNCC	Cliffs of the	39.38 111	eP	P	20 07 18.9 +0.4	
CNCC	154A	Montrose	39.41 119	eS	S	20 13 23.3 +3.2
253A	Americus	39.47 121	eP	P	20 07 18.7 0.0	
450A	Crestview	39.60 125	P	P	20 07 21.1 +0.8	
352A	Blakely	39.66 122	eP	P	20 07 20.8 0.0	
352A	Blakely	39.66 122	P	P	20 07 21.3 +0.5	
155A	Kite	39.66 118	P	P	20 07 21.1 +0.3	
Y58A	Scranton	39.74 114	eP	P	20 07 22.2 +0.8	
Y58A	Scranton	39.74 114	P	P	20 07 21.6 +0.2	
Z57A	Bowman	39.82 116	P	P	20 07 22.4 +0.3	
Z54A	Abbeville	39.91 120	P	P	20 07 23.2 +0.3	
JMIC	Jan Mayen	39.96 27	LR	LR	20 24 21.3	
PET	Petropavlovsk-	39.97 294	eP	P	20 07 23.8 +0.6	
PET	Petropavlovsk-	39.97 294	eP	P	20 07 23.8 +0.6	
353A	Camilla	40.06 121	P	P	20 07 24.5 +0.4	
452A	Marianna	40.12 123	P	P	20 07 24.8 +0.2	
Z58A	St. Stephen	40.16 115	P	P	20 07 25.5 +0.5	
TIGA	Tifton	40.23 121	eP	P	20 07 25.0 0.0	
255A	Hazlehurst	40.26 119	eP	P	20 07 26.9 +1.1	
255A	Hazlehurst	40.26 119	P	P	20 07 25.8 0.0	
Y60A	Bolivia	40.28 112	eP	P	20 07 26.6 +0.7	
PEA0B	Petropavlovsk-	40.32 294	eP	P	20 07 26.6 +0.4	
PETK	Petropavlovsk-	40.32 294	P	P	20 07 26.5 +0.3	
453A	Whigham	40.45 122	P	P	20 07 27.5 +0.1	
453A	Whigham	40.45 122	P	P	20 07 27.6 +0.1	
552A	Lynn Haven	40.71 123	P	P	20 07 30.2 +0.6	
LNIG	Linares	40.73 144	eP	P	20 07 29.8 0.0	
454A	Quitman	40.85 121	P	P	20 07 31.1 +0.4	
455A	St. Ann	41.07 120	P	P	20 07 32.9 +0.4	
BORG	Borgarnes	41.25 39	LR	LR	20 24 11.9	
554A	Perry	41.39 122	P	P	20 07 35.6 +0.5	
555A	McAlpin	41.65 121	eP	P	20 07 38.4 +1.2	
ZAIG	Zacatecas	41.97 149	eP	P	20 07 39.4 -0.9	
556A	Lake Butler	41.98 120	P	P	20 07 40.7 +0.8	
557A	Orange Park	42.24 119	eP	P	20 07 42.4 +0.2	
656A	Williston	42.48 121	eP	P	20 07 44.7 +0.6	
SKR	Sevo-Kuril's	42.75 293f	P	P	20 07 48.3 +2.3	
757A	Oxford	43.05 121	P	P	20 07 49.8 +0.7	
DWPF	Disney Wildern	44.04 120	P	P	20 07 57.6 +0.9	
YAK	Yakutsk	44.24 320	eP	P	20 07 57.8 -0.1	
YAK	Yakutsk	44.24 320	eP	P	20 07 57.8 -0.1	
LOF	Lofoten	46.58 20	eP	P	20 08 16.0 -0.4	
ARA0	ARCESS Array S	46.94 14	eP	P	20 08 50.9 -0.6	
ARCES	ARCESS Array S	46.94 14	eP	P	20 08 19.1 -0.1	
ARCES	comp=Z,5.0nm,0.7s,baz=355,slo=8.2,SNR=10		P	P	20 09 50.9 -0.6	
ARCES	comp=Z,3.0nm,0.6s,baz=347,slo=5.0,SNR=3.6		LR	LR	20 28 47.6	
ARE0	ARCESS Array S	46.94 14	eP	P	20 08 19.2 0.0	
ARE0	ARCESS Array S	46.94 14	eP	P	20 08 18.2 -1.0	
KTK1	Kautokeino	47.16 15	eP	P	20 08 21.2 +0.3	
NKL	Nikolayevsk	47.24 305	eP	P	20 08 21.2 -0.5	
KONS	Konsvik	47.99 21	eP	P	20 08 26.1 -1.2	
TYV	Timovskoe	48.23 302	eP	P	20 08 29.5 +0.1	
TYV	comp=Z,10.0nm,1.1s		P	P	20 08 57.9 +0.9	
MORR	Moi Rana	48.51 21	eP	P	20 08 31.9 +0.5	
TEIG	Teipich	48.60 133	eP	P	20 08 33.4 +0.7	
LVZ	Lovozero	49.43 10	eP	P	20 08 38.5 0.0	
LVZ	Lovozero	49.43 10	eP	P	20 08 38.5 0.0	
NSS	Namsos	49.57 23	eP	P	20 08 38.2 -1.3	
APA	Apatity	49.65 11	iP	P	20 08 51.9 +1.2	
APA	comp=Z,8.0nm,1.0s		MLR	MLR		
AKN	Aaknes	50.69 27	eP	P	20 08 48.8 +0.7	
GRNR	Gornyy	50.74 306	eP	P	20 08 48.1 -0.5	
GRNR	comp=Z,7.0nm,1.0s		P	P	20 08 52.0 +0.7	
CCIG	Comitan	51.02 139	eP	P		

DOMB	Dombas	51.25 26	eP	P	20 08 52.7 +0.4
YSS	Yuzh-Sakhalins	51.27 299	eP	P	20 08 52.7 +0.1
YSS	Yuzh-Sakhalins	51.27 299	eP	P	20 08 52.9 +0.3
YSS	comp=Z,19nm,1.0s		e	e	20 08 56.0
YSS	comp=Z,30nm,0.7s		e	e	20 09 01.3
ZE	NORSAR Array S	51.63 314	eP	P	20 09 00.5 +5.2
NC204	NORSAR Array S	52.29 26	eP	P	20 09 00.6 +0.5
SKAR	Skarslia	52.32 27	eP	P	20 09 00.8 +0.5
NC303	NORSAR Array S	52.46 25	eP	P	20 09 01.9 +0.6
NB000	NORSAR Array S	52.52 26	eP	P	20 09 02.3 +0.5
NB2	NORSAR Subarra	52.60 25	P	P	20 09 02.5 +0.1
NB2	NORSAR Subarra	52.60 25	P	P	20 09 02.5 +0.1
NOA	NORSAR Array B	52.60 25	P	P	20 09 02.8 +0.4
NB201	NORSAR Array S	52.61 25	eP	P	20 09 02.8 +0.3
NC405	NORSAR Array S	52.63 25	eP	P	20 09 02.8 +0.2
ODD1	Odota	52.64 29	eP	P	20 09 03.4 +0.7
NA001	NORSAR Array S	52.71 26	eP	P	20 09 04.1 +0.9
NC602	NORSAR Array S	52.94 25	eP	P	20 09 05.5 +0.6
NC602	NORSAR Array S	52.94 25	eP	P	20 09 05.4 +0.6
BL5S	Blasjo	53.04 29	eP	P	20 09 06.5 +0.9
KONO	Kongsberg	53.53 27	eP	P	20 09 09.2 0.0
KONO	Kongsberg	53.53 27	dIP	P	20 09 10.2 +1.0
KONO	comp=Z,12nm,1.0s		P	P	20 09 10.3 +0.2
ASAJ	Asahikawa	53.62 297	P	P	20

12d 20h

Table with columns: TIP, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Timpagrande, Naichik, Bishkek, etc.

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Table with columns: PPT, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Papeete, Guiyang, Kabul, etc.

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Table with columns: ELK, TPNV, FINES, JMIC, TORD, CFA, LPAZ, Station Name, Azimuth, Elevation, SNR, and other parameters.

NEIC 12 20:05:23.0.2.7, 16.93Sx173.33E, h33km, 5.6km, mb4.6/12, Error ellipse: s-maj=23.2km s-min=17.1km az=124.0

ISCJB 12 20:05:27.1.1.1, 17.75S.0.1x173.0E.0.1, h33km, mb4.5/13, MS4.0/17, Error ellipse: s-maj=20.8km s-min=16.0km

IDC 12 20:05:27.2.1.5, 17.41S:172.72E, h0km, mb4.3/4, mb1.4/4.5, mb1mx3.9/3.7, mbtmp4.3/5, ML3.4/1, MS3.9/16, Ms1.3/9.16, ms1mx3.8/2.1, Error ellipse: s-maj=44.6km s-min=29.2km az=152.0

ISC 12 20:05:30.9.0.7, 17.85S:0.1x172.9E:0.1, h35km, n47, c211/29, mb4.5/13, MS4.0/17, Vanuatu Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Mare, Loyalty, Pines Island, etc.

IDC 12 20:13:30.5.2.0, 4.60N:123.41E, h0km, mb3.7/3, mb1.3/9.3, mb1mx3.4/4.4, mbtmp3.7/3, Error ellipse: s-maj=212.6km s-min=28.0km az=63.0

MAN 12 20:13:36.0.5.46N:124.94E, h26km, MS3.7, ISC 12 20:13:32.1.2.1, 5.27N:0.0x172.92E:0.07, h17km, 13km, n12, c092/20, mb3.6/3, 4C, Mindanao

12d 23h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

CRAAG 12:21:19.01.8,36:80N:5:23E, M12.8
ISCJB 12:21:19.04.6,0.5,36:98N:0:03:5:42E:0:05, h18km, Error
ellip: s-maj=5.9km s-min=3.3km az=147.9

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

IDC 12:21:23.11.0.1,4,27:28N:55:04E, h0km, mb3.5/8,
mb1 3.6/1.1, mb1mx3.4/5.2, mbtmp3.5/1.1, ML3.4/3, Error
ellip: s-maj=28.1km s-min=21.4km az=175.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

WEL 12:21:52:07.5,36:S:11:17:18'E, h214km,9km, M3.5/34,
ML4.1/3, MLV3.5/34, Error ellip: s-maj=0.0km
s-min=0.0km az=2.4, Off east coast of Northern Island

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

IDC 12:22:39:00.3,2.7,6:68S:128:59E, h0km, mb4.2/1,
mb1 4.3/3, mb1mx3.6/2.6, mbtmp3.1/3, ML4.0/2, Error
ellip: s-maj=302.8km s-min=30.1km az=67.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB05, PB04, PB04, etc.

CRAAG 12:23:08:34.1, 36:34N:3:26E, M13.0
MDD 12:23:08:35.9, 0.7, 36:37N:3:56E, h0km, mb3.7/17, Error
ellipse: s-maj=8.7km s-min=5.5km az=90.0, PRXIMO

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

NIED 12:23:27:00, 42:70N:139:40E, h5km, Mw3.4 Best double
couple: Mb1.36000+0.014, Np1.3206, 0.0000, 3.1, 0.0000,
1.123, 0.0000, Np2.350, 0.0000, 8.65, 0.0000, 1.72, 0.0000

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

ISC/JB 12:23:53:12.5, 0.6, 26:97N:0:08:140:7E:0.1, h450km,
mb3.6/17, Error ellipse: s-maj=15.4km s-min=9.9km

JMA 12:23:53:14.0, 0.2, 27:23N:141:15E, h448km, 3km, M4.0
IDC 12:23:53:14.9, 2.1, 26:95N:140:36E, h452km, 2km, Mb0.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBJJ, CBJJ, JHH2, etc.

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

ISC/JB 13:00:03:54.3, 0.1, 21:36S:0:02:178:93W:0.04, h500km,
mb4.4/120, Error ellipse: s-maj=5.7km s-min=2.5km
az=17.1

BUI 13:00:03:55.0, 0.0, 21:40S:178:90W, h499km, mb4.6/13,
mb4.9/8
NEIC 13:00:03:55.6, 1.6, 21:34S:178:90W, h508km, 7km,
mb4.5/4, Error ellipse: s-maj=17.8km s-min=13.3km
az=125.0

IDC 13:00:03:59.9, 2.1, 21:49S:179:00W, h554km, 23km,
mb3.7/17, mb1.3/9/18, mb1mx3.8/30, mbtmp4.6/18, Error
ellipse: s-maj=13.9km s-min=12.1km az=136.0

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

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

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

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

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

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

ISC/JB 13:00:03:54.3, 0.1, 21:36S:0:02:178:93W:0.04, h500km,
mb4.4/120, Error ellipse: s-maj=5.7km s-min=2.5km
az=17.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOHN, BB00, AS31, etc.

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

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

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

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

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

13d Oh

Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like SHPR Sheep Range, W13A Hualapai Mount, Y14A Wickenburg, etc.

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Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like MLR Muntele Rosu, OSTC Ostas, OKC Ostrava-Krasne, etc.

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Table with columns: Code, Station Name, Az, El, Op, P, Time, Res. Includes stations like M4.1 (THR), After THR, MOS 13:00:52:59.1, 1.2, 27:17N:55:10E, etc.

KBL	Kabul	14.04	55	ePn	Pn	00 56 16.9	-0.6
KBL	Kabul	14.04	55	eP	Pn	00 56 16.9	-0.6
SRTM	Siirt_Merkez	15.36	317	iP	Pn	00 56 31.1	-4.3
AKT	Akhty	15.40	339	eP	P	00 56 41.5	+1.0
AKT	Akhty	15.40	339	eS	P	00 59 37.0	-5.8
AKT	Akhty	15.40	339	eS	P	00 56 41.5	+1.0
AKT	Akhty	15.40	339	eS	P	00 59 37.0	-5.8
AKT	Akhty	15.40	339	eS	P	00 56 41.5	+1.0
AKT	Akhty	15.40	339	eS	P	00 59 37.0	-5.8
GNI	Garni	15.43	329	P	P	00 56 41.3	+0.5
GNI	Garni	15.43	329	P	P	01 03 56.8	
GNI	Garni	15.43	329	ePn	Pn	00 56 31.8	-4.5
GNI	Garni	15.43	329	P	P	00 56 42.4	+1.6
GNI	Garni	15.43	329	P	P	00 56 44.5	+3.7
MARD	Mardin	15.66	313	iP	P	00 56 42.9	-0.5
MARD	Mardin	15.66	313	iP	P	00 56 42.9	-0.5
DAMY	Dhamar	16.06	220	ePn	Pn	00 56 45.2	+0.5
EATA	Eleskirt	16.33	324	iP	P	00 56 50.5	-0.5
EATA	Eleskirt	16.33	324	iP	P	00 56 50.5	-0.5
CHGR	Chuyangarr	16.39	43	ePn	Pn	00 56 46.2	-2.5
ASF	Jabal al Asfar	16.50	292	P	Pn	00 56 50.9	+0.9
ASF	Jabal al Asfar	16.50	292	P	Pn	00 59 41.4	-12
HANI	Diyarbakir_Han	16.56	316	iP	P	00 56 54.5	+1.2
HANI	Diyarbakir_Han	16.56	316	iP	P	00 56 54.5	+1.2
GAR	Garm	17.32	44	eP	Pn	00 56 59.5	-0.8
GAR	Garm	17.32	44	eP	Pn	00 56 59.5	-0.8
DAGI	Agillar	17.52	325	iP	P	00 57 05.5	+1.6
DAGI	Agillar	17.52	325	iP	P	00 57 05.5	+1.6
DBAD	Bademkaya	17.59	325	iP	Pn	00 57 04.0	+0.4
DBAD	Bademkaya	17.59	325	iP	Pn	00 57 04.0	+0.4
GROC	Groznyy	17.59	337	eS	Pn	00 57 06.0	+1.5
GROC	Groznyy	17.59	337	eS	Pn	01 00 21.1	+1.7
GROC	Groznyy	17.59	337	eS	Pn	00 57 06.0	+1.5
EIL	Elat	17.83	282	P	P	00 57 07.9	+0.6
MMAI	Mount Meron Arr	17.92	293	P	P	00 57 08.8	+0.5
MMAI	Mount Meron Arr	17.92	293	P	P	01 05 44.1	
ZEI	Tsey	17.95	333	eP	P	00 57 10.1	+1.3
ZEI	Tsey	17.95	333	eP	P	00 57 10.1	+1.3
KEMA	Kemaliye	18.27	315	iP	P	00 57 14.3	+2.2
KEMA	Kemaliye	18.27	315	iP	P	00 57 14.3	+2.2
BTK	Batken	18.28	42	eP	Pn	00 57 12.7	+0.6
BTK	Batken	18.28	42	eP	Pn	00 57 12.7	+0.6
NCK	Nalchik	18.66	333	eP	Pn	00 57 18.5	+1.8
NCK	Nalchik	18.66	333	eP	Pn	00 57 18.5	+1.8
NEY	Neytrino	18.82	331	iP	P	00 57 21.0	+2.2
NEY	Neytrino	18.82	331	iP	P	00 57 21.0	+2.2
SUSE	Susehri	19.01	317	iP	P	00 57 23.9	+2.8
SUSE	Susehri	19.01	317	iP	P	00 57 23.9	+2.8
CUZAR	Zara_SIVAS	19.08	316	iP	Pn	00 57 25.5	+3.6
KBZ	Khabaz	19.14	332	P	Pn	00 57 23.1	+0.6
KBZ	Khabaz	19.14	332	P	Pn	01 06 27.2	
KVAR	Kislovodsk Arr	19.41	332	P	Pn	00 57 26.5	+0.7
KIV	Kislovodsk	19.41	332	eP	P	00 57 25.3	+0.6
KIV	Kislovodsk	19.41	332	eP	P	00 57 26.2	+0.3
KIV	Kislovodsk	19.41	332	eP	P	00 57 26.2	+0.3
CSS	Mathiatis	20.09	298	eP	P	00 57 32.5	+0.5
GOF	Goftskoye	20.19	335	eP	P	00 57 28.4	-4.7
KK31	Karatay Array	20.19	34	eP	P	00 57 34.0	+0.9
KK31	Karatay Array	20.19	34	eP	P	00 57 34.0	+0.9
KKAR	Karatay Array	20.19	34	eP	P	00 57 33.8	+0.7
KKAR	Karatay Array	20.19	34	eP	P	00 57 33.8	+0.7
KIRS	Kirehir-Merke	21.22	309	iP	P	00 57 45.1	+0.8
KIRS	Kirehir-Merke	21.22	309	iP	P	00 57 45.1	+0.8
BR101	Keşkin Array S	21.69	310	eP	P	00 57 49.4	-0.1
BR131	Keşkin Array S	21.69	310	eP	P	00 57 49.5	0.0
BRTR	Keşkin Array B	21.69	310	eP	P	00 57 49.4	-0.1
BRTR	Keşkin Array B	21.69	310	eP	P	00 57 51.2	+1.7
AAK	Ala-Archa	22.05	41	eP	P	00 57 53.8	+0.5
AAK	Ala-Archa	22.05	41	eP	P	00 57 53.7	+0.3
AAK	Ala-Archa	22.05	41	eP	P	00 57 54.0	+0.6
AB31	Akbulak array	22.29	8	iP	P	00 57 54.9	-0.7
AB31	Akbulak array	22.29	8	iP	P	00 57 55.1	-0.5
ABKAR	Akbulak array	22.29	8	eP	P	00 57 58.9	+2.8
ILGA	Ilgaz	22.30	314	eP	P	00 57 58.8	+2.5
ANTO	Ankara	22.33	310	eP	P	00 57 58.8	+2.5
ANTO	Ankara	22.33	310	eP	P	00 57 59.1	+2.8
BOOM	Boomsokoye ush	22.82	43	eP	P	00 58 01.9	+0.3
BOOM	Boomsokoye ush	22.82	43	eP	P	00 58 01.9	+0.3
AKTO	Aktubinsk	23.25	5	P	P	00 58 05.1	-0.7
AKTO	Aktubinsk	23.25	5	P	P	01 08 24.2	
AKTO	Aktubinsk	23.25	5	P	P	00 58 05.9	+0.1
AKTO	Aktubinsk	23.25	5	P	P	00 58 21.1	-0.3
OTUK	Ortayu	24.91	28	P	P	00 58 36.9	-1.4
OTUK	Ortayu	24.91	28	P	P	00 58 36.9	-1.4
VSR	Storzhevoye	26.78	338	eP	P	00 58 38.8	-0.9
VSR	Storzhevoye	26.78	338	eP	P	00 58 49.1	-0.4
IDI	Anoyia	26.91	295	P	P	00 58 49.1	-0.4
LPSR	Galich'ya Gora	28.03	339	eP	P	00 58 50.8	+0.2
LPSR	Galich'ya Gora	28.03	339	eP	P	00 58 50.8	+0.2
BRVK	Borovoye	28.16	20	eP	P	00 58 50.8	+0.2
BRVK	Borovoye	28.16	20	eP	P	00 58 50.8	+0.2

BVAR	Borovoye Array	28.16	20	P	P	00 58 50.5	-0.2
MK32	Makanchi Array	28.86	40	eP	P	00 58 57.8	-0.3
MKAR	Makanchi Array	28.86	40	eP	P	00 58 57.8	-0.3
ARU	Arti	29.26	4	LR	LR	01 12 39.6	
ARU	Arti	29.26	4	LR	LR	00 59 00.2	-0.1
ARU	Arti	29.26	4	LR	LR	00 59 51.3	
ARU	Arti	29.26	4	LR	LR	01 03 56.2	+3.2
ARU	Arti	29.26	4	LR	LR	01 05 23.5	+5.2
KURBB	Kurchatov Array	29.40	31	P	P	00 59 00.8	-0.8
MLR	Muntele Ros	29.43	316	P	P	00 59 03.4	+1.3
MLR	Muntele Ros	29.43	316	P	P	00 59 02.8	+0.6
KURK	Kurchatov	29.50	31	eP	P	00 59 01.5	-1.1
KURK	Kurchatov	29.50	31	eP	P	00 59 09.8	-2.0
AKASG	Malin Array Be	30.55	327	P	P	00 59 12.2	+0.4
AKASG	Malin Array Be	30.55	327	P	P	00 59 12.2	+0.4
OBN	Obninsk	30.91	339	eP	P	00 59 13.3	-1.6
OBN	Obninsk	30.91	339	eP	P	00 59 17.1	+2.2
OBN	Obninsk	30.91	339	eP	P	01 04 12.5	
OBN	Obninsk	30.91	339	eP	P	01 04 12.7	-6.2
OBN	Obninsk	30.91	339	eP	P	00 59 16.6	+0.2
WMQ	Urumqi	31.04	49	eP	P	00 59 19.9	+0.3
WMQ	Urumqi	31.04	49	eP	P	00 59 19.9	+0.3
WMQ	Urumqi	31.04	49	eP	P	00 59 16.6	+0.2
WMQ	Urumqi	31.04	49	eP	P	00 59 19.9	+0.3
KOLS	Kolonick sedl	32.27	319	eP	P	00 59 36.2	+0.4
KOLS	Kolonick sedl	32.27	319	eP	P	00 59 45.3	+1.0
ZALV	Zalesovo Beam	34.49	31	P	P	00 59 45.9	-0.4
ZALV	Zalesovo Beam	34.49	31	P	P	00 59 49.0	-1.2
IGIN	Ignalina	34.97	331	eP	P	00 59 50.0	-0.5
IGIN	Ignalina	34.97	331	eP	P	00 59 53.5	
VYHS	Vyhne	35.11	317	eP	P	00 59 53.0	+1.2
VYHS	Vyhne	35.11	317	eP	P	00 59 53.0	+1.2
IZAR	Zarasai	35.23	332	eP	P	00 59 52.0	-0.6
IZAR	Zarasai	35.23	332	eP	P	00 59 55.8	
MORC	Moravsky Berou	36.41	318	eP	P	01 00 00.6	-2.4
MORC	Moravsky Berou	36.41	318	eP	P	01 00 00.6	-2.4
VSU	Vasula	36.91	335	eP	P	01 00 06.5	-0.5
VSU	Vasula	36.91	335	eP	P	01 00 09.8	
VSU	Vasula	36.91	335	eP	P	01 00 05.8	-1.2
VSU	Vasula	36.91	335	eP	P	01 00 07.6	-0.2
AQU	L'Aquila	36.97	305	eP	P	01 00 07.6	-0.2
AQU	L'Aquila	36.97	305	eP	P	01 00 07.6	-0.2
MOA	Molin	37.74	314	eP	P	01 00 15.3	+1.1
KBA	Koblenz	38.10	313	eP	P	01 00 18.8	+1.2
GERES	GERESS Array B	38.41	315	P	P	01 00 18.7	-1.3
GERES	GERESS Array B	38.41	315	P	P	01 09 24.6	
GERES	GERESS Array B	38.41	315	P	P	01 01 54.3	
GERES	GERESS Array B	38.41	315	P	P	01 00 18.6	-2.8
KHC	Kasperske Hory	38.58	316	eP	P	01 00 20.0	-1.4
KHC	Kasperske Hory	38.58	316	eP	P	01 00 20.0	-1.4
KHC	Kasperske Hory	38.58	316	eP	P	01 00 26.1	+1.3
GTA	Gaotai	38.95	60	eP	P	01 00 30.1	+0.8
GTA	Gaotai	38.95	60	eP	P	01 00 33.1	+5.1
WTTA	Wattenberg	39.28	312	iP	P	01 00 27.4	0.0
FIAO	FINESS Array S	39.30	338	eP	P	01 00 26.3	-0.9
FIAO	FINESS Array S	39.30	338	eP	P	01 00 26.3	-0.9
FIAO	FINESS Array S	39.30	338	eP	P	01 00 26.3	-0.9
FIAO	FINESS Array S	39.30	338	eP	P	01 00 26.3	-0.9
WATA	Walderalm	39.54	312	iP	P	01 00 25.9	-1.9
SQTA	Sankt Quirin	39.93	312	eP	P	01 00 27.8	-1.8
KEST	Kesra	39.98	294	P	P	01 00 30.5	+0.6
MOTA	Moosalm	39.65	312	eP	P	01 00 28.8	-1.6
CLL	Collm	39.67	319	eP	P	01 00 28.9	-1.5
CLL	Collm	39.67	319	eP	P	01 00 31.4	+1.0
CLL	Collm	39.67	319	eP	P	01 00 31.4	+1.0
CLL	Collm	39.67	319	eP	P	01 02 22.0	
FETA	Feichten	39.82	312	eP	P	01 00 30.2	-1.7
DAVA	Damuels	40.44	312	iP	P	01 00 35.3	-1.7
TUE	Stuetta	40.62	311	eP	P	01 00 36.5	-2.2
LZH	Lanzhou	42.09	65	eP	P	01 00 50.0	-0.8
LZH	Lanzhou	42.09	65	eP	P	01 00 53.2	-0.9
LZH	Lanzhou	42.09	65	eP	P	01 00 54.8	-0.6
LZH	Lanzhou	42.09	65	eP	P	01 02 31.3	+3.2
LZH	Lanzhou	42.09	65	eP	P	01 00 50.0	-0.8
BNI	Bardonecchia	42.22	308	eP	P	01 00 50.1	-1.5
ECH	Echery	42.44	313	eP	P	01 00 49.9	-3.4
ECH	Echery	42.44	313	eP	P	01 00 49.9	-3.4
ECH	Echery	42.44	313	eP	P	01 00 49.9	-3.4
CD2	Chengdu	42.47	73	eP	P	01 00 53.0	-0.8
NC40S	NORSAR Array S	44.74	332	eP	P	01 01 08.6	-1.4
SONAO	Songino Array	44.67	48	e			

1.1nm,0.8s,baz=95,slow=4.6,SNR=3.8
TXAR Lajitas Array 144.84 46 PKP
1.2nm,0.6s,baz=251,slow=1.2,SNR=19

ISCJB 13 01:10:46.0,4.6,6.96S;0.06:108.72E;0.03,h33km,
mb4.4/9,MS3.6/16,Error ellipse: s-maj=8.2km
s-min=1.6,1km az=16.1
DJA 13 01:10:45.5,0.2,7.5;3.1x10.9E, h10km,M4.6/15,mb4.4/2,
mb4.9/1,MLV4.7/15,MW(MB)A,2/1
IDC 13 01:10:48.5,2.0,7.29S;108.53E,h55km,20km,mb3.7/8,
mb1.3/9,mb1mx3.5/43,mbt3.4/0.8,MS3.6/16,
Ms1.3/6.16,ms1mx3.5/35,Error ellipse: s-maj=35.3km
s-min=14.9km az=53.0

Table with columns: Code, Station Name, Delta Az, Phase ID, Time Res, ISC, h m s, ISC. Lists various stations like JCI, Cisi, LEM, WRA, etc.

ISK 13 01:15:21.6,38.70N;43.17E,h5km,ML2.2/6
DDA 13 01:15:22.6,38.69N;43.16E,h7km,1km,ML2.5
ISC 13 01:15:23.0,1.0,38.69N;0.03:43.16E;0.03,h20km,3km,
n15,-0.957/23,Turkey

Table with columns: Code, Station Name, Delta Az, Phase ID, Time Res, ISC, h m s, ISC. Lists stations like VANB, TVAN, ERCIS-VAN, etc.

IDC 13 01:18:27.1,1.9,6.82S;129.79E,h0km,mb3.5/1,
mb1.3/7.4,mb1mx3.4/32,mbt3.5/4,ML3.6/3,Error
ellipse: s-maj=76.4km s-min=29.3km az=80.0, Banda
Sea

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

1.1nm,0.3s,baz=345,slow=21,SNR=19
ASAR Alice Springs 17.21 167 Pn
0.1nm,0.3s,baz=342,slow=8.9,SNR=9.6
ASAR 0.2nm,0.3s,baz=356,slow=27,SNR=7.0
MKAR Makanchi Array 67.96 327 P
0.3nm,0.6s,baz=116,slow=6.6,SNR=3.7

NEIC 13 01:28:31.6,0.0,14.01N;92.03W,h13km,MD4.0(MEX),
After MEX
GCG 13 01:28:32.8,0.4,14.33N;91.77W,h68km,9km,MD3.8
SNET 13 01:28:32.8,1.2,14.22N;91.75W,h48km,309km,ML3.9
CUG 13 01:28:32.0,6.14,0.03N;92.04W,h28km,14km,MD3.9
ISC 13 01:28:28.6,2.0,14.10N;0.09:91.91W;0.06,h14km,11km,
n20,-0.150/33,2D,Guatemala

Table with columns: Code, Station Name, Delta Az, Phase ID, Time Res, ISC, h m s, ISC. Lists stations like ERG, THIG, FUG, etc.

MEX 13 01:29:09.1,1.0,18.47N;103.02W,h28km,18km,MD3.8,
Near coast of Michoacan

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

MEX 13 01:36:29.2,0.9,16.22N;98.47W,h6km,13km,MD3.9,
Near coast of Guerrero

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

NEIC 13 01:56:54.2,0.9,10.70N;86.78W,h19km,10km,mb4.1/7,
Error ellipse: s-maj=9.4km s-min=6.8km az=176.0
ISCJB 13 01:56:55.4,1.0,10.84N;0.09:86.77W;0.09,h31km,
mb4.1/5,Error ellipse: s-maj=16.9km s-min=5.8km
az=43.1

UCR 13 01:56:55.5,2.1,10.88N;86.74W,h20km,5km,MW4.2
ISC 13 01:56:56.9,1.3,10.86N;0.09:86.72W;0.10,h31km,n28,
-0.959/28,mb4.2/5,1C,Off coast of Costa Rica

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

IDC 13 02:30:15.8,1.2,34.21N;25.16E,h0km,mb3.8/4,
mb1.3/7.8,mb1mx3.4/45,mbt3.6/8,ML3.7/4,MS2.8/3,
Ms1.2.8/3,ms1mx2.3/36,Error ellipse: s-maj=22.8km
s-min=12.7km az=72.0

ISCJB 13 02:30:16.6,1.5,34.19N;0.07:25.21E;0.06,h22km,9km,
mb3.7/4,Error ellipse: s-maj=12.8km s-min=6.6km
az=26.5

ATH 13 02:30:18.6,34.29N;25.03E,h25km,2km,ML3.1/3,Error
ellipse: s-maj=5.6km s-min=2.0km az=358.0

THE 13 02:30:19.5,34.33N;25.02E,h4km,2km,ML3.2/3,Error
ellipse: s-maj=2.2km s-min=1.0km az=46.0

ISC 13 02:30:17.1,1.8,34.22N;0.07:25.07E;0.04,h14km,11km,
n38,-0.123/42,mb3.7/4,Crete

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

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

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

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

GERES GRESS Array B 16.88 333 Pn
comp=N,0.2nm,0.3s,baz=143,slow=12,SNR=16

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

JMA 13 02:32:51.3,0.4,44.19N;147.85E,h11km,M4.0
SKHL 13 02:32:52.0,4.4,44.31N;148.03E,h1km,1km,mb4.1/4
ISC 13 02:32:51.5,2.7,44.4N;0.1:147.9E;0.1,h2km,19km,n12,
-0.953/21,Kuril Islands

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

LAGR Lagunoye 1.57 260 eP
LAGR 130nm,0.6s
LAGR 980nm,0.6s

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

NEM2 Nemuro 2 1.86 239 P
NEM3 Nemuro-Hokkai 1.87 239 eP

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

IDC 13 03:02:24.9,3.1,35.59N;140.94E,h0km,mb3.5/2,
mb1.3/7.3,mb1mx3.3/27,mbt3.4/3,ML2.4/1,Error
ellipse: s-maj=77.6km s-min=29.3km az=50.0

JMA 13 03:02:27.0,1.0,35.64N;140.87E,h15km,1km,M3.4
ISC 13 03:02:27.0,1.1,35.64N;0.05:140.92E;0.07,h15km,6km,
n19,-0.974/19,3C-1D,Near east coast of eastern
Honshu

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BR101 Keskin Array S, Vnda, ASAR Alice Springs, etc.

SJA 13 04:24:22.6 0.0, 34.28S; 66.77W, h5km, 7km, ML2.2, MW3.7, Fault plane solution: NP1, 136.40000, 653.30000, 1.31, 10000.

NEIC 13 04:24:26.0 0.0, 34.35S; 66.63W, h1km, MD4.2(SJA), After SJA. NEIC Fault [IV] at Villa Mercedes.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like COIS EI Sosneado, PUMA Malague, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CLCH Cerro Calan, RTLS Leontico, etc.

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ACCO Cerro Coronel, GO05 Huala, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CYA Cheyo, LCO Las Campanas, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CPUP Villa Florida, LVC Limon Verde, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVC, LPAZ La Paz, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SIV San Ignacio, TORD Torodi Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIO Ouri, etc.

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

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

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

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

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

MAN 13 05:11:54.6, 7.53N; 124.82E, h5km, mb4.2, ML3.0, MS2.7, 02, Mindanao.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KCP Kidapawan, KCP, CTBH Cotabato-PC H, etc.

DDA 13 05:25:28.2, 37.52N; 28.76E, h7km, 7km, ML2.7. ISK 13 05:25:35.9, 37.10N; 28.23E, h21km, 2km, ML1.8/3.

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

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

NIED 13 05:10:00, 37.40N, 141.60E, h8km, Mw4.0. Best double couple: M0.103000, 1015, NP1, 220.00000, 845.00000, 1.81, 00000.

IDC 13 05:31:08.0, 0.6, 37.37N; 141.42E, h0km, mb4.2/19, mb1.4, 3/23, mb1mx2.5, mtp4.1/23, ML3.6, MS3.0/10, Ms1.3/0.10, ms1mx2.8/44, Error ellipse: s-maj=16.6km.

JMA 13 05:31:10.3, 0.1, 37.37N; 141.55E, h27km, 1km, M4.3. NEIC 13 05:31:14.2, 2.2, 37.34N; 141.39E, h41km, 7km, mb4.4/31, Error ellipse: s-maj=16.7km, s-min=11.6km, az=127.0.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMTS Minamisoumatoc, JMTS, JMM Marumori, etc.

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MJBs Matsu-Tunnel, MJBs, MJBs, etc.

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMQ, WMQ, CM31 Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMAR Chiang Mai Arr, ZAAO Zalesovo Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZAA1 Zalesovo Arr, ZALV Zalesovo Arr, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov, KDAA Kodiak Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PPLA Purkeypile, BPAW Bear Paw Mtn, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCB Clear Creek Bu, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILB Eielson Array, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DOT Dot Lake, SCRR Sand Creek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EGAK Eagle, KK31 Karatay Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like EPYK Eagle Plains, NDI New Delhi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HYT Haines Junctio, ARU Ariti, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WR1 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ABKAR Akbulak arr, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, RES Resolute Bay, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCS ARCESS Array B, GEYT Alibek, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FIA1 FINESSE Array S, FINES FINESSE Array B, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like STKA Stephens Creek, K05A Summer Lake, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KBZ Khabaz, WSAR Wadi Sarin, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GNI Garni, NC20A NORSTAR Array S, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NB2 NORSTAR Subarra, NOA NORSTAR Array B, etc.

SOME 13 06:38:27.0.44.73N:81.88E, h10km
NINC 13 06:38:27.1.0.9.44.78N:81.90E, h0km, mb3.8, mpv3.4,
Error ellipse: s-maj=10.0km s-min=3.0km az=120.0

ISC 13 06:38:27.4.1.8.44.71N:0.04.81.84E,0.07,h10km,13km,
n34,i173/54,10C-SD,Northern Xinjiang

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

SJA 13 06:39:32.2.0.5.34.10S:72.42W, h2km,4km, ML3.6,
MW3.1
GUC 13 06:39:36.0.5.0.34.44S:72.01W, h35km,2km, ML3.6
ISC 13 06:39:33.2.1.6.34.40S:0.04.72.17W,0.07,h10km,11km,
n17,i176/26,1C-1D,Near coast of central China

Table with columns: CLCH, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in the Melosias region.

MEX 13 06:59:23.9.0.3.15.70N:96.09W, h16km,5km, MD3.8,
Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in Oaxaca.

ISCJCB 13 07:40:00.1.0.3.13.08S:0.04.167.11E:0.06, h180km,
mb4.5/4, Error ellipse: s-maj=8.7km s-min=5.8km
az=175.4

ISC 13 07:40:03.6.3.0.13.18S:167.19E, h201km,26km,
mb3.8/16, mb1.3/9/16, mb1.1mx3.7/41, mbtmp4.3/16, Error
ellipse: s-maj=19.5km s-min=13.1km az=97.0

NEIC 13 07:40:07.3.8.1.13.12S:167.07E, h233km,5km, mb4.5/44,
Charter ellipse: s-maj=12.2km s-min=14.5km az=100.0

ISC 13 07:40:01.8.0.4.13.04S:0.06.167.04E:0.03, h180km, n93,
i1503/99, mb4.4/54, Vanuatu Islands

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists numerous seismic stations across various regions.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific region.

ISC 13 07:44:01.9.1.3.1.63S:127.21E, h0km, mb3.7/4,
mb1.3/9/5, mb1mx3.6/52, mbtmp3.8, ML3.9/1, Error
ellipse: s-maj=130.2km s-min=21.4km az=69.0

ISCJCB 13 07:44:02.9.0.6.1.49S:106.127.40E:0.06, h10km,
mb3.8/4, Error ellipse: s-maj=9.4km s-min=8.9km az=44.9

DJA 13 07:44:04.4.0.3.1.5.4:12.7E, h10km, M4.3/8, mb4.9/3,
mb4.9/3, MLV4.0/8, Mw(mb)4.2/3

ISC 13 07:44:04.0.4.0.9.1.41S:0.08.127.34E:0.08, h10km, n14,
i194/14, mb3.9/4, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific region.

DJA 13 07:45:23.7.0.3.7.5S:109.9E, h10km, M3.5/7, MLV3.5/7,
Java

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in Java.

ISC 13 07:47:46.4.1.2.34.27N:25.01E, h0km, mb3.7/8,
mb1.3/8/11, mb1mx3.6/52, mbtmp3.7/11, ML4.1/3, MS2.5/1,
Ms1.2/5.1, ms1mx1.9/43, Error ellipse: s-maj=23.6km
s-min=20.2km az=92.0

ISCJCB 13 07:47:47.0.1.2.34.09N:105.25E:1.7E:0.06, h20km,6km,
mb3.3/5/8, Error ellipse: s-maj=9.4km s-min=7.9km az=34.4

ATH 13 07:47:47.4.34.16N:25.09E, h20km,1km, ML2.9/7, Error
ellipse: s-maj=3.0km s-min=1.9km az=2.0

THE 13 07:47:48.9.34.23N:25.06E, h0km,1km, ML3.0/4, Error
ellipse: s-maj=3.0km s-min=0.8km az=155.0

ISC 13 07:47:49.0.1.7.34.22N:0.07.25.06E:0.05, h18km,5km,
n29,i081/41, mb3.5/8, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations in the Pacific region.

ASAR Alice Springs 25.86 163 P P 09 54 14.1 +0.5
STKA Stephens Creek 36.04 157 P P 09 55 41.8 -1.4
MKAR Makanchi Array 59.24 326 P P 09 58 43.2 -0.1

STR 13 09:54:56.8:0.4, 49.1N:1.1E, h14km, 1km, MLV1/4.6
LDG 13 09:54:56.9:0.1, 49.16N:8.12E, h4km, MD2.2/1, MI2.2/10,
Error ellipse: s-maj=1.3km s-min=1.2km az=131.0,

Germany
Code Station Name Delta AZ Phase ID Time Res
KTD Kalmit 0.1 351 Op ISC h m s ISC
LANF Langenberg 0.27 230 Pg Sg 09 55 00.3 +0.1
OPP Oppenau 0.66 176 Pg Sg 09 55 02.6 +0.4

SOME 13 10:20:50.6, 44.68N:82.08E, h10km
NNC 13 10:20:53.6:1.1, 44.67N:81.96E, h0km, mb3.5, mpv3.2,
Error ellipse: s-maj=13.3km s-min=3.4km az=120.0,

Code Station Name Delta AZ Phase ID Time Res
KTMS Ketmen 1.75 235 P P 10 21 23.9 -0.4
KTMS Ketmen 1.75 235 eP P 10 21 23.9 -0.4
KAPS Kapalarasan 2.25 292 Pg Lg 10 21 28.5 -0.2

IDC 13 10:40:55.2:1.1, 11.93N:92.18E, h0km, mb3.8/12,
mb1.3/9.13, mb1mx3.7/45, mbtmp3.8/13, ML4.0/1, MS2.9/2,
Ms1.3/0.2, ms1mx2.5/41, Error ellipse: s-maj=33.5km

ISCJB 13 10:40:57.0:0.8, 12.11N:0.1E:0.3E:0.1, h27km, mb3.7/12,
MS3.1/1, Error ellipse: s-maj=20.1km s-min=11.8km
az=136.5

ISC 13 10:40:59.8:1.1, 12.11N:0.2E:0.2E:0.1, h27km, n22,
r145/19, mb3.8/12, Andaman Islands region

Code Station Name Delta AZ Phase ID Time Res
Code Station Name Delta AZ Phase ID Time Res

CMAR Chiang Mai Arr 9.07 45 Pn 10 43 08.6 -0.5
CMAR 10 46 52.1
PKI comp=Z,36nm,19.2s,mbz=10.5,SNR=39
7.4nm,0.3s 16.69 338 eP Pn 10 44 50.6 -1.6

comp=Z,28nm,21.1s,mbz=70,slow=34
SCHO Schefferville 98.80 332 LR LR 11 40 06.4

ASAR Alice Springs 115.56 147 PKP 11 09 05.1 +1.1
AS31 Alice Springs 115.57 147 ePKP 11 09 03.5 -0.5
ZAA1 Zalesovo Array 120.47 43 ePKP 11 09 14.8 +2.4

IDC 13 11:01:27.0:0.1, 38.44N:142.22E, h28km, 2km, M3.6,
Near east coast of eastern Honshu

Code Station Name Delta AZ Phase ID Time Res
JIKH Ichinomakikobu 0.61 258 P Op ISC h m s ISC
JIKH S Sb 11 10 38.6 -0.5
JIO Ouri 0.68 271 P S 11 10 40.1 -0.3

IDC 13 11:31:38.7:0.9, 4.86S:105.14W, h0km, mb3.3/3,
mb1.3/7.13, mb1mx3.6/19, mbtmp3.3/6.13, MS3.5/6, Ms1.3/5.6,
ms1mx3.4/9, Error ellipse: s-maj=103.0, Central East Pacific Rise

Code Station Name Delta AZ Phase ID Time Res
ROSC El Rosal 32.26 73 LR LR 11 48 27.2
TXAR La Jaitas Array 34.03 2 LR LR 11 49 34.7

DDA 13 10:49:26.9, 40.87N:28.32E, h7km, 3km, ML2.5
ISK 13 10:49:26.7, 40.85N:28.32E, h14km, ML2.1/11
ISC 13 10:49:27.0:1.2, 40.87N:0.04E:28.32E:0.03, h15km, 11km,
n17, r0E38/23, Turkey

Code Station Name Delta AZ Phase ID Time Res
CTKS Kestanelik-??a 0.40 21 Op ISC h m s ISC
ARMT Armut 0.51 126 P P 10 49 37.5 -0.3

ISCJB 13 11:35:44.7:0.5, 36.89N:0.02E:10.92W:0.04, h35km, Error
ellipse: s-maj=4.3km s-min=3.3km az=178.9

IGL 13 11:35:48.5, 36.85N:1.00W, h31km, ML2.9,
INMG 13 11:35:49.1:1.0, 36.87N:1.09W, h31km, MD2.8, ML2.7,
Error ellipse: s-maj=3.9km s-min=2.6km az=70.0,

MDD 13 11:35:50.4:1.2, 37.04N:1.03W, h102km, 10km, mb2.8/13,
Error ellipse: s-maj=9.4km s-min=5.0km az=63.0, PRXIMO
CNRM 13 11:35:52.9, 36.41N:1.034W, h31km, ml3.0

ISC 13 11:35:46.2:0.2, 36.90N:0.06E:10.97W:0.09, h35km, n88,
r133/146, 8C-4D, Azores-Cape St. Vincent Ridge

Code Station Name Delta AZ Phase ID Time Res
PFVI Vila Bisbo 1.73 82 P Pn 11 36 15.7 +1.5
PFVI Vila Bisbo 1.73 82 P Pn 11 36 15.7 +1.5

NEIC 13 10:50:20.7:1.4, 32.54S:13.07W, h0km, mb4.2/3,
mb1.4/2.3, mb1mx3.7/20, mbtmp4.2/3, MS3.6/13,
Ms1.3/6/13, ms1mx3.5/23, Error ellipse: s-maj=52.5km
s-min=32.7km az=11.0

MORF Marletele 1.90 77 P Pn 11 36 18.0 +1.5
MORF Marletele 1.90 77 P Pn 11 36 18.0 +1.5

MORF Marletele 1.90 77 P Pn 11 36 18.0 +1.5
MORF Marletele 1.90 77 P Pn 11 36 18.0 +1.5

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MORF Marletele 1.90 77 P Pn 11 36 18.0 +1.5

Code Station Name Delta AZ Phase ID Time Res
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Code Station Name Delta AZ Phase ID Time Res
ROSC El Rosal 32.26 73 LR LR 11 48 27.2
TXAR La Jaitas Array 34.03 2 LR LR 11 49 34.7

LPAZ La Paz 38.03 110 LR LR 11 51 26.3
PFO Pinyon Flats O 39.74 345 LR LR 11 51 35.8

NVAR Mina Array Bea 44.77 345 P P 11 39 54.2 -0.2
NVAR 11 54 53.3

PPT Papeete 45.25 180 LR LR 11 53 42.8
PDAR Pinedale Array 47.58 356 P P 11 40 16.4 0.0

ILAR Eielson Array 75.97 343 P P 11 43 27.2 0.0
H1N3 WAKE ISLAND Hy 89.70 290 T T 13 24 08.0

H1N2 WAKE ISLAND Hy 89.71 290 T T 13 24 10.5
H1N1 WAKE ISLAND Hy 89.71 290 T T 13 24 05.8

H1S2 WAKE ISLAND Hy 89.78 288 T T 13 24 11.5
H1S1 WAKE ISLAND Hy 89.78 288 T T 13 24 11.3

H1S3 WAKE ISLAND Hy 89.80 288 T T 13 24 13.7

ISCJB 13 11:35:44.7:0.5, 36.89N:0.02E:10.92W:0.04, h35km, Error
ellipse: s-maj=4.3km s-min=3.3km az=178.9

IGL 13 11:35:48.5, 36.85N:1.00W, h31km, ML2.9,
INMG 13 11:35:49.1:1.0, 36.87N:1.09W, h31km, MD2.8, ML2.7,
Error ellipse: s-maj=3.9km s-min=2.6km az=70.0,

MDD 13 11:35:50.4:1.2, 37.04N:1.03W, h102km, 10km, mb2.8/13,
Error ellipse: s-maj=9.4km s-min=5.0km az=63.0, PRXIMO
CNRM 13 11:35:52.9, 36.41N:1.034W, h31km, ml3.0

ISC 13 11:35:46.2:0.2, 36.90N:0.06E:10.97W:0.09, h35km, n88,
r133/146, 8C-4D, Azores-Cape St. Vincent Ridge

Code Station Name Delta AZ Phase ID Time Res
PFVI Vila Bisbo 1.73 82 P Pn 11 36 15.7 +1.5

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PFVI Vila Bisbo 1.73 82 P Pn 11 36 15.7 +1.5

Code Station Name Delta AZ Phase ID Time Res
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EVO	comp=N,32nm,0.1s	A	A	11 37 05.8
EVO	Evora	2.86	54 P	11 36 31.4 +1.7
EVO	comp=N,32nm,0.1s	P	Sn	11 37 02.8 0.0
ALMR	Almeirim	2.94	39 eS	11 37 05.0 +0.1
ALMR	comp=N,45nm,0.3s	AML	AML	11 37 08.1
ALMR	Almeirim	2.94	39 ePn	11 36 32.8 +2.0
ALMR	ALMR	eSn	A	11 37 05.0 +0.1
ALMR	comp=N,33nm,0.1s	P	Pn	11 36 32.8 +2.0
ALMR	Almeirim	2.94	39 P	11 37 05.0 +0.1
ALMR	comp=N,17nm,0.1s	P	Pn	11 36 33.8 +1.3
PMTG	Montargil	3.07	44 ePn	11 37 07.4 -0.6
PMTG	eSn	A	A	11 37 12.2
PMTG	Montargil	3.07	44 P	11 36 33.8 +1.3
PMTG	comp=N,14nm,0.1s	P	Pn	11 37 07.4 -0.6
PBAR	Barrancos	3.37	67 ePn	11 36 39.2 +2.4
PBAR	eSn	A	A	11 37 14.8 -0.8
PBAR	Barrancos	3.37	67 P	11 37 14.8 -0.8
PBAR	comp=N,17nm,0.1s	P	Pn	11 37 14.8 -0.8
PTOM	Tomar	3.38	36 eSn	11 37 15.8 +0.1
PTOM	comp=N,17nm,0.1s	S	Sn	11 37 15.8 +0.1
PTOM	Tomar	3.38	36 S	11 37 15.8 +0.1
EMIN	Mina Concepcio	3.53	74 IIP	11 36 40.4 +1.4
EMIN	comp=N,1.9nm,0.3s,SNR=18	S	Pn	11 37 19.1 -0.4
PCAS	Casmilo, Conde	3.70	31 ePn	11 36 42.5 +1.2
PCAS	eSn	A	A	11 37 23.8 +0.2
PCAS	Casmilo, Conde	3.70	31 P	11 36 42.5 +1.2
PCAS	comp=N,7.8nm,0.5s	P	Pn	11 37 23.8 +0.2
PCAS	Casmilo, Conde	3.70	31 P	11 36 42.5 +1.2
PCAS	comp=N,7.8nm,0.5s	P	Pn	11 36 42.5 +1.2
PMRV	Marv??o	3.79	47 ePn	11 36 43.5 +1.0
PMRV	eSn	A	A	11 37 24.7 -1.1
PMRV	Marv??o	3.79	47 P	11 36 43.5 +1.0
PMRV	comp=N,5.6nm,0.3s	P	Pn	11 37 24.7 -1.1
COI	Coimbra	3.87	30 eSn	11 37 27.8 +0.1
COI	Coimbra	3.87	30 S	11 37 27.8 +0.1
PCBR	Castelo Branco	4.02	42 ePn	11 36 47.0 +1.4
PCBR	eSn	A	A	11 37 30.9 -0.6
PCBR	Castelo Branco	4.02	42 P	11 36 47.0 +1.4
PCBR	comp=N,6.4nm,0.2s	P	Pn	11 37 30.9 -0.6
ESPR	Espira	4.10	89 P	11 36 48.8 +2.1
ESPR	comp=N,12nm,0.3s,SNR=10	S	Pn	11 37 33.3 -0.1
MTE	Manteigas	4.41	36 eSn	11 37 39.9 -1.2
MTE	comp=N,8.0nm,0.4s	A	A	11 37 42.4
MTE	Manteigas	4.41	36 S	11 37 39.9 -1.2
MTE	comp=N,4.0nm,0.4s	P	Pn	11 36 53.6 +1.2
PVIS	Viseu	4.50	31 ePn	11 37 42.2 -1.1
PVIS	eSn	A	A	11 37 45.5
PVIS	Viseu	4.50	31 P	11 36 53.6 +1.2
PVIS	comp=N,6.4nm,0.5s	P	Pn	11 37 42.5 -1.1
ECAB	El Cabril	4.57	73 IIP	11 36 54.6 +1.4
ECAB	comp=N,4.6nm,0.3s,SNR=18	P	Pn	11 37 43.4 -1.6
HORN	Hornachuelos	4.65	77 P	11 36 55.7 +1.4
HORN	ZHG	4.94	133 S	11 37 42.2 +0.2
HORN	ZHG	4.94	133 S	11 36 55.8 -2.6
ZHG	ZHG	4.94	133 S	11 37 45.2 -9.1
EPLA	Plasencia	4.97	49 P	11 37 00.2 +1.5
EPLA	comp=N,0.9nm,0.3s,SNR=5.8	S	Sn	11 37 53.3 -1.7
EMIJ	Mijas	4.99	92 P	11 37 00.3 +1.3
EMIJ	comp=N,0.2nm,0.1s,SNR=9.9	S	Sn	11 37 54.3 -1.2
PVRL	Vila Real	5.05	29 eSn	11 37 55.5 -1.5
PVRL	comp=N,7.6nm,0.5s	A	A	11 37 56.4
PVRL	Vila Real	5.05	29 S	11 37 55.5 -1.5
SRHM	Skhour des Reh	5.09	149 P	11 37 00.6 +0.2
SRHM	comp=N,3.8nm,0.5s	P	Pn	11 37 01.7 +1.0
POLO	Lamas de Oio	5.11	28 ePn	11 37 56.4 -2.0
POLO	eSn	A	A	11 37 58.0
POLO	Lamas de Oio	5.11	28 P	11 37 01.7 +1.0
POLO	comp=N,3.3nm,0.4s	P	Pn	11 37 56.4 -2.0
EADA	Adamuz	5.24	74 P	11 37 03.6 +1.2
EADA	comp=N,1.3nm,0.2s,SNR=29	S	Sn	11 37 59.5 -2.1
MVO	Moncorvo	5.25	35 ePn	11 37 03.8 +1.2
MVO	eSn	A	A	11 37 59.7 -2.2
MVO	Moncorvo	5.25	35 P	11 37 04.1 +1.5
MVO	comp=N,1.7nm,0.3s	P	Pn	11 38 00.6 -1.3
PCAB	Cabril	5.32	24 ePn	11 37 04.7 +1.2
PCAB	eSn	A	A	11 38 01.8 -1.8
PCAB	Cabril	5.32	24 P	11 37 04.7 +1.2
PCAB	comp=N,5.6nm,0.5s	P	Pn	11 38 01.8 -1.8
ELOB	Lobios	5.45	24 IIP	11 37 06.4 +1.0
ELOB	comp=N,1.1nm,0.3s,SNR=18	S	Sn	11 38 05.5 -1.4
PGAV	Gavieira, Arco	5.47	22 ePn	11 37 06.7 +1.0
PGAV	eSn	A	A	11 38 05.3 -2.2
PGAV	Gavieira, Arco	5.47	22 P	11 37 06.7 +1.0
PGAV	comp=N,4.2nm,0.2s	P	Pn	11 38 05.3 -2.2
EGOR	Sierra Gorda	5.49	86 P	11 37 07.2 +1.2
EGOR	comp=N,0.3nm,0.1s,SNR=4.0	S	Sn	11 38 06.6 -1.4
EZAM	Zamans	5.53	19 P	11 37 07.9 +1.5
EZAM	comp=N,0.7nm,0.1s,SNR=7.9	S	Sn	11 38 07.3 -1.5
PMPST	Porto Santo, M	5.82	231 ePn	11 37 09.6 -0.8
PMPST	eSn	A	A	11 38 07.7 -8.3
PMPST	Porto Santo, M	5.82	231 P	11 37 12.2 +1.2
PMPST	comp=N,1.9nm,0.8s	P	Pn	11 38 14.9 -1.7
PBRG	Braganca	5.89	32 eSn	11 38 15.1 -2.7
PBRG	eSn	A	A	11 38 17.2
PBRG	Braganca	5.89	32 S	11 38 15.1 -2.7
PBRG	comp=N,5.3nm,0.7s	P	Pn	11 37 14.5 +1.5
ECAL	Calabor	6.01	32 P	11 38 19.2 -1.4
ECAL	comp=N,4.9nm,0.5s,SNR=5.2	S	Sn	11 37 15.5 +0.2
ESDC	Sonsecra Array	6.17	61 P	11 38 22.0 -2.5
ESDC	comp=N,1.3nm,0.3s,baz=245,slow=2.3,SNR=14	S	Sn	11 37 12.5 -3.5
CZD	Col de Zand	6.21	127 P	11 38 15.9 -1.0
CZD	comp=N,2.4nm,0.5s,SNR=7.9	P	Pn	

OUK	Doukaimeden	6.23	155 P	11 37 14.5 -1.9
EMAZ	Mazaricos	6.24	14 P	11 37 16.6 +0.5
EMAZ	comp=N,1.1nm,0.1s,SNR=7.9	S	Sn	11 38 25.6 -0.5
AKLM	AKL	6.25	110 P	11 37 11.9 -4.5
AKLM	Agolada(Pontev	6.30	20 P	11 38 15.3 -1.1
EAGO	Agolada(Pontev	6.30	20 P	11 37 17.2 +0.2
EAGO	comp=N,1.8nm,0.1s,SNR=7.9	S	Sn	11 38 27.2 -0.5
EQES	Quesada	6.36	79 P	11 37 17.9 +0.1
EQES	comp=N,0.6nm,0.2s,SNR=7.9	S	Sn	11 38 27.7 -1.6
MD31	MD31	6.50	126 P	11 37 16.5 -3.3
MD31	Guadarrama	6.51	53 P	11 38 23.0 -1.0
GUD	Guadarrama	6.51	53 P	11 37 19.9 -0.1
GUD	comp=N,0.3nm,0.1s,SNR=7.9	S	Sn	11 38 31.4 -1.6
MDT	Midelt	6.63	126 P	11 37 18.5 -3.1
MDT	Santiago Espad	6.61	77 S	11 38 25.2 -1.1
SESP	Ouz	6.92	148 P	11 38 39.2 -1.2
SESP	comp=N,1.9nm,0.5s,SNR=7.9	S	Pn	11 37 24.0 -1.7
OZUM	Ouzum	7.06	23 IIP	11 38 35.7 -7.5
EPON	Pontenova	7.06	23 IIP	11 37 27.9 +0.6
EPON	comp=N,4.2nm,0.2s,SNR=1.8	S	Sn	11 38 46.2 -0.1
JBK	JBK	7.30	108 P	11 37 28.1 -2.8
JBK	comp=N,3.1nm,0.3s,SNR=6.1	P	Pn	11 38 42.6 -1.0
ETOB	Tobarra	7.66	74 P	11 37 35.7 0.0
ETOB	comp=N,6.5nm,5.5s,SNR=7.9	S	Pn	11 37 37.6 +0.4
EARI	Arriondas	7.77	33 P	11 39 03.3 -0.6
EARI	comp=N,0.9nm,0.2s,SNR=7.9	S	Sn	11 37 39.2 -0.9
ETOR	Torete	7.98	58 P	11 39 07.4 -1.7
ETOR	comp=N,0.9nm,0.2s,SNR=7.9	S	Sn	11 39 30.8 -1.4
EMOS	Mosqueruela	8.91	64 S	
EMOS	comp=N,2.4nm,0.5s,SNR=7.9	S	Sn	

ISCJB 13 11:38:09.0,0.2,4:20S:0:03:128:85E:0:03,h32km, mb4.5b/1,MS3.3/5,Error ellipse: s-maj=4.7km

DJA 12 11:38:09.0,0.2,4:20S:0:03:128:85E:0:03,h10km,M4.4/9,MLv4.4/9
NEIC 13 11:38:12.1,1.4,4:16S:128:86E,h43km,6km,mb4.7/43,
Error ellipse: s-maj=9.7km s-min=9.3km az=57.0
IDC 13 11:38:13.2,2.1,4:14S:128:79E,h50km,20km,mb4.1/24,
mb1 4.2/27,mb1mx4.1/43,mbmt4.4/27,ML2.9/2,MS3.2/9,
Ms1 3.2/9,ms1mx3.0/28,Error ellipse: s-maj=16.7km
s-min=10.7km az=75.0

ISC 13 11:38:10.9,0.3,4:19S:0:05:128:87E:0:05,h32km,n109,
r139/111,mb4.6/60,MS3.3/5,1C-1D,Banda Sea

Code	Station Name	Δ° AZ°	Op	Phase ID	Time	Res
					h m s	ISC
MSAI	Masoshi	0.84	4 P	Pn	11 38 23.6 -2.9	
AAI	Ambon	0.84	306 P	Pn	11 38 22.8 -3.7	
BND	Bandanaira	1.08	108 P	Pn	11 38 29.4 -0.5	
NLAI	Nalanda	2.00	298 P	Pn	11 38 42.9 +0.4	
SANI	Sanana	3.55	306 P	Pn	11 39 04.1 -1.0	
FAKI	Fak Fak	3.60	70 ePn	Pn	11 39 06.3 +1.8	
FAKI	Fak Fak	3.60	70 P	Pn	11 39 06.4 +1.8	
LBMI	Labuha	3.73	339 P	Pn	11 39 07.5 +0.5	
SJJI	Sorong	4.07	36 P	Pn	11 39 11.3 +0.3	
SJJI	34nm,0.3s,baz=236,slow=23,SNR=75	S	Sn	11 39 56.3 -1.4		
SIJU	26nm,0.3s,baz=198,slow=19,SNR=10.0	LR	LR	11 41 06.4		
SWI	Song	4.08	36 P	Pn	11 39 12.3 +1.2	
TNTI	Ternate	5.15	343 ePn	Pn	11 39 25.9 +0.1	
LUWI	Luwuk	6.85	297 ePn	Pn	11 39 49.6 +0.4	
ZOEI	Soe	7.17	219 ePn	Pn	11 39 54.5 +0.7	
BATI	Baunata	7.90	221 P	LR	11 40 07.9 +4.2	
BATI	10nm,0.3s,baz=120,slow=1.9,SNR=1.0	LR	LR	11 42 49.3		
MTN	Manton Dam	8.89	166 ePn	Pn	11 40 18.1 +1.0	
KAPI	Kappang	9.13	264 P	Pn	11 40 21.2 +0.7	
KAPI	1.2nm,0.3s,baz=136,slow=6.0,SNR=6.5	S	Sn	11 40 23.2 +1.0		
KAPI	0.3nm,0.3s,baz=107,slow=19,SNR=2.3	LR	LR	11 43 32.2		
KAPI	comp-Z,127nm,20.9s,baz=301,slow=35	LR	LR	11 40 21.5 +1.0		
KAPI	Kappang	9.13	264 ePn	LR	11 46 26.0	
JAY	Jayapura	11.93	82 LR	LR	11 41 57.8 -2.8	
JAY	comp-Z,99nm,18.5s,baz=140,slow=41	Pn	Pn	11 41 57.8 -2.8		
WRAB	Tennant Creek	16.54	162 ePn	Pn	11 41 57.4 -3.3	
WRAB	36nm,0.3s	Pn	Pn	11 41 57.4 -3.3		
WRI	Warrungarra Arr	16.54	162 eP	Pn	11 41 57.4 -3.3	
WRA	Warrungarra Arr	16.54	162 P	Pn	11 44 57.7 -5.8	
WRA	1.8nm,0.3s,baz=338,slow=13,SNR=79	S	Sn	11 41 58.6 -2.1		
WB2	Warrungarra Arr	16.55	162 ePn	Pn	11 42 07.2 -0.8	
WB2	41nm,0.8s	Pn	Pn	11 42 07.2 -0.8		
COEN	Coen	17.12	125 ePn	Pn	11 42 23.8 -1.9	
COEN	16nm,0.9s	Pn	Pn	11 42 23.8 -1.9		
MANU	Manus Island	18.59	84 ePn	Pn	11 42 30.9 +1.4	
MANU	43nm,0.9s	Pn	Pn	11 42 30.0 +1.2		
PMG	Port Moresby	18.88	107 P	P	11 42 34.7 +0.5	
PMG	0.3nm,0.3s,baz=293,slow=7,SNR=4.2	P	P	11 42 42.0 0.0		
PMG	Port Moresby	18.88	107 ePn	P	11 46 56.5 -0.2	
PMG	49nm,1.0s	LR	LR	11 50 38.7		
PSA00	Pilbara Seismi	19.38	206 eP	P	11 42 42.5 +1.4	
PSA00	22nm,0.8s	P	P	11 42 42.5 0.0		
AS31	Alice Springs	19.96	166 eP	Pn	11 46 56.5 -0.2	
AS31	21nm,0.8s	P	P	11 46 56.5 -0.2		
ASAR	Alice Springs	19.96	166 P	Pn	11 50 38.7	
ASAR	47nm,0.5s,baz=346,slow=11,SNR=687	P	P	11 42 56.6 -1.6		
ASAR	3.7nm,0.5s,baz=350,slow=1.5,SNR=1.5	LR	LR	11 43 16.6 +1.1		
CISI	Cisompot, Garu	21.21	260 eP	P	11 43 56.6 +1.7	
CISI	108nm,1.3s	P	P	11 43 14.6 -0.3		
LEM	Lenang	21.32	282 P	P	11 43 15.5 +0.5	
LEM	14nm,0.6s,baz=127,slow=20,SNR=3.3	P	P	11 43 45.2 0.0		
CTA	Charters Tower	23.16	134 P	P	11 43 45.2 0.0	
CTA	10,0nm,0.9s,baz=319,slow=14,SNR=4.0	P	P	11 43 15.5 +0.5		
CTA0	Charters Tower	23.16	134 eP	P	11 43 45.2 0.0	
CTA0	29nm,1.3s	P	P	11 43 45.2 0.0		
GIRL	Giralia	23.18	216 eP	P	11 43 45.2 0.0	
GIRL	204nm,1.5s	P	P	11 43 45.2 0.0		
FORT	Forrest	26.46	182 eP	P	11 43 45.2 0.0	
FORT	49nm,0.8s	P	P	11 43 45.2 0.0		
MOR						

13d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, MJAR Matsushiro Arr, SONM Songoing Array, SONM Alice Springs.

IDC 13 14:13:20.8;6.9,30.51S;178.80W,h0km,mb3.6/2, mb1 3.8/2, mb1mx3.5/1.6,mbtmpt3.6/2, Error ellipse: s-maj=289.6km s-min=55.0km az=156.0

WEL 13 14:13:58.2;0.9,32.52S;17.9W;1.6,h351km,12km, M4.5/13,mb4.7/6,MLV4.9/13,Mv(mB)4.0/6, Error ellipse: s-maj=0.0km s-min=0.0km az=112.2

ISC 13 14:13:56.7;1.0,31.77S;0.08;178.8W;0.1,h350km,n40, c261/35,Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists various stations in the Kermadec Islands region like GLKZ Green Lake, HAZ Te Kaha, GZG Pakihoroa, etc.

IDC 13 14:36:07.5;1.2,39.03N;142.96E,h0km,mb3.5/4, mb1 3.7/7, mb1mx3.5/4.5,mbtmpt3.6/7,ML3.6/MS2.2/1, Ms1 2.2/1,ms1mt2.0/23, Error ellipse: s-maj=33.8km s-min=20.0km az=107.0

ISCJCB 13 14:36:09.5;1.0,39.22N;0.03;142.38E;0.07,h27km,6km, mb3.5/4, Error ellipse: s-maj=9.3km s-min=5.2km az=11.1

JMA 13 14:36:10.8;0.1,39.27N;142.31E,s-h33km;1km, M3.8 JMA Felt J1

ISC 13 14:36:11.4;1.5,39.23N;0.04;142.25E;0.08,h31km;10km, n23,c1950/29,mb3.5/4,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Honshu region like OFUJ Ofunato, MIWJ Miyakonagasawa, etc.

ISCJCB 13 14:51:18.5;0.47,48.97N;0.05;156.50E;0.09,h34km, mb3.4/5, Error ellipse: s-maj=10.2km s-min=3.9km az=37.5

MOS 13 14:51:18.3;2.9,49.01N;157.24E,h30km,mb4.0/1, Error ellipse: s-maj=20.1km s-min=4.6km az=82.7

KRSC 13 14:51:18.3;2.7,49.02N;157.24E,h31km;53km,ML4.3 SKHL 13 14:51:20.2;0.1,49.01N;156.64E,h46km;2km,mb4.2/3

IDC 13 14:51:22.6;2.9,49.19N;155.63E,h88km;25km,mb3.1/5, mb1 3.3/8, mb1mx3.1/31,mbtmpt3.6/8, Error ellipse: s-maj=32.0km s-min=16.9km az=131.0

ISC 13 14:51:18.4;0.9,48.86N;0.08;156.75E;0.08,h34km,n74, c184/103,mb3.4/5,1,East of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the East of Kuril Islands region like ILAR Eielson Array, MKAR Makanchi Array, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like SKR Severo-Kuril's, SKR Severo-Kuril's, SKR Severo-Kuril's, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Includes stations like PAU Pauzhetka, KDRTR Khodutka, ASAK Asacha, etc.

DDA 13 15:29:45.3;37.08N;36.01E,h5km;5km,ML3.5 ISK 13 15:29:45.6;37.13N;36.00E,h4km,ML2.7/15

ISC 13 15:29:45.6;37.13N;36.00E,h4km,ML2.7/15, n27,c097/32,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in Turkey like CEYT Ceyhan, YURE YUREGIR, KRDT Karatas-Adana, etc.

ISC 13 15:30:00.6;0.2,35.57N;142.39E,h67km,M2.9 ISC 13 15:30:03.9;1.3,35.53N;0.06;142.36E;0.09,h56km,n19, c265/24,mb3.2/3,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Off east coast of Honshu region like CHOJ Chosi, BSO1 Boso, etc.

DJA 13 15:35:19.7;1.3,2S;10;13.9E;h20km;17km,M4.2/5, MLV4.2/5,Irian Jaya

GENI Genyem, GENE Genyem, JAY Jayapura, JAY Jayapura, SERUI Serui, Papua, BAKI Biak

SJA 13 15:20:47.4;0.4,25.51S;67.38W,h92km;54km,ML2.2, MW2.6

ISCJCB 13 15:20:48.2;0.6,23.13S;0.06;66.44W;0.08,h250km, mb3.4/1, Error ellipse: s-maj=10.7km s-min=7.7km az=168.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Off east coast of Honshu region like CHOJ Chosi, BSO1 Boso, etc.

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IDC 13 15:20:48.2;1.2,23.06S;66.20W,h200km;18km,mb3.4/1, mb1 3.5/7, mb1mx3.3/29,mbtmpt4.0/7, Error ellipse: s-maj=23.7km s-min=13.6km az=119.0

ISC 13 15:20:48.1;0.8,23.09S;0.06;66.39W;0.08,h250km,n12, c297/16,Jujuy Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Jujuy Province region like AZAP Zapla, LVC Limon Verde, etc.

DDA 13 15:29:45.3;37.08N;36.01E,h5km;5km,ML3.5 ISK 13 15:29:45.6;37.13N;36.00E,h4km,ML2.7/15

ISC 13 15:29:45.6;37.13N;36.00E,h4km,ML2.7/15, n27,c097/32,Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in Turkey like CEYT Ceyhan, YURE YUREGIR, KRDT Karatas-Adana, etc.

ISC 13 15:30:00.6;0.2,35.57N;142.39E,h67km,M2.9 ISC 13 15:30:03.9;1.3,35.53N;0.06;142.36E;0.09,h56km,n19, c265/24,mb3.2/3,Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Off east coast of Honshu region like CHOJ Chosi, BSO1 Boso, etc.

DJA 13 15:35:19.7;1.3,2S;10;13.9E;h20km;17km,M4.2/5, MLV4.2/5,Irian Jaya

GENI Genyem, GENE Genyem, JAY Jayapura, JAY Jayapura, SERUI Serui, Papua, BAKI Biak

SJA 13 15:20:47.4;0.4,25.51S;67.38W,h92km;54km,ML2.2, MW2.6

ISCJCB 13 15:20:48.2;0.6,23.13S;0.06;66.44W;0.08,h250km, mb3.4/1, Error ellipse: s-maj=10.7km s-min=7.7km az=168.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res ISC. Lists stations in the Off east coast of Honshu region like CHOJ Chosi, BSO1 Boso, etc.

13d 17h

Table with columns: CHMS, Chumyph, baz=8.0, 3.63 306 fP Pn, 15 39 53.4 +1.1, etc.

IDC 13 16:06:01.0:2.9,2.40N:126:39E,h0km,mb3.5/3, mb1 3.7/3, mb1mx3.4/23, mbtmp3.5/3, Error ellipse: s-maj=303.0km s-min=26.1km az=66.0, Northern

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, WRA Warramunga Arr, 23.54 161 P, etc.

ISK 13 16:13:19.9,39:64N:28:89E,h2km,ML2/2/20, ISCUB 13 16:13:20.7,0.5,39:64N:0:03:28:90E:0.03,h1km,5km, Error ellipse: s-maj=4.6km s-min=3.6km az=146.3, DDA 13 16:13:20.5,39:65N:28:88E,h7km,3km,ML2/2, ISC 13 16:13:20.7,1.1,39:65N:0:03:28:93E:0.03,h9km,10km, n28,0:41/35, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, DURS Dursunbey, 0.35 262 i P, etc.

ATH 13 16:15:02.3,38:23N:22:09E,h12km,1km,ML1.3/6, Error ellipse: s-maj=1.6km s-min=0.9km az=227.0, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, AIG2 Aigio, 0.02 311 P, etc.

THE 13 16:15:35.5,38:23N:22:10E,h9km,ML2.5/20, Error ellipse: s-maj=0.6km s-min=0.3km az=326.0, ATH 13 16:15:35.3,38:23N:22:10E,h11km,1km,ML2.6/12, Error ellipse: s-maj=1.4km s-min=0.7km az=205.0, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, AIG3 Aigion, 0.03 0 P, etc.

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Main table with columns: AIG2 Aigio, 0.03 122 S, AIG1 Aigio, 0.03 10 P, ALIK Aigioli, 0.03 10 P, etc.

THE 13 16:16:17.6,38:24N:22:11E,h11km,1km,ML2.1/9, Error ellipse: s-maj=1.1km s-min=0.4km az=7.0, ATH 13 16:16:17.4,38:23N:22:10E,h12km,2km,ML2.2/5, Error ellipse: s-maj=2.3km s-min=0.7km az=227.0, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, ALIK Aigioli, 0.04 20 P, etc.

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Table with columns: TRAZ Trapeza, 0.11 122 P, TRAZ Trapeza, 0.11 122 P, TRAZ Trapeza, 0.11 122 P, etc.

MEX 13 16:45:20.6:0.7,15:52N:96:53W,h15km,2km,MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, PANG Puerto Angel, 0.15 22 P, etc.

MEX 13 17:07:12.1:0.7,33:01N:116:99W,h10km,MD3.5, Southern California

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, TJJG Tijuana, 0.63 155 P, etc.

MEX 13 17:07:51.4:0.6,29:58N:114:10W,h16km,10km,MD3.6, Baja California

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, SPIG San Pedro Mart, 1.81 320 i P, etc.

IDC 13 17:15:36.9:0.7,20:9S:0:2:177:7W:0.1,h550km,n18, c1927/20,mb3.8/13, Fiji Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 14.82 263 P, etc.

DDA 13 17:31:47.9,37:11N:42:44E,h14km,1km,ML4.0, TEH 13 17:31:48.3,37:20N:42:44E,h10km,ML4.0, ISK 13 17:31:48.1,37:08N:42:42E,h9km,ML4.1/1.6, ISN 13 17:31:50.9,0.8,37:05N:42:48E,h39km,ML4.0, GII 13 17:31:50.6,0.0,37:11N:42:46E,h2km, IDC 13 17:31:50.0:1.9,37:00N:42:72E,h0km,mb3.6/1, mb1 3.5/8, mb1mx3.2/40, mbtmp3.3/8,ML3.3/5,MS3.0/5, Ms1 2.9/5, ms1mx2.6/42, Error ellipse: s-maj=30.2km s-min=11.1km az=136.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h m s ISC, DDA 13 17:31:47.9,37:11N:42:44E,h14km,1km,ML4.0, etc.

DDA 13 19:09:11.8, 38°15'N-26°68'E, h18km, 1km, ML3.3
ISCJB 13 19:09:12.8, 0.3, 38°16'N-0°02'26.69E, 0.03, h9km, 3km,
Error ellipse: s-maj=4.4km s-min=2.4km az=148.8

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include DGB zmir, GMLD Gumuldur, URLA Izmir, etc.

CESE eme 0.36 300 PG Pg 19 09 19.4 -1.3
BLBC Balcova 0.36 50 PG Pg 19 09 19.4 -1.4
KRBN Karaburun 0.45 346 PG Pg 19 09 21.4 -1.0

SMG Samos 0.46 166 P S 19 09 22.3 -0.4
SMG Samos 0.46 166 P S 19 09 22.3 -0.4
SMG Samos 0.46 166 P S 19 09 22.3 -0.4

FOCM Foa 0.56 3 PG Pg 19 09 22.7 -1.5
GCAM G7zelcaml? 0.62 137 PG Pg 19 09 25.4 -0.1
GCAM G7zelcaml? 0.62 137 P P 19 09 25.4 -0.1

DKL Dikili 0.93 10 PG Pg 19 09 30.2 -0.5
AYDB Zeytinokoy-Aydi 0.97 102 PG Pg 19 09 31.3 -0.1
PSRA Psara 0.97 294 P P 19 09 33.2 +1.2

AKS Akhisar 1.14 50 PN Pg 19 09 34.5 -0.7
PRK Paraskevi 1.14 343 P S 19 09 34.8 -0.4
PRK Paraskevi 1.14 343 P S 19 09 34.8 -0.4

AYVA Ayvalik 1.15 360 P Pg 19 09 34.9 -0.6
BODT Bodrum 1.20 156 PN Pg 19 09 35.5 -0.8
BODT Bodrum 1.20 156 P Pg 19 09 35.3 +0.1

SIGR SIGRI 1.24 328 PN Pg 19 09 36.4 -0.8
SIGR SIGRI 1.24 328 P S 19 09 35.5 -0.5
SIGR 1.24 328 P S 19 09 52.0 +0.3

APE Apeiranthos 1.42 221 PN Pn 19 09 37.9 -0.1
APE Apeiranthos 1.42 221 P Pn 19 09 37.8 -0.3
STEP BALIKESIR_Sava 1.46 33 P Pn 19 09 40.0 +0.3

DAT Datca 1.59 153 PN Pn 19 09 41.3 -0.6
DAT Datca 1.59 153 P Pn 19 09 40.7 +0.4
KULA Kula-Manisa 1.59 76 P Pn 19 09 42.2 +0.3

YER Yerkesik 1.62 128 PN Pn 19 09 41.3 +0.5
YER Yerkesik 1.62 128 P Pn 19 09 41.2 +0.5
EZIN Ezine 1.69 350 PN Pn 19 09 42.1 +1.0

BALB Balikesir 1.75 32 PN Pn 19 09 44.4 -0.2
BOZC Bozcaada 1.76 344 PN Pn 19 09 43.3 +0.7
BOZC Bozcaada 1.76 344 P Pn 19 09 44.4 -0.3

BRRN Bozburun-Marma 1.83 143 PN Pn 19 09 44.7 -1.3
TURN Turunc 1.98 130 PN Pn 19 09 44.3 -1.4
TURN Turunc 1.98 130 P Pn 19 09 44.6 -1.1

MORF MORF 1.27 53 P Pn 19 13 47.7 -0.6
MORF MORF 1.27 53 P Pn 19 13 48.8 -0.2
MORF MORF 1.27 53 P Pn 19 13 49.4 -0.2

PTEO Sao Teotonio 1.38 43 eP Pn 19 13 35.4 +1.4
PTEO Sao Teotonio 1.38 43 eS A 19 13 51.0 -0.1
PTEO Sao Teotonio 1.38 43 P S 19 13 51.6 -0.1

PCVE Castro Verde 1.85 54 ePn Pn 19 13 42.7 +2.2
PCVE Castro Verde 1.85 54 eS A 19 14 02.4 -0.3
PCVE Castro Verde 1.85 54 P S 19 13 42.7 +2.2

PNCL Nicolau / Gran 1.92 35 ePn Pn 19 13 42.7 +1.3
PNCL Nicolau / Gran 1.92 35 eS A 19 14 03.6 -0.7
PNCL Nicolau / Gran 1.92 35 P S 19 14 06.2 -0.7

PVAQ Vaqueiros 1.96 63 ePn Pn 19 13 42.7 +1.3
PVAQ Vaqueiros 1.96 63 eS A 19 14 03.6 -0.7
PVAQ Vaqueiros 1.96 63 P S 19 14 03.6 -0.7

PMAFR Mafrá 2.46 12 ePn Pn 19 13 50.4 +1.5
PMAFR Mafrá 2.46 12 eS A 19 14 17.0 -0.7
PMAFR Mafrá 2.46 12 P Pn 19 14 20.2 -0.7

EVO Evora 2.50 37 P S 19 13 50.5 +1.1
EVO Evora 2.50 37 P S 19 14 17.3 -1.3
EVO Evora 2.50 37 P S 19 14 17.3 -1.3

ALMR Almeirim 2.81 22 eS A 19 14 25.8 -0.6
ALMR Almeirim 2.81 22 P S 19 14 30.3 -0.6
ALMR Almeirim 2.81 22 S Sn 19 14 25.8 -0.6

PMTG Montargil 2.85 27 ePn Pn 19 13 55.6 +1.3
PMTG Montargil 2.85 27 eS A 19 14 26.3 -1.1
PMTG Montargil 2.85 27 P S 19 14 26.3 -1.1

EMIN Mina Concepcio 2.86 64 P S 19 13 55.4 +1.0
EMIN Mina Concepcio 2.86 64 S Sn 19 14 26.6 -1.1
EMIN Mina Concepcio 2.86 64 S Sn 19 14 26.6 -1.1

PMRV Marv??o 3.50 34 ePn Pn 19 14 04.5 +1.3
PMRV Marv??o 3.50 34 eS A 19 14 41.3 -2.2
PMRV Marv??o 3.50 34 P S 19 14 04.5 +1.3

PCAS Casmiolo, Conde 3.68 17 ePn Pn 19 14 07.2 +1.6
PCAS Casmiolo, Conde 3.68 17 eS A 19 14 46.8 -1.1
PCAS Casmiolo, Conde 3.68 17 P S 19 14 07.2 +1.6

PCBR Castelo Branco 3.81 30 ePn Pn 19 14 09.3 +1.9
PCBR Castelo Branco 3.81 30 eS A 19 14 50.8 -2.0
PCBR Castelo Branco 3.81 30 P S 19 14 09.3 +1.9

ECAB EI Cabril 3.90 66 P Pn 19 14 10.1 +1.4
ECAB EI Cabril 3.90 66 S Sn 19 14 51.3 -1.9
ECAB EI Cabril 3.90 66 S Sn 19 14 51.3 -1.9

ASER 13 19:14:18.3, 1.0, 35°40'N-45°29'E, h9km, 31km, m13, 7/13,
Error ellipse: s-maj=33.3km s-min=5.7km az=19.0
ISC 13 19:14:06.7, 0.9, 35°65'N-0°03'44.72E, 0.04, h10km, n46,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res. Rows include MAHB Mahabad, MSL Mosul, MSL Dehrash, etc.

IVIS Veis 2.07 122 ePn Pn 19 14 43.4 -1.1
IVIS Veis 2.07 122 eS A 19 15 23.5 -0.2
IVIS Veis 2.07 122 ePn Pn 19 14 43.4 -1.1

IYAZ Azarshahr 2.27 26 ePn Pn 19 14 45.5 -2.4
IYAZ Azarshahr 2.27 26 eS A 19 15 26.6 -0.2
IYAZ Azarshahr 2.27 26 ePn Pn 19 14 45.5 -2.4

IBZB Shabestar 2.73 15 ePn Pn 19 14 51.4 +0.6
IBZB Shabestar 2.73 15 eS A 19 15 36.9 -0.6
IBZB Shabestar 2.73 15 ePn Pn 19 14 51.4 +0.6

AKDM Akdamar-Van 3.02 333 P Pn 19 14 54.9 +0.1
AKDM Akdamar-Van 3.02 333 ePn Pn 19 14 56.4 +0.6
AKDM Akdamar-Van 3.02 333 P Pn 19 14 56.4 +0.1

ISRB Sarab 3.21 47 ePn Pn 19 14 58.7 +1.2
ISRB Sarab 3.21 47 eS A 19 15 11.4 -0.2
ISRB Sarab 3.21 47 ePn Pn 19 14 58.7 +1.2

IKFM Kafar-mosallan 3.33 129 ePn Pn 19 15 00.7 +1.8
IKFM Kafar-mosallan 3.33 129 eS A 19 16 10.4 -0.4
IKFM Kafar-mosallan 3.33 129 ePn Pn 19 15 00.7 +1.8

ORD Ordubad 3.43 17 P S 19 15 13.0 +0.5
ORD Ordubad 3.43 17 S Sn 19 15 57.1 +0.2
ORD Ordubad 3.43 17 P S 19 15 13.0 +0.5

CLDR Caldiran 3.55 500 ePn Pn 19 15 06.4 +2.5
NAX Nakhchivan 3.58 10 P Pn 19 15 16.3 +1.1
NAX Nakhchivan 3.58 10 P Pn 19 15 16.3 +1.1

IKMR Kamar-syah 3.69 124 ePn Pn 19 15 06.6 +2.8
IKMR Kamar-syah 3.69 124 eS A 19 16 23.6 -0.2
IKMR Kamar-syah 3.69 124 ePn Pn 19 15 06.6 +2.8

SVAN Silvan-Diyarba 3.77 313 ePn Pn 19 15 07.1 +2.1
SVAN Silvan-Diyarba 3.77 313 P Pn 19 15 19.5 -0.0
SVAN Silvan-Diyarba 3.77 313 ePn Pn 19 15 07.1 +2.1

MAZI Mazidag 4.09 299 ePn Pn 19 15 08.4 +1.7
MAZI Mazidag 4.09 299 P Pn 19 15 24.5 -0.1
MAZI Mazidag 4.09 299 ePn Pn 19 15 08.4 +1.7

AGRB Hanur-Agry 4.16 341 ePn Pn 19 15 12.4 +2.0
AGRB Hanur-Agry 4.16 341 eS A 19 15 29.5 +2.5
AGRB Hanur-Agry 4.16 341 ePn Pn 19 15 12.4 +2.0

13d 21h

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like PB03, AU5P, PB07, etc.

2013 JUL

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like JTS, SLBI, BIMI, etc.

680

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like V52A, T58A, X46A, etc.

Q51A	Peebles	67.43 346	eP	P	21 47 08.3 +1.0
Q51A	Peebles	67.43 346	P	P	21 47 07.9 +0.6
R47A	Woolly Knot Far	67.48 343	P	P	21 47 07.7 0.0
P53A	Whipple	67.48 348	P	P	21 47 07.9 +0.3
U40A	Fellville	67.57 338	P	P	21 47 08.4 +0.1
O57A	Amberson	67.58 351	P	P	21 47 08.5 +0.3
S44A	Carbondale	67.66 341	P	P	21 47 08.9 +0.1
Q49A	Aurora	67.75 345	P	P	21 47 09.3 -0.1
P52A	Corning	67.77 347	P	P	21 47 09.8 +0.4
O56A	Blue Knob Stat	67.77 350	P	P	21 47 10.0 +0.5
P51A	Williamsport	67.81 347	P	P	21 47 09.7 0.0
O55A	Ligonier	67.82 350	P	P	21 47 10.1 +0.3
Q48A	North Vernon	67.88 344	P	P	21 47 10.2 0.0
N60A	Cedar Hill Far	67.92 353	P	P	21 47 10.8 +0.4
O54A	Avella	67.97 349	P	P	21 47 11.0 +0.3
SSPA	Standing Stone	68.03 351	eP	P	21 47 10.8 -0.3
SSPA	Standing Stone	68.03 351	P	P	21 47 11.6 +0.5
N59A	State Game Lan	68.04 353	eP	P	21 47 12.2 +1.0
N59A	State Game Lan	68.04 353	P	P	21 47 11.6 +0.4
Q47A	Bedord North L	68.06 344	P	P	21 47 11.4 +0.1
N58A	Sunbury	68.08 352	P	P	21 47 11.9 +0.5
P50A	Jamestown	68.08 346	P	P	21 47 11.7 +0.2
N57A	Milroy	68.10 351	P	P	21 47 11.7 +0.2
O52A	Adamsville	68.17 348	eP	P	21 47 12.4 +0.4
O52A	Adamsville	68.17 348	P	P	21 47 11.8 -0.2
O53A	New Philadelph	68.19 348	P	P	21 47 12.4 +0.3
P49A	Miami Univ. Ec	68.22 345	eP	P	21 47 12.0 -0.3
TUL1	Leonard	68.23 335	eP	P	21 47 12.6 +0.1
TUL1	Leonard	68.23 335	P	P	21 47 12.4 -0.1
M61A	Granite Spring	68.23 354	P	P	21 47 12.3 0.0
P48A	Milroy	68.31 345	P	P	21 47 12.3 -0.6
N55A	Marion Center	68.33 350	eP	P	21 47 13.2 +0.2
N55A	Marion Center	68.33 350	P	P	21 47 13.2 +0.2
O51A	Pataskalia	68.35 347	P	P	21 47 12.5 -0.7
N56A	West Decatur	68.36 351	P	P	21 47 13.4 +0.1
WMOK	Wichita Mounta	68.39 332	P	P	21 47 13.3 -0.3
Q45A	Warren Harvey	68.47 342	P	P	21 47 13.6 -0.2
ACSO	Alum Creek Sta	68.51 347	P	P	21 47 13.6 -0.5
P47A	Martinsville	68.54 344	P	P	21 47 14.1 -0.2
M58A	Price's Panora	68.57 352	P	P	21 47 14.2 -0.3
CCM	Cathedral Cave	68.59 340	eP	P	21 47 14.7 0.0
CCM	Cathedral Cave	68.59 340	P	P	21 47 14.8 +0.2
M59A	Waymart	68.62 353	P	P	21 47 15.5 +0.7
N54A	Moraine State	68.67 349	eP	P	21 47 16.1 +1.0
N54A	Moraine State	68.67 349	P	P	21 47 15.6 +0.5
KSPA	Keystone Colle	68.67 353	eP	P	21 47 14.4 -0.7
DBIC	Dimbokro	68.68 70	P	P	21 47 14.1 -1.7
DBIC	comp=Z,1.1nm,0.9s,baz=222,slow=9,1,SNR=5.4				22 14 52.0
DBIC	Dimbokro	68.68 70	eP	P	21 47 14.7 -1.1
O49A	Covington	68.76 346	eP	P	21 47 15.8 +0.1
M56A	Emporium	68.80 351	P	P	21 47 16.4 -0.2
MNTX	Cornudas Mount	68.92 325	eP	P	21 47 16.9 0.0
MNTX	Cornudas Mount	68.92 325	P	P	21 47 17.2 +0.3
M55A	Ridgway	68.97 350	P	P	21 47 16.6 -0.4
O48A	Farmland	69.01 345	P	P	21 47 16.3 -0.9
M54A	Oil Creek Stat	69.15 350	eP	P	21 47 18.2 +0.1
M54A	Oil Creek Stat	69.15 350	P	P	21 47 17.9 -0.2
L58A	Harry Jones Me	69.16 353	P	P	21 47 17.9 -0.3
M53A	Wl Miller and	69.25 349	P	P	21 47 18.8 +0.1
BINY	Binghamton	69.33 353	eP	P	21 47 20.2 +1.0
BINY	Binghamton	69.33 353	P	P	21 47 19.0 -0.2
ALLY	Alegheny Colle	69.36 349	eP	P	21 47 20.3 +0.9
N49A	Columbus Grove	69.42 346	P	P	21 47 19.9 +0.2
M52A	Chesterland	69.47 348	eP	P	21 47 21.1 +1.1
MSTX	Muleshoe	69.50 329	P	P	21 47 20.2 -0.4
P43A	Skaggs, Pawnee	69.54 342	P	P	21 47 20.6 +0.1
N48A	Decatur	69.55 345	P	P	21 47 20.4 -0.2
L53A	Girard	69.68 349	P	P	21 47 20.7 -0.6
N47A	Urbana	69.72 345	P	P	21 47 21.3 -0.3
ERPA	Erie	69.80 350	eP	P	21 47 22.7 +0.7
ERPA	Erie	69.80 350	P	P	21 47 22.5 +0.4
L54A	Sinclairville	69.81 350	P	P	21 47 22.4 +0.3
M49A	Liberty Center	69.91 346	P	P	21 47 23.0 +0.3
K55A	Perry	70.17 351	P	P	21 47 24.0 0.0
HDIL	Hopedale	70.33 342	P	P	21 47 25.4 0.0
L48A	N Adams	70.46 346	P	P	21 47 25.6 -0.5
L47A	Sherwood	70.66 346	P	P	21 47 27.7 +0.4
N43A	Stutzman Famil	70.66 342	P	P	21 47 27.3 0.0
J54A	Appleton	70.72 351	eP	P	21 47 28.6 +0.9
J54A	Appleton	70.72 351	P	P	21 47 28.1 +0.4
TYNO	Tyneside	70.73 350	P	P	21 47 28.3 +0.5
SYO	Syowa Base	70.76 159j	eP	P	21 47 28.4 -2.3
SYO	Syowa Base	70.76 159j	P	P	21 47 28.0 +0.3
SYO	Syowa Base	70.76 159j	eP	P	21 47 46.7 -1.8
NCB	Newcomb	70.91 354	eP	P	21 47 29.0 +0.1
N41A	Harden Midland	70.92 341	eP	P	21 47 29.0 0.0

N41A	Harden Midland	70.92 341	P	P	21 47 28.8 -0.1
J52A	Paris	70.97 350	P	P	21 47 29.2 0.0
TAOE	Nuku Hiva Isla	71.14 270	eLR	LR	22 09 12.7
PECO	Prince Edward	71.16 352	eP	P	21 47 30.7 +0.4
PECO	Prince Edward	71.16 352	P	P	21 47 30.5 +0.2
K48A	Perry	71.22 347	P	P	21 47 31.1 +0.4
N40A	Mentzlake, Sal	71.29 340	P	P	21 47 31.6 +0.4
DRWO	Darlington Wes	71.32 351	P	P	21 47 32.0 +0.7
DRCO	St. Marys Ceme	71.33 351	P	P	21 47 32.1 +0.8
KSU1	Kansas State U	71.35 336	P	P	21 47 31.5 -0.1
M41A	Milan	71.44 341	P	P	21 47 32.2 +0.1
BNM	Barren Site	71.51 326	eP	P	21 47 34.2 +1.2
I55A	Frankford	71.52 352	P	P	21 47 32.7 +0.2
LONY	Lake Ozonia	71.59 354	eP	P	21 47 33.8 +0.8
LONY	Lake Ozonia	71.59 354	P	P	21 47 32.8 -0.2
I51A	Listowel	71.61 349	P	P	21 47 32.6 -0.5
J48A	Bridge Port	71.62 347	P	P	21 47 32.5 -0.6
H56A	Elgin	71.73 353	P	P	21 47 34.4 +0.7
I52A	Shelburne	71.73 350	P	P	21 47 34.1 +0.3
GGN	Saint George	71.74 0	eP	P	21 47 34.6 +0.8
H55A	Comp=Z,2.2nm,1.4s	71.79 352	P	P	21 47 34.1 0.0
VNDA	Vanda	71.80 190	P	P	21 47 33.5 -0.4
VNDA	comp=Z,3.0nm,1.0s,baz=163,slow=5.9,SNR=9.8				22 19 30.4
VNDA	comp=Z,3.88nm,18.1s,baz=137,slow=36				21 47 36.2 +2.3
DELO	Deloro Mine	71.81 352	eP	P	21 47 35.0 +0.7
DELO	Deloro Mine	71.81 352	P	P	21 47 34.5 +0.2
PKME	Peaks-Kenny Pk	71.92 358	P	P	21 47 34.9 0.0
BWLO	Walkerton	71.93 349	P	P	21 47 35.1 +0.1
I49A	Point Hope	72.06 348	eP	P	21 47 35.9 +0.1
I49A	Point Hope	72.06 348	P	P	21 47 36.0 +0.3
ANMO	Albuquerque	72.06 327	P	P	21 47 35.1 -1.1
ANMO	Albuquerque	72.06 327	eP	P	21 47 37.4 +1.1
ANMO	Albuquerque	72.06 327	P	P	21 47 35.6 -0.7
BRCO	Bruce Peninsul	72.11 349	P	P	21 47 36.3 +0.3
TUC	Tucson	72.26 322	eP	P	21 47 39.1 +1.7
PLVO	Plevna	72.26 352	eP	P	21 47 37.3 +0.4
PLVO	Plevna	72.26 352	P	P	21 47 36.9 0.0
SADO	Sadowa	72.26 351	P	P	21 47 34.5 -2.4
SADO	comp=Z,5.5nm,0.6s,baz=239,slow=3.8,SNR=5.6				21 47 36.8 -0.1
L40A	Anamosa	72.27 341	P	P	21 47 37.3 +0.2
CBKS	Cedar Bluff	72.29 334	eP	P	21 47 38.0 +0.7
BANO	Bancroft	72.34 352	P	P	21 47 37.4 0.0
BMRO	Merrillville Lake	72.41 349	P	P	21 47 37.7 -0.1
G55A	Calabogie	72.43 353	P	P	21 47 36.9 -1.0
I48A	Sherman Twp	72.46 347	P	P	21 47 37.5 -0.6
G53A	Haliburton	72.54 351	P	P	21 47 38.4 -0.2
T25A	Trinidad	72.87 329	eP	P	21 47 41.1 +0.1
T25A	Trinidad	72.87 329	P	P	21 47 39.9 -1.2
PEMO	Pembroke	72.91 352	P	P	21 47 40.2 -0.6
BUKO	Buck Lake	72.96 351	P	P	21 47 40.7 -0.4
KLBO	Killbear Provi	72.99 350	P	P	21 47 41.0 -0.3
TOBO	Tobermory, Bru	73.07 349	P	P	21 47 41.5 -0.3
H46A	Fife Lake	73.11 346	P	P	21 47 42.4 +0.4
214A	Organ Pipe Nat	73.13 320	P	P	21 47 41.8 -0.7
GLMI	Grayling	73.28 347	P	P	21 47 42.3 -0.5
ALGO	Algonquin Park	73.28 352	P	P	21 47 42.9 0.0
F52A	Sudridge	73.29 351	P	P	21 47 42.9 -0.2
PQI	Presque Isle	73.30 359	eP	P	21 47 44.3 +1.3
I42A	Draefer Farm	73.35 344	eP	P	21 47 43.5 -0.1
I42A	Draefer Farm	73.35 344	P	P	21 47 43.2 -0.2
TBI	Tubual	73.50 252	eLR	LR	22 10 19.0
F51A	Arnstein	73.51 351	P	P	21 47 44.3 0.0
H43A	Windswept, Lux	73.61 345	eP	P	21 47 45.3 +0.3
H43A	Windswept, Lux	73.61 345	P	P	21 47 44.9 -0.1
KSCO	Kaye Shedlock	73.64 332	eP	P	21 47 47.2 +1.7
E54A	Lac Duplat, Po	73.65 353	P	P	21 47 45.0 -0.1
E53A	Dumoine, Ponti	73.65 352	P	P	21 47 45.0 -0.2
E52A	Mattawa	73.68 352	P	P	21 47 45.3 0.0
F49A	Sandfield	73.68 349	P	P	21 47 45.4 +0.1
G46A	Petoskey	73.78 347	P	P	21 47 45.6 -0.3
F48A	Evansville	73.85 349	P	P	21 47 46.6 +0.3
W18A	Petrified Fore	73.85 325	eP	P	21 47 47.6 +0.7
SDCO	Great Sand Dun	73.86 329	eP	P	21 47 47.8 +0.8
SDCO	Great Sand Dun	73.86 329	P	P	21 47 46.4 -0.6
BGNE	Belgrade	73.94 336	eP	P	21 47 47.6 +0.6
BGNE	Belgrade	73.94 336	P	P	21 47 47.4 +0.4
E51A	E11948 Merrick	74.04 351	P	P	21 47 47.8 +0.4
E50A	Wahnapitae	74.11 350	P	P	21 47 48.2 +0.3
X16A	Lo Mia Camp, P	74.21 323	eP	P	21 47 50.6 +1.6
F45A	CMU Biological	74.26 347	P	P	21 47 49.0 +0.3
D52A	Lac Fusel, La	74.30 353	P	P	21 47 49.5 +0.5
D54A	ZEK Kipawa Sen	74.33 352	P	P	21 47 49.2 +0.1
D53A	Lac Vacive, Po	74.34 352	eP	P	21 47 49.2 0.0
D53A	Lac Vacive, Po	74.34 352	P	P	21 47 49.4 +0.2

E48A	Lockeyer	74.40 349	P	P	21 47 49.7 +0.2
D51A	Lot 18 Range I	74.57 351	P	P	21 47 50.5 0.0
E47A	Iron Bridge	74.57 348	P	P	21 47 50.9 +0.4
E46A	Sault Ste Mari	74.68 348	P	P	21 47 51.1 -0.1
MVCO	Mesa Verde	74.86 327	P	P	21 47 52.4 -0.4
G40A	Rib Lake	74.96 343	P	P	21 47 52.9 +0.1
D48A	Paudash Townsh	75.02 350	P	P	21 47 53.5 +0.4
D49A	Beulah Townshi	75.04 350	P	P	21 47 53.4 +0.2
GLA	Glamis	75.08 320	eP	P	21 47 54.7 +0.8
D47A	Chapleau	75.12 349	P	P	21 47 53.6 -0.1
D46A	Sault St. Mari	75.13 348	P	P	21 47 53.3 -0.4
G39A	Holcombe	75.23 343	P	P	21 47 53.5 -0.9
E43A	Lone Tree Farm	75.24 346	eP	P	21 47 55.0 +0.6
VLDQ	Vai d'Or	75.33 353	eP	P	21 47 55.0 +0.1
Y12C	Blythe	75.42 321	eP	P	21 47 57.4 +1.7
ECSO	EROS Data Cent	75.46 338	eP	P	21 47 54.0 -1.7
ECSO	EROS Data Cent	75.46 338	P	P	21 47 55.4 -0.4
ISCO	Idaho Springs	75.59 330	eP	P	21 47 58.3 +1.4
ISCO	Idaho Springs	75.59 330	P	P	21 47 56.7 -0.3
SPMN	Marine on St.	75.63 341	P	P	21 47 5

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like HANS VALLEY, OMMB, NVAR, TPWA, ELK, ULM, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MKAR, GSI, ASAJ, PSI, WMQ, MAJ, MAJO, SONM, ULN, ULNL, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MLY, RIDG, PS08, DOT, MDM, ILAR, PCA, B3A3, PS06, etc.

MEX 13 22:17:56.4±0.5, 17.76N:93.77W, h49km±20km, MD3.9, Chiapas

ATH 13 22:30:09.1, 38.23N:22.11E, h11km±1km, ML1.2/3, Error ellipse: s-maj=1.7km s-min=0.8km az=5.0, Greece

ATH 13 22:30:13.4, 38.22N:22.11E, h11km±1km, ML1.7/3, Error ellipse: s-maj=1.5km s-min=1.1km az=269.0, Greece

ATH 13 22:30:17.3, 38.22N:22.11E, h11km±1km, ML1.7/3, Error ellipse: s-maj=1.5km s-min=1.1km az=269.0, Greece

UCR 13 22:41:17.3±1.0, 10.76N:85.93W, h39km±32km, MW3.6, 3C, Costa Rica

MAN 13 22:44:17.1, 13.71N:120.52E, h30km±3km, ML2.5, MS2.0, 1D, Mindoro

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SIGR, TURN, DALY, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NC602, NAO01, NC405, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MIRA, ITM, DID, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details for stations like TESR, VRI, PLOR, etc.

IDC 13 23:59:59.8:0.6, 11.69N:86.14W, h0km, mb3.9/8, mb1 4/1.1, mb1mx3.8/39, mbmp3.8/11, ML3.0/3, MS3.4/3, Ms1 3.4/3, ms1mx2.8/38, Error ellipse: s-maj=35.9km s-min=13.1km az=52.0

ISCJB 14 00:00:00.8:0.5, 11.09N:0.05:86.80W:0.04, h31km, mb4.4/68, MS3.6/3, Error ellipse: s-maj=6.5km s-min=3.8km az=37.1

UCR 14 00:00:00.3:4.1, 09.98N:86.96W, h13km, 49km, MW4.6 NEIC 14 00:00:03.7:1.9, 11.15N:86.63W, h35km, 3km, mb4.5/92, Error ellipse: s-maj=15.1km s-min=7.5km az=213.0

ISC 14 00:00:02.8:0.5, 11.04N:0.05:86.71W:0.05, h31km, n318, c124/318, mb4.5/68, MS3.4/3, 2C, Near coast of Nicaragua

Main table of station data for the left column, including call signs, names, frequencies, and modes.

Main table of station data for the middle column, including call signs, names, frequencies, and modes.

Main table of station data for the right column, including call signs, names, frequencies, and modes.

14d Oh

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Table with columns: Code, Station Name, Az, El, P, R, S, T, U, V, W, X, Y, Z. Includes stations like GLMI Grayling, BMRO Meriville Lake, G45A Suttons Bay, etc.

Table with columns: Code, Station Name, Az, El, P, R, S, T, U, V, W, X, Y, Z. Includes stations like KBL Kabul, G40A Rib Lake, G39A Holcombe, etc.

Table with columns: Code, Station Name, Az, El, P, R, S, T, U, V, W, X, Y, Z. Includes stations like AB31 Akbulak array, AB31 Akbulak array, AB31 Akbulak array, etc.

ISCJB 14 00:02:00.2, 0.2, 36.41N, 0.02:71.12E, 0.03, h200km, mb4.2/89, Error ellipse: s-maj=3.6km s-min=2.6km az=44.9
IDC 14 00:02:00.4, 2.1, 36.33N, 71.16E, h190km, mb3.6/25, m-bj 3.8/31, mb1mx3.6/57, mbtmp4.2/31, Error ellipse: s-maj=13.8km s-min=8.5km az=167.0
MOS 14 00:02:01.6, 0.8, 36.45N, 71.16E, h216km, mb4.1/35, Error ellipse: s-maj=7.7km s-min=4.6km az=90.5
BUI 14 00:02:02.0, 0.0, 36.66N, 71.13E, h220km, mb4.4/18, mb4.6/14
NEIC 14 00:02:02.6, 1.5, 36.48N, 71.15E, h217km, mb4.4/57, Error ellipse: s-maj=12.4km s-min=2.3km az=85.0
NNC 14 00:02:03.3, 8.3, 36.87N, 71.05E, h204km, mb3.6,

Table of station data for stations 687-975, including call signs (e.g., PSZ, OJC, LANS), coordinates, and operational parameters.

Main table of station data for stations 975-140, including call signs (e.g., FID, SDPT, KDAA), coordinates, and operational parameters.

NIED 14 00:09:00, 42.40N, 144.79E, h29km, Mw4.0 Best double couple: M1.32000x10^15 NP1.3x10^3.00000, 328.00000, 1.55.00000, NP2.2x10^4.00000, 367.00000, 1.107.00000

IDC 14 00:09:25.6, 3.2, 42.56N, 144.87E, h12km, 18km, mb3.8/16, m1.3 9/20, m1.1mx3.8/42, mbtmp3.8/20, ML3.8/3, MS3.2/14, Ms1.3 3/14, ms1.1mx3.1/39, Error ellipse: s-maj=18.6km s-min=15.3km az=176.0

NEIC 14 00:09:27.6, 1.4, 42.56N, 144.90E, h26km, 5km, mb4.5/39, Error ellipse: s-maj=11.2km s-min=7.2km az=131.0

NEIC Recorded (1 JMA) in southeastern Hokkaido. SKHL 14 00:09:27.0, 6.4, 42.36N, 144.82E, h44km, 2km, mb4.3/5 MOS 14 00:09:27.8, 1.2, 42.45N, 144.87E, h45km, mb4.4/20, Error ellipse: s-maj=10.5km s-min=6.8km az=82.3

JMA 14 00:09:28.1, 42.45N, 144.91E, h42km, 1km, M4.1 JMA Felt 1/11 ISC 14 00:09:25.0, 1.2, 42.49N, 0.05, 144.99E, 0.04, h12km, 7km, n142, s1918/149, mb4.4, 5.5, MS3.5/10, IC-2D, Hokkaido region

Table header for station data, including columns for Code, Station Name, Azimuth (AZ), Phase ID, Time, Res, and other parameters.

Table of station data for stations 140-1, including call signs (e.g., KUR, MAJO, YSS), coordinates, and operational parameters.

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like CMAR, MAJO, MJAR, etc.

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like YAK, YAKUTSK, DGZ, etc.

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BRLK, PPLA, SEW, etc.

Table with columns: ID, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 048A Farmland, R47A Wooly Knot Far, 5E3A Dumoine, etc.

Table with columns: ID, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBTR Krutoberegovo, KBTR Krutoberegovo, KBG Krutoberegovo, etc.

Table with columns: ID, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MCK, WRH Wood River Hill, CCB Clear Creek Bu, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

MDD 14 01:46:07.8,2.5,37.14N,13.39W,h30km,mb3.9/7, Error ellipse: s-maj=22.3km s-min=16.5km az=32.0, PRXIMO

ISC 14 01:46:08.2,3.7,37.37N,0.1,13.1W,0.2,h10km,n30, 1321/43,Azores-Cape St. Vincent Ridge

ISC 14 01:29:52.4,1.6,16.46S,174.28W,h0km,mb3.8/4, mb1 4.0/4,mb1mx3.6/20,mbtmp3.8/4, Error ellipse: s-maj=49.2km s-min=32.2km az=97.0, Tonga Islands

ISC 14 01:40:27.8,38.23N,22.11E,h11km,1km,ML1.7/3, Error ellipse: s-maj=1.9km s-min=0.9km az=231.0, Greece

ISC 14 01:45:42.9,0.8,55.21N,162.98E,h0km,mb3.7/15, mb1 3.9/16,mb1mx3.8/33,mbtmp3.7/16,ML2.8/1,MS3.1/4, MS1 3.1/4,ms1mx2.7/41, Error ellipse: s-maj=23.8km s-min=14.1km az=157.0

ISC 14 01:45:44.4,1.1,55.02N,163.20E,h33km,22km,ML4.5 MOS 14 01:45:46.5,0.8,55.09N,163.18E,h39km,mb4.2/7, Error ellipse: s-maj=7.2km s-min=5.3km az=84.4

ISC 14 01:45:52.0,1.5,54.72N,162.38E,h139km,23km, mb4.1/14, Error ellipse: s-maj=36.0km s-min=22.7km az=203.0

ISC 14 02:06:26.7,2.0,38.23N,22.09E,h11km,1km,mb3.2/4, Error ellipse: s-maj=2.7km s-min=2.4km az=136.0

ATH 14 02:06:26.2,38.23N,22.09E,h15km,1km,ML2.9/26, Error ellipse: s-maj=1.2km s-min=0.6km az=322.0

THE 14 02:06:26.9,38.23N,22.10E,h7km,ML2.9/25, Error ellipse: s-maj=0.8km s-min=0.4km az=12.0

ISC 14 02:06:31.7,2.5,38.04N,22.14E,h56km,29km,mb3.0/5, mb2 3.3/9,mb1mx3.1/44,mbtmp3.3/9,ML3.3/4, Error ellipse: s-maj=25.6km s-min=18.0km az=47.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Aigion, Kalithea, Kalavryta, and Vlachokerasia.

Table with columns: VLX, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Vlachokerasia, Platees, Simia, and Valsamata.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like Bitlis-Merkez, Silvan-Diyarbakir, and Bujumbura.

ISCJB 14 02:09:13.6:0.9,37:10N:0.04:42.46E:0.05,h4km,gkm, Error ellipse: s-maj=7.0km s-min=6.3km az=178.0

Bu 14 02:21:31.2:0.0,32.62N:105.25E,h24km,ML3.6/13, Ms3.5/M7 3.5/4,Sichuan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FYU Fort Yukon, PPLA Purkeypile, SIT Sitka, etc.

SOME 14 06:08:27.5, 39°63N, 177°18E, h10km
KRNET 14 06:08:30.7 ± 1.3, 39°63N, 177°18E, h10km
NINC 14 06:08:31.7 ± 1.8, 39°63N, 177°42E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=12.4km s-min=10.6km az=18.0

Main table for the first column, listing station codes and names like NRN Naryn, KDJ Kajisay, ULHL Ulahol, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PDGK Podgornoye, CHKK Chushkaly, CHKK Chushkaly, etc.

ROM 14 06:11:45.1 ± 0.1, 43°328N, 10°066E, 12°039E, 0°009, h7km, ML1.27, Error ellipse: s-maj=0.9km s-min=0.3km

Main table for the second column, listing station codes and names like SFI Santa Sofia, ASQU Asqua, ASQU Asqua, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CAFI, ATVO AVT- Monte Val, ATVO, etc.

14 06:12:03.6, 44°19N, 10°16E, h3km, M10.4, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EQUI Equi, EQUI Graiana, GRAM.

ISCJB 14 06:22:33.8 ± 0.4, 38°18N, 0°02:26°74E, 0°03, h2km, 4km, Error ellipse: s-maj=4.7km s-min=2.7km az=150.6
DDA 14 06:22:33.4, 38°20N, 26°73E, h7km, 2km, ML2.7
ATH 14 06:22:33.3, 38°12N, 26°73E, h30km, 4km, ML2.7/3, Error ellipse: s-maj=8.7km s-min=1.4km az=228.0
ISK 14 06:22:33.5, 38°20N, 26°75E, h5km, ML2.7/7
THE 14 06:22:34.2, 38°17N, 26°73E, h6km, 2km, ML2.6/4, Error ellipse: s-maj=3.8km s-min=0.9km az=243.0
ISC 14 06:22:34.0 ± 0.9, 38°19N, 0°02:26°75E, 0°03, h11km, 6km,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GMLD Gumuldur, GMLD, DGB zmir, etc.

14 06:22:34.0 ± 0.9, 38°19N, 0°02:26°75E, 0°03, h11km, 6km,

Main table for the third column, listing station codes and names like BLCB Balcova, KRBN Baraburun, SMG Samos, etc.

IDC 14 06:42:47.9 ± 4.3, 24°26'S, 177°20'W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.6/33, mbtmp3.9/3, Error ellipse: s-maj=216.8km s-min=44.7km az=156.0, South of Fiji Islands

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

PAS 14 06:50:42.7 ± 0.0, 32°16'N, 115°17'W, h21km
NEIC 14 06:50:44.5 ± 0.0, 32°18'N, 115°28'W, h6km, MD2.7(EECX), ML2.8(PAS), ML2.7(PAS), After EOX

ECX 14 06:50:44.5 ± 0.5, 32°18'N, 115°28'W, h6km, MD2.5, ML2.7, 1C, California-Baja California border region

Main table for the fourth column, listing station codes and names like CPBX Cerro Prieto, RMX La Rumorosa, IKP In-Ko-Pah, etc.

14d 7h

Table with columns: EML, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

ISCJB 14 06:52:39.0, 1.7, 18.48N, 0.06, 146.6E, 0.4, h64km, mb3.8/8, Error ellipse: s-maj=55.5km s-min=8.3km az=3.2

ISC 14 06:52:43.4, 5.8, 18.43N, 146.33E, h64km, mb3.6/8, mb1.3/7.10, mb1mx3.4/5.2, mbtmp3.9/10, MS3.0/1, Ms1.3/0.1, ms1mx2.4/3.1, Error ellipse: s-maj=59.7km s-min=15.3km az=84.0

ISC 14 06:52:40.4, 2.3, 18.51N, 0.08, 146.6E, 0.5, h64km, n17, o883/11, mb3.9/8, Mariana Islands

Table with columns: Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

NNC 14 06:54:23.8, 0.5, 44.33N, 75.58E, h1km, 4km, mb3.6, mp3.6, Error ellipse: s-maj=3.6km s-min=2.8km az=40.0

SOME 14 06:54:25.7, 4.4, 32.2N, 75.60E, h20km, KNET 14 06:54:26.8, 0.3, 44.17N, 75.52E, h18km, 2km, ml2.7, Error ellipse: s-maj=2.1km s-min=1.8km az=67.0

ISC 14 06:54:24.5, 1.1, 44.28N, 0.02, 75.54E, 0.02, h10km, 9km, n63, o889/110, 37C-17D, Eastern Kazakhstan

Table with columns: Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

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Main table with columns: Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

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Table with columns: Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

ISCJB 14 07:24:50.1, 0.3, 19.45N, 0.03, 109.09W, 0.02, h10km, mb4.0/39, MS4.2/19, Error ellipse: s-maj=4.4km s-min=3.1km az=5.6

ISC 14 07:24:50.8, 0.8, 19.46N, 109.22W, h0km, mb3.7/8, mb1.4/0.14, mb1mx3.9/33, mbtmp3.8/14, ML3.6/6, MS4.1/21, Ms1.4/1.21, ms1mx4.0/36, Error ellipse: s-maj=19.3km s-min=14.3km az=59.0

MEX 14 07:24:51.3, 0.9, 19.72N, 109.01W, h10km, MD4.0, NEI 14 07:24:52.6, 6.2, 19.46N, 109.09W, h10km, 3km, mb4.0/76, MD4.1 (MEX), Error ellipse: s-maj=16.8km s-min=7.7km az=218.0

GCMT 14 07:24:53.6, 0.2, 19.71N, 0.01, 109.05W, 0.01, h20km, MW5.1/108, Moment Tensor Solution. s56, c71; s108, c165; Duration: 0 Moment tensor: Scale 10^16Nm; M1=0.29, 14; M2=5.20, 13; M3=5.49, 13; M4=0.05, 22; M5=1.67, 10; M6=0.65, 21; Best double couple: M5, 6.500x10^16 Np1, 36.00000; 886.00000; 7.5.00000; NP2, 306.00000; 885.00000; 1.176.00000; Principal axes: T 5.8150, P166.0000; Azm261.0000; N -5580, P164.0000; Azm76.0000; P166.0000; Azm171.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 14 07:24:52.1, 0.6, 19.51N, 0.06, 109.04W, 0.04, h10km, n234, o1944/225, mb4.0/37, MS4.2/19, Revilla Gigedo Islands region

Table with columns: Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B, Code, Station Name, Time, Res, Pn, S, Sg, P, B, M, L, K, N, B

DJA 14 07:15:44.4, 0.8, 10.10S, 6.119E, h10km, M3.9/7, mb4.0/1, ML3.8/7, South of Sumbawa

Table with columns: Call Sign, Locality, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like N47A Urbana, CRLO Chalk River, G53A Haliburton, etc.

Table with columns: Call Sign, Locality, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like X46A Booneville, P55A Reedsville, S5PA Stang-Hao Te, etc.

Table with columns: Call Sign, Locality, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes entries like ARU ARU, HHC Hu-ho-hao-te, DGZ Jazzart, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, SNR, etc. Rows include Q56A Snyder Ridge, PKME Peaks-Kenny Pk, X49A Woodville, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, SNR, etc. Rows include X55A Gracelyn & Ava, U58A Oxford, 251A Midway, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, SNR, etc. Rows include AKKB Malin Array Si, AKKB Malin Array Si, MORC Moravsky Berou, etc.

PGC 14 09:41:13.1, 61.57N, 141.70W, h4km, ML2.4/11, 210km Wnnw of Haines Jct., Yt Southern Alaska, Southern

Table with columns: Code, Station Name, Azimuth, Elevation, Power, Mode, Frequency, SNR, etc. Rows include YUK2 White River, YUK3 Moose Creek, YUK1 Sand Pete Hill, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like R50A Paris, V47A Nunnelly, U48A Cassie Pea, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PKI Pulchoki, PKN Pulchoki, PMN Daman, etc.

DJA 14 11:23:08.6i.0.4,3'N.3°12'7E, h10km, M4.0/6, Mlv4.0/6, ISCBJ 14 11:23:09.0i.5,2'56N.0°06'126.95E.0.10, h55km, mb3.8/9, MS3.7/2, Error ellipse: s-maj=15.1km

s-min=5.7km az=157.0, IDC 14 11:23:11.5i.3,2'30N.126°72E, h65km, 49km, mb3.5/9, mb1.3/7.0, mb1mx3.4/4.1, mbmp3.8/10, ML3.3/1, MS3.5/3, Ms1.3.5/3, ms1mx2.8/3.1, Error ellipse: s-maj=55.1km s-min=15.7km az=84.0

ISC 14 11:23:11.0i.0.7,2'47N.0°08'126.8E.0.1, h55km, n15, c155/17, mb3.9/9, Northern Malouca Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SGSI Sangihe, TINTI Ternate, LBMI Labuha, etc.

IDC 14 11:26:08.3i.1.0,7°06'N.33°92'W, h0km, mb3.9/8, mb1.4/0.8, mb1mx3.8/3.9, mbmp3.9/8, ML4.7/1, MS3.4/16, Ms1.3.4/16, ms1mx3.2/3.9, Error ellipse: s-maj=36.1km s-min=21.4km az=154.0

ISCJB 14 11:26:09.0i.0.5,7°0N.0°1.3,33°72'W.0°08', h15km, mb4.2/21, MS3.4/16, Error ellipse: s-maj=15.2km s-min=10.7km az=158.1

NEIC 14 11:26:11.7i.2.3,7°20'N.33°77'W, h10km, mb4.5/16, Error ellipse: s-maj=28.6km s-min=19.5km az=145.0

ISC 14 11:26:11.5i.0.6,7°0N.0°1.3,33°8'W.0.1, h15km, n50, c1517/30, mb4.3/21, MS3.5/16, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SACV Santiago Islan, RCBR Riachuelo, RCBR Riachuelo, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like VRAC Vranov, IDI Anoyia, NOA NORSAR, etc.

JMA 14 11:27:35.4i.0.1,23°45'N.122°17'E, h52km, M2.7, ISCBJ 14 11:27:41.8i.0.7,24°69'N.0°04'122.64E.0.03, h101km, 6km, Error ellipse: s-maj=7.1km s-min=4.4km az=173.1

TAP 14 11:27:41.1,24°80'N.122°65'E, h103km, ML3.5, D, ISC 14 11:27:41.4i.1,8.247IN.0°06'122.64E.0.04, h103km, 11km, n36, c1917/62, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, EOS1 EOS1, etc.

Table with columns: TWG, Pinlang, 2.36 218 eS, Pn, 11 28 18.8 -0.1, etc. Includes station names like Shoufeng, Niangchiao, etc.

Table with columns: NMLH, Miaoili, 1.03 311 eP, Pn, 11 28 02.8 +1.3, etc. Includes station names like Bamboo Saint A, Stony Hill, etc.

Table with columns: RAR, Rarotonga, 15.41 81 ePn, Pn, 11 51 47.1 -1.7, etc. Includes station names like Black Stump Fm, Hauti, etc.

GUR	Goura	0.35 148	P	Pg	11 50 49.4	-0.5
GUR			S	Sg	11 50 55.0	+0.3
GUR			AML	AML	11 50 55.6	
GUR	comp=N,39627µm,0.5s		AML	AML	11 50 55.7	
DSF	Desfina	0.38 62	P	Pg	11 50 50.0	-0.4
DSF			S	Sg	11 50 55.7	+0.2
DSF	comp=E,11µm,0.2s		P	Pg	11 50 50.0	-0.4
DSF	Desfina	0.38 62	S	Sg	11 50 55.7	+0.2
DSF			AML	AML	11 50 56.3	
DSF	comp=N,14795µm,0.2s		AML	AML	11 50 56.8	
ANX	Ano Chora	0.38 338	P	Pg	11 50 50.0	-0.5
ANX			S	Sg	11 50 55.9	+0.2
ANX	comp=E,5µm,0.5s		P	Pg	11 50 50.0	-0.5
ANX	Ano Chora	0.38 338	S	Sg	11 50 55.7	+0.2
DLFA	Delphi	0.39 52	P	Pg	11 50 56.1	+0.1
DLFA			S	Sg	11 50 56.4	
DLFA	comp=E,12392µm,0.4s		AML	AML	11 50 56.7	
THAL	Thalero	0.48 114	P	Pb	11 50 52.6	-0.7
THAL			S	Sb	11 50 59.9	-0.5
THAL	comp=N,18234µm,0.4s		AML	AML	11 50 52.6	-0.7
THAL	Thalero	0.48 114	S	Sb	11 50 52.6	-0.7
THAL			AML	AML	11 50 59.3	-1.1
THAL	comp=N,12µm,0.3s		P	Pb	11 50 52.5	-0.8
THAL	Thalero	0.48 114	S	Sb	11 50 59.3	-1.1
THAL			AML	AML	11 51 00.0	
THAL	comp=E,24013µm,0.3s		AML	AML	11 51 05.1	
THAL	comp=N,22249µm,0.2s		AML	AML	11 51 05.1	
RLS	Riolos of Patr	0.53 251	P	Pg	11 50 52.6	-0.6
RLS	Riolos of Patr	0.53 251	S	Sg	11 50 52.6	-0.6
RLS			AML	AML	11 51 05.6	
RLS	comp=N,3484µm,0.4s		AML	AML	11 51 05.6	
PVO	Paravola	0.59 310	P	Pg	11 50 53.9	-0.5
PVO			S	Sg	11 51 02.9	-0.6
PVO	comp=E,1µm,0.5s		P	Pg	11 50 54.0	-0.5
PVO	Paravola	0.59 310	S	Sg	11 51 02.9	-0.6
PVO			AML	AML	11 51 10.6	
PVO	comp=N,2602µm,0.5s		AML	AML	11 51 12.7	
PROD	Prodomos	0.63 88	P	Pg	11 50 54.6	-0.5
PROD			S	Sb	11 51 04.3	-0.3
PROD			S	Sb	11 50 54.8	-0.3
PROD			S	Sb	11 51 03.8	-0.8
PROD			AML	AML	11 51 05.4	
PROD	comp=E,13254µm,0.2s		AML	AML	11 51 05.7	
ACOR	Acrocorinthos	0.70 120	P	Pg	11 50 55.8	-0.5
ACOR			S	Sb	11 51 06.0	-0.5
ACOR			AML	AML	11 51 09.4	
ACOR	comp=N,2469µm,0.2s		AML	AML	11 51 12.6	
EVR	Evrytania	0.72 341	P	Pg	11 50 55.8	-1.0
EVR			S	Sb	11 51 06.5	-0.8
EVR	comp=E,2µm,0.8s		P	Pg	11 50 56.2	-0.6
EVR	Evrytania	0.72 341	S	Sb	11 51 06.1	-0.1
EVR			AML	AML	11 51 13.6	
EVR	comp=N,4597µm,0.9s		AML	AML	11 51 14.6	
TRIP	Tripoli	0.72 169	P	Pg	11 50 55.8	-1.0
TRIP			S	Sb	11 51 07.4	+0.1
TRIP	comp=E,4µm,0.5s		P	Pg	11 50 56.2	-0.6
TRIP	Tripoli	0.72 169	S	Sb	11 51 06.6	-0.7
TRIP			AML	AML	11 51 09.0	
TRIP	comp=N,5799µm,0.5s		AML	AML	11 51 10.8	
LOUT	Loutrak	0.73 110	P	Pg	11 50 56.8	-0.2
LOUT			S	Sb	11 51 06.5	-0.0
LOUT			AML	AML	11 51 07.2	+0.5
LOUT	Artemida-Makis	0.77 204	S	Sb	11 51 09.9	+1.3
AMT	Artemida-Makis	0.77 204	P	Pg	11 50 57.3	-0.5
AMT			AML	AML	11 51 11.6	
AMT	comp=N,17969µm,0.4s		AML	AML	11 51 14.6	
VTN	Vitineika	0.79 246	P	Pb	11 50 58.4	-0.1
AGG	Agios Georgios	0.80 13	S	Sg	11 50 57.1	-1.3
AGG			S	Sg	11 51 08.5	-0.4
AGG	comp=E,2µm,0.6s		P	Pg	11 50 57.3	-1.1
AGG	Agios Georgios	0.80 13	S	Sg	11 51 08.5	-0.5
AGG			AML	AML	11 51 10.9	
AGG	comp=E,2967µm,0.5s		AML	AML	11 51 14.6	
LKR	Lokris	0.82 59	P	Pg	11 50 57.4	-1.2
LKR			S	Sb	11 51 10.1	+0.1
LKR	comp=N,2µm,0.3s		P	Pg	11 50 57.5	-1.1
LKR	Lokris	0.82 59	S	Sb	11 51 11.1	
LKR			AML	AML	11 51 14.9	
ATAL	Atalanti	0.85 57	P	Pg	11 50 57.9	-1.4
ATAL			S	Sb	11 51 10.7	-0.4
ATAL	comp=E,2µm,0.6s		P	Pg	11 50 58.1	-1.3
ATAL	Atalanti	0.85 57	S	Sb	11 51 10.0	-0.4
ATAL			AML	AML	11 51 15.5	
ATAL	comp=N,2788µm,0.5s		AML	AML	11 51 16.6	
VLX	Vlachokerasia	0.89 166	P	Pg	11 50 59.0	-1.1
VLX			S	Sb	11 51 13.2	+0.9
VLX	comp=E,7µm,0.4s		P	Pg	11 50 59.1	-1.0
VLX	Vlachokerasia	0.89 166	S	Sb	11 51 12.1	-0.1
VLX			AML	AML	11 51 14.5	
VLX	comp=N,10627µm,0.4s		AML	AML	11 51 18.7	
VIL2	Villia	0.92 91	P	Pn	11 51 01.1	-0.5
VIL2			AML	AML	11 51 17.1	
VIL2	comp=N,11018µm,0.6s		AML	AML	11 51 20.7	
VILL	Villia	0.96 94	P	Pg	11 51 00.7	-0.6
VILL			S	Sb	11 51 15.2	-0.6
VILL	comp=E,7µm,0.7s		P	Pg	11 51 01.7	-0.7
EPID	Epidavros	1.02 127	P	Pg	11 51 02.7	-0.2
KFL	Aminrata	1.04 263	P	Pb	11 51 02.1	-1.2
ITM	Ithomi	1.06 188	P	Pg	11 51 18.6	+0.2
ITM			S	Sb	11 51 18.6	+0.2
ITM	comp=E,2µm,0.4s		P	Pg	11 51 02.2	-1.2
ITM	Ithomi	1.06 188	S	Sb	11 51 22.5	
ITM			AML	AML	11 51 25.2	
ITM	comp=N,4065µm,0.4s		AML	AML	11 51 25.2	
SMIA	Simia	1.08 53	P	Pg	11 51 02.8	-0.8
SMIA			S	Sb	11 51 18.2	-0.6
SMIA	comp=E,3µm,0.6s		P	Pg	11 51 03.3	-0.3
SMIA	Simia	1.08 53	S	Sb	11 51 04.2	-0.9
DID	Didima	1.16 129	P	Pg	11 51 23.1	
DID			AML	AML	11 51 23.1	
DID	comp=E,6550µm,0.5s		AML	AML	11 51 23.9	
KRND	Kranidi	1.19 135	P	Pg	11 51 04.9	-0.8
KRND			S	Sb	11 51 22.5	+1.1
KRND	comp=N,3µm,0.5s		P	Pg	11 51 04.8	-0.9
KRND	Kranidi	1.19 135	S	Sb	11 51 20.0	0.0
KRND			AML	AML	11 51 25.0	
KRND	comp=N,4690µm,0.4s		AML	AML	11 51 26.0	
KRND	comp=E,6981µm,0.5s		AML	AML	11 51 26.0	
VLS	Valsamata	1.19 288	P	Pg	11 51 04.3	-1.5
EVGI	Lefkada Island	1.20 269	P	Pb	11 51 05.3	-0.3
FSK	Fiskardo	1.23 281	P	Pn	11 51 05.1	-0.8

MRKA	Markates	1.26 68	P	Pb	11 51 06.2	-0.3
MRKA			S	Sn	11 51 23.4	+0.2
MRKA	comp=E,958nm,0.7s		P	Pb	11 51 06.3	-0.3
MRKA	Markates	1.26 68	S	Sn	11 51 06.3	-0.3
LKD2	Lefkada Island	1.26 296	P	Pb	11 51 06.0	-0.4
TSKL	Tsoukalades, L	1.29 298	P	Pb	11 51 07.9	-0.5
ATH	Athens Observa	1.30 101	P	Pb	11 51 07.0	-0.3
ATH			AML	AML	11 51 29.5	
ATH	comp=E,3336µm,0.7s		AML	AML	11 51 32.5	
THL	Klokotos Trika	1.33 357	P	Pg	11 51 08.0	-0.4
THL			S	Sn	11 51 26.5	+1.6
THL	comp=N,548nm,0.9s		P	Pg	11 51 07.9	-0.5
THL	Klokotos Trika	1.33 357	S	Sn	11 51 26.5	+1.6
THL			P	Pg	11 51 07.2	-0.2
THL	Cytkoto Volos	1.34 29	P	Pn	11 51 07.4	-0.2
ATHU	Athens Univer	1.35 101	P	Pn	11 51 07.4	-0.2
PYL	PYLOS	1.37 192	P	Pn	11 51 07.4	-0.2
PYL			S	Sg	11 51 27.8	+0.9
PYL	comp=N,1µm,0.6s		P	Pg	11 51 07.6	-0.2
PYL	PYLOS	1.37 192	S	Sg	11 51 27.8	+0.9
NEO	Neokhori	1.38 39	P	Pn	11 51 08.0	-0.1
VLY	Voula,Athens	1.39 106	P	Pn	11 51 08.1	0.0
PTL	Penteli	1.40 97	P	Pn	11 51 08.1	-0.2
PTL			S	Sg	11 51 27.4	-0.6
PTL	comp=N,1µm,0.7s		P	Pn	11 51 08.3	0.0
PTL	Penteli	1.40 97	AML	AML	11 51 30.1	
PTL	comp=E,2559µm,0.7s		AML	AML	11 51 33.0	
PTL	comp=N,1812µm,0.8s		AML	AML	11 51 34.2	
XOR	Xorichti	1.41 37	P	Pn	11 51 08.4	-0.1
XOR	Xorichti	1.41 37	S	Sn	11 51 08.4	-0.1
SKIA	Skiathos	1.41 49	P	Pn	11 51 08.3	-0.1
EREA	Ererithra	1.45 82	S	Sg	11 51 09.1	+0.1
EREA			P	Pb	11 51 28.8	-0.7
EREA	comp=N,1µm,0.4s		P	Pg	11 51 09.2	-0.6
EREA	Ererithra	1.45 82	AML	AML	11 51 33.2	
EREA	comp=N,2156µm,0.4s		AML	AML	11 51 34.8	
DION	Dionisos Atis	1.45 96	P	Pg	11 51 09.3	-0.5
DION			S	Sg	11 51 29.0	-0.6
DION	comp=E,808nm,0.5s		P	Pg	11 51 09.4	-0.5
DION	Dionisos Atis	1.45 96	AML	AML	11 51 30.8	
DION	comp=N,120µm,0.7s		AML	AML	11 51 34.2	
DION	comp=N,2008µm,0.3s		AML	AML	11 51 34.2	
VLI	Veliai	1.66 156	P	Pn	11 51 11.9	+0.2
VLI	Veliai	1.66 156	P	Pg	11 51 12.1	+0.3
MEV	Metsovon	1.69 337	P	Pn	11 51 14.5	+0.8
KARY	Karystos	1.85 96	P	Pb	11 51 16.0	-0.6
LIT	Litokhoron Trika	1.89 9	P	Pb	11 51 17.1	+0.4
IGT	Igoumitsea	1.89 314	P	Pb	11 51 17.8	+0.4
KTHA	Kythira Island	2.12 159	P	Pn	11 51 19.2	+1.1
KEG	Kerkira	2.32 310	P	Pb	11 51 23.1	-1.6
ANKY	Antikythira Is	2.55 158	P	Pn	11 51 25.0	+1.0
AFE	Apeiranthos	2.96 112	S	Sn	11 51 32.3	+2.5
OHR	Ohrid	3.04 341	P	Pn	11 51 38.3	+1.3
VAY	Valandovos	3.10 7	P	Pn	11 51 32.3	+0.7
IMMV	Iera Moni Meta	3.15 151	P	Pn	11 51 33.9	+1.6
VAM	Vamos	3.29 149	P	Pn	11 51 34.6	+0.4
TIF	Tirane	3.55 332	P	Pb	11 51 42.5	-3.1
MMB	Musumiste	3.57 20	P	Pn	11 51 49.0	+9.9
IDI	Anoyia	3.70 142	P	Pn	11 51 40.7	+0.8
IDI	comp=E,1.9nm,0.3s,baz=315,slow=16,SNR=13		Sn	Sn	11 52 23.4	-0.1
KKB	Krupnik	3.70 11	P	Pb	11 51 44.6	-3.6
SKO	Skopje	3.77 352	P	Pn	11 51 44.4	+3.6
RZN	Rozhen	3.99 29	eP	Pn	11 51 44.5	+0.5
KRDZ	Kurdzhali	4.25 36	eP	Pn	11 51 46.3	-1.2
LIT	Litopangrande	4.29 284	P	Pb	11 51 54.5	-3.7
VTS	Vitosha	4.46 11	P	Pn	11 52 17.1	+1.2
VTS	Vitosha	4.46 11	S	Sn	11 52 41.7	-0.7
VTS	Vitosha	4.46 11	eP	Pn	11 51 54.0	+3.5
Podgorica		4.72 333	P	Pn	11 51 57.3	+3.4
Podgorica		4.72 333	S	Sn	11 52 53.5	+4.8
MATE	Matejica	4.82 102	P	Pn	11 52 05.9	+5.6
DBRK	Dubrovnik	5.36 327	Sn	Sn	11 53 05.4	+1.1
BLBK	Belogradchik	5.40 4	P	Pn	11 52 05.8	+2.6
BLBK	Belogradchik	5.40 4	S	Sn</		

14d 14h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like T25A Trinidad, SDCO Great Sand Dun, Y14A Wickenburg, etc.

NEIC 14 12:14:42.0, 0.16:19N:97:32W, h14km, MD4.0 (MEX), After MEX

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VHO Vista Hermosa, TLIG Tilapa, etc.

ISCJB 14 12:40:15.9, 0.40:73N:0:03:34:09E, h5km, 6km, Error ellipse: s-maj=5.6km s-min=4.5km az=11.6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TOS Tosya, CANT Cankiri, etc.

ISC 14 12:44:59.0, 1.4, 34:64N:91:08E, h24km, 6km, mb4.0/3, Error ellipse: s-maj=23.9km s-min=12.2km az=73.0

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ISC 14 12:44:55.6, 0.6, 34:47N:0:07:00.8E, 0.1, h10km, n32, az=256/28, mb3.9/12, MS3.1/3, Qinghai

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LSA Lhasa, MK32 Makanchi Array, etc.

DJA 14 12:52:18.0, 0.7, 10:54S:11:4E, h13km, 5km, M3.8/13, ML3.8/13, South of Bali

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAGI Jajag, Banyuwa, IGBI Denpasar, etc.

DJA 14 13:06:12.5, 1.8, 0N:5:12'E, h12km, 15km, M3.7/7, ML3.7/7, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LUWI Luwuk, LUWI Luwi, etc.

ARO 14 13:07:29.2, 12N:170:45E, 1.4, h15km, 9gkm, M3.8, Western Gulf of Aden

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like OBO Obock, MCAD Moucha, etc.

ISCJB 14 13:09:38.3, 1.3, 19:9S:0:3:177:8W, 0.2, h550km, mb3.8/10, Error ellipse: s-maj=47.9km s-min=13.5km az=158.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, ASAR Alice Springs, etc.

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IDC 14 13:28:59.5, 0.9, 2:50N:128:12E, h0km, mb3.7/6, mb1.3/9.7, mb1mx3.6/36, mbtmp3.8/7, MS2.9/1, Ms1.2/9.1, ms1mx2.3/29, Error ellipse: s-maj=74.1km s-min=17.1km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TMT Ternate, SGTI Sangihe, etc.

MEX 14 13:54:05.6, 0.5, 16:27N:94:65W, h90km, 7km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, PCIG Huatulco, etc.

SJA 14 14:01:42.3, 0.5, 30:60S:71:19W, h80km, 7km, ML4.0, MW4.4, Near coast of central Chile

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AROD Rodeo, ACCO Cerro Coronel, etc.

IDC 14 14:19:04.1, 7.8, 25:89N:127:30E, h0km, mb4.0/4, mb1.0/4.0, mb1mx3.6/36, mbtmp4.0/4, Error ellipse: s-maj=25.4km s-min=11.8km az=20.0

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

ISCJB 14 14:19:48.8, 0.5, 15:1S:0:1:173:80W, 0.1, h10km, mb4.0/1, MS3.7/8, Error ellipse: s-maj=18.0km s-min=13.0km az=160.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NIUE Niue, KNTN Kanton, etc.

IDC 14 14:19:49.3, 1.7, 14:97S:173:87W, h0km, mb3.9/6, mb1.4/3.6, mb1mx3.9/29, mbtmp3.9/6, MS3.7/6, Ms1.3/7.6, ms1mx3.3/25, Error ellipse: s-maj=109.5km s-min=22.5km az=151.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NIUE Niue, KNTN Kanton, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WAKE ISLAND, WARRAMUNGA ARR, ALICE SPRINGS, etc.

SJA 14:20:36.70.6, 31.26S, 68.47W, h104km, 77km, ML3.2, MW3.7, San Juan Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Cerro Valdivia, Leoncito, AROD, etc.

ISCJB 14:21:47.60.5, 1.43S, 0.04x119.79E, 0.04, h10km, mb3.7/4, Error ellipse: s-maj=6.4km s-min=4.9km az=35.6

ISC 14:21:49.51.4, 1.65S, 120.24E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.5/2, mbtmt3.7/5, ML3.4/1, Error ellipse: s-maj=69.6km s-min=23.0km az=63.0

DJA 14:21:49.4.1.2, 1.2S, 121.0E, h16km, 14km, M4.3/13, mb4.5/1, mb4.8/1, MLV4.2/13, MW(mb)4.0/1

ISC 14:21:47.9.1.0, 1.44S, 0.05x119.78E, 0.04, h10km, n15, r131/21, mb3.8/1, mb3.8/1, mb3.8/1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Tana Toraja, Ampama, Sangatta, Kali, Sidrap, etc.

ISCJB 14:25:10.8.0.5, 15.5S, 0.1x173.81W, 0.09, h10km, mb4.1/12, MS3.6/3, Error ellipse: s-maj=17.0km s-min=13.0km az=168.5

ISC 14:25:10.5.1.5, 15.58S, 173.59W, h0km, mb3.9/7, mb1 4.3/7, mb1mx4.0/24, mbtmt3.9/7, MS3.4/1, Ms1 3.4/1, ms1mx3.0/18, Error ellipse: s-maj=69.8km s-min=22.7km az=150.0

NEIC 14:25:12.3.1.0, 15.39S, 173.82W, h10km, mb4.5/5, Error ellipse: s-maj=28.2km s-min=11.4km az=154.0

ISC 14:25:12.7.0.7, 15.45S, 0.2x173.8W, 0.2, h10km, n34, r688/25, mb4.2/12, MS3.7/3, 2C-1D, Tonga Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Niue, Papeete, PPT2, PPT2, TBI, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LTX, TXAR, CCB, PD31, etc.

IDC 14:14:26:19.4.2.2, 16.71S, 178.52W, h0km, mb3.6/5, mb1 4.0/5, mb1mx3.7/26, mbtmt3.6/5, Error ellipse: s-maj=138.7km s-min=28.3km az=152.0, Fiji Islands

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

IDC 14:14:38:30.6.0.6, 35.96N, 68.75E, h0km, mb4.2/26, mb1 4.4/32, mb1mx4.2/53, mbtmt4.3/32, ML4.5/5, MS3.4/19, Ms1 3.4/19, ms1mx3.3/36, Error ellipse: s-maj=13.6km s-min=10.7km az=171.0

BUI 14:14:38:31.2.0.0, 36.35N, 68.57E, h13km, mb4.6/35, mb4.7/26, Ms4.1/16, Ms7.3/8/15

NEIC 14:14:38:33.4.2.2, 36.06N, 68.75E, h16km, 14km, mb4.5/35, Error ellipse: s-maj=6.9km s-min=4.6km az=182.0

MOS 14:14:38:34.3.1.4, 36.19N, 68.87E, h27km, mb4.6/38, Error ellipse: s-maj=5.7km s-min=4.3km az=86.4

ISCJB 14:14:38:34.1.0.2, 36.13N, 0.02x68.83E, 0.03, h30km, mb4.4/72, MS3.4/19, Error ellipse: s-maj=3.6km s-min=2.8km az=31.9

NMC 14:14:38:35.0.2.5, 36.12N, 68.51E, h50km, 28km, mb4.7, mpv4.5, Error ellipse: s-maj=28.9km s-min=12.0km az=159.0

ISC 14:14:38:35.3.0.3, 36.08N, 0.04x68.70E, 0.03, h30km, n246, r2920/267, mb4.5/72, MS3.3/19, 25C-16D, Hindu Kush

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KBL, KBL, GAR, GAR, CEP, THW, etc.

DRMS Merke 7.52 26 Pg Pn 14:41 52.4 +0.4

MRKS comp=E, 299m, 0.8s 7.62 35 P Pn 14:40 25.5 +0.8

UCH Uchto SNR=232 7.66 29 P Pn 14:40 25.3 +0.4

EKS2 Erkin-Say SNR=81 7.81 45 eP Pn 14:40 26.1 -1.1

NRN Naryn 7.81 45 eP Pn 14:40 26.1 -1.1

KZA Kyzart 7.86 38 P Pn 14:40 28.9 +0.9

BHK Bhakra 7.93 124 ex Pb 14:40 53.0 +1.0

BHK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

AAK Ala-Archa 7.94 33 Pb Pn 14:40 29.7 +0.9

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TKM2, GEYT, GEYT, etc.

TKM2 Tokmak 2 8.66 36 P Pn 14:40 39.5 +0.8

GEYT Alibek 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT comp=E, 5.3nm, 0.3s, baz=123, slow=10, SNR=35 14:42 12.4 -3.0

GEYT comp=E, 5.4nm, 0.3s, baz=127, slow=18, SNR=6.9 14:43 20.2

GEYT baz=110, slow=23, SNR=2.0 14:44 55.5

GEYT comp=E, 393nm, 20.3s, baz=135, slow=44 14:40 35.8 -2.9

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

GEYT ALIBECK ARRAY 8.67 285 Pn Pn 14:40 36.2 -2.5

14d 15h

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ZAAO, ZALV, ZAA1, etc.

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Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like HHC, HHC, HHC, etc.

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Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like AS31, ASAR, FORT, etc.

Table with columns: WRA, AS31, ASAR, STKA, STKA, FORT, MAJO, MJB9, MK32, MKAR, PAHR. Includes station names, coordinates, and times.

NNC 14 17:51:08.7:3.8, 44.79N:80.43E, h0km, mb2.2, mpv2.2, Error ellipse: s-maj=35.3km s-min=23.7km az=107.0

SOME 14 17:09.0, 42.23N:81.12E, h10km, 2C, Northern Xinjiang

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

DJA 14 18:04:51.4:1.2, 2.7S:7.13 9E, h23km, 16km, M4, 7/6, mb4.6/3, mB5.4/1, MLV4.7/6, MW(mB)4.8/1

ISCJB 14 18:04:52.0:0.4, 2.75S:0.05:138.98E:0.03, h46km, mb4.0/12, MS3.6/7, Error ellipse: s-maj=7.1km

IDC 14 18:04:53.2:2.3, 2.72S:139.11E, h42km, 23km, mb3.6/6, mb1.4/0.8, mb1mx3.7/32, mbtmp4.0/8, ML4.1/2, MS3.5/11, Ms1.3.5/11, ms1mx3.2/38, Error ellipse: s-maj=23.6km s-min=19.4km az=86.0

NEIC 14 18:04:54.2:2.0, 2.86S:139.06E, h54km, 8km, mb4.1/12, Error ellipse: s-maj=20.0km s-min=14.7km az=97.0

ISC 14 18:04:53.7:0.6, 2.73S:0.08:139.04E:0.04, h46km, n40, c1540/37, mb4.0/12, MS3.6/7, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Geniem, Jayapura, etc.

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

Table with columns: ILAR, ILB. Includes station names like Eielson Array, Wadsworth Array, etc.

ISCJB 14 18:13:06.4:0.4, 43.75N:0.03:105.29W:0.05, h0km, mb4.0/6, MS3.2/1, Error ellipse: s-maj=5.5km s-min=4.2km az=27.7

IDC 14 18:13:07.2:0.7, 43.86N:105.57W, h0km, mb3.9/6, mb1.3.9/11, mb1mx3.6/44, mbtmp3.7/11, ML3.2/4, MS3.0/3, Ms1.3.0/3, ms1mx2.6/39, Error ellipse: s-maj=18.5km s-min=7.2km az=146.0

ANF 14 18:13:07.5:0.7, 43.67N:105.32W, ML3.9/11, Error ellipse: s-maj=11.9km s-min=6.1km az=131.0

NEIC 14 18:13:08.2:0.4, 43.67N:105.30W, h0km, ML3.7, Error ellipse: s-maj=5.9km s-min=5.4km az=146.0, Suspected lightning explosion.

NEIC 17 km [44 miles] SSE of Gillette, ISC 14 18:13:08.0:0.7, 43.73N:0.04:105.28W:0.06, h0km, n47, c1537/48, mb3.9/6, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Black Hills, Casper, Rawlins, etc.

NEIC 14 18:18:22.7:2.1, 19.02S:173.20W, h10km, 2km, mb4.7/26, Error ellipse: s-maj=16.4km s-min=13.5km az=201.0

IDC 14 18:18:23.6:0.9, 18.68S:173.62W, h0km, mb4.3/11, mb1.4.5/11, mb1mx4.3/28, mbtmp4.3/11, MS3.6/7, Ms1.3.6/7, ms1mx3.4/24, Error ellipse: s-maj=36.6km s-min=18.6km az=137.0

ISCJB 14 18:18:26.4:0.5, 18.70S:0.08:173.59W:0.10, h31km, mb4.5/30, MS3.7/6, Error ellipse: s-maj=15.5km s-min=8.2km az=39.9

ISC 14 18:18:28.1:0.7, 18.8S:0.1:173.5W:0.1, h31km, n77, c1513/73, mb4.6/30, MS3.7/5, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like Niue, Rarotonga, etc.

Table with columns: HNR, RPZ, EIDS, ARMA, CTAO, TOO, COEN, STKA, STKA, BBOO, AS31, WB2, ASAR, ASAR, WRAB, WR1, WRA, MTN, FORT, SOEI, PSAO, MJAR, MJAR, MAJO, MAJO, MJB9, JUNU, JUNU, PETK, PE1, NV01, NVAR, NVAR, TXAR, SCM, PD31, PD31, CCB, ILAR, ILB, CMAR, KURBB, BVAR, AVAS, CLL, CLL, OSTC, OSTC, BRG, BRG, UJC, UJC, DPC, DPC, PRU, PRU, BRTR, BRTR, KHC, KHC, GECZ, GECZ, GONA, GONA, MOA, MOA, ARSA, ARSA, WATA, WATA, KBA, KBA, MOT, MOT, WTTA, WTTA, SOKA, SOKA, SQT, SQT, DAVA, DAVA, OBKA, OBKA, MYKA, MYKA, FETA, FETA, ABTA, ABTA. Includes station names, coordinates, and times.

ISCJB 14 18:21:08.6:0.3, 24.50N:0.02:122.31E:0.01, h69km, 3km, Error ellipse: s-maj=2.9km s-min=2.1km az=163.9

JMA 14 18:21:08.4:0.1, 24.46N:122.30E:0.70km, 2km, M2.8, TAP 14 18:21:09.7:24.47N:122.30E, h70km, ML3.5, B

ISC 14 18:21:09.2:1.2, 24.48N:0.03:122.31E:0.02, h65km, 6km, n109, c89/94/195, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like EOI, EOI, EOI, etc.

14d 19h

Table with columns: NTC, Toucheng, 0.57 311 P, Pn, 18 21 22.3 0.0, etc. Lists various station identifiers and their associated data.

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Table with columns: IRIF, Hungye, 1.32 223 P, Sn, 18 21 47.8 -0.2, etc. Lists various station identifiers and their associated data.

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Table with columns: LYJJ, Jianjiangzhen, 3.09 312 eP, Pn, 18 21 55.3 -0.2, etc. Lists station identifiers and data.

ISCJB 14 18:24:48.7, 1.3, 20.4S:0.6:178.6W:0.3, h587km, mb3.3/7, Error ellipse: s-maj=80.2km s-min=13.4km az=155.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists station codes, names, and associated data.

ISCJB 14 19:05:42.9, 1.0, 23.92N:0.02:122.51E:0.02, h13km, 8km, Error ellipse: s-maj=3.5km s-min=2.4km az=167.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists station codes, names, and associated data.

VVDT	baz=262	eS	Sn	19 06 21.3	0.0
TDCB	Techi	1.25 285	eP	Pg	19 06 07.2 +0.5
YHNB	Yeheng	1.25 307	eP	Pb	19 06 05.8 0.0
NSK	Sangung	1.27 306	eP	Pb	19 06 05.9 -0.2
NWF	Wu-fen Shan	1.30 331	eP	Pb	19 06 06.7 -0.1
NWF	baz=332	eS	Pb	19 06 23.9 +0.7	
WFSB	Wu-fen Shan	1.30 331	eP	Pb	19 06 06.6 -0.1
WFSB	baz=331	eS	Sg	19 06 24.1 -0.8	
TATO	Taipei	1.38 319	eP	Pb	19 06 07.7 -0.2
TATO	baz=320	eS	Sg	19 06 26.6 -0.6	
JKRS	Kuro-shima	1.44 77	P	Pn	19 06 08.4 +0.6
JKRS	baz=320	eS	Pn	19 06 26.9 +0.6	
YUS	Yu-Shan	1.46 253	eP	Pb	19 06 08.9 +0.3
YUS	baz=252	eS	Sn	19 06 27.4 -0.3	
YMO1	YM01	1.47 326	eP	Pb	19 06 09.1 -0.5
YMO1	baz=326	eS	Sb	19 06 28.1 +0.1	
TYC	Yuchr	1.48 270	eP	Pb	19 06 10.0 +0.3
YMO1	YM10	1.48 326	eP	Pn	19 06 08.7 +0.1
YMO5	YM05	1.49 326	eP	Pb	19 06 09.6 -0.2
YMO5	baz=326	eS	Sb	19 06 28.6 +0.1	
WHYT	Xinyi Township	1.50 262	eP	Pg	19 06 11.6 0.0
ELDTW	Lidau	1.53 242	eP	Pn	19 06 09.0 -0.2
JJJ	Ishigaki jima	1.58 74	P	Sn	19 06 09.6 -0.3
JJJ	baz=261	S	Pn	19 06 30.0 0.0	
WNT	Mingjian	1.64 269	eP	Pg	19 06 13.9 -0.3
TCU	Taichung	1.66 278	eP	Pb	19 06 12.5 -0.2
TWGBT	Beinan	1.69 230	eP	Pn	19 06 11.2 -0.2
TWG	Pinlang	1.70 230	eP	Pn	19 06 11.9 +0.4
WDLH	Douliu	1.79 263	eP	Pb	19 06 15.3 +0.3
JISG	Ishigakijimah	1.80 68	P	Pn	19 06 13.3 +0.5
JISG	baz=263	S	Sn	19 06 35.9 +0.6	
TPUB	Ta-pu	1.81 250	eP	Pb	19 06 15.3 0.0
SLGT	Liuqiu	1.92 241	eP	Pb	19 06 17.2 0.0
CHN1	Nanshi	1.93 248	eP	Pb	19 06 17.7 +0.3
RLNB	Erlin	1.94 269	eP	Pb	19 06 17.0 -0.5
SSW	Hsiyning	1.94 251	eP	Pb	19 06 17.4 -0.1
TKD	Sandimen	2.06 236	eP	Pb	19 06 19.0 -0.6
WSF	Szhu	2.08 263	eP	Pb	19 06 19.2 -0.8
MASBT	Mashubulo	2.14 233	eP	Pn	19 06 18.5 +0.9
EAST	Anshuo	2.15 225	eP	Pb	19 06 19.8 -1.3
EAST	baz=223				

PGC 14 19:10:16.9:3.0, 20.245:177.17W, h0km, mb3.8/3, mb1 3.9/4, mb1mx3.6/31, mbtpr3.8/4, ML3.5/1, MS3.1/1, Ms1 3.1/1, ms1mx2.6/27, Error ellipse: s-maj=73.0km s-min=42.0km az=127.0

ISCJB 14 19:10:17.9:1.0, 30.35S:0.08:177.2W:0.1, h24km, mb4.1/9, Error ellipse: s-maj=17.5km s-min=11.6km az=178.7

NEIC 14 19:10:18.6:1.9, 30.27S:177.09W, h16km, 5km, mb4.3/10, Error ellipse: s-maj=16.6km s-min=7.9km az=174.0

ISC 14 19:10:19.5:1.1, 30.35S:0.09:177.2W:0.1, h24km, n20, e1949/20, mb4.1/9, Kermadec Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res
		Δ°	AZ°	ISC	h m s ISC
RAO	Raoul Island	1.27 329	eP	Pn	19 10 41.0 -0.6
URZ	Urewera	9.20 209	Pn	Pn	19 12 30.3 -0.2
URZ	0.4nm, 0.3s, baz=0.0, slow=2.0, SNR=2.2			Sn	19 14 11.2 -2.1
LTZ	Lake Taylor	15.01 211	ePn	Pn	19 13 50.4 +0.3
MARN	Mars, Loyalty	15.95 300	ePn	Pn	19 14 00.1 -1.6
ONTNC	Onto Toro	16.70 295	ePn	Pn	19 14 11.0 -0.9
DZM	Mont Dzumac	16.84 295	LR	LR	19 19 03.6
WHZ	Weather Hill Ro	19.39 213	eP	Pn	19 14 45.5 +0.7
CAN	Canberra	28.76 251	eP	Pn	19 16 17.5 +2.1
STKA	Stephens Creek	35.18 257	eP	Pn	19 17 14.6 +2.9
STKA	Stephens Creek	35.18 257	eP	Pn	19 17 14.6 +2.9
TAOE	Nuku Hiva Isla	40.64 66	eP	P	19 17 57.5 -0.5
AS31	Alice Springs	43.82 267	eP	P	19 18 23.9 +0.2
ASAR	Alice Springs	43.82 267	P	P	19 18 23.9 +0.2
WB2	Warramunga Arr	44.79 272	eP	P	19 18 32.8 +1.2
WRAB	Tennant Creek	44.80 272	eP	P	19 18 32.7 +1.0
WR1	Warramunga Arr	44.80 272	eP	P	19 18 32.4 +0.7
WRA	Warramunga Arr	44.80 272	P	P	19 18 32.4 +0.7
PSA00	Pilbara Seismi	56.68 263	eP	P	19 19 59.4 -1.8
FAIO	FINESS Array S	145.34 341	ePKPb	PKPab	19 29 54.8 +0.3
FINES	FINESS Array B	145.34 341	ePKPb	PKPab	19 29 54.8 +0.3
FINES	1.0nm, 0.5s, baz=56, slow=3.5, SNR=11				

PGC 14 19:17:57.8:0.8, 61.58N:141.05W, h9km, ML2.1/10, 21km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska

Code	Station Name	Δ°	AZ°	Phase ID	Time Res
		Δ°	AZ°	ISC	h m s ISC
YUK2	White River	0.23 25	P	Pg	19 18 02.1 -0.5
YUK2	Moose Creek	0.34 55	P	Pg	19 18 05.6 -0.2
YUK1	Moose Creek	0.34 55	P	Pg	19 18 04.1 -0.6
YUK1	Sand Pete Hill	0.63 23	P	Pg	19 18 08.8 -0.5
YUK1	Patty Peak	0.79 241	P	Pg	19 18 17.9 -0.4
PTPK	Patty Peak	0.79 241	P	Pg	19 18 17.9 -0.4
BALM	Baldy	0.83 229	P	Pg	19 18 22.8 -0.5
BALM	Baldy	0.83 229	P	Pg	19 18 22.8 -0.5
BALM	Baldy	0.83 229	P	Pg	19 18 22.8 -0.5
BVCY	Beaver Creek	0.84 6	P	Pg	19 18 13.2 -0.9
BVCY	Beaver Creek	0.84 6	P	Pg	19 18 13.2 -0.9
KIAG	Kiagna River	0.91 224	P	Pg	19 18 13.6 -1.9
KIAG	Table Mountain	1.14 182	P	Pg	19 18 25.6 -1.7
TABL	Table Mountain	1.14 182	P	Pg	19 18 25.6 -1.7
TABL	Table Mountain	1.14 182	P	Pg	19 18 25.6 -1.7
YUK4	Talbot Arm	1.18 100	P	Pg	19 18 33.4 -1.3
YUK4	Talbot Arm	1.18 100	P	Pg	19 18 33.4 -1.3
YUK6	Outpost Mounta	1.45 115	Sg	Pn	19 18 35.7 -0.1
SAMH	Samovar Hills	1.46 175	Sg	Pn	19 18 43.9 +0.3
SAMH	Samovar Hills	1.46 175	Sg	Pn	19 18 43.9 +0.3
MESA	MESA	1.47 198	Pn	Pn	19 18 44.6 -0.1
MESA	MESA	1.47 198	Pn	Pn	19 18 44.6 -0.1
PCA	Pinnacle	1.54 165	Pn	Pn	19 18 45.1 -0.1
PCA	Pinnacle	1.54 165	Pn	Pn	19 18 45.1 -0.1
YUK5	Granite Creek	1.60 105	Sg	Pn	19 18 46.2 +0.2
YUK5	Granite Creek	1.60 105	Sg	Pn	19 18 46.2 +0.2
YUK7	Dusty Glacier	1.76 125	Pn	Pn	19 18 46.1 -1.2
YUK7	Dusty Glacier	1.76 125	Pn	Pn	19 18 46.1 -1.2
HYT	Haines Junctio	1.88 112	Sb	Pn	19 18 29.8 -0.6
PNL	Peninsula	2.08 156	Pn	Pn	19 18 55.6 -0.2
PNL	Peninsula	2.08 156	Pn	Pn	19 18 33.8 +0.9

PNL	Dot Lake	2.50 327	Sg	Pn	19 19 04.2 -0.5
DOT	Dot Lake	2.50 327	Pn	Pn	19 18 38.5 -0.2
DOT	Dot Lake	2.50 327	Pg	Pb	19 18 43.3 +0.4
DAWY	Dawson	2.61 16	Sg	Pn	19 19 15.6 +1.8
DAWY	Dawson	2.61 16	Pn	Pn	19 18 40.3 +0.1
DAWY	Dawson	2.61 16	Sg	Sb	19 19 17.6 +0.7

NEIC 14 19:19:00.6:0.0, 61.57N:141.11W, h1km, ML3.3(AEIC), After AEIC

PGC 14 19:19:01.4:0.0, 61.56N:141.03W, h1km, ML3.1/9, 208km Wnw of Haines Jct., Yt Southern Alaska

ISC 14 19:19:01.4:1.2, 61.74N:141.01W, h0km, mb3.6/2, mb1 3.6/5, mb1mx3.2/56, mbtpr3.4/5, ML3.1/3, Error ellipse: s-maj=23.6km s-min=10.1km az=44.0

ISC 14 19:19:00.3:1.1, 61.59N:141.10W:0.02, h4km, 9km, n65, e199/92, Southern Alaska

Code	Station Name	Δ°	AZ°	Phase ID	Time Res
		Δ°	AZ°	ISC	h m s ISC
YUK2	White River	0.23 32	P	Pg	19 19 05.5 +0.7
YUK2	Moose Creek	0.35 58	P	Pg	19 19 08.9 +1.1
YUK3	Moose Creek	0.35 58	P	Pg	19 19 07.5 +0.3
YUK3	Moose Creek	0.35 58	P	Pg	19 19 12.2 -0.3
YUK1	Sand Pete Hill	0.62 25	P	Pg	19 19 12.4 +0.1
PTPK	Patty Peak	0.77 239	P	Pg	19 19 15.3 +0.1
PTPK	Patty Peak	0.77 239	P	Pg	19 19 25.5 +0.3
BALM	Baldy	0.82 228	eP	Pg	19 19 15.6 -0.4
BALM	Baldy	0.82 228	eP	Pg	19 19 26.9 +0.2
BALM	Baldy	0.82 228	eP	Pg	19 19 15.6 -0.4
BVCY	Beaver Creek	0.83 8	P	Pg	19 19 26.7 +0.1
BVCY	Beaver Creek	0.83 8	P	Pg	19 19 16.7 +0.4
KIAG	Kiagna River	0.91 223	P	Pg	19 19 32.9 +1.3
KIAG	Kiagna River	0.91 223	P	Pg	19 19 10.7 -0.7
KIAG	Kiagna River	0.91 223	P	Pg	19 19 32.9 +1.3
TABL	Table Mountain	1.16 181	P	Pg	19 19 21.5 -1.0
TABL	Table Mountain	1.16 181	P	Pg	19 19 36.6 -0.8
YUK6	Outpost Mounta	1.47 115	Sg	Pn	19 19 46.6 -0.9
SAMH	Samovar Hills	1.48 174	Pn	Pn	19 19 27.8 +0.1
SAMH	Samovar Hills	1.48 174	Pn	Pn	19 19 47.7 +0.1
MESA	MESA	1.48 197	Sg	Pn	19 19 47.9 +0.2
MESA	MESA	1.48 197	Sg	Pn	19 19 47.9 +0.2
BCA3	Beaver Creek A	1.51 348	ePn	Pn	19 19 28.6 +0.4
CHX	Chaix Hills	1.53 180	ePn	Pn	19 19 29.1 -0.2
PCA	Pinnacle	1.56 164	ePn	Pn	19 19 28.8 0.0
PCA	Pinnacle	1.56 164	ePn	Pn	19 19 50.2 0.0
PCA	Pinnacle	1.56 164	ePn	Pn	19 19 50.2 0.0
YUK5	Granite Creek	1.65 105	Sg	Pn	19 19 51.3 0.0
YUK7	Sunshine Point	1.65 212	ePn	Pn	19 19 31.2 -0.1
SNH	Dusty Glacier	1.79 125	Pn	Pn	19 19 33.1 -0.7
YUK7	Dusty Glacier	1.79 125	Pn	Pn	19 19 33.1 -0.7
BCPM	Bancas Point	1.79 156	ePn	Pn	19 19 33.6 -0.1
BCPM	Bancas Point	1.79 156	ePn	Pn	19 19 54.6 -0.6
MENT	Mentasta	1.82 319	ePn	Pn	19 19 32.9 +0.4
HYT	Haines Junctio	1.90 112	Pn	Pn	19 19 33.7 +0.1
PNL	Peninsula	2.10 156	ePn	Pn	19 19 37.2 +0.9
PNL	Peninsula	2.10 156	ePn	Pn	19 19 37.2 +0.9
PNL	Peninsula	2.10 156	ePn	Pn	19 20 06.8 -1.0
YUK2	Yakutat	2.20 161	ePn	Pn	19 19 39.0 +1.5
PAX	Paxson	2.47 306	ePn	Pn	19 19 44.6 -0.6
PAX	Paxson	2.47 306	ePn	Pn	19 19 44.5 -0.8
PAX	Paxson	2.47 306	ePn	Pn	19 20 17.1 +1.1
DOT	Dot Lake	2.48 328	Pn	Pn	19 19 42.0 +0.6
DOT	Dot Lake	2.48 328	Pn	Pn	19 19 42.0 +0.6
DOT	Dot Lake	2.48 328	Pn	Pn	19 19 46.9 -0.9
DOT	Dot Lake	2.48 328	Pn	Pn	19 20 18.6 -1.2
EYAK	Cordova Ski Ar	2.49 247	ePn	Pn	19 19 43.2 +1.6
DAWY	Dawson	2.50 17	ePn	Pn	19 19 43.0 +0.7
DAWY	Dawson	2.50 17	ePn	Pn	19 19 43.0 +0.7
DAWY	Dawson	2.50 17	ePn	Pn	19 20 21.3 +1.5
SCRK	Sand Creek	2.74 322	ePn	Pn	19 19 45.9 +0.8
FID	Port Fidalgo	2.74 254	ePn	Pn	19 19 48.6 -0.2
RIDG	Independent Ri	2.77 323	ePn	Pn	19 19 46.1 +0.7
SCM	Sheep Creek M	2.98 277	ePn	Pn	19 19 43.9 -0.2
GLI	Glacier Island	2.99 259	ePn	Pn	19 19 51.1 +2.6
PLBC	Pleasant Camp	3.17 130	Pn	Pn	19 19 51.4 +0.5
PLBC	Pleasant Camp	3.17 130	Pn	Pn	19 19 57.3 +0.2
PLBC	Pleasant Camp	3.17 130	Pn	Pn	19 20 40.5 -1.5
EGAK	Eagle	3.20 360	Sg	Pn	19 19 52.5 +1.2
DHY	Dangli Highway	3.29 300	Pn	Pn	19 19 52.9 +0.8
SML	Sawmill	3.45 277	ePn	Pn	19 19 56.8 +2.0
SKAG	Skagway	3.56 124	ePn	Pn	19 19 57.1 +0.9
IL1	Eielson Array	4.13 323	ePn	Pn	19 20 05.0 +0.9
ILAR	Eielson Array	4.13 323	Pn	Pn	19 20 03.6 -0.4
ILAR	1.1nm, 0.3s, baz=142, slow=1.9, SNR=6.1			Sn	19 20 50.2 -2.6
ILAR	1.1nm, 0.3s, baz=142, slow=1.9, SNR=6.1			Lg	19 21 10.8
ILAR	9.1nm, 0.3s, baz=133, slow=2.7, SNR=10.0			Lg	19 20 07.1 +0.4
CCB	Clark Creek Bu	4.32 318	ePn	Pn	19 20 07.5 +0.4
BESE	Bessie Mountai	4.35 131	ePn	Pn	19 20 07.2 +0.1
BESE	Bessie Mountai	4.35 131	ePn	Pn	19 20 07.2 +0.1
BESE					

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, and Residual. Includes stations like WVDT, WGT, WKG, WDLH, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, and Residual. Includes stations like TWE, WLTS, WLTB, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Time, and Residual. Includes stations like MJAR, MJB9, CM31, etc.

ISCJB 14 19:25:21.3, 0.2, 61.58N, 141.11W, h0km, mb3.4/4, Error ellipse: s-maj=3.0km s-min=2.4km az=3.6
PGC 14 19:25:21.9, 61.59N, 141.10W, h9km, ML2.9/8, 213km
Wnw of Haines Jct., Yt Southern Alaska
NEIC 14 19:25:21.3, 0.0, 61.58N, 141.11W, h1km, ML3.3(AEIC), After AEIC.
IDC 14 19:25:23.7, 1.4, 61.81N, 141.11W, h0km, mb3.5/4, mb1.3/6.5, mb1mx3.3/56, mbt3.5/5, ML2.9/1, Error ellipse: s-maj=46.9km s-min=14.2km az=43.0
ISC 14 19:25:21.9, 0.6, 61.58N, 141.11W, 0:02, h10km, n63, 1979/85, mb3.7/4, Southern Alaska

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ARS Arshan, ZAK ZAK, MOY MOY, ORL ORL, TNDR Tynda, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like MAKZ Makanchi, KRSR Korea Array, SEY Seymchan, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KIAG Kiagna River, KIAG Table Mountain, YUKK Outpost Mounta, etc.

PGC 14 19:38:25.9, 61°58N-141°04W, h1km, ML2.4/3, 209km Wnnw of Haines Jct., Yt Southern Alaska, Southern

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Includes stations like YUKK Moose Creek, PTPK Patty Peak, etc.

KRSC 14 19:43:42.1±1.7, 49:59N×156:22E, h98km±25km, ML3.8, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, SKR Kuzhetka, etc.

GUC 14 19:44:04.6±0.8, 33°20'S-173°30'W, h100km±6km, ML3.5, 2C, Chile-Antarctica border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Includes stations like FCH Farellones, CLCH Cerro Calan, etc.

ISCJB 14 20:03:13.9±0.5, 20:35:0.1×173:31W±0:09, h25km, mb4.5/22, MS3.3/5, Error ellipse: s-maj=17.0km

NEIC 14 20:03:13.5±1.7, 20:24S, 173:30W, h10km±2km, mb4.6/16, mb1.4/1.8, mb1mx3.9/31, mbtmpr4.0/8, MS3.3/4, Ms1.3/4.4, ms1mx3.0/25, Error ellipse: s-maj=23.9km s-min=12.8km az=156.0

IDC 14 20:03:14.2±1.5, 20:03S-173:65W, h0km, mb4.0/8, mb1.4/1.8, mb1mx3.9/31, mbtmpr4.0/8, MS3.3/4, Ms1.3/4.4, ms1mx3.0/25, Error ellipse: s-maj=56.7km s-min=23.5km az=139.0

ISC 14 20:03:16.0±0.6, 20:25S-0:2-173:30W±0.1, h25km, n45, s-maj=9.6km az=142.0

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res. Includes stations like ANTU Antumapu, NIUE Niue, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TBI Tubuai, PPT2 Papeete, LTZ Lake Taylor, etc.

ISC 14 20:16:43.4, 40.89N, 31.77E, h4km, ML2.3/1.4
ISCJB 14 20:16:44.0, 40.88N, 31.71E, h0.02, h4km, 4km,
Error ellipse: s-maj=4.6km s-min=3.0km az=178.4
DDA 14 20:16:44.9, 40.85N, 31.69E, h11km, 1km, ML2.6
ISC 14 20:16:44.5, 1.0, 40.89N, 0.03, 31.73E, 0.02, h11km, 9km,
n33, c067/47, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BCAM Yenicaga, KIBS BOLU, MDUB Mudurnu, etc.

ISC 14 20:31:39.0, 1.2, 3.44N, 126.26E, h0km, mb3.4/4,
mb1.3/6.5, mb1mx3.4/2.5, mbtmp3.4/5, ML3.4/1, Error
ellipse: s-maj=84.6km s-min=19.9km az=65.0, Talaud
Islands

Table with columns: SJU Sorong, WRA Warramunga Arr, ASAR Alice Springs, etc.

SJA 14 20:45:25.7, 0.6, 27.03S, 66.95W, h3km, 4km, ML3.9,
MW4.4, 3C-1D, C, Catarina Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FSA Cafayete, AHML Horco Molle, etc.

BUI 14 20:54:21.7, 0.0, 10.19N, 126.90E, h37km, mb4.7/52,
mb4.9/37, Ms4.3/21, Ms7.4/0.15
IDC 14 20:54:21.1, 0.5, 10.64N, 126.78E, h0km, mb4.3/29,
mb1.4/5.32, mb1mx4.4/4.5, mbtmp4.4/32, ML4.1/3, MS3.3/16,
Ms1.3/3.16, ms1mx3.2/42, Error ellipse: s-maj=19.2km
s-min=10.7km az=82.0
ISCJB 14 20:54:22.4, 1.1, 10.74N, 0.02, 126.90E, 0.02, h17km, 7km,
mb4.6/5, MS3.5/16, Error ellipse: s-maj=4.2km
s-min=3.3km az=158.0
MAN 14 20:54:24.8, 10.77N, 126.81E, h53km, MS4.5
NEIC 14 20:54:26.0, 1.9, 10.65N, 126.78E, h32km, 5km, mb4.7/48,
Error ellipse: s-maj=17.7km s-min=11.6km az=86.0
DJA 14 20:54:28.3, 0.1, 9.1, N, 126.7, W, h41km, 5km, M5.0/61,
mb5.5/13, mb4.9/61, ML3.5/0.2, Mw(10.0), Mw(10.0)
ISC 14 20:54:26.1, 0.5, 10.75N, 126.90E, 0.07, h36km, 2km,
n179, c1978/169, mb4.6/82, MS3.4/17, 5C-3D, Philippine
Islands region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BESP Borongan, SCPH Surigao, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BESP Borongan, SCPH Surigao, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SGSI Sangihe, TMTI Ternate, etc.

Table with columns: NJ2 Nanjing, DNP Denpasar, JNU Nkasatur, etc.

14d 20h
20 59 27.4 +5.1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like MTN Mtng Dam, TPRI Tanjung Pinang, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMAL, VYHS, VRAC, GERES, DAVOX, etc.

NEIC 14 21:26:54.0, 0.6158N, 141.07W, h3km, ML3.1(AEIC), After AEIC.

PGC 14 21:26:54.0, 0.6158N, 141.07W, h3km, ML3.2/11, 21 km Ww of Haines Jct., Yt Southern Alaska, Southern Alaska.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUK2, YUK3, YUK4, etc.

MOS 14 21:37:14.1, 1.1, 52.95N, 167.73W, h38km, mb4.5/26, Error ellipse: s-maj=13.5km, s-min=7.4km, az=81.8.

NEIC 14 21:37:12.0, 0.0, 52.77N, 167.60W, h26km, mb4.2/51, ML3.9(AEIC), After AEIC.

ISCJBJ 14 21:37:12.8, 0.4, 52.88N, 167.64W, 0.03, h48km, 3km, mb4.3/83, MS3.4/14, Error ellipse: s-maj=7.2km, s-min=2.8km, az=161.8.

IDC 14 21:37:14.1, 3.6, 53.02N, 167.72W, h42km, 32km, mb3.9/27, mb1.4/28, mb1mx4.0/50, mbmp4.1/28, ML3.4/1, MS3.3/13, Ms1.3/13, ms1mx3.1/37, Error ellipse: s-maj=18.9km, s-min=10.8km, az=62.0.

ISC 14 21:37:14.0, 0.9, 52.94N, 167.67W, 0.04, h45km, 7km, h227.0, s107/242, mb4.4/83, MS3.4/14, 7C-BD, Fox Islands

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

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

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NV01, NVAR, ELK, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Contains data for various stations like FINES, NB200, KMI, etc.

ADC 14 21:38:00.5, 1.3, 38.13N:22.19E, h0km, mb3.5/4, mb1 3.6/5, mb1mx3.3/46, mbtmp3.5/5, ML2.9/1, Error ellipse: s-maj=54.8km s-min=21.8km az=153.0

ISC/B 14 21:38:01.6, 0.2, 38.23N:01.22E:0.02, h9km, 1km, mb3.6/3, Error ellipse: s-maj=2.5km s-min=2.2km az=39.0

ATH 14 21:38:01.1, 38.24N:22.07E, h12km, 1km, ML3.0/22, Error ellipse: s-maj=1.3km s-min=0.6km az=283.0

THE 14 21:38:02.1, 38.23N:22.11E, h8km, ML3.0/26, Error ellipse: s-maj=0.6km s-min=0.4km az=351.0

ISC 14 21:38:01.6, 0.7, 38.23N:01.22E:0.01, h12km, 3km, n102, e08/87151, mb3.8/3, Greece

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Contains data for stations like AIG2, AIG3, ALIK, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Contains data for stations like TRAZ, TRIZ, KALE, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, and ISC. Contains data for stations like EPID, ITHOMI, DID, etc.

IDC 14 22:22:20.1.2.2.53:36N:167W,h0km,mb3.7/7, mb1.3/8.7,mb1mx3.5/37,mbtmp3.7/7,MS2.6/1,ms1m2.2/52,Error ellipse: s-maj=68.9km s-min=29.6km az=13.0

ISCJBJ 14 22:22:20.7.0.6.52:79N:0:06:167:62W:0:06,h42km, mb3.7/6,MS2.6/1,Error ellipse: s-maj=10.2km s-min=3.4km az=154.0

NEIC 14 22:22:23.5:0.0.52:84N:167:61W,h27km,ML3.3(AEIC), After AEIC, ISC 14 22:22:24.0.9.52:39N:0:1:167:71W:0:06,h42km,n40, s=19.159,mb3.7/6,Fox Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists various stations like Okmok Mt. Tuli, Okmok East Rim, Nikolski High, etc.

NEIC 14 22:40:37.6:0.0.38:81N:122:80W,h4km,MW3.(7BRK), After NCEDC.

NEIC Fell at Middletown. IDC 14 22:40:38.7:2.4.38:78N:122:85W,h0km,mb1.3.5/5, mb1mx2.2/38,mbtmp3.0/5,ML3.2/5,Error ellipse: s-maj=29.8km s-min=12.0km az=5

ISC 14 22:40:37.5:1.0.38:81N:0:03:122:78W:0:04,h3km,z7km, n39,s13/50,Northern California

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists various stations like Geyers, Hopland Field, Marconi Confer, etc.

MEX 14 22:45:30.5:1.3.16:43N:97:81W,h50km,26km,MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists stations like Tlaga.

TLIG i S Sn 22 46 08.0 -1.7

DDA 14 22:46:15.8.42:06N:46:16E,h12km,4km,ML3.0 TIF 14 22:46:16.8.41:98N:46:18E,h19km,2km

NORS 14 22:46:18.3:0.0.41:98N:46:30E,h20km,MPVA3.4 DRS 14 22:46:18.2:0.0.41:96N:46:16E,h12km,ML2.8/3

ISC 14 22:46:17.0:0.9.41:97N:0:02:46:13E:0:02,h12km,8km, n41,s12/67,Eastern Caucasus

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists various stations like Lagodekhi, Dedoflistskaro, Botlikh, etc.

MEX 14 22:56:57.8:0.8.16:75N:99:94W,h8km,6km,MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists stations like El Cayaco, Mezcala, Tlaga, etc.

ISCJBJ 14 23:01:22.4:0.3.14:21N:0:03:93:28W:0:03,h10km, mb4.2/32,MS3.7/4,Error ellipse: s-maj=4.9km s-min=3.4km az=21.1

MEX 14 23:01:23.8:0.7.14:10N:93:43W,h32km,42km,MD4.2 NEIC 14 23:01:24.6:0.0.14:23N:93:42W,h10km,mb4.3/53, MD4.3(MEX),After MEX.

IDC 14 23:01:31.8:2.4.14:69N:93:01W,h69km,16km,mb3.7/10, mb1.4/0.14,mb1mx3.7/47,mbtmp4.0/14,MS3.5/6, MS1.3/5.6,mb1mx3.1/22,Error ellipse: s-maj=34.3km s-min=8.2km az=28.0

GCG 14 23:01:45.4:0.5.14:81N:91:73W,h36km,187km,MD4.4 ISC 14 23:01:23.2:0.6.14:23N:0:06:93:36W:0:10,h10km,n173, s=202/171,mb4.2/32,MS3.7/4,Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists various stations like THIG, PCIG, Entre ros, C, etc.

CCIG Comitan 2.36 30 ePn Pn 23 02 00.6 -1.5

Table with columns: CCIG, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L, CCIG, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, L. Lists various stations like Comitan, Fuego 3, Pacaya, El Apazote, etc.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Contains station data for locations like Sparta, Liburn, Pamplona, etc.

Table with columns: Code, Station Name, Az, El, Dist, Phase, Time, Res. Contains station data for locations like Pulau Pagai, Kerinci, Saiba, etc.

Table with columns: WMO, Station Name, Az, El, Dist, Phase, Time, Res. Contains station data for locations like Stephens Creek, Songoing Array, etc.

ATH 14 23:03:31.3, 38.96N-26.08E, h23km, 1km, ML2.5/7, Error ellipse: s-maj=2.8km s-min=1.2km az=267.0

Table with columns: Code, Station Name, Az, El, Dist, Phase, Time, Res. Contains station data for locations like Shelbyville, Hurricane, etc.

IDC 14 23:02:29.0, 9.3, 18S; 100.14E, h0km, mb4.2/16, mb1.4, 3/18, mb1mx4.0/6.1, mbtmp4.2/18, ML3.7/2, MS3.2/4, Ms1.3/4, ms1mx2.8/3.6, Error ellipse: s-maj=34.9km s-min=14.1km az=50.0

IDC 14 23:02:30.9, 0.3, 3, 22S; 0.03, 100.16E, 0.03, h27km, mb4.7/43, Error ellipse: s-maj=5.7km s-min=2.9km az=44.4

BUI 14 23:02:30.6, 0.0, 3, 51S; 100.03E, h41km, mb4.7/31, mb4.8/23, Ms4.4/1.6, Ms7.4/1.14

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like AKT, SVE, MAK, ARU, WSAR, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like OJC, AGG, LANS, AREO, VYHS, TTT, VRAC, etc.

Table with columns: Station Name, Frequency, Power, Direction, Azimuth, Elevation, SNR, and other parameters. Includes stations like KMBO, ESDC, ILULI, TOA1, TORO, COLD, etc.

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

Table with columns: GUR, AML, AML, 00 44 22.7, etc. Lists various astronomical objects and their coordinates.

Table with columns: EREA, VLI, VLI, 1.65 156, etc. Lists astronomical objects with specific identifiers.

MAN 15 00:50:46.1, 7.52N, 124.66E, h47km, mb3.8, ML2.5, MS2.0, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Lists station data for Mindanao.

MAN 15 01:01:13.2, 2.0, 52.63N, 172.37E, h0km, mb3.6/7, mb1 3.8/8, mb1mx3.5/40, mbtmp3.6/9, ML3.2/1, MS2.4/2, Ms1 2.4/2, ms1mx2.2/39, Error ellipse: s-maj=73.5km s-min=18.2km az=173.0

ISC 15 01:01:17.1, 9.5238N, 0.5x172.21E, 0.09, h22km, n15, r127/9, mb3.6/7, Near Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Lists station data for Near Islands.

MAN 15 01:11:30.8, 16.47N, 120.88E, h4km, mb4.7, ML3.6, MS3.4, 1D, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Lists station data for Luzon.

ISCJB 15 01:22:26.4, 0.8, 54.7N, 0.2x35.2W, 0.2, h10km, mb3.6/8, MS3.4/1, Error ellipse: s-maj=31.2km s-min=14.0km az=2.0

ISC 15 01:22:26.6, 0.9, 54.79N, 35.15W, h0km, mb3.6/8, mb1 3.7/9, mb1mx3.5/48, mbtmp3.6/9, ML3.7/1, MS3.4/13, Ms1 3.4/13, ms1mx3.2/29, Error ellipse: s-maj=38.8km s-min=17.8km az=4.0

ISC 15 01:22:28.0, 0.9, 54.82N, 0.3x35.2W, 0.1, h10km, n22, r198/10, mb3.7/8, MS3.5/11, Reykjanes Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Lists station data for Reykjanes Ridge.

Table with columns: TXAR, LR, LR, 01 54 27.6, etc. Lists astronomical objects with specific identifiers.

BUL 15 01:28:47.9, 0.0, 7.04N, 125.27E, h29km, mb5.0/68, mb4.9/41, Ms4.4/52, Ms7 4.1/46

MAN 15 01:28:50.1, 7.34N, 124.81E, h3km, mb5.8, ML4.8, MS5.2, GCMT 15 01:28:50.9, 0.3, 7.31N, 0.0x124.84E, 0.2, h19km, n1km, MW4.9/87, Moment Tensor Solution, s16;17; s87; c109; Duration: 0. Moment tensor: Scale 1016Nm, Mw0.94; 16; Mw=2.01; 10; Mw=2.95; 15; Mw=0.78; 27; Mw=0.72; 11; Mw=1.45; 32; Best double couple: M3.0400x1016 NP1=228.00000; 884.00000; A.145.00000; NP2=322.00000; 856.00000; A.7.00000; Principal axes: T 2.4210, P2=28.0000; Azm179.0000; N 1.1690, P1=55.0000; Azm39.0000; P -3.5860, P1=19.0000; Azm280.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJB 15 01:28:51.8, 0.4, 7.34N, 0.0x124.98E, 0.02, h32km, 3km, mb4.9/16, MS4.1/45, Error ellipse: s-maj=3.9km s-min=2.5km az=164.7

DJA 15 01:28:52.5, 0.1, 7.7N, 124.27E, h10km, M5.1/85, mb5.6/26, mb5.1/85, ML5.5/36, Mw(MB)5.1/26

MOS 15 01:28:52.6, 1.1, 7.34N, 124.92E, h41km, mb5.2/45, MS4.1/4, Error ellipse: s-maj=11.7km s-min=5.9km az=114.0

IDC 15 01:28:53.5, 1.3, 7.29N, 124.93E, h41km, 13km, mb4.3/24, mb1 4.4/28, mb1mx4.4/40, mbtmp4.4/40, ML4.0/4, MS3.8/23, Ms1 3.8/23, ms1mx3.7/36, Error ellipse: s-maj=16.6km s-min=10.3km az=74.0

NEIC 15 01:28:54.2, 2.4, 7.40N, 125.06E, h52km, 5km, mb5.0/117, Error ellipse: s-maj=10.9km s-min=7.8km az=215.0

NEIC Feil (V PIVS) at Carmen; (IV PIVS) at Bansiljan, Kabacan and Malabon; (III PIVS) at Cayayan de Oro, Cavayo and Maguapo. Feil at s Koronadal and Malaybalay.

ISC 15 01:28:52.8, 0.4, 7.31N, 0.0x124.87E, 0.02, h28km, 2km, h28km, pp-P, n345, r293/381, mb5.0/118, MS4.1/47, 40C-6D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Lists station data for Mindanao.

15d 1h

2013 JUL

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PLAI Plampang, WBSI Waikabubak, KMMI Kailiang, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PAYA Payao, SISI Saibi, KCSI Saibi, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like USRK, FORT Forrest, KMBL Kambalda, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MAKZ, KSH, NIL, YAK, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like EAK, NCK, GOF, RAR, KBZ, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PTGA, LAKA, AIG1, etc.

15d 2h

Table with columns: SIV, Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

MAN 15 01:42:02.1, 7.35N, 124.83E, h9km, mb3.9, ML2.7, MS2.2, 1C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

DJA 15 01:43:02.1, 0.5, 5.5, S, 4.10, 2E, h44km, mb3.7km, M3.5/10, ML3.5/10, Southern Sumatra

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

MAN 15 01:50:52.2, 7.54N, 124.94E, h1km, mb4.8, ML3.7, MS3.6, 4C-1D, Mindanao

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

IDC 15 01:52:18.2, 2.0, 17.42S, 177.34W, h0km, mb3.9/5, mb1.4/1.5, mb1mx3.8/2.3, mbtmp3.9/5, Error ellipse: s-maj=119.6km s-min=27.5km az=148.0, Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

IS/CJB 15 02:07:41.3, 0.8, 54.5N, 0.2-35.4W, 0.2, h10km, mb3.8/4/10, Error ellipse: s-maj=28.9km s-min=14.4km az=1.8

IDC 15 02:07:41.6, 0.9, 54.5N, 35.34W, h0km, mb3.8/4/10, mb1.3/6/11, mb1mx3.5/3.9, mbtmp3.4/11, ML3.6/11, Error ellipse: s-maj=32.9km s-min=17.4km az=1.0

ISC 15 02:07:43.1, 0.9, 54.5N, 0.2-35.4W, 0.1, h10km, n12, o=2112, mb3.5/10, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

ISC/CB 15 02:08:01.3, 0.3, 54.5N, 0.06-35.28W, 0.06, h10km, mb4.1/33, MS3.6/5, Error ellipse: s-maj=8.6km s-min=5.0km az=7.9

IDC 15 02:08:02.0, 0.7, 54.5N, 35.28W, h0km, mb3.8/14, mb1.4/0/15, mb1mx3.8/3.9, mbtmp3.8/15, ML3.8/15, MS3.6/5, MS1.3/6/5, ms1mx3.3/2.0, Error ellipse: s-maj=24.7km s-min=14.2km az=4.0

NEIC 15 02:08:03.0, 1.9, 54.5N, 35.22W, h10km, 2km, mb4.1/30, Error ellipse: s-maj=17.3km s-min=7.9km az=191.0

ISC 15 02:08:03.1, 0.5, 54.52N, 0.09-35.23W, 0.06, h10km, n58, o=116/54, mb4.1/33, MS3.5/6, Reykjanes Ridge

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Azimuth Error, Elevation Error, SNR Error, Azimuth Rate, Elevation Rate, SNR Rate, Azimuth Accuracy, Elevation Accuracy, SNR Accuracy, Azimuth Precision, Elevation Precision, SNR Precision, Azimuth Resolution, Elevation Resolution, SNR Resolution, Azimuth Bandwidth, Elevation Bandwidth, SNR Bandwidth, Azimuth Frequency, Elevation Frequency, SNR Frequency, Azimuth Wavelength, Elevation Wavelength, SNR Wavelength.

2013 JUL

Main table of station data for July 2013, including columns for station name, azimuth, elevation, SNR, and various error metrics.

NEIC 15 02:16:20.4, 0.0, 61.58N, 141.09W, h11km, ML2.8(OTT), ML2.8(AEIC), After WEL

PGC 15 02:19:00.0, 61.58N, 141.07W, h1km, ML2.8/10, 211km Wn: W of Haines Jct., Yr Southern Alaska, Southern Alaska

Table of station data for the NEIC and PGC events, including station names and coordinates.

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Table of station data for the NEIC event, including station names and coordinates.

NEIC 15 02:20:56.9, 0.0, 41.145S, 172.70E, h97km, ML4.0(WEL), After WEL

WEL 15 02:20:56.7, 41.145S, 172.70E, h106km, 4km, M4.3/48, ML4.3/48, Error ellipse: s-maj=0.3km s-min=0.0km az=80.5, South Island

Table of station data for the NEIC and WEL events, including station names and coordinates.

Table with columns: DCZ, Deep Cove, 5.74 224 P, Pn, 02 22 18.1 -1.3, etc.

NIED 15 02:29:00.38:90N:142:50E, h38km, Mw3.7 Best double couple: M4.63000,1014 NP1.0,140.00000, 835.00000, 1.90.00000, NP2.0,320.00000, 855.00000, 1.90.00000.

ISC 15 02:29:42.1:0.9, 38:82N:142:53E, h0km, mb3.6/5, mb1 3.8/8, mb1mx3.6/35, mbtmp3.6/8, ML3.2/3, MS2.5/3, Ms1 2.5/3, ms1mx2/4.5, Error ellipse: s-maj=31.6km s-min=18.8km az=113.0.

ISC/JB 15 02:29:44.1:1.1, 38:93N:0:04:142:54E:0:07, h23km,7km, mb3.7/5, MS2.6/1, Error ellipse: s-maj=9.1km s-min=5.6km az=22.0.

JMA 15 02:29:46.0:0.1, 38:97N:142:46E, h30km,2km, M3.7 JMA Feil 1/J1

ISC 15 02:29:43.9:3.6, 38:90N:0:04:142:48E:0:07, h13km,22km, n27, s145/33, mb3.8/5, Near east coast of eastern

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

NNC 15 02:33:48.0:5.3, 37:79N:71:35E, h0km, mb3.8, mpv3.3, 4C, Error ellipse: s-maj=36.3km s-min=28.8km az=12.0.

Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

NEIC 15 02:36:51.0:0.0, 6:55S:81:00W, h17km, mb4.3/5, MD4.5(IG), After IGQ.

NEIC Feil in Manila

ISC/JB 15 02:36:55.0:0.8, 0:73S:0:04:80:55W:0:06, h10km, Error ellipse: s-maj=8.7km s-min=5.1km az=9.5

IGQ 15 02:36:56.5:0.4, 1:S:2:8:0W:1, h10km, MLV4.2

ISC 15 02:36:54.2:1.2, 0:78S:0:04:80:57W:0:07, h10km, n64, s181/60, Near coast of Ecuador

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

Table with columns: BMAS, Trigal station, 2.21 109 P, Pn, 02 37 33.4 +2.1, etc.

ISC/JB 15 03:51:26.1:0.4, 7:28N:0:03:124:84E:0:03, h28km,4km, mb3.7/7, MS3.0/4, Error ellipse: s-maj=5.5km s-min=5.0km az=25.6.

MAN 15 03:51:26.1, 7:37N:124:92E, h21km, mb5.6, ML4.6, MS4.9

ISC 15 03:51:28.9:2.8, 7:25N:125:05E, h41km,26km, mb3.6/7, mb1 3.9/1, mb1mx3.5/33, mbtmp3.9/7, MS3.1/7, Ms1 3.1/7, ms1mx2.8/42, Error ellipse: s-maj=47.3km s-min=16.8km az=76.0.

ISC 15 03:51:26.2:1.0, 7:29N:0:03:124:88E:0:03, h18km,3km, n29, s155/34, mb3.8/7, MS3.0/4, 5C-33, Mindanao

Main table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISC/JB 15 04:09:45.8:0.7, 46:27N:0:04:146:96E:0:09, h35km, mb3.5/7, Error ellipse: s-maj=9.4km s-min=5.6km az=24.5

JMA 15 04:09:49.5:0.4, 44:33N:148:37E, h114km, M3.5

SKHL 15 04:09:49.7:0.4, 44:33N:148:37E, h46km,2km, mb3.9/3

ISC 15 04:09:47.0:4.0, 9:46:21N:0:06:147:06E:0:07, h35km, n26, s359/27, mb3.6/7, Northwest of Kuril Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

Table with columns: GRPR, Tuman, 2.40 203 eP, Pn, 04 10 25.8 +1.7, etc.

ISC/JB 15 04:19:12.5:0.8, 39:81S:0:06:144:24E:0:09, h10km, mb3.8/1, Error ellipse: s-maj=11.3km s-min=6.2km az=145.3

ISC 15 04:19:13.8:7.2, 39:38S:144:98E, h0km, mb3.7/1, mb1 3.7/3, mb1mx3.5/19, mbtmp3.5/3, ML3.2/1, MS3.0/1, Ms1 2.9/1, ms1mx2/6/17, Error ellipse: s-maj=281.9km s-min=52.2km az=74.0.

AUST 15 04:19:14.1:0.0, 39:75S:144:43E, h10km, Error ellipse: s-maj=0.8km s-min=0.1km az=246.0

ISC 15 04:19:14.1:1.1, 39:75S:144:43E:0:09, h10km, n10, s187/14, Bass Strait

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

ISC/JB 15 04:34:28.4:0.5, 69:89N:0:03:15:5W:0:2, h10km, mb3.5/9, MS3.4/23, Error ellipse: s-maj=7.7km s-min=4.4km az=179.2

ISC 15 04:34:29.5:0.8, 70:07N:15:74W, h0km, mb3.6/9, mb1 3.9/11, mb1mx3.7/36, mbtmp3.7/11, ML3.0/2, MS3.4/28, Ms1 3.4/28, ms1mx3.3/40, Error ellipse: s-maj=24.8km s-min=15.8km az=32.0

REY 15 04:34:29.5, 69:73N:14:32W, h10km

ISC 15 04:34:30.5:0.7, 69:96N:0:06:15:64W:0:07, h10km, n51, s181/44, mb3.5/9, MS3.4/23, Jan Mayen Island region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC, etc.

LGNH	Logne	17.42	67	ePn	Pn	06 31 44.5	-0.6
DWPF	Disney Wildern	17.51	24	ePn	Pn	06 31 43.6	-2.6
DWPF	Disney Wildern	17.51	24	P	P	06 31 46.9	-0.4
858A	St. Cloud	17.63	24	P	P	06 31 48.3	-0.2
859A	Kempfer Cattle	17.69	26	P	P	06 31 48.6	-0.6
757A	Oxford	18.02	21	P	P	06 31 53.1	+0.3
655A	Horseshoe Beac	18.16	18	P	P	06 31 54.9	+0.6
552A	Lynn Haven	18.25	12	P	P	06 31 55.9	+0.6
656A	Williston	18.25	20	eP	P	06 31 57.3	+1.9
656A	Williston	18.25	20	P	P	06 31 55.7	+0.3
758A	Lake Helen	18.36	24	P	P	06 31 56.2	-0.4
MACC	Maccarena, Meta	18.43	122	eP	Pn	06 31 58.8	+1.2
553A	Crawfordville	18.49	14	P	Pn	06 31 58.4	+0.3
833A	Chaparral WMA,	18.52	331	eP	Pn	06 31 59.2	+0.7
833A	Chaparral WMA,	18.52	331	P	P	06 31 58.2	-0.1
449A	Pace	18.57	6	P	Pn	06 31 59.7	+0.6
554A	Perry	18.58	16	P	Pn	06 31 59.5	+0.3
HKT	Hockley	18.61	342	eP	Pn	06 31 59.5	-0.1
HKT	Hockley	18.61	342	eP	Pn	06 31 59.5	-0.1
451A	Vernon	18.64	10	eP	P	06 32 02.2	+2.3
451A	Vernon	18.64	10	P	Pn	06 32 01.0	+1.1
657A	Interlachen	18.68	21	P	Pn	06 32 00.9	+0.5
450A	Crestview	18.69	8	P	P	06 32 00.7	+0.1
658A	Bunnell	18.75	23	eP	Pn	06 32 01.6	+0.3
658A	Bunnell	18.75	23	P	Pn	06 32 01.5	+0.2
SDV	Santo Domingo	18.81	98	eP	P	06 32 01.5	-0.3
SDV	Santo Domingo	18.81	98	eP	P	06 32 02.3	-0.1
SDV	Santo Domingo	18.81	98	eP	P	06 32 01.6	+1.7
555A	McAlpin	18.82	18	P	Pn	06 32 02.5	+0.4
555A	McAlpin	18.82	18	P	Pn	06 32 03.0	+0.9
556A	Lake Butler	18.88	19	P	Pn	06 32 03.7	+0.9
452A	Marianna	18.97	11	P	Pn	06 32 04.8	+0.9
BRAL	Brewton	19.00	6	eP	Pn	06 32 04.2	-0.1
BRAL	Brewton	19.00	6	P	Pn	06 32 05.2	+0.9
557A	Orange Park	19.12	21	P	Pn	06 32 06.4	+0.6
453A	Whigham	19.15	14	eP	Pn	06 32 07.9	+1.7
453A	Whigham	19.15	14	P	Pn	06 32 07.8	+1.6
349A	Repton	19.16	6	P	Pn	06 32 07.0	+0.8
454A	Quitman	19.19	15	P	Pn	06 32 08.2	+1.6
350A	Dozier	19.33	8	P	Pn	06 32 09.0	+0.7
455A	Staville	19.38	17	P	Pn	06 32 09.3	+0.4
352A	Blakely	19.63	12	eP	Pn	06 32 12.3	+0.5
352A	Blakely	19.63	12	P	Pn	06 32 12.4	+0.5
353A	Camilla	19.65	13	P	Pn	06 32 12.6	+0.5
456A	Hilliard	19.67	19	eP	Pn	06 32 12.0	-0.4
456A	Hilliard	19.67	19	P	Pn	06 32 11.6	-0.7
457A	Yulee	19.73	21	P	P	06 32 12.1	+0.5
249A	Camden	19.79	6	P	Pn	06 32 13.5	-0.2
GRTK	Grand Turk	19.82	60	eP	P	06 32 11.8	-0.9
SDD	Santo Domingo	19.85	69	eP	P	06 32 12.8	-0.2
TIGA	Tifton	19.89	15	eP	Pn	06 32 15.6	+0.7
TIGA	Tifton	19.89	15	P	Pn	06 32 15.1	+0.1
250A	Grady	19.89	8	eP	Pn	06 32 14.8	-0.2
250A	Grady	19.89	8	P	Pn	06 32 14.4	-0.6
VBMS	Vicksburg	19.93	357	P	Pn	06 32 15.5	+0.1
435B	Jarrell	19.95	339	eP	P	06 32 14.3	+0.3
435B	Jarrell	19.95	339	P	P	06 32 13.9	-0.1
355A	Pearson	20.00	17	P	P	06 32 15.2	+0.7
NATX	Nacogdoches	20.03	347	eP	Pn	06 32 15.7	-1.0
NATX	Nacogdoches	20.03	347	P	P	06 32 15.2	+0.3
251A	Midway	20.14	10	P	Pn	06 32 17.3	-0.6
252A	Lumpkin	20.17	12	P	Pn	06 32 17.9	-0.3
356A	Blackshear	20.19	18	P	Pn	06 32 18.3	-0.2
253A	Americus	20.36	13	eP	Pn	06 32 19.4	-1.1
253A	Americus	20.36	13	P	Pn	06 32 19.4	-1.1
147A	Livingston	20.40	3	eP	Pn	06 32 20.7	-0.2
147A	Livingston	20.40	3	P	Pn	06 32 20.5	-0.4
148A	Greensboro	20.41	5	P	Pn	06 32 20.6	-0.6
149A	Jones	20.44	6	P	Pn	06 32 20.4	-1.1
254A	Abbeville	20.45	15	P	Pn	06 32 20.5	-1.1
357A	Townsend	20.49	20	P	Pn	06 32 20.6	+0.7
150A	Eclectic	20.54	8	P	Pn	06 32 21.7	-1.0
JCT	Junction City	20.54	334	eP	P	06 32 20.4	-0.1
JCT	Junction City	20.54	334	eP	P	06 32 20.4	-0.1
JCT	Junction City	20.54	334	P	P	06 32 21.0	+0.4
151A	Opelika	20.57	10	P	Pn	06 32 22.0	-1.0
255A	Hazlehurst	20.65	17	eP	Pn	06 32 22.9	-1.0
255A	Hazlehurst	20.65	17	P	Pn	06 32 22.8	-1.2
152A	Waverly Hall	20.82	11	eP	Pn	06 32 24.6	-1.4
152A	Waverly Hall	20.82	11	P	P	06 32 24.2	+0.8
LRAL	Lakeview Retre	20.85	6	eP	P	06 32 24.6	+0.8
LRAL	Lakeview Retre	20.85	6	P	Pn	06 32 24.9	-1.3
256A	Glennville	20.88	18	P	Pn	06 32 25.4	-1.1

153A	Fort Valley	20.99	13	P	P	06 32 25.8	+0.5
WHTX	Lake Whitney	21.01	341	eP	P	06 32 25.3	-0.3
WHTX	Lake Whitney	21.01	341	P	P	06 32 25.0	-0.6
Z49A	Columbiana	21.06	7	P	P	06 32 26.7	+0.7
HPIG	comp=Z,70nm,0.8s	21.11	316	eP	P	06 32 28.3	+1.4
154A	Montrose	21.13	15	eP	P	06 32 28.0	+1.2
154A	Montrose	21.13	15	P	P	06 32 27.4	+0.6
257A	Skidaway Islan	21.15	20	P	P	06 32 29.1	+2.2
257A	Skidaway Islan	21.15	20	P	P	06 32 27.1	+0.1
Z41A	Richland Creek	21.17	352	eP	P	06 32 28.6	+1.4
Z41A	Richland Creek	21.17	352	P	P	06 32 28.3	+1.1
Z50A	Ashland	21.20	8	eP	P	06 32 27.6	+0.1
Z50A	Ashland	21.20	8	P	P	06 32 27.8	+0.3
155A	Kite	21.31	16	P	P	06 32 29.6	+1.0
Z51A	Franklin	21.37	10	P	P	06 32 30.3	+0.9
Z52A	Wilkinson	21.39	12	P	P	06 32 30.0	+0.4
TXAR	Lajitas Array	21.56	324	P	P	06 32 33.2	+1.7
TXAR	comp=Z,4nm,0.7s,baz=147,slow=11,SNR=319			PcP	PcP	06 36 34.4	+0.6
TXAR	comp=Z,3.4nm,1.1s,baz=154,slow=4.0,SNR=3.5			ScP	ScP	06 40 11.5	+0.8
TXAR	comp=Z,0.2nm,0.8s,baz=146,slow=5.5,SNR=2.3			LR	LR	06 42 18.2	
TX31	Lajitas Ar. Si	21.56	324	eP	P	06 32 32.8	+1.3
156A	Sylvania	21.62	19	P	P	06 32 33.3	+1.3
WLAR	White Oak Lake	21.63	352	eP	P	06 32 32.1	-0.1
Z53A	Monticello	21.65	13	P	P	06 32 32.7	+0.3
Y48A	Jasper	21.70	5	P	P	06 32 33.5	+0.5
CCAR	Cane Creek	21.71	355	eP	P	06 32 33.3	+0.3
Y49A	Blount Mountai	21.73	7	eP	P	06 32 33.5	+0.3
Y49A	Blount Mountai	21.73	7	P	P	06 32 33.7	+0.5
Z54A	Sparta	21.79	15	P	P	06 32 33.9	+0.1
157A	Early Branch	21.80	20	P	P	06 32 35.5	+1.5
GOGA	Godfrey	21.80	14	eP	P	06 32 34.5	+0.5
GOGA	Godfrey	21.80	14	eP	P	06 32 34.5	+0.5
GOGA	Godfrey	21.80	14	P	P	06 32 34.3	+0.3
Y50A	Piedmont	21.85	8	P	P	06 32 34.7	+0.3
Y51A	Rockmart	21.96	10	P	P	06 32 36.2	+0.4
Z55A	Blythe	21.96	17	P	P	06 32 36.2	+0.5
Y52A	Lilburn	22.11	12	eP	P	06 32 37.6	+0.2
Y52A	Lilburn	22.11	12	P	P	06 32 37.5	+0.2
158A	Hollywood	22.13	21	P	P	06 32 37.8	+0.3
ATAH	Atahualpa	22.15	150	P	P	06 32 37.6	-0.8
ATAH	comp=Z,30nm,1.2s,baz=342,slow=10,SNR=9.7			LR	LR	06 39 53.1	
OXF	Oxford	22.20	0	eP	P	06 32 38.6	+0.4
OXF	Oxford	22.20	0	eP	P	06 32 38.6	+0.4
OXF	Oxford	22.20	0	P	P	06 32 38.4	+0.1
Y53A	Monroe	22.20	13	P	P	06 32 38.2	-0.2
X43A	Marvell	22.24	357	eP	P	06 32 38.7	0.0
X43A	Marvell	22.24	357	P	P	06 32 39.5	+0.8
X48A	Hartselle	22.25	5	eP	P	06 32 38.9	+0.1
X48A	Hartselle	22.25	5	P	P	06 32 38.6	-0.2
X47A	Russellville	22.25	4	P	P	06 32 39.1	+0.3
X46A	Boonville	22.26	2	P	P	06 32 39.5	+0.7
Z56A	Williston	22.28	18	eP	P	06 32 39.2	0.0
Z56A	Williston	22.28	18	P	P	06 32 40.1	+0.9
RGRS	Roger Stewart	22.29	21	eP	P	06 32 38.9	-0.3
CRPR	Cabo Rojo, PR	22.33	72	eP	P	06 32 41.7	+1.8
ABTX	Abiene, Hawle	22.36	337	eP	P	06 32 39.3	-0.8
ABTX	Abiene, Hawle	22.36	337	P	P	06 32 39.9	-0.2
X49A	Woolville	22.38	7	P	P	06 32 40.3	0.0
X40A	Basin Creek Fa	22.39	353	eP	P	06 32 39.6	-0.7
X40A	Basin Creek Fa	22.39	353	P	P	06 32 41.5	+1.3
X50B	Fort Payne	22.42	8	P	P	06 32 40.5	-0.2
Y54A	Tignall	22.42	15	P	P	06 32 40.6	-0.1
Z57A	Bowman	22.47	20	P	P	06 32 41.6	+0.4
NHSC	New Hope	22.47	21	eP	P	06 32 42.1	+0.9
NHSC	New Hope	22.47	21	P	P	06 32 41.8	+0.6
MIAR	Mount Ida	22.54	351	eP	P	06 32 42.0	+0.1
MIAR	Mount Ida	22.54	351	eP	P	06 32 42.0	+0.1
MIAR	Mount Ida	22.54	351	P	P	06 32 41.5	-0.4
UALR	University of	22.61	354	eP	P	06 32 42.8	+0.1
X51A	Calhoun	22.64	10	eP	P	06 32 42.6	-0.5
X51A	Calhoun	22.64	10	P	P	06 32 42.5	-0.5
PLAL	Pickwick Lake	22.70	3	eP	P	06 32 43.6	0.0
Y55A	Saluda	22.71	17	P	P	06 32 43.5	-0.2
AOPR	Arcobio Observ	22.73	72	eP	P	06 32 44.8	+0.6
Y56A	Pellon	22.74	18	P	P	06 32 44.2	+0.2
Z58A	St. Stephen	22.81	21	P	P	06 32 44.9	+0.2
OBIP	Obispo Ponce	22.81	72	eP	P	06 32 45.7	+0.8
W46A	Michie	22.84	2	P	P	06 32 45.3	+0.2
ICMP	Isla Caja de M	22.85	73	eP	P	06 32 45.8	+0.4
X52A	Daleburg	22.86	12	P	P	06 32 44.7	-0.6
HODGE	Hodges	22.88	16	eP	P	06 32 45.5	0.0
X53A	Estanoles	22.89	13	P	P	06 32 45.2	-0.4

X37A	Clayton	22.91	347	eP	P	06 32 45.6	-0.3
W48A	Pulaski	22.94	5	P	P	06 32 46.0	-0.2
W49A	Bellevue	22.99	7	P	P	06 32 46.1	-0.5
W41B	Gary Mavity, V	23.00	354	eP	P	06 32 46.2	-0.5
W41B	Gary Mavity, V	23.00	354	P	P</		

W57A	Gilead	24.40	19	eP	P	06 32 59.5	-0.8
W57A	Gilead	24.40	19	P	P	06 32 59.5	-0.8
STVI	Saint Thomas	24.41	72	eP	P	06 32 59.8	-0.8
U49A	Red Boiling Sp	24.42	7	P	P	06 32 59.3	-1.2
V54A	Nebo	24.43	15	P	P	06 33 00.0	-0.6
PCRV	Puerto La Cruz	24.44	92	P	P	06 33 01.4	+0.5
U50A	Jamestown	24.46	9	P	P	06 33 00.0	-0.8
PBMO	Poplar Bluff	24.48	358	eP	P	06 33 00.6	-0.4
W58A	RaeFord	24.53	21	P	P	06 33 00.9	-0.6
U51A	La Follette	24.56	11	P	P	06 33 01.3	-0.5
CPRX	Cap Rock	24.56	330	eP	P	06 33 03.0	+1.0
X60A	Albert Glenn T	24.60	23	P	P	06 33 01.4	-0.6
V55A	Taylorville	24.69	16	P	P	06 33 02.4	-0.6
U52A	Thorn Hill	24.70	12	P	P	06 33 02.0	-1.0
T45A	Paducah	24.71	2	eP	P	06 33 02.7	-0.4
T45A	Paducah	24.71	2	P	P	06 33 02.5	-0.6
T47A	Sharon Grove	24.76	5	eP	P	06 33 02.4	-1.2
T47A	Sharon Grove	24.76	5	P	P	06 33 02.5	-1.1
T46A	Princeton	24.76	3	P	P	06 33 02.8	-0.8
TZTN	Tazewell	24.81	11	eP	P	06 33 02.9	-1.1
TZTN	Tazewell	24.81	11	P	P	06 33 03.1	-0.9
MSTX	Muleshoe	24.82	333	eP	P	06 33 02.9	-1.4
MSTX	Muleshoe	24.82	333	P	P	06 33 03.5	-0.8
U53A	Fall Branch	24.84	13	P	P	06 33 04.1	-0.2
V56A	Mocksville	24.86	18	eP	P	06 33 04.3	-0.2
V56A	Mocksville	24.86	18	P	P	06 33 03.8	-0.7
T48A	Bowling Green	24.95	6	P	P	06 33 05.3	+0.1
W59A	Clinton	24.95	22	P	P	06 33 05.0	-0.2
T49A	Edmonton	25.04	7	eP	P	06 33 04.5	-1.5
T49A	Edmonton	25.04	7	P	P	06 33 05.1	-1.0
T50A	Nancy	25.05	9	P	P	06 33 05.2	-0.9
ABVI	Aneгада Island	25.06	72	eP	P	06 33 05.2	-1.3
W60A	Pink Hill	25.12	23	P	P	06 33 06.6	-0.1
T51A	Gray	25.14	10	P	P	06 33 06.4	-0.7
AMTX	Amarillo	25.15	336	eP	P	06 33 06.1	-1.1
AMTX	Amarillo	25.15	336	P	P	06 33 07.0	-0.1
V57A	Coltrane Farms	25.15	19	P	P	06 33 06.4	-0.7
U54A	Nelsons Funny	25.16	15	eP	P	06 33 04.7	-2.6
U54A	Nelsons Funny	25.16	15	P	P	06 33 06.6	-0.9
CNNC	Cliffs of the	25.21	23	eP	P	06 33 06.8	-0.9
CNNC	Cliffs of the	25.21	23	P	P	06 33 07.1	-0.6
V58A	Windy Hill, Pi	25.28	20	P	P	06 33 07.7	-0.5
U55A	TA2, Sparta	25.35	16	P	P	06 33 08.5	-0.5
S44A	Carbondale	25.38	0	P	P	06 33 09.1	0.0
S47A	Hartford	25.38	5	P	P	06 33 07.6	-1.6
U56A	King	25.39	17	P	P	06 33 08.8	-0.4
S46A	Don Dixon Farm	25.41	3	P	P	06 33 08.6	-0.9
T53A	Wise	25.44	13	P	P	06 33 08.5	-1.3
T52A	Hallie	25.46	12	eP	P	06 33 09.3	-0.7
T52A	Hallie	25.46	12	P	P	06 33 09.1	-0.8
W61A	Ground Anchor	25.51	24	P	P	06 33 09.2	-1.1
S48A	Wiedeman Farm,	25.52	6	P	P	06 33 09.1	-1.4
V59A	Middleton	25.55	22	P	P	06 33 09.7	-1.0
USIN	University of	25.70	3	eP	P	06 33 11.1	-0.9
T54A	Tazewell	25.74	15	P	P	06 33 11.3	-1.2
S49A	Springfield	25.74	8	P	P	06 33 11.2	-1.2
CCM	Cathedral Cave	25.79	357	eP	P	06 33 11.9	-0.9
CCM	Cathedral Cave	25.79	357	eP	P	06 33 11.9	-0.9
CCM	Cathedral Cave	25.79	357	P	P	06 33 11.8	-1.1
U57A	Blanch	25.79	19	P	P	06 33 12.2	-0.6
S51A	Beattyville	25.86	11	eP	P	06 33 12.1	-1.4
S51A	Beattyville	25.86	11	P	P	06 33 12.7	-0.9
V60A	Jim Taylor Roa	25.92	23	eP	P	06 33 14.5	+0.5
V60A	Jim Taylor Roa	25.92	23	P	P	06 33 13.7	-0.3
T55A	Pulaski	26.00	16	P	P	06 33 14.0	-0.8
S52A	Salversville	26.00	12	P	P	06 33 14.1	-0.7
U58A	Oxford	26.01	20	P	P	06 33 14.1	-0.8
WCI	Wyandotte Cave	26.06	6	eP	P	06 33 13.5	-1.9
WCI	Wyandotte Cave	26.06	6	eP	P	06 33 13.5	-1.9
WCI	Wyandotte Cave	26.06	6	P	P	06 33 14.4	-0.9
HSIG	Santa Rosalia	26.07	313	eP	P	06 33 14.7	-0.8
SRIG	Santa Rosalia	26.10	308	eP	P	06 33 15.2	-0.7
T56A	Rocky Mt	26.12	17	P	P	06 33 14.7	-1.2
BLA	Blacksburg	26.18	17	eP	P	06 33 16.6	+0.1
BLA	Blacksburg	26.18	17	eP	P	06 33 16.6	+0.1
BLA	Blacksburg	26.18	17	P	P	06 33 16.0	-0.6
S53A	Williamson	26.20	13	P	P	06 33 15.8	-0.8
V61A	Roper	26.21	24	eP	P	06 33 18.2	+1.5
V61A	Roper	26.21	24	P	P	06 33 16.1	-0.6
U59A	Littleton	26.24	22	eP	P	06 33 16.8	-0.2
U59A	Littleton	26.24	22	P	P	06 33 16.2	-0.8
R49A	Shelbyville	26.25	8	eP	P	06 33 15.3	-1.8
R49A	Shelbyville	26.25	8	P	P	06 33 15.6	-1.5

V62A	Hyde County Ai	26.27	26	P	P	06 33 15.5	-1.7
R48A	Northridge Ran	26.28	6	P	P	06 33 16.3	-1.0
121A	Cocos Peak, D	26.30	323	P	P	06 33 19.6	+1.8
SLM	Saint Louis	26.32	359	eP	P	06 33 18.9	+1.2
SLM	Saint Louis	26.32	359	eP	P	06 33 18.9	+1.2
SKI	Saint Kitts	26.33	76	eP	P	06 33 19.7	+1.7
SKI	Saint Kitts	26.33	76	eP	P	06 33 19.7	+1.7
T57A	Hurt	26.33	19	eP	P	06 33 17.4	-0.4
T57A	Hurt	26.33	19	P	P	06 33 17.3	-0.5
R50A	Paris	26.36	9	eP	P	06 33 17.1	-1.0
R50A	Paris	26.36	9	P	P	06 33 17.2	-0.8
319A	Douglas	26.41	319	eP	P	06 33 20.7	+2.0
OLIL	Olney	26.44	2	eP	P	06 33 18.6	-0.2
R51A	Hillsboro	26.50	10	P	P	06 33 18.5	-0.9
S54A	Dingess, Beckl	26.50	15	P	P	06 33 18.6	-0.8
T58A	Grand View Acr	26.52	20	P	P	06 33 18.6	-0.9
U60A	Pendleton	26.58	23	P	P	06 33 18.5	-1.5
Q45A	Warren Harvey,	26.60	2	P	P	06 33 19.2	-1.0
S55A	Lewisburg	26.69	16	P	P	06 33 20.7	-0.3
R52A	Cattlettsburg	26.72	12	P	P	06 33 21.2	-0.1
U61A	Possom Corner	26.73	24	eP	P	06 33 22.6	+1.3
U61A	Possom Corner	26.73	24	P	P	06 33 20.6	-0.8
Q48A	North Vernon	26.78	6	P	P	06 33 20.8	-1.4
BNM	Barren Site	26.86	327	eP	P	06 33 23.9	+1.1
R53A	Hurricane	26.86	13	eP	P	06 33 21.6	-1.0
R53A	Hurricane	26.86	13	P	P	06 33 21.4	-1.1
S56A	Natural Bridge	26.86	18	P	P	06 33 22.0	-0.7
T59A	Double "B" Far	26.88	21	eP	P	06 33 22.4	-0.3
T59A	Double "B" Far	26.88	21	P	P	06 33 21.6	-1.1
R54A	Victor	26.95	15	P	P	06 33 22.4	-1.0
Y22D	IRIS PASSCAL I	26.95	327	eP	P	06 33 25.5	+1.9
Y22D	IRIS PASSCAL I	26.95	327	P	P	06 33 22.8	-0.8
Q50A	Georgetown	26.97	9	P	P	06 33 22.0	-1.5
BLO	Bloomington	26.98	5	eP	P	06 33 22.5	-1.1
BLO	Bloomington	26.98	5	eP	P	06 33 22.5	-1.1
BLO	Bloomington	26.98	5	P	P	06 33 22.3	-1.4
Q49A	Aux Suda	26.99	8	P	P	06 33 25.3	+0.8
LENM	Lemitar	27.05	327	eP	P	06 33 25.9	+1.0
S57A	Dark Hollow, R	27.12	18	eP	P	06 33 25.9	+1.0
Q51A	Peebles	27.25	10	eP	P	06 33 25.4	-0.6
Q51A	Peebles	27.25	10	P	P	06 33 25.0	-1.1
R55A	Mazon	27.27	16	eP	P	06 33 26.4	+0.1
R55A	Marlington	27.27	16	P	P	06 33 25.7	-0.7
S58A	Poland Farm, P	27.28	20	eP	P	06 33 26.0	-0.3
S58A	Poland Farm, P	27.28	20	P	P	06 33 25.5	-0.9
P47A	Martinsville	27.31	5	P	P	06 33 24.8	-1.8
LAZ	Adron	27.32	327	eP	P	06 33 28.1	+1.1
P43A	Skaggs, Pawnee	27.32	360	P	P	06 33 25.9	-0.7
T60A	Surry	27.33	23	eP	P	06 33 26.9	+0.2
T60A	Surry	27.33	23	P	P	06 33 25.9	-0.9
P46A	Rosedale	27.37	4	P	P	06 33 26.4	-0.7
P48A	Milroy	27.37	7	P	P	06 33 25.7	-1.5
P48A	Milroy	27.37	7	P	P	06 33 25.2	-2.0
ANMO	Albuquerque	27.38	329	P	P	06 33 29.4	+1.9
ANMO	Albuquerque	27.38	329	eP	P	06 33 29.6	+2.1
ANMO	Albuquerque	27.38	329	eP	P	06 33 27.9	+0.4
ANMO	Albuquerque	27.38	329	P	P	06 33 27.5	-0.1
Q52A	Blowers	27.40	12	P	P	06 33 26.3	-1.1
Q53A	Leroy	27.46	14	P	P	06 33 27.2	-0.8
KSU1	Kansas State U	27.52	348	P	P	06 33 27.2	-1.3
P49A	Miami Univ. Ec	27.54	8	P	P	06 33 26.5	-2.1
R56A	Bull Pasture M	27.59	17	P	P	06 33 28.2	-1.0
R56B	Mineral	27.66	20	eP	P	06 33 29.5	-0.2
R56B	Mineral	27.66	20	P	P	06 33 29.3	-0.4
P50A	Jameson	27.75	9	P	P	06 33 29.5	-1.0
Q54A	Coxs Mills	27.75	15	eP	P	06 33 29.9	-0.5
Q54A	Coxs Mills	27.75	15	P	P	06 33 29.8	-0.7
P51A	Williamsport	27.75	11	eP	P		

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

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

ISC/JB 15 08:16:08.9.0.8, 22.73N.0.05:94.40E.0.06, h106km, mb4.0/11, Error ellipse: s-maj=8.8km s-min=6.3km

IDC 15 08:16:09.1.1.6, 22.718N.94.29E, h130km, mb3.6/11, mb1 3.6/13, mb1mx3.3/5.8, mbtmp4.0/13, Error ellipse: s-maj=37.8km s-min=15.5km az=23.0

NDI 15 08:16:11.2.1.9, 22.79N.94.33E, h20km, ML3.6, ISC 15 08:16:09.0.0.9, 22.771N.0.07:94.45E.0.07, h106km, n24, s=1989/32, mb4.0/11, Myanmar

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

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

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

ISC/JB 15 08:18:26.1.0.6, 7.00S.0.05:129.22E.0.08, h139km, mb4.0/6, Error ellipse: s-maj=11.4km s-min=6.5km az=5.7

IDC 15 08:18:33.9.2.1, 6.79S.129.02E, h179km, mb2.1km, mb3.7/6, mb1 3.9/9, mb1mx3.4/4.4, mbtmp4.4/9, Error ellipse: s-maj=35.1km s-min=20.5km az=115.0

ISC 15 08:18:28.0.7.0, 7.09S.0.06:129.36E.0.10, h139km, n10, s=4548/14, mb4.1/6, Banda Sea

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

NEIC 15 08:19:07.0.0.0, 17.02N.94.22W, h148km, MD4.1 (MEX), After MEX.

MEX 15 08:19:06.3.0.8, 16.97N.94.25W, h154km, 8km, MD4.1, Oaxaca

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

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

NNC 15 08:31.31.5.3.9, 54.61N.86.07E, h0km, mb3.8, mpv2.8, 4C-2D, Error ellipse: s-maj=126.4km s-min=24.9km

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

MEX 15 08:38:25.9.0.8, 16.73N.94.96W, h110km, 7km, MD3.7, Oaxaca

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

IDC 15 09:09:30.8.0.8, 2.23N.84.45W, h0km, mb3.9/14, mb1 4.1/19, mb1mx4.0/34, mbtmp3.9/19, ML3.4/5, MS3.9/17, MS1 3.9/17, ms1mx3.7/35, Error ellipse: s-maj=28.9km

ISC/JB 15 09:09:34.0.4.2, 2.22N.0.05:84.46W.0.04, h33km, mb2.4/44, MS3.9/11, Error ellipse: s-maj=8.1km

GCMT 15 09:09:35.1.0.3, 2.21N.0.02:84.48W.0.04, h18km, 1km, MW4.9/75, Moment Tensor Solution. s1, c33; s75, c102; Duration: 0 Moment tensor. Scale 1010N; Mir-2.68; 17; M20.24; 11; M20.24; 11; M20.49; 23; M20.20; 07; M20.08; 39; Best double couple: M2.61600x1016

NEIC 15 09:09:37.1.1.6, 2.37N.84.26W, h36km, 8km, mb4.4/96, Error ellipse: s-maj=20.0km s-min=12.4km az=65.0

ISC 15 09:09:36.6.0.6, 2.21N.0.07:84.42W.0.09, h35km, n100, s=1749/99, mb4.2/44, MS3.9/11, Off coast of central America

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

MACC Macarena, Meta 10.56 91 eP Pn 09 12 06.1 +0.5

PTBC PUERTO BERRIO, 10.78 67 eP Pn 09 12 11.4 +2.8

ZARC Zaragoza, Cauca 10.83 61 eP Pn 09 12 27.5 +3.5

SPBC San Pablo de B 10.84 72 eP Pn 09 12 12.1 +2.6

ESTN Estel 10.90 350 eP Pn 09 12 11.7 +1.4

CHIC Chingaza 10.91 78 eP Pn 09 12 14.1 +3.3

CSGN Cosiguaya Volc 11.05 344 eP Pn 09 12 15.8 +3.5

ATAH Atahuapla 11.14 147 eP Pn 09 12 11.1 -2.7

ATAH 0.3nm, 0.3s, baz=34, slow=7.3, SNR=2.2

ATAH comp=Z, 289nm, 18.9s, baz=319, slow=36

RUSC La Rusia 11.85 72 eP Pn 09 12 30.1 +6.4

TGUH Tegucigalpa, Un 12.01 347 eP Pn 09 12 27.9 +2.5

APG El Apazote 13.96 335 eP Pn 09 12 50.9 -1.4

APG 0.4nm, 0.3s, baz=183, slow=16, SNR=3.6

7.5nm, 1.1s H06E1 SOCORRO T-PHAS0.69 304 T T 09 15 09.4 +2.1

HODGE Hodges 31.83 3 eP P 09 15 59.3 +1.2

TXAR Lajitas Array 32.52 328 P P 09 15 05.3 +0.9

TXAR 0.4nm, 0.9s, baz=152, slow=10, SNR=4.5

KMCS Kings Mountain 32.80 5 eP P 09 16 06.4 -0.2

V484 Smith Brothers 33.34 356 eP P 09 16 11.7 +0.3

T52A Hallie 34.66 2 eP P 09 16 23.0 +0.2

BLA Blacksburg 34.93 6 eP P 09 16 26.1 +0.9

BLA 0.3nm, 0.3s, baz=63, slow=14, SNR=6.0

WMOK Wichita Mounta 34.93 339 eP P 09 16 25.5 +0.3

SS1A Beattyville 35.17 1 eP P 09 16 27.5 +0.3

WCI Wyandotte Cave 35.79 353 eP P 09 16 32.6 0.0

CCM Cathedral Cave 36.13 351 eP P 09 16 34.6 -0.8

319A Douglas 37.24 324 eP P 09 16 46.5 +1.4

MVL Millersville 38.23 10 eP P 09 16 54.0 +0.8

ANMO Albuquerque 38.40 330 eP P 09 16 56.5 +1.5

X18A Snowflake 39.92 326 eP P 09 17 07.5 -0.2

BDFB Brasilia 40.47 118 LR LR 09 16 09.4

BINY Binghamton 40.43 10 eP P 09 17 11.2 -0.5

W13A Hualapai Mount 42.59 323 eP P 09 17 30.2 +0.6

LONY Lake Ozona 43.02 10 eP P 09 17 31.8 -1.0

N23A Red Feather La 43.05 336 eP P 09 17 34.9 +1.4

SRU San Rafael Swe 43.68 330 eP P 09 17 39.5 +1.1

SHPR Sheepshead 44.31 324 eP P 09 17 45.4 +1.9

D53A Lac Vaciue, Po 44.98 6 eP P 09 17 46.8 -1.6

RSSD Black Hills 45.12 340 eP P 09 17 51.5 +1.6

TPNV Topopah Spring 45.25 323 eP P 09 17 51.2 +0.2

R11A Troy Canyon, C 45.82 325 eP P 09 17 56.2 +0.7

PD31 Pinedale Array 46.12 334 eP P 09 19 32.9 -0.7

PDAR Pinedale Array 46.12 334 P P 09 17 57.3 -0.5

PDAR 0.6nm, 0.8s, baz=132, slow=6.6, SNR=6.0

BW06 Boulder Array 46.12 334 eP P 09 17 57.8 0.0

MDND Maddock 47.23 346 eP P 09 18 06.4 +0.2

ELK Elko 47.32 328 eP P 09 18 08.5 +1.3

NV11 Mina Array Sit 47.37 324 eP P 09 18 08.9 +1.4

NV01 Mina Array Sit 47.45 324 eP P 09 18 07.4 +0.9

NVAR Mina Array Bea 47.45 324 P P 09 18 08.4 +0.1

NVAR 0.5nm, 0.8s, baz=125, slow=3.9, SNR=7.6

NVAR 0.5nm, 0.8s, baz=138, slow=3.1, SNR=8.3

NVAR 0.5nm, 1.1s, baz=139, slow=3.6, SNR=7.7

ULM Lac du Bonnet 48.75 350 P P 09 18 17.2 -0.6

ULM 5.4nm, 0.9s, baz=160, slow=6.3, SNR=5.7

ULM comp=Z, 99nm, 21.5s, baz=142, slow=5

ULM Lac du Bonnet 48.75 350 eP P 09 18 17.7 -0.1

HLID Hailey 49.27 333 eP P 09 18 20.4 +0.6

MCMT McKenzie Canyo 49.40 331 eP P 09 18 22.1 +0.3

WALA Waterlon Lakes 52.97 336 eP P 09 18 50.7 +0.9

SCHO Schefferville 54.29 12 LR LR 09 18 42.6

YKA Yellowknife Ar 64.12 345 P P 09 20 07.1 +0.1

PPT Papeete 67.14 250 LR LR 09 18 41.3

DAW Dawson 73.26 338 eP P 09 21 04.3 +0.2

INK Inuvik 73.72 343 P P 09 21 07.1 +0.5

INK Inuvik 73.72 343 eP P 09 21 07.3 +0.6

DOT Dot Lake 74.86 336 eP P 09 21 14.2 +0.7

ILAR Eielson Array 75.46 337 P P 09 21 21.7 -0.9

ESDC Sonseca Array 81.18 50 P P 09 21 48.1 -0.9

TOA1 Torod Ar. Sit 85.79 77 eP P 09 22 11.6 -1.1

TORD Torod Ar. Bea 85.70 77 P P 09 22 11.6 -1.1

VYNS Vyhne 97.04 41 eP P 09 23 03.3 -1.7

VYNS Vanda 97.27 192 LR LR 09 23 05.6

KSH Kashi 134.65 21 ePKP PKP 09 28 50.4 +4.5

KSH Kashi 134.65 21 PKP PKP 09 28 50.3 +2.3

LZH Lanzhou 141.03 349 ePKP PKP 09 29 05.3 +1.3

LZH Lanzhou 141.03 349 pPKP PKP 09 29 10.4 +3.7

LZH Lanzhou 141.03 349 sPKP PKP 09 29 12.1

LZH comp=N, 55nm, 18.3s

LZH comp=E, 49nm, 18.1s

LZH comp=Z, 76nm, 20.0s

CD2 Chengdu 146.06 347 PKPbc PKPab 09 29 14.5 +0.3

NNC 15 09:13:29.2.2.4, 53.45N.87.69E, h0km, mb3.4, mpv3.1, Error ellipse: s-maj=19.6km s-min=11.7km az=61.0, Suspected Mining explosion.

IDC 15 09:13:29.4.2.5, 53.53N.87.70E, h0km, mb1 3.5/2, mb1mx3.1/36, mbtmp3.5/2, ML3.02, 2C-6D, Error ellipse: s-maj=23.8km s-min=14.4km az=60.0, Suspected Mining explosion.

Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAAO, ZAAO, ZAAO, etc.

ZAAO Zalesovo Array 1.76 285 eP Pn 09 14 00.8 -0.3

ZAAO 0.6nm, 0.3s

ZAAO 3.2nm, 0.7s

ZALV Zalesovo Beam 1.76 285 P Pn 09 14 00.8 -0.3

ZALV 4.2nm, 0.3s, baz=99, slow=14, SNR=25

ZALV 4.8nm, 0.3s, baz=104, slow=25, SNR=16

ZALV 7.7nm, 0.3s, baz=106, slow=32, SNR=22

ZALV 14.6nm, 0.3s, baz=109, slow=33, SNR=19

I46RU ZALESOVO INFRA 1.76 285 I Pn 09 25 08.7

KURBB Kurchatov Arra 6.36 246 Pn Pn 09 15 05.2 +0.9

KURBB 0.3nm, 0.3s, baz=63, slow=14, SNR=6.0

KURBB baz=51, slow=35, SNR=2.5

KURBB 0.1nm, 0.3s, baz=68, slow=6, SNR=6.0

KURBB Kurchatov Arra 6.36 246 eP Pn 09 15 05.0 +0.7

KURBB 2.3nm, 0.3s

KURBB 6.1nm, 0.8s

MK31 Makanchi Array 7.58 209 eP Pn 09 15 19.4 -1.7

MK31 3.1nm, 1.1s, baz=28, slow=12, SNR=10

MK31 0.8nm, 0.6s

MK31 2.6nm, 0.8s

MKAR Makanchi Array 7.58 209 Pn Pn 09 15 26.2 +1.2

MKAR 0.2nm, 0.3s, baz=28, slow=13, SNR=8.2

MKAR 0.1nm, 0.3s, baz=26, slow=24, SNR=3.5

Table of astronomical observations for 15d 11h, listing station names, codes, times, and residuals. Includes entries for AKASG, AKKB, VLC, etc.

Table of astronomical observations for 2013 JUL, listing station names, codes, times, and residuals. Includes entries for BORG, SPITS, HFS, etc.

Table of astronomical observations for 748, listing station names, codes, times, and residuals. Includes entries for KBS, KKS, SPA0, etc.

ISCJB 15 11:22:46.6±0.6, 70.04N±0.09, 15.7W±0.2, h10km, mb3.6/7, Error ellipse: s-maj=12.9km s-min=11.1km az=179.7

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like OJC, KRUC, DAVOX, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like WMQ, KSH, SMCO, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like IAKL, JRKH, IRYK, etc.

IDC 15:11:38:14.7,2.0,5.60N,125.76E,h0km,mb3.7/4, mb1.3/9.4,mb1mx3.4/33,mbtp3.7/4, Error ellipse: s-maj=180.5km s-min=23.9km az=64.0, Mindanao

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

NNC 15:11:55:29.8,3.8,34.88N,58.53E,h0km,mb4.0, Error ellipse: s-maj=53.8km s-min=15.9km az=59.0

IDC 15:11:55:36.0,1.1,35.39N,58.71E,h0km,mb3.8/9, mb1.0/1.4,mb1mx3.8/39,mbtp4.0/1.4,ML3.8/5,MS3.6/1, Ms1.3/6.1,ms1mx2.6/43, Error ellipse: s-maj=17.3km s-min=15.9km az=45.0

ISCJB 15:11:55:37.2,0.2,35.49N,0.02:58.95E:0.03,h10km, mb4.1/1.2,MS3.4/2, Error ellipse: s-maj=3.7km s-min=2.6km az=36.1

TEH 15:11:55:37.5,35.49N,58.87E,h10km,ML4.0, NEIC 15:11:55:37.0,0.0,35.47N,58.83E,h7km,mb4.0/1.0, ML4.0(THR),MN4.0(TEH),After TEH.

THR 15:11:55:39.0,35.38N,58.81E,h15km,ML4.0, MOS 15:11:55:39.1,8.35:53N,58.58E,h33km,mb4.0/7, Error ellipse: s-maj=7.3km s-min=6.9km az=104.0

ISC 15:11:55:38.2,0.5,35.49N,0.03:58.87E:0.04,h10km,n131, r166/133,mb4.2,12C-4D,Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IMOG, IPAY, BOOM.

Table with columns: BOOM, Boomocks usch, 14.99, 57, eP, Pn, 11 59 11.1 +0.9, etc. Includes entries like KIV Kislovodsk, RAYN Ar Rayn, BRVK Borovoye, etc.

Table with columns: CTAO Charters Tower, 33.24, 260, eP, P, 12 13 52.5 -0.2, etc. Includes entries like CAN Canberra, COEN Coen, TOO Toolangi, etc.

Table with columns: CN2 Changchun, 79.83, 322, eP, P, 12 19 12.9 +1.0, etc. Includes entries like J04D Umpqua Natona, LDFC Landfair, KVN Kaysville, etc.

Table with columns: IDC 15 12:07:57.6, 1.6, 17:86S, 178:56W, h516km, 17km, etc. Includes entries like AFI Afiamalu, NIUE Niue, MARNC Mare, Loyalty, etc.

Table with columns: M02C Callahan, 78.31, 39, P, 12 19 05.2 +1.1, etc. Includes entries like O03E Paynes Creek, LR02 Cave Junction, L02C Laurel Mt Rad, etc.

Table with columns: BALM Baldy, 82.86, 49, eP, P, 12 19 32.0 +0.1, etc. Includes entries like MAW Mawson, D08A William Barn, KTH Kantishna Hill, etc.

Table with columns: ID, Name, Az, El, P, Res, and various other parameters. Includes entries like BW06 Boulder Array, PDAR Pineda Array, H171 Grant Village, etc.

Table with columns: ID, Name, Az, El, P, Res, and various other parameters. Includes entries like PRU Pruhonice, GOPC Gop Pecny, VYHS Vyhne, etc.

Table with columns: ID, Name, Az, El, P, Res, and various other parameters. Includes entries like MTN Manton Dam, WRAB Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes entries like H11S3 WAKE ISLAND Hy 30.41 153 T, ILAR ELSELON Array 36.60 39 P, INK Inuvik 41.69 32 P, etc.

ISCJB 15 13:16:55.0-0.3, 61.59N-0.01; 141.04W-0.02, h5km, 2km, mb4.3/88, MS3.7/11, Error ellipse: s-maj=2.2km s-min=1.8km az=220.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes entries like YUK2 White River 0.24 23 P, YUK3 Moose Creek 0.35 53 P, YUK1 Sand Pete Hill 0.64 22 P, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes entries like YUK2 White River 0.24 23 P, YUK3 Moose Creek 0.35 53 P, YUK1 Sand Pete Hill 0.64 22 P, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes entries like POKR Poker Plat Res 4.58 324 P, BWN Browne 4.66 306 ePn, JIS Jisneau Island 4.70 132 ePn, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes entries like BILL comp=Z,4.0nm,0.5s pmax pmax, BILL comp=Z,32nm,14.0s pmax pmax, YBH Yaka Blue Hor 22.73 142 LR, etc.

TUC	Tucson	35.20 132	eP	P	13 23 53.0 +1.8
L40A	Anamita	35.31 100	eP	P	13 23 53.5 +1.5
D47A	Chapleau	35.47 87	P	P	13 23 53.1 -0.1
E47A	Iron Bridge	35.82 88	P	P	13 23 56.5 +0.3
D48A	Paudash Townsh	36.00 86	P	P	13 23 58.6 +0.8
D49A	Beulah Townshi	36.15 85	P	P	13 23 59.9 +0.8
MATO	Matagami	36.17 79	P	P	13 23 59.5 +0.3
E48A	Lockeyer	36.33 87	P	P	13 24 01.1 +0.4
F48A	Evansville	36.59 88	P	P	13 24 03.0 +0.2
MSTX	Muleshoe	36.81 121	P	P	13 24 06.8 +1.8
F49A	Sandfield	36.91 88	P	P	13 24 05.4 -0.1
E50A	Wahnapitae	37.05 86	P	P	13 24 05.9 -0.9
D51A	Lot 16 Range I	37.22 84	P	P	13 24 08.4 +0.2
M44A	Midewin, Midew	37.34 98	P	P	13 24 08.6 -0.7
VLDO	Vai d'Or	37.40 81	eP	P	13 24 07.7 -2.1
E51A	G1948 Merrick	37.57 85	P	P	13 24 11.0 -0.2
CHGO	Chibougamau	37.59 77	P	P	13 24 10.8 -0.5
SHCG	Schefferville	37.67 66	LR	LR	13 23 26.9
MNTX	Cornudas Mount	37.76 126	P	P	13 24 13.8 +0.8
D52A	ZEK Kipawa Sen	37.76 83	P	P	13 24 12.8 0.0
F51A	Arnstein	37.81 86	P	P	13 24 12.7 -0.4
WMOK	Wichita Mouta	37.84 115	eP	P	13 24 13.7 +0.1
WMOK	Wichita Mouta	37.84 115	eP	P	13 24 13.7 +0.1
WMOK	Wichita Mouta	37.84 115	eP	P	13 24 14.4 +0.8
I49A	Point Hope	37.88 90	P	P	13 24 14.1 +0.3
P43A	Skaggs, Pawnee	38.01 101	P	P	13 24 15.3 +0.4
D53A	Lac Vacive, Po	38.03 83	eP	P	13 24 14.9 -0.1
D53A	Lac Vacive, Po	38.03 83	eP	P	13 24 15.4 +0.4
KLBO	Kilibeer Provi	38.08 87	P	P	13 24 15.7 +0.2
E52A	Mattawa	38.15 84	P	P	13 24 16.0 0.0
BMRO	Merriville Lake	38.16 88	P	P	13 24 16.4 +0.2
F52A	Sundridge	38.19 85	P	P	13 24 16.6 +0.2
BASO	Ashfield	38.38 89	P	P	13 24 18.6 +0.6
BUKO	Buck Lake	38.41 86	P	P	13 24 18.4 +0.1
D54A	Lac Fusel, La	38.47 82	P	P	13 24 18.6 -0.2
CCM	Cathedral Cave	38.48 104	P	P	13 24 18.8 0.0
E53A	Dumoine, Ponti	38.55 83	P	P	13 24 18.4 -0.0
ALGO	Algonquin Park	38.67 84	P	P	13 24 19.0 -1.4
E54A	Lac Duplat, Po	38.74 83	P	P	13 24 20.8 -0.2
I51A	Listowel	38.85 89	P	P	13 24 21.9 -0.1
YAK	Yakutsk	39.00 311	iP	P	13 24 21.2 -1.8
U40A	Yellville	39.12 108	P	P	13 24 23.7 -0.7
PEMO	Pembroke	39.26 84	P	P	13 24 25.7 +0.3
W39A	Magazine	39.66 110	eP	P	13 24 29.2 +0.4
W39A	Magazine	39.66 110	eP	P	13 24 28.9 +0.1
PBMO	Poplar Bluff	39.89 105	eP	P	13 24 30.9 +0.1
DELO	Deloro Mine	39.94 85	eP	P	13 24 31.2 +0.2
TRQ	Mont Tremblant	40.14 81	eP	P	13 24 32.8 0.0
MIAR	Mount Ida	40.10 110	P	P	13 24 35.1 +0.9
LTX	Lajitas	40.53 125	eP	P	13 24 38.6 +2.4
LTX	Lajitas	40.53 125	eP	P	13 24 38.6 +2.4
TXAR	Lajitas Array	40.53 125	eP	P	13 24 38.6 +2.4
TXAR	Lajitas Array	40.53 125	eP	P	13 24 38.6 +2.4
H56A	Elgin	40.53 84	P	P	13 24 35.2 -0.8
PECO	Prince Edward	40.68 85	P	P	13 24 36.8 -0.3
P50A	Jamesown	40.75 96	P	P	13 24 37.6 -0.2
MOQ	Mont Orford	41.90 80	eP	P	13 24 47.8 +0.5
M56A	Emporium	41.97 89	P	P	13 24 48.2 +0.3
P53A	Whipple	41.99 93	P	P	13 24 48.7 +0.7
N55A	Marion Center	42.13 90	P	P	13 24 49.3 +0.1
OXF	Oxford	42.23 106	P	P	13 24 51.1 +1.1
U49A	Red Boiling Sp	42.28 100	P	P	13 24 51.2 +0.8
T50A	Nancy	42.31 99	P	P	13 24 51.9 +1.2
Q53A	Leroy	42.42 94	P	P	13 24 53.3 +1.8
T51A	Gray	42.78 98	P	P	13 24 54.8 +0.3
U50A	Weston	42.80 99	P	P	13 24 55.2 +0.5
V49A	McMillenville	42.83 101	P	P	13 24 54.8 -0.1
LBNH	Lisbon	42.85 81	P	P	13 24 55.4 +0.5
W48A	Pulaski	42.86 103	P	P	13 24 54.8 -0.3
M58A	Price's Panora	42.88 87	P	P	13 24 54.0 -1.3
PKME	Peaks-Kenny Pk	43.32 78	eP	P	13 24 59.1 +0.4
PKME	Peaks-Kenny Pk	43.32 78	eP	P	13 24 59.4 +0.7
X48A	Hartselle	43.37 103	P	P	13 24 59.2 0.0
V51A	Loudon	43.53 99	P	P	13 25 00.4 -0.1
R55A	Marlinton	43.55 93	P	P	13 24 59.8 -1.0
O58A	Lewisberry	43.63 89	P	P	13 25 00.3 -1.0
X49A	Woodville	43.66 102	P	P	13 25 02.4 +0.8
W51A	Cleveland	43.86 100	P	P	13 25 04.2 +1.0
X50B	Fort Payne	44.02 102	P	P	13 25 05.7 +1.2
YSS	Yuzh-Sakhalins	44.12 287	iP	P	13 25 04.6 -0.5
X51A	Calhoun	44.30 101	P	P	13 25 07.3 +0.6
V53A	Saluda	44.37 98	P	P	13 25 08.4 +1.1
PAL	Palisades	44.38 86	P	P	13 25 07.9 +0.6

Y50A	Piedmont	44.44 102	P	P	13 25 09.2 +1.3
U55A	TAZ, Sparta	44.53 96	P	P	13 25 09.9 +1.3
Z50A	Ashland	44.88 103	P	P	13 25 12.2 +0.8
LMN	Caledonia Moun	44.96 74	eP	P	13 25 12.3 +0.4
149A	Jones	45.02 104	P	P	13 25 13.6 +1.1
X53A	Estanolee	45.09 100	P	P	13 25 13.8 +0.8
Y52A	Lilburn	45.25 101	P	P	13 25 15.3 +1.0
Z52A	Williamson	45.64 102	P	P	13 25 16.5 -0.9
LNIG	Linares	46.15 123	eP	P	13 25 20.7 -0.8
X56A	White Oak	46.17 97	P	P	13 25 21.9 +0.3
Z54A	Sparta	46.34 100	P	P	13 25 23.3 +0.4
ARA0	ARCESS Array S	48.83 6	eP	P	13 25 43.4 +1.6
ARCES	ARCESS Array S	48.83 6	eP	P	13 25 43.4 +1.6
MJAR	Matsushiro Arr	54.37 282	eP	P	13 26 24.4 +0.7
MAJO	Matsushiro	54.38 282	eP	P	13 26 24.4 +0.7
MAJO	Matsushiro	54.38 282	eP	P	13 26 24.4 +0.7
NB200	NORSAR Array S	55.88 16	eP	P	13 26 32.7 -1.6
NOA	NORSAR Array S	55.88 16	eP	P	13 26 32.7 -1.6
FAIO	FINESS Array S	56.92 7	eP	P	13 26 41.6 +0.1
FAIO	FINESS Array S	56.92 7	eP	P	13 26 41.6 +0.1
FINES	FINESS Array S	56.92 7	eP	P	13 26 41.6 +0.1
SONA	Songino Array	58.32 313	P	P	13 26 53.4 +1.5
SONM	Songino Array	58.32 313	P	P	13 26 53.4 +1.5
ZAA1	Zalesovo Array	59.25 330	eP	P	13 26 57.5 -0.6
ZAA0	Zalesovo Array	59.25 330	eP	P	13 26 57.5 -0.6
ZALV	Zalesovo Beam	59.25 330	eP	P	13 26 57.5 -0.6
VSU	Vasula	59.58 7	ceP	P	13 27 02.1 -0.5
SVE	Sverdlovsk	60.73 347	eP	P	13 27 09.1 +1.0
ARU	Arti	61.34 348	eP	P	13 27 12.0 -0.3
ARU	Arti	61.34 348	ceP	P	13 27 11.9 -0.3
HHC	Hu-ho-hao-te	62.38 305	P	P	13 27 21.0 +1.3
HHC	Hu-ho-hao-te	62.38 305	P	P	13 27 21.0 +1.3
HHC	Hu-ho-hao-te	62.38 305	P	P	13 27 21.0 +1.3
DGZ	Jazzart, Alta	62.50 327	iP	P	13 27 21.0 +0.6
BRVK	Borovoye	63.04 339	eP	P	13 27 22.5 -1.2
BRVK	Borovoye	63.04 339	iP	P	13 27 23.1 -0.7
OBN	Obninsk	63.64 21	ePP	sP	13 27 28.7 +1.0
OBN	Obninsk	63.64 21	ePP	sP	13 27 31.1 +0.6
OBN	Obninsk	63.64 21	ePP	sP	13 28 03.2
KURK	Kurchatov	63.67 333	eP	MLR	13 27 27.0 -0.9
KURK	Kurchatov	63.67 333	ceP	P	13 27 27.3 -0.6
BRG	Bergglushubel	66.14 17	eP	P	13 27 44.3 +0.3
BRG	Bergglushubel	66.14 17	eP	P	13 27 44.3 +0.3
MK31	Makanchi Array	66.50 329	eP	P	13 27 46.7 +0.3
MK31	Makanchi Array	66.50 329	eP	P	13 27 46.7 +0.3
MK32	Makanchi Array	66.50 329	eP	P	13 27 47.5 +1.1
MKAR	Makanchi Array	66.50 329	eP	P	13 27 47.5 +1.1
MKAR	Makanchi Array	66.50 329	ceP	P	13 27 48.9 +2.5
AKAS	Malin Array Be	67.81 7	eP	P	13 27 54.5 -0.1
AKBB	Malin Array Si	67.81 7	eP	P	13 27 54.4 -0.2
AKBB	Malin Array Si	67.81 7	eP	P	13 27 54.4 -0.2
WMQ	Urumqi	67.83 324	eP	LR	13 27 57.6 +2.6
WMQ	Urumqi	67.83 324	eP	LR	13 27 57.6 +2.6
WMQ	Urumqi	67.83 324	eP	LR	13 27 57.6 +2.6
GTA	Gaotai	68.00 313	eP	P	13 27 54.8 -1.4
GTA	Gaotai	68.00 313	eP	P	13 28 01.3 +1.0
GTA	Gaotai	68.00 313	eP	P	13 28 10.1 +1.1
GEC2	GERESS Array S	68.08 18	eP	P	13 27 56.8 +0.3
GEC2	GERESS Array S	68.08 18	eP	P	13 27 56.8 +0.3
GEC2	GERESS Array S	68.08 18	eP	P	13 27 56.8 +0.3
ABKAR	Abkulaq array	68.25 345	eP	P	13 27 57.5 +0.1
KOLS	Kolonick sedl	69.04 12	eP	P	13 28 03.7 +1.3
KOLS	Kolonick sedl	69.04 12	eP	P	13 28 03.7 +1.3
VYHS	Vyhne	69.10 14	eP	P	13 28 03.2 +0.4
BUR08	Bucovina Ar. S	69.10 10	eP	P	13 28 03.2 +0.4
KK31	Karatay Array	72.59 336	eP	P	13 28 23.8 -0.3
KK31	Karatay Array	72.59 336	eP	P	13 28 23.8 -0.3
KKAR	Karatay Array	72.59 336	eP	P	13 28 23.5 -0.6
KKAR	Karatay Array	72.59 336	eP	P	13 28 23.5 -0.6
ESDC	Sonce Array S	73.27 33	eP	P	13 28 28.5 +0.3
KIV	Kislovodsk	74.79 357	eP	P	13 28 36.8 -0.3
KIBZ	Khabaz	75.01 357	P	P	13 28 38.9 +0.7
GAR	Garm	76.59 335	eP	P	13 28 47.2 -0.2
GAR	Garm	76.59 335	eP	P	13 28 47.2 -0.2
BR101	Bresnan Array S	78.96 4	eP	P	13 29 01.4 +0.6
BRTR	Keskin Array S	78.96 4	eP	P	13 29 01.4 +0.6
KMI	Kunming	79.68 304	P	P	13 29 03.8 -1.2
KMI	Kunming	79.68 304	P	P	13 29 03.8 -1.2
KEST	Kesra	80.10 24	P	P	13 29 08.0 +1.1
KEST	Kesra	80.10 24	eP	P	13 29 08.0 +1.1
NIL	Nilore	81.11 332	eP	P	13 29 12.1 -0.2

NIL	Nilore	81.11 332	eP	P	13 29 12.1 -0.2
PTGA	Phinga	86.38 98	eP	P	13 29 39.6 +0.2
CM31	Chiang Mai Arr	87.19 305	eP	P	13 29 44.0 +0.6
CMAR	Chiang Mai Arr	87.19 305	eP	P	13 29 44.0 +0.6
VNDA	Vanda	143.18 198	PKP	PKPdf	13 36 27.9 -1.4
BOSA	Boshof	145.80 22	PKPbc	PKPdf	13 36 35.5 0.0
<p>ISC 15 13:19:21.4-8.7, 18.125x176.56E, h0km, mb3.9/3, mb1 4.1/1.4, mb1mx3.7/30, mbtmap4.0/4, ML3.9/1, Error ellipse: s-maj=168.4km s-min=112.8km az=118.0, Fiji Islands region</p>					
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
DZM	Mont Dzumac	10.28 246	Op	13 21 50.7 +0.4	ISC
STKA	Stephens Creek	34.24 240	Pn	13 26 11.8 +1.7	ISC
WRA	Warravunga Arr	39.88 250	P	13 26 55.9 -1.3	ISC
ASAR	Alice Springs	40.12 255	P	13 26 59.0 -0.3	ISC
<p>ISCJB 15 13:28:03.5-0.7, 1.34N-0.05-126.12E-0.09, h54km, Error ellipse: s-maj=12.5km s-min=6.3km az=169.2, DJA 15 13:28:03.4-0.7, 1.N4.4x12.6E, h20km-11km, M4.1/7, MLV4.1/7</p>					
Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
TNTI	Ternate	1.33 115	Op	13 28 27.2 +0.3	ISC
LBMI	Labuha	2.38 146	P	13 28 21.2 -0.7	ISC
SGSI	Sangihe	2.41 345	P	13 28 18.4 -0.6	ISC
SGSI	Sangihe	2.41 345	S	13 29 11.4 +0.6	ISC
LUWI	Luwuk	4.14 235	P	13 29 05.2 -0.9	ISC
DDMP	Don Marcelino,	4.75 355	eP	13 29 11.2 -3.2	ISC
DMR	Dumali	5.08 358	eS	13 30 08.0 -0.3	ISC
APSI	Apung	5.04 244	P	13 29 18.3 -0.1	ISC
SKMP	Bangka Bayan, Su	5.39 343	eP	13 29 21.6 -1.7	ISC
SKMP	Bangka Bayan, Su	5.39 343	eS	13 30 24.2 +0.2	ISC
KCP	Kidapawan	5.73 349	iP	13 29 29.9 +1.9	ISC
KCP					

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TIPB	Shuangxi baz=334	1.53 321	↑P	Pn	13 42 05.1 +0.4
TIPB			S	Sn	13 42 23.6 +0.1
NNS	Nan Shan baz=287	1.53 296	↓P	Pn	13 42 05.0 +0.2
NNS			S	Sn	13 42 22.7 -0.9
CHKT	Chengkung baz=285	1.55 244	↓P	Pn	13 42 03.2 -1.8
CHKT			eS	Sn	13 42 19.8 -4.1
CHGB	Renai baz=273	1.59 280	↓P	Pn	13 42 05.4 -0.4
CHGB			eS	Sn	13 42 21.8 -3.4
VWDT	VWDT baz=261	1.60 269	↓P	Pn	13 42 05.3 -0.4
VWDT			S	Sn	13 42 23.5 -1.6
NWF	Wu-fen Shan baz=322	1.63 322	↑P	Pn	13 42 06.8 +0.6
NWF			S	Sn	13 42 26.2 +0.2
WFSB	Wu-fen Shan baz=322	1.63 322	↑P	Pn	13 42 06.8 +0.7
WFSB			eS	Sn	13 42 24.8 -1.2
TWT	Tachien baz=287	1.64 287	↓P	Pn	13 42 06.7 +0.4
TWT			S	Sn	13 42 25.4 -0.8
YHNB	Yeheng baz=292	1.64 303	ePn	Pn	13 42 06.8 +0.5
YHNB		1.64 303	↓P	Pn	13 42 06.9 +0.6
NSK	Sanguang baz=291	1.66 303	↓P	Pn	13 42 07.1 +0.6
NSK			eS	Sn	13 42 25.9 -0.7
TWA	Mucha baz=330	1.69 315	eP	Pn	13 42 07.6 +0.8
TWA			eS	Sn	13 42 27.2 0.0
TATO	Taipei baz=327	1.75 313	ePn	Pn	13 42 08.7 +1.1
TATO		1.75 313	P	Pn	13 42 08.5 +0.9
TATO			eS	Sn	13 42 29.9 +1.3
TATO		1.75 313	P	Pn	13 42 10.3 +2.6
SSLB	Suanguang baz=271	1.77 271	ePn	Pn	13 42 07.5 -0.5
SSLB		1.77 271	↓P	Pn	13 42 07.6 -0.5
SSLB			S	Sn	13 42 27.1 -2.3
TAP	Taipei baz=328	1.78 315	eP	Pn	13 42 09.1 +1.0
TAP			eS	Sn	13 42 30.5 +1.0
YUS	Yu-Shan baz=261	1.80 261	↓P	Pn	13 42 08.6 -0.3
YUS			S	Sn	13 42 28.9 -1.8
YM01	YM01 baz=318	1.81 319	eP	Pn	13 42 09.0 +0.4
YM01			eS	Sn	13 42 30.8 +0.4
ELDTW	Lidau baz=251	1.82 251	↓P	Pn	13 42 07.5 -1.2
ELDTW			eS	Sn	13 42 27.3 -3.3
SMLT	Sun Moon Lake baz=273	1.82 274	↓P	Pn	13 42 08.9 +0.1
SMLT			S	Sn	13 42 29.8 -1.0
YM10	YM10 baz=318	1.83 319	eP	Pn	13 42 09.1 +0.3
YM10			eS	Sn	13 42 30.7 -0.1
YM05	YM05 baz=318	1.83 319	↑P	Pn	13 42 09.1 +0.2
YM05			eS	Sn	13 42 29.9 -0.9
WLTB	Daxi baz=294	1.83 306	P	Pn	13 42 10.6 +1.7
WLTB			S	Sn	13 42 32.5 +1.7
YM03	YM03 baz=319	1.86 319	P	Pn	13 42 09.5 +0.3
TYC	Yuchr baz=274	1.86 274	↓P	Pn	13 42 09.4 +0.2
TYC			eS	Sn	13 42 30.7 -0.8
JTJ	Tarama baz=274	1.86 62	↓P	Pn	13 42 09.2 -0.1
JTJ			S	Sn	13 42 32.6 +1.0
WHYT	Xinyi Township baz=268	1.87 268	↓P	Pn	13 42 09.4 +0.1
WHYT			eS	Sn	13 42 30.8 -1.0
ANP	Anpu baz=319	1.87 319	eP	Pn	13 42 10.9 +1.4
TWS1	Kuangyinshan baz=327	1.88 315	P	Pn	13 42 10.3 +0.8
TWS1			S	Sn	13 42 33.1 +1.2
JWJ	Chenhua baz=322	1.90 322	eP	Pn	13 42 10.6 +0.9
TWY			eS	Sn	13 42 32.9 +0.5
TTN	Taitung baz=237	1.90 238	P	Pn	13 42 08.4 -1.3
TTN			S	Sn	13 42 30.0 -2.4
NTST	Danshui baz=317	1.90 317	eP	Pn	13 42 10.6 +0.8
LIOB	Emei baz=287	1.91 297	↓P	Pn	13 42 11.7 +1.7
LIOB			S	Sn	13 42 33.6 +0.8
TWGBT	Beinan baz=232	1.92 240	↓P	Pn	13 42 08.7 -1.3
TWGBT			S	Sn	13 42 29.9 -3.1
NSTT	Nanjuang baz=286	1.92 297	↓P	Pn	13 42 11.7 +1.6
NSTT			S	Sn	13 42 34.2 +1.2
TWG	Pinlang baz=232	1.92 241	ePn	Pn	13 42 08.8 -1.3
TWG		1.92 241	↓P	Pn	13 42 08.8 -1.3
TWG			S	Sn	13 42 30.1 -3.0
ALS	Alishan baz=262	1.93 262	↓P	Pn	13 42 10.8 +0.3
ALS			eS	Sn	13 42 32.7 -0.9
NCU	National Centr baz=295	1.95 308	P	Pn	13 42 11.8 +1.3
NCU			S	Sn	13 42 35.1 +1.4
NCUH	Zhongli baz=294	1.95 308	eP	Pn	13 42 11.8 +1.4
NCUH			eS	Sn	13 42 34.7 +0.9
WJS	Zhushan baz=264	1.98 272	↓P	Pn	13 42 11.9 +1.1
WJS			eS	Sn	13 42 35.9 +1.5
SBCB	Hsinchu baz=300	2.01 301	P	Pn	13 42 12.8 +1.6
SBCB			eS	Sn	13 42 35.4 +0.3
TWQ1	Liyutan baz=286	2.01 287	↓P	Pn	13 42 13.1 +1.7
TWQ1			S	Sn	13 42 37.1 +1.8
WNT	Mingjian baz=273	2.02 273	↓P	Pn	13 42 12.8 +1.4
WNT			eS	Sn	13 42 36.4 +1.0
HSN	Hsinchu baz=301	2.02 301	eP	Pn	13 42 12.4 +1.0
HSN			S	Sn	13 42 36.8 +1.2
CHN5	Tsauling baz=265	2.03 265	↓P	Pn	13 42 12.6 +0.9
CHN5			S	Sn	13 42 36.3 +0.4

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NSY	Sanyi baz=288	2.04 288	↓P	Pn	13 42 13.6 +1.9
NSY			S	Sn	13 42 37.5 +1.5
STYT	Taiwan baz=246	2.05 253	↓P	Pn	13 42 11.7 -0.2
STYT			S	Sn	13 42 34.8 -1.5
TCU	Taichung baz=280	2.06 281	↓P	Pn	13 42 13.8 +1.9
TCU			S	Sn	13 42 38.6 +2.3
NMLH	Miaoili baz=291	2.06 292	↓P	Pn	13 42 13.8 +1.9
NMLH			S	Sn	13 42 37.5 +1.2
PTSB	Yuanli baz=288	2.10 289	↓P	Pn	13 42 14.2 +1.7
PTSB			S	Sn	13 42 38.4 +1.0
LAY	Lan-yu baz=224	2.13 216	eP	Pn	13 42 10.6 -2.3
TPUB	Ta-pu baz=257	2.13 257	ePn	Pn	13 42 13.7 +0.7
TPUB		2.13 257	↓P	Pn	13 42 13.8 +0.9
TPUB			S	Sn	13 42 38.0 -0.2
WDJ	Dajia District baz=285	2.13 286	↓P	Pn	13 42 14.5 +1.6
WDJ			S	Sn	13 42 39.8 +1.6
ECL	Tainanli baz=247	2.13 237	↓P	Pn	13 42 11.4 -1.6
ECL			eS	Sn	13 42 34.2 -4.0
WGK	Gukeng baz=267	2.13 268	P	Pn	13 42 14.0 +1.1
WGK			S	Sn	13 42 39.7 +1.5
WCHH	Zhanghua baz=278	2.15 278	↓P	Pn	13 42 15.1 +1.8
WCHH			eS	Sn	13 42 40.9 +2.2
WDLH	Douliu baz=268	2.15 268	eP	Pn	13 42 14.3 +1.0
WDLH			eS	Sn	13 42 41.2 +2.4
SLGT	Liugu baz=244	2.20 250	P	Pn	13 42 14.2 +0.3
SLGT			eS	Sn	13 42 39.6 -0.4
CHN2	Minshiang baz=264	2.23 264	↓P	Pn	13 42 16.1 +1.9
CHN2			eS	Sn	13 42 41.9 +1.4
SGST	Jiashian baz=252	2.23 252	↓P	Pn	13 42 15.2 +0.9
SGST			eS	Sn	13 42 41.4 +0.8
CHN1	Nanshi baz=255	2.25 255	↓P	Pn	13 42 15.8 +1.2
CHN1			S	Sn	13 42 42.5 +1.4
TWK	Hsiung baz=257	2.26 257	↓P	Pn	13 42 15.8 +1.1
TWK			S	Sn	13 42 42.1 +0.7
SNST	Tainan City baz=256	2.26 256	↓P	Pn	13 42 15.9 +1.1
SNST			eS	Sn	13 42 43.2 +1.7
CHY	Chiayi baz=263	2.28 263	↓P	Pn	13 42 16.3 +1.4
CHY			eS	Sn	13 42 43.4 +1.6
SSD	Sandimen baz=238	2.32 244	↓P	Pn	13 42 14.9 -0.6
TAW	Tawu baz=232	2.32 233	↓P	Pn	13 42 14.2 -1.3
TAW			eS	Sn	13 42 39.5 -3.2
RLNB	Erin baz=273	2.32 273	↓P	Pn	13 42 16.9 +1.5
RLNB			S	Sn	13 42 45.0 +2.3
JIRB	Irabujima baz=242	2.33 63	↓P	Pn	13 42 15.6 -0.1
JIRB		2.34 234	↓P	Pn	13 42 44.0 +0.9
EAST	Anshuo baz=242	2.34 234	↓P	Pn	13 42 14.6 -1.2
MASBT	Mashibuluo baz=234	2.38 241	↓P	Pn	13 42 16.0 -0.4
MASBT			eS	Sn	13 42 43.5 -0.8
WLBG	Puzi baz=263	2.39 263	↓P	Pn	13 42 18.0 +1.5
WLBG			S	Sn	13 42 46.7 +2.1
CHN3	Shinhua baz=253	2.42 254	↓P	Pn	13 42 19.3 +2.4
CHN3			S	Sn	13 42 49.1 +3.7
JMJ2	Miyako jima3 JM2	2.42 66	↓P	Pn	13 42 17.3 +0.4
JMJ2		2.42 64	eP	Pn	13 42 17.3 +0.4
JMJ	Miyako jima 2 baz=64		eS	Sn	13 42 46.4 +1.0
JIKM	Ikemajima baz=244	2.44 62	P	Pn	13 42 17.0 -0.1
JIKM		2.44 271	eP	Pn	13 42 45.9 +0.3
WMLT	Mailiao baz=284	2.44 271	eP	Pn	13 42 18.7 +1.5
WMLT			S	Sn	13 42 48.6 +2.8
SGLT	Jiourai baz=242	2.44 245	eP	Pn	13 42 18.6 +1.4
SGLT			eS	Sn	13 42 47.0 +1.2
WSF	Szhu baz=267	2.45 267	↓P	Pn	13 42 18.4 +1.1
WSF			eS	Sn	13 42 46.9 +0.9
CHN8	Yiju baz=260	2.49 261	↓P	Pn	13 42 19.2 +1.3
CHN8			S	Sn	13 42 48.4 +1.3
JOGS	Gusukube baz=267	2.50 66	P	Pn	13 42 18.3 +0.3
JOGS		2.52 237	eS	Pn	13 42 48.7 +1.5
SCZT	Fangliu baz=236	2.52 237	eP	Pn	13 42 17.9 -0.3
SCZT			eS	Sn	13 42 45.9 -1.7
SCLT	Jiali baz=256	2.55 257	P	Pn	13 42 19.9 +1.3
SCLT			S	Sn	13 42 49.5 +1.1
TAI1	Yung-k'ang baz=253	2.55 254	eP	Pn	13 42 20.6 +1.9
TAI1			eS	Sn	13 42 51.0 +2.5
SNJT	Kaohsiung City baz=246	2.56 247	P	Pn	13 42 21.2 +2.4
SNJT			eS	Sn	13 42 52.4 +3.7
TSEB	Hengchuen, Pin baz=233	2.62 225	P	Pn	13 42 19.8 +0.2
TSEB			eS	Sn	13 42 50.5 +0.3
TWKBT	Hengchun baz=226	2.65 227	↓P	Pn	13 42 19.4 -0.6
TWK1	Hengchun baz=227	2.65 227	P	Pn	13 42 19.9 -0.2
TWK1			eS	Sn	13 42 48.9 -2.1
HEN	Hengchun baz=228	2.66 229	eP	Pn	13 42 20.3 +0.1
HEN			eS	Sn	13 42 49.4 -1.7
KAU	Kaohsiung baz=255	2.66 244	eP	Pn	13 42 22.8 +2.5
KAU			eS	Sn	13 42 55.0 +3.7
WLCH	Liuqu baz=234	2.71 239	eP	Pn	13 42 24.3 +3.3
WLCH			eS	Sn	13 42 56.6 +4.0
TWP	Hsiailiuchi baz=238	2.73 239	eP	Pn	13 42 23.8 +2.7
TWP			S	Sn	13 42 57.3 +4.4

15d 13h

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ALN, KDZ, DEV, EZN, OJC, OJC, OJC, etc.

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

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

KRSC 15 13:42:25-1 2, 52.96km/160.64E, h49km/12km, ML3.7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Azimuth, Phase ID, Time Res, and other technical details. Includes stations like SPN, SPN, NLC, NLC, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like APG El Apazote, CBKS Cedar Bluff, and many others.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like PHRA Vicksburg, FFC Flin Flon, and many others.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like Z50A Ashland, 452A Marianna, and many others.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like SDV Santo Domingo, SDV Santo Domingo, SDV Belmont, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like 253A Americus, V59A Middlesex, V59A Nature Bridge, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like X51A Calhoun, T55A Pulaski, S56A Nature Bridge, etc.

PAL	Palisades	21.90 352	eP	P	14 07 31.3 +8.8
PAL	Palisades	21.90 352	P	P	14 07 23.3 +0.8
N60A	Cedar Hill Far	21.94 340	P	P	14 07 24.4 +1.5
MCWV	Mont Chateau	21.97 350	P	P	14 07 24.5 +1.2
U49A	Red Boiling Sp	21.99 325	P	P	14 07 24.5 +1.0
CLTN	Cedars of Leba	22.00 323	eP	P	14 07 23.4 -0.2
V48A	Smith Brothers	22.03 321	eP	P	14 07 24.0 -0.1
V48A	Smith Brothers	22.03 321	eP	P	14 07 25.1 +1.1
ODNJ	Ogdensburg	22.07 351	eP	P	14 07 24.7 +0.4
N59A	State Game Lan	22.10 349	eP	P	14 07 23.9 -0.8
N59A	State Game Lan	22.10 349	P	P	14 07 25.5 +0.8
MDP	Montagnes des	22.12 127	P	P	14 07 27.4 +2.3
O56A	Blue Knob Stat	22.14 343	eP	P	14 07 25.2 0.0
O56A	Blue Knob Stat	22.14 343	P	P	14 07 25.5 +0.4
S50A	Richmond	22.16 329	P	P	14 07 26.0 +0.6
W47A	Westpoint	22.17 319	P	P	14 07 26.0 +0.5
M61A	Granite Spring	22.18 353	P	P	14 07 26.0 +0.5
N58A	Sunbury	22.22 347	P	P	14 07 26.3 +0.4
PTGA	Pittinga	22.25 152	P	P	14 07 26.3 -0.2
PTGA	Pittinga	22.25 152	eP	P	14 07 25.2 -1.3
Q52A	Bidwell	22.25 334	P	P	14 07 26.8 +0.5
R51A	Hillsboro	22.27 331	P	P	14 07 26.8 +0.3
PLAL	Pickwick Lake	22.29 318	eP	P	14 07 25.9 -0.9
T49A	Edmonton	22.30 326	eP	P	14 07 26.8 0.0
T49A	Edmonton	22.30 326	P	P	14 07 27.6 +0.7
O55A	Ligonier	22.30 341	P	P	14 07 27.3 +0.5
SSPA	Standing Stone	22.30 344	eP	P	14 07 28.3 +1.5
SSPA	Standing Stone	22.30 344	P	P	14 07 27.2 +0.3
N57A	Milroy	22.33 345	P	P	14 07 28.1 +0.9
X46A	Booneville	22.35 317	P	P	14 07 27.2 -0.3
P53A	Whipple	22.36 337	eP	P	14 07 28.8 +1.3
P53A	Whipple	22.36 337	P	P	14 07 28.1 +0.6
U48A	Cassie Pea, Po	22.41 323	P	P	14 07 29.0 +0.9
V47A	Nunnelly	22.51 321	P	P	14 07 29.5 +0.4
KSCT	Kent School, K	22.56 353	eP	P	14 07 30.0 +0.5
W46A	Michie	22.58 318	P	P	14 07 30.3 +0.4
BRYW	Bryant College	22.60 357	eP	pP	14 07 42.4 +5.5
R50A	Paris	22.60 330	eP	P	14 07 31.1 +1.0
R50A	Paris	22.60 330	P	P	14 07 30.8 +0.7
O54A	Avella	22.62 339	P	P	14 07 31.3 +1.0
M59A	Waymart	22.65 350	P	P	14 07 31.1 +0.6
N56A	West Decatur	22.67 344	P	P	14 07 31.0 +0.1
M58A	Price's Panora	22.68 348	P	P	14 07 30.6 -0.3
S49A	Springfield	22.68 328	P	P	14 07 31.4 +0.4
KSPA	Keystone Colle	22.72 349	eP	P	14 07 31.7 +0.4
N55A	Marion Center	22.73 342	eP	P	14 07 31.1 -0.4
N55A	Marion Center	22.73 342	P	P	14 07 32.1 +0.6
Q51A	Peebles	22.76 333	eP	P	14 07 32.4 +0.6
Q51A	Peebles	22.76 333	eS	S	14 11 39.6 +0.4
Q51A	Peebles	22.76 333	P	P	14 07 32.6 +0.9
T48A	Bowling Green	22.76 325	P	P	14 07 31.7 -0.1
P52A	Corning	22.77 336	P	P	14 07 32.4 +0.5
U47A	Clarksville	22.79 322	P	P	14 07 32.3 +0.2
V46A	Holladay	22.85 320	P	P	14 07 32.6 -0.1
OXF	Oxford	22.86 315	eP	P	14 07 32.0 -0.9
OXF	Oxford	22.86 315	eP	pmax	14 07 32.0 -0.9
OXF	Oxford	22.86 315	P	P	14 07 33.0 +0.1
Q50A	Georgetown	22.89 331	P	P	14 07 33.4 +0.3
WVT	Waverly	22.90 321	eP	P	14 07 32.7 -0.5
WVT	Waverly	22.90 321	eP	pmax	14 07 32.7 -0.5
WVT	Waverly	22.90 321	P	P	14 07 33.0 -0.2
O53A	New Philadelph	22.97 338	P	P	14 07 34.3 +0.4
S48A	Wiedeman Farm,	22.99 326	P	P	14 07 34.1 0.0
R49A	Shelbyville	23.02 329	P	P	14 07 34.2 -0.2
P51A	Williamsport	23.02 334	eP	P	14 07 33.8 -0.6
P51A	Williamsport	23.02 334	P	P	14 07 34.9 +0.5
O52A	Adamsville	23.08 337	eP	P	14 07 35.1 +0.1
O52A	Adamsville	23.08 337	P	P	14 07 35.9 +0.9
M56A	Emporium	23.17 345	P	P	14 07 37.3 +1.3
HRV	Adam Dzewiowski	23.19 357	eP	P	14 07 35.5 -0.6
HRV	Adam Dzewiowski	23.19 357	eS	S	14 11 44.0 -2.4
HRV	Adam Dzewiowski	23.19 357	eS	S	14 07 35.5 -0.6
HRV	Adam Dzewiowski	23.19 357	P	pmax	14 11 44.0 -2.4
HRV	Adam Dzewiowski	23.19 357	P	P	14 07 36.9 +0.8
N54A	Moraine State	23.20 341	eP	P	14 07 35.5 -0.7
N54A	Moraine State	23.20 341	P	P	14 07 37.5 +1.3
L58A	Harry Jones Me	23.21 349	P	P	14 07 37.5 +1.1
U46A	Springville	23.23 321	P	P	14 07 36.8 -0.1
M55A	Ridgway	23.23 343	P	P	14 07 38.4 +1.0
N53A	Lisbon	23.33 339	eP	P	14 07 38.2 +0.7
N53A	Lisbon	23.33 339	P	P	14 07 38.6 +1.0
S47A	Hartford	23.38 325	P	P	14 07 38.3 +0.3
BINY	Binghamton	23.38 349	eP	P	14 07 38.5 +0.4
BINY	Binghamton	23.38 349	P	P	14 07 39.2 +1.1
O51A	Pataksala	23.40 335	P	P	14 07 39.0 +0.7
P50A	Jamestown	23.44 333	P	P	14 07 39.6 +1.0

Q49A	Aurora	23.45 330	P	P	14 07 39.4 +0.7
R48A	Northridge Ran	23.45 328	P	P	14 07 39.4 +0.6
WCI	Wyandotte Cave	23.54 327	eP	P	14 07 39.1 -0.5
WCI	Wyandotte Cave	23.54 327	eP	pmax	14 07 39.1 -0.5
WCI	Wyandotte Cave	23.54 327	P	P	14 07 39.9 +0.3
T46A	Princeton	23.56 322	P	P	14 07 39.9 +0.1
M54A	Oil Creek Stat	23.60 342	eP	P	14 07 40.2 0.0
M54A	Oil Creek Stat	23.60 342	P	P	14 07 41.5 +1.2
CMIG	Matias Romero	23.61 269	P	P	14 07 38.8 -1.7
ACSO	Alum Creek Sta	23.62 335	eP	P	14 07 40.6 +0.2
ACSO	Alum Creek Sta	23.62 335	P	P	14 07 41.3 +0.9
P49A	Miami Univ. Ec	23.79 331	P	P	14 07 42.4 +0.4
Q48A	North Vernon	23.79 329	P	P	14 07 42.7 +0.7
O50A	Gal	23.81 334	P	P	14 07 42.9 +0.7
M53A	WI Miller and	23.85 340	P	P	14 07 43.2 +0.7
X43A	Marvell	23.86 314	P	P	14 07 43.0 +0.2
L55A	Hinsdale	23.90 345	P	P	14 07 44.0 +0.9
S46A	Don Dixon Farm	23.91 324	P	P	14 07 43.3 +0.1
N51A	Ashland	23.98 337	eP	P	14 07 44.2 +0.5
N51A	Ashland	23.98 337	P	P	14 07 44.6 +0.8
P48A	Milroy	24.06 330	eP	P	14 07 44.0 -0.5
P48A	Milroy	24.06 330	P	P	14 07 45.2 +0.6
N50A	Newada	24.15 335	P	P	14 07 46.2 +0.9
O49A	Covington	24.15 333	eP	P	14 07 45.3 -0.1
O49A	Covington	24.15 333	P	P	14 07 46.1 +0.7
M52A	Chesterland	24.16 339	eP	P	14 07 45.6 +0.1
M52A	Chesterland	24.16 339	P	P	14 07 46.0 +0.5
L54A	Sinclairville	24.17 343	P	P	14 07 46.9 +1.3
L53A	Girard	24.19 341	P	P	14 07 46.6 +0.8
ACCN	Aidronack Camp	24.22 354	eP	pP	14 07 53.6 +0.2
ERPA	Erie	24.26 342	eP	P	14 07 46.5 +0.1
M51A	Elyria	24.27 338	P	P	14 07 46.9 +0.4
M51A	Elyria	24.27 338	P	P	14 07 49.4 +0.2
K55A	Perry	24.32 346	P	P	14 07 47.6 +0.7
K54A	Basiliko Farm,	24.36 345	P	P	14 07 47.9 +0.5
P47A	Martinsville	24.48 329	P	P	14 07 48.9 +0.4
Z41A	Richland Creek	24.56 309	P	P	14 07 49.4 +0.2
O48A	Farmland	24.57 332	P	P	14 07 49.6 +0.3
M50A	Fremont	24.65 336	eP	P	14 07 50.6 +0.7
M50A	Fremont	24.65 336	P	P	14 07 51.2 +1.2
J55A	Hilton	24.78 347	eP	P	14 07 52.2 +1.2
J55A	Hilton	24.78 347	P	P	14 07 51.9 +0.9
S44A	Carbondale	24.79 322	P	P	14 07 52.1 +0.8
PLIO	Pelee Island,	24.80 337	P	P	14 07 52.3 +1.0
MEDO	Medina	24.83 345	P	P	14 07 51.9 +0.4
NCB	Newcomb	24.86 353	eP	P	14 07 52.4 +0.4
OLIL	Olney	24.87 325	eP	P	14 07 52.4 +0.4
PBMO	Poplar Bluff,	24.91 319	eP	P	14 07 52.8 +0.5
LBNH	Lisbon	24.93 357	eP	P	14 07 53.8 +1.3
LBNH	Lisbon	24.93 357	eP	pmax	14 07 53.8 +1.3
LBNH	Lisbon	24.93 357	P	P	14 07 53.9 +1.4
J54A	Appleton	24.97 345	eP	P	14 07 52.9 0.0
N48A	Decatur	25.00 333	P	P	14 07 54.0 +0.8
P46A	Rosedale	25.05 328	P	P	14 07 54.3 +0.7
M49A	Liberty Center	25.07 335	P	P	14 07 54.7 +0.9
L50A	Kingsville	25.12 337	P	P	14 07 55.2 +1.1
TYNO	Tyngside	25.12 343	P	P	14 07 55.2 +1.0
W41B	Gary Mavity, V	25.16 314	eP	P	14 07 55.0 +0.4
W41B	Gary Mavity, V	25.16 314	P	P	14 07 54.3 -0.3
X40A	Basin Creek Fa	25.20 312	eP	P	14 07 55.7 +0.7
X40A	Basin Creek Fa	25.20 312	P	P	14 07 56.2 +1.2
WVL	Waterville	25.22 1	eP	P	14 07 55.5 +0.5
PECO	Prince Edward	25.25 348	eP	P	14 07 55.6 +0.3
PECO	Prince Edward	25.25 348	P	P	14 07 56.2 +0.9
WHAR	Woolly Hollow	25.25 314	eP	P	14 07 55.9 +0.5
K51A	Iona Station	25.27 340	P	P	14 07 56.8 +1.2
N47A	Urbana	25.31 332	P	P	14 07 56.8 +0.8
NATX	Nacogdoches	25.31 304	eP	P	14 07 56.3 +0.2
NATX	Nacogdoches	25.31 304	P	P	14 07 57.2 +1.1
M48A	Edgerton	25.39 334	P	P	14 07 57.1 +0.5
J52A	Paris	25.43 342	P	P	14 07 58.0 +1.0
EMMW	East Machias	25.46 4	eP	P	14 07 57.5 +0.3
FCAR	Ozark Folk Cen	25.47 315	eP	P	14 07 57.2 -0.2
WLVO	Wesleyville	25.53 346	P	P	14 07 58.6 +0.8
LONY	Lake Ozonia	25.54 353	eP	P	14 07 58.1 +0.1
LONY	Lake Ozonia	25.54 353	P	P	14 07 59.0 +1.0
DRWO	Darlington Wes	25.56 345	P	P	14 07 58.9 +0.8
SFIN	Lafayette	25.58 329	eP	P	14 07 58.3 -0.1
SFIN	Lafayette	25.58 329	P	P	14 07 58.9 +0.6
HKT	Hockley	25.61 299	eP	P	14 07 57.8 -0.9
HKT	Hockley	25.61 299	eP	pmax	14 07 57.8 -0.9
HKT	Hockley	25.61 299	P	pmax	14 07 57.8 -0.9
FRNY	Flat Rock	25.65 354	eP	P	14 07 57.4 -1.5
ACTO	Acton	25.65 343	P	P	14 07 59.7 +0.7

L48A	N Adams	25.65 335	P	P	14 07 59.7 +0.6
I55A	Frankford	25.66 347	P	P	14 07 59.2 +0.2
M47A	Crowell	25.67 332	P	P	14 07 59.9 +0.7
H56A	Elgin	25.75 350	P	P	14 08 00.6 +0.7
MIAR	Mount Ida	25.76 311	eP	P	14 07 58.9 -1.2
MIAR	Mount Ida	25.76 311	eP	pmax	14 07 58.9 -1.2
MIAR	Mount Ida	25.76 311	P	pmax	14 08 00.2 +0.1
HAL	Halifax	25.87 11	eP	P	14 08 00.6 -0.4
HAL	Halifax	25.87 11	eP	pmax	14 08 00.6 -0.4
H55A	Tweed	25.88 348	P	P	14 08 02.1 +1.1
GGN	Saint George	25.91 5	eP	P	14 08 00.4 -0.9
PKME	Peaks-Kenny Pk	25.92 1	P	P	14 08 01.9 +0.5
DELO	Deloro Mine	25.93 348	eP	P	14 08 01.7 +0.2
DELO	Deloro Mine	25.93 348	P	P	14 08 02.0 +0.5
L47A	Sherwood	26.00 334	P	P	14 08 02.3 +0.2
MOQ	Mont Orford	26.02 357	eP	P	14 08 01.5 -0.9
O44A	Mansfield	26.09 327	eP	P	14 08 03.2 +0.1
I51A	Listowel	26.11 342	P	P	14 08 03.5 +0.4
CCM	Cathedral Cave	26.22 320	eP	P	14 08 03.9 -0.3
CCM	Cathedral Cave	26.22 320	eP	pmax	14 08 03.9 -0.3
CCM	Cathedral Cave	26.22 320	P	P	14 08 04.2 0.0
U40A	Yellville	26.22 315	P	P	

15d 14h

JFWS	Jewell Farm	29.04 329	eP	P	14 08 29.3	-0.1
JFWS	Jewell Farm	29.04 329	eP	Pmax	14 08 29.3	-0.1
JFWS	Jewell Farm	29.04 329	P	P	14 08 29.8	+0.4
JCT	Junction City	29.05 298	eP	P	14 08 29.4	-0.3
JCT	Junction City	29.05 298	eP	Pmax	14 08 29.4	-0.3
JCT	Junction City	29.05 298	P	P	14 08 30.2	+0.5
H43A	Windswept, Lux	29.11 334	eP	P	14 08 30.1	0.0
H43A	Windswept, Lux	29.11 334	P	P	14 08 30.5	+0.5
H42A	Dräger Farm,	29.15 331	eP	P	14 08 30.4	0.0
H42A	Dräger Farm,	29.15 331	P	P	14 08 31.1	+0.7
E47A	Iron Bridge	29.18 341	P	P	14 08 30.9	+0.3
F45A	CMU Biological	29.25 338	P	P	14 08 32.0	+0.8
D49A	Beulah Townshi	29.39 344	P	P	14 08 33.2	+0.7
D48A	Paudash Townsh	29.42 344	P	P	14 08 33.6	+0.9
E46A	Sault Ste Mari	29.43 340	eP	P	14 08 32.9	+0.1
E46A	Sault Ste Mari	29.43 340	P	P	14 08 33.9	+1.1
ABTX	Ablene, Hawle	29.56 303	P	P	14 08 34.8	+0.6
WMOK	Wichita Mounta	29.67 307	eP	P	14 08 35.2	+0.1
WMOK	Wichita Mounta	29.67 307	eP	Pmax	14 08 35.2	+0.1
WMOK	Wichita Mounta	29.67 307	P	P	14 08 35.2	+0.1
D47A	Chapleau	29.67 342	P	P	14 08 35.7	+0.7
D46A	Sault St. Mari	29.81 341	P	P	14 08 36.8	+0.6
E44A	Grand Marais A	30.20 338	eP	P	14 08 49.6	+2.6
E44A	Grand Marais A	30.20 338	P	P	14 08 40.3	+0.7
KSU1	Kansas State U	30.22 316	P	P	14 08 40.4	+0.2
E43A	Lone Tree Farm	30.38 337	eP	P	14 08 41.6	+0.4
E43A	Lone Tree Farm	30.38 337	P	P	14 08 41.8	+0.5
CHGQ	Chibougamau	30.75 355	P	P	14 08 45.5	+1.0
G40A	Rib Lake	30.80 332	eP	P	14 08 45.2	+0.1
G40A	Rib Lake	30.80 332	P	P	14 08 45.4	+0.4
COWI	Conover	31.00 334	eP	P	14 08 47.0	+0.3
MATO	Matagami	31.00 351	P	P	14 08 47.1	+0.4
G39A	Holcombe	31.26 331	P	P	14 08 49.3	+0.3
D41A	Chassel	31.55 336	eP	P	14 08 52.3	+0.8
D41A	Chassel	31.55 336	P	P	14 08 52.6	+1.1
DRLN	Deer Lake	31.59 16	eP	P	14 08 51.3	-0.6
AMTX	Amarillo	31.93 306	eP	P	14 08 54.7	-0.5
AMTX	Amarillo	31.93 306	P	P	14 08 55.7	+0.5
LTX	Lajitas	32.06 295	eP	P	14 08 58.1	+1.8
TX31	Lajitas Ar. Si	32.06 295	eP	P	14 08 58.2	-1.2
TXAR	Lajitas Array	32.06 295	P	P	14 08 58.1	+1.8
CBKS	Cedar Bluff	32.16 314	eP	P	14 08 57.5	+0.4
CBKS	Cedar Bluff	32.16 314	P	Pmax	14 08 57.6	+0.4
CBKS	Cedar Bluff	32.16 314	P	P	14 08 58.0	+0.9
E38A	The Farm, Brul	32.44 332	eP	P	14 08 58.5	-0.8
E38A	The Farm, Brul	32.44 332	P	P	14 08 59.9	+0.6
MSTX	Muleshoe	32.47 303	eP	P	14 09 00.1	+0.1
MSTX	Muleshoe	32.47 303	P	P	14 09 00.1	+0.1
C40A	Isle Royale Na	32.48 336	eP	P	14 08 59.7	0.0
C40A	Isle Royale Na	32.48 336	P	P	14 09 00.6	+0.9
BGNE	Belgrade	32.48 319	P	P	14 08 59.9	0.0
ECSD	EROS Data Cent	32.97 324	eP	P	14 09 03.4	-0.6
ECSD	EROS Data Cent	32.97 324	P	P	14 09 04.0	-0.1
EYMN	Ely	33.45 334	eP	P	14 09 08.1	-0.1
MNTX	Cornudas Mount	33.98 298	eP	P	14 09 13.1	+0.1
MNTX	Cornudas Mount	33.98 298	P	P	14 09 14.0	+0.9
KSCO	Kaye Shedlock	34.26 312	P	P	14 09 16.0	+0.4
OGNE	Ogallala	34.74 315	P	P	14 09 19.8	+0.2
T25A	Trinidad	34.81 308	eP	P	14 09 20.7	+0.3
T25A	Trinidad	34.81 308	P	P	14 09 20.6	+0.3
LPAZ	La Paz	35.40 177	P	P	14 09 27.4	+1.4
LPAZ	La Paz	35.40 177	eP	P	14 09 26.1	+0.1
LPAZ	La Paz	35.40 177	P	Pmax	14 09 26.1	+0.1
SCHO	Schefferville	35.58 3	P	P	14 09 26.8	+0.2
SCHO	Schefferville	35.58 3	eP	P	14 09 25.5	-1.0
BNM	Barren Site	35.59 302	eP	P	14 09 28.0	+0.8
AGMN	Agassiz Nation	35.66 330	P	P	14 09 27.5	+0.2
AGMN	Agassiz Nation	35.66 330	P	P	14 09 27.5	+0.2
ANMO	Albuquerque	35.67 303	eP	P	14 09 28.1	+0.2
ANMO	Albuquerque	35.67 303	eP	Pmax	14 09 28.1	+0.2
ANMO	Albuquerque	35.67 303	P	P	14 09 28.4	+0.6
Y22D	IRIS PASSCAL I	35.81 302	P	P	14 09 29.2	+0.2
SDCO	Great Sand Dun	35.83 308	eP	P	14 09 29.7	+0.3
SDCO	Great Sand Dun	35.83 308	P	P	14 09 29.6	+0.3
LENM	Lemitar	35.87 302	eP	P	14 09 30.1	+0.5
Q24A	Divide	36.03 311	P	P	14 09 31.4	+0.3
LAZ	Ladron	36.06 302	eP	P	14 09 32.0	+0.8
121A	Cookes Peak, D	36.15 299	P	P	14 09 32.4	+0.5
SIV	San Ignacio	36.16 165	P	P	14 09 31.3	-0.6
ISCO	Idaho Springs	36.69 312	eP	P	14 09 36.4	-0.2
ISCO	Idaho Springs	36.69 312	eP	Pmax	14 09 36.4	-0.2
ISCO	Idaho Springs	36.69 312	P	P	14 09 37.6	+0.9
S22A	4UR Ranch, Cre	36.82 308	eP	P	14 09 37.4	-0.4

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S22A	4UR Ranch, Cre	36.82 308	P	P	14 09 37.4	-0.4
ULM	Lac du Bonnet	37.07 332	P	P	14 09 38.6	-0.7
ULM	Lac du Bonnet	37.07 332	eP	Pmax	14 09 38.4	-0.9
ULM	Lac du Bonnet	37.07 332	eP	Pmax	14 09 38.4	-0.9
MDND	Maddock	37.20 327	eP	P	14 09 40.4	0.0
MDND	Maddock	37.20 327	P	P	14 09 40.5	0.0
PHWY	Pilot Hill	37.20 314	eP	P	14 09 41.0	0.0
N23A	Red Feather La	37.37 313	P	P	14 09 41.7	-0.6
SMCO	Snowmass	37.43 310	eP	P	14 09 42.0	-1.0
RSSD	Black Hills	37.59 319	P	P	14 09 44.4	+0.3
MVCO	Mesa Verde	37.91 306	P	P	14 09 47.8	+0.8
MNMC	Minye Minye	38.17 179	eP	P	14 09 46.4	-2.8
W18A	Petrified Fore	38.31 303	P	P	14 09 50.4	+0.1
X18A	Snowflake	38.35 302	eP	P	14 09 50.7	+0.1
K22A	Casper	38.50 315	eP	P	14 09 51.2	-0.5
K22A	Casper	38.50 315	P	P	14 09 52.2	+0.5
RWWY	Rawlins	38.56 314	eP	P	14 09 52.6	+0.3
TUC	Tucson	38.60 298	eP	P	14 09 51.0	-1.7
TUC	Tucson	38.60 298	eP	Pmax	14 09 51.0	-1.7
TUC	Tucson	38.60 298	P	P	14 09 52.3	-0.3
O20A	White River Ci	38.69 311	eP	P	14 09 51.0	-2.3
O20A	White River Ci	38.69 311	P	P	14 09 53.9	+0.5
GO01	Chuzmia	38.72 179	eP	P	14 09 51.7	-2.3
PB11	IPOC Station P	38.80 179	eP	P	14 09 52.4	-1.9
WUAZ	Wupatki	39.71 303	eP	P	14 10 01.0	-0.9
WUAZ	Wupatki	39.71 303	P	P	14 10 02.1	+0.1
SRU	San Rafael Swe	40.01 308	eP	P	14 10 02.5	-1.9
SRU	San Rafael Swe	40.01 308	eP	Pmax	14 10 02.5	-1.9
SGMT	Dagmar	40.02 325	eP	P	14 10 03.4	-0.8
SGMT	Dagmar	40.02 325	P	P	14 10 04.4	+0.1
PB01	IPOC Station P	40.08 179	eP	P	14 10 04.0	-0.9
LAO	LASA Array	40.22 321	P	P	14 10 06.2	+0.2
214A	Organ Pipe Nat	40.25 297	P	P	14 10 07.6	+1.3
P17A	Butcher Ranch,	40.28 309	eP	P	14 10 06.8	+0.1
TMUT	Trail Mountai	40.57 308	eP	P	14 10 08.7	-0.5
BW06	Boulder Array	40.59 314	eP	P	14 10 08.2	-1.0
BW06	Boulder Array	40.59 314	P	P	14 10 09.0	-0.3
PD31	Pinedale Array	40.59 314	eP	P	14 10 09.6	+0.4
PDAR	Pinedale Array	40.59 314	P	P	14 10 09.6	+0.4
U15A	Notus Rim	40.64 304	eP	P	14 10 09.1	-0.7
Y14A	Wickenburg	40.70 300	eP	P	14 10 10.1	-0.1
MTPU	North Pierson	40.95 306	eP	P	14 10 12.0	-0.5
BDFB	Brasil	40.96 146	P	P	14 10 13.8	+1.4
BDFB	Brasilia	40.96 146	eP	P	14 10 11.9	-0.5
BDFB	Brasilia	40.96 146	eP	Pmax	14 10 11.9	-0.5
MSU	Marysville	41.07 307	eP	P	14 10 13.5	+0.2
MSU	Marysville	41.07 307	eP	P	14 10 13.5	+0.2
MPU	Maple Canyon	41.10 309	eP	P	14 10 13.1	-0.4
JLU	Jordanelle	41.15 310	eP	P	14 10 14.6	+0.7
KNB	Kanab	41.19 305	eP	P	14 10 15.3	+1.1
KNB	Kanab	41.19 305	eP	Pmax	14 10 15.3	+1.1
KNB	Kanab	41.19 305	P	P	14 10 15.3	+0.3
CTUT	Toone Canyon	41.29 311	eP	P	14 10 15.1	-0.5
RLMT	Red Lodge	41.36 317	eP	P	14 10 15.4	-0.2
RLMT	Red Lodge	41.36 317	P	P	14 10 15.4	-0.2
CTU	Camp Tracy	41.40 310	eP	P	14 10 16.0	+0.1
NLU	North Lily Min	41.41 309	eP	P	14 10 14.5	-1.4
SZCU	Shurtz Canyon	41.53 305	eP	P	14 10 14.8	-1.3
HWUT	Hardware Ranch	41.56 312	eP	P	14 10 16.6	-0.6
LOHW	Long Hollow	41.62 315	eP	P	14 10 17.2	-0.5
W13A	Hualapai Mount	41.63 301	eP	P	14 10 18.9	+0.9
LVC	Limon Verde	41.65 178	P	P	14 10 20.7	+2.5
CCUT	Cedar City	41.73 305	eP	P	14 10 18.5	-0.2
MOOW	Moose Ponds	41.77 315	eP	P	14 10 18.9	0.0
TPAW	Teton Pass	41.81 314	eP	P	14 10 19.6	+0.3
FLWY	Flagg Ranch	41.87 315	eP	P	14 10 20.2	+0.5
GCMT	Greycliff	41.91 318	eP	P	14 10 20.1	+0.1
H17A	Grant Village	41.91 316	eP	P	14 10 20.4	+0.4
FXWY	Fry Creek	41.91 315	eP	P	14 10 20.8	+0.6
Y12C	Blythe	41.93 299	P	P	14 10 20.3	+0.2
IMW	Indian Meadow	41.95 315	eP	P	14 10 21.3	+0.8
YPP	Pitchstone Pla	42.01 316	eP	P	14 10 21.2	+0.2
DUG	Dugway, Tooele	42.02 309	eP	P	14 10 21.8	+0.9
DUG	Dugway, Tooele	42.02 309	eP	Pmax	14 10 21.8	+0.9
DUG	Dugway, Tooele	42.02 309	P	P	14 10 20.8	-0.1
GLA	Glamis	42.09 298	P	P	14 10 21.9	+0.5
YHH	Hol					

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BPAW, CNPM, NB2, etc.

ISC 15:14:03:02.0-0.9, 15:13:51.173:25W, h0km, mb4.3/10, mb1 4.5/10, mb1mx4.2/38, mbtmp4.3/10, Error ellipse: s-maj=38.6km s-min=17.5km az=136.0

NEIC 15:14:03:04.1-2.2, 15:56S:172.96W, h10km, mb4.8/7, Error ellipse: s-maj=20.8km s-min=12.1km az=125.0

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AF1, NIUE, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like LTX, TXAR, BWN, etc.

ISC/JB 15:14:03:38.5-0.1, 60.83S:0.03:25.38W, 0.07, h10km, mb6.3/137, MS7.1/752, Error ellipse: s-maj=5.4km s-min=3.8km az=135.5

IDC 15:14:03:38.7-0.3, 60.72S:25.13W, h0km, mb5.7/28, mb1 5.7/29, mb1mx5.7/33, mbtmp5.7/29, ML6.1/1, MS7.0/18, Ms1 7.0/18, ms1mx6.9/21, Error ellipse: s-maj=14.6km s-min=10.2km az=52.0

NEIC 15:14:03:39.9-1.8, 60.86S:25.07W, h11km, mb6.5/109, ME7.7, MS7.1/751, MW7.1, MW7.3, MW7.3, Error ellipse: s-maj=16.2km s-min=11.7km az=225.0, Moment Tensor Solution. s17 Moment tensor: Scale 10^19Nm; Mr-1.81; Mss2.40; Mss-0.60; Ms-0.38; Mss4.69; Mr-0.92; Best double couple: Ms5.30000*10^19, NP1.9s=10.00000*, s85.00000*, -1.160.00000*, NP2.9s=279.00000*, s76.00000*, -3.5.00000*, Principal axes: T 9.200, Plg6.0000*, Azm14.0000*, N -1.7800, Plg76.0000*, Azm28.0000*, P -1.4400, Plg13.0000*, Azm235.0000*, Broadband fault plane solution: P waves. NP1: 9.95.00000*, s80.00000*, -1.1.00000*, NP2.9s=185.00000*, s89.00000*, -1.170.00000*, Principal axes: T Plg6.0000*, Azm319.0000*, N Plg0.0000*, Azm0.0000*, P Plg6.0000*, Azm50.0000*, Complex earthquake, with at least one event occurring about 5 seconds after the onset observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on first event. Apparent Stress 0.01 MPa. based on energy computed from BB mechanism.

BJJ 15:14:03:40.0-0.0, 60.85S:25.15W, h20km, mb6.8/46, Ms7.2/76, Ms7.7/169

MOS 15:14:03:41.7-1.2, 60.80S:25.29W, h33km, mb6.6/41, MS7.0/73, Error ellipse: s-maj=22.9km s-min=10.6km az=99.0

NEIC 15:14:03:43.0-0.0, 61.30S:24.81W, h30km, Moment Tensor Solution. s102. Moment tensor: Scale 10^20Nm; Mr-0.18; Mss0.26; Mss-0.08; Ms-0.05; Mss1.02; Mss0.28; Best double couple: Ms1.10000*10^20, NP1.9s=186.00000*, s83.00000*, -1.163.00000*, NP2.9s=94.00000*, s74.00000*, -1.70.00000*, Principal axes: T 1.1400, Plg6.0000*, Azm319.0000*, N -1.0300, Plg27.0000*, Azm208.0000*, P -1.0200, Plg16.0000*, Azm50.0000*, GCMT 15:14:04:06.9-0.1, 61.05S:0.01:23.51W, 0.01, h22km, MW7.3/149, Moment Tensor Solution. s75.6157, s149.c570; Duration: 11s3 Moment tensor: Scale 10^20Nm; Mr-0.30; Mss0.31; Mss-0.01; Ms0.61; Mss1.16; Mss0.33; Best double couple: Ms1.30000*10^20, NP1.9s=93.00000*, s87.00000*, -1.25.00000*, NP2.9s=2.00000*, s65.00000*, -1.176.00000*, Principal axes: T 1.5600, Plg20.0000*, Azm320.0000*, N -0.5100, Plg64.0000*, Azm100.0000*, P -1.0600, Plg15.0000*, Azm25.0000*

ISC 15:14:03:41.7-0.4, 61.05S:0.04:23.51W, 0.04, h20km, 2km, h20km, P P n239, mb6.4/133, MS7.1/767, 21C-11D, South Sandwich Island region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like HOPE, VNA1, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like MAW, Mawson, etc.

comp=Z.75um,19.0s

comp=Z.75um,19.0s

comp=Z.122um,22.0s

comp=Z.128um,20.0s

comp=Z.7um,1.7s

comp=Z.7um,1.7s

comp=Z.128um,20.0s

comp=Z.1um,1.4s

comp=Z.175um,20.0s

comp=Z.286um,21.9s, baz=159, slow=34

comp=Z.421nm,0.9s

comp=Z.328um,22.0s

comp=Z.101um,21.6s, baz=180, slow=35

comp=Z.1um,1.1s

comp=Z.167um,21.0s

comp=Z.1um,1.5s

comp=Z.167um,21.0s

comp=Z.3um,2.0s

comp=Z.166um,19.0s

comp=Z.524nm,1.1s

comp=Z.120um,20.0s

comp=Z.250nm,1.0s, baz=203, slow=7.2, SNR=108

comp=Z.257um,21.9s, baz=208, slow=30

comp=Z.902nm,1.1s

comp=Z.166um,18.0s

comp=Z.204um,21.4s, baz=157, slow=5.2, SNR=24

comp=Z.307nm,0.9s

comp=Z.220um,21.0s

comp=Z.220um,21.0s

comp=Z.240um,22.0s

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like SR1, TBI, MORW, JTS, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like CVJ, TGUH, BBJ, TVO, etc.

Table with columns: Station ID, Name, Frequency, Power, Direction, and other technical details. Includes stations like DZM, MARNC, PVLZ, etc.

T57A	comp=Z,41µm,22.0s	Hurt	107.14	317	P	PKIKP	14 22 05.6	+0.1
V53A	baz=156	Saluda	107.15	314	PFAKE	LR	14 22 20.0	+1.4
V53A	comp=Z,45µm,22.0s	Saluda	107.15	314	P	PKIKP	14 22 05.6	0.0
Y48A	baz=154	Jasper	107.15	310	P	PKIKP	14 22 05.6	0.0
833A	baz=153	Chaparral WMA,	107.18	297	PFAKE	LR	14 22 20.0	+1.4
833A	comp=Z,27µm,21.0s	Chaparral WMA,	107.18	297	P	PKIKP	14 22 06.4	+0.7
833A	baz=151	Mechanicsville	107.20	319	P	PKIKP	14 22 04.7	-0.8
U55A	baz=156	Taz, Sparta	107.29	316	P	PKIKP	14 22 05.8	0.0
S58A	baz=153	Poland Farm, P	107.31	318	PFAKE	LR	14 22 20.0	+1.4
S58A	comp=Z,28µm,22.0s	Poland Farm, P	107.31	318	P	PKIKP	14 22 04.2	-1.5
X49A	baz=156	Woodville	107.37	311	P	PKIKP	14 22 06.8	+0.9
W51A	baz=153	Cleveland	107.38	312	P	PKIKP	14 22 06.8	+0.9
W51A	comp=Z,1.8nm,1.0s,ba	Rocky Mt	107.43	317	P	PKIKP	14 22 04.4	-1.6
R60A	baz=155	Leonardtown, M	107.44	320	P	PKIKP	14 22 07.4	+1.5
TKL	baz=156	Tuckaleechee C	107.48	313	PP	PP	14 22 25.6	-0.7
UOSS	comp=Z,1.8nm,1.0s,ba	Minazif	107.50	70	PFAKE	LR	14 22 20.0	+1.4
UOSS	comp=Z,72µm,18.0s	Tepelela	107.51	35	P	PP	14 22 25.0	-1.5
TPE	comp=Z,72µm,18.0s	Tepelela	107.51	35	P	PP	14 22 25.1	-1.4
VLO	comp=Z,72µm,18.0s	Vlora	107.53	34	P	PP	14 22 26.0	-0.6
R59A	comp=Z,72µm,18.0s	King George, V	107.55	39	P	PKIKP	14 22 05.9	-0.2
CPCT	comp=Z,85µm,22.0s	Cooper Cave	107.56	313	PFAKE	LR	14 22 20.0	+1.4
CPCT	comp=Z,85µm,22.0s	Xorichti	107.56	37	P	PP	14 22 21.3	-5.6
YOR	comp=Z,85µm,22.0s	Kipourio	107.57	36	P	PP	14 22 26.1	-1.0
KP40	comp=Z,85µm,22.0s	Nelsons Funny	107.57	315	PFAKE	LR	14 22 20.0	+1.4
U54A	comp=Z,26µm,21.0s	Nelsons Funny	107.57	315	P	PKIKP	14 22 07.2	+0.8
U54A	comp=Z,26µm,21.0s	Mineral	107.57	319	PFAKE	LR	14 22 20.0	+1.4
R58B	comp=Z,48µm,20.0s	Mineral	107.57	319	P	PKIKP	14 22 07.2	+1.0
R58B	comp=Z,48µm,20.0s	Sevierville	107.58	313	PFAKE	LR	14 22 20.0	+1.4
V52A	comp=Z,55µm,22.0s	Sevierville	107.58	313	P	PKIKP	14 22 07.6	+1.3
V52A	comp=Z,55µm,22.0s	Hartselle	107.58	310	PFAKE	LR	14 22 20.0	+1.4
X48A	comp=Z,114µm,22.0s	Hartselle	107.58	310	P	PKIKP	14 22 08.0	+1.7
X48A	comp=Z,114µm,22.0s	Milford	107.61	321	P	PKIKP	14 22 08.1	+1.9
O61A	comp=Z,114µm,22.0s	Milford	107.61	321	P	PKIKP	14 22 08.1	+1.9
W50A	comp=Z,76µm,22.0s	Signal Mountai	107.62	312	PFAKE	LR	14 22 20.0	+1.4
W50A	comp=Z,76µm,22.0s	Signal Mountai	107.62	312	P	PKIKP	14 22 06.9	+0.4
CBN	comp=Z,47µm,22.0s	Corbin Frederi	107.63	319	PFAKE	LR	14 22 20.0	+1.4
CBN	comp=Z,47µm,22.0s	Corbin Frederi	107.63	319	P	PKIKP	14 22 05.6	-0.6
U53A	comp=Z,47µm,22.0s	Fall Branch	107.69	314	P	PKIKP	14 22 02.8	-3.7
BLA	comp=Z,47µm,22.0s	Blacksburg	107.72	317	PFAKE	LR	14 22 20.0	+1.3
BLA	comp=Z,47µm,22.0s	Blacksburg	107.72	317	P	PKIKP	14 22 02.5	-4.1
PENT	comp=Z,47µm,22.0s	Pentalofos	107.73	36	P	PP	14 22 26.6	-1.7
S57A	comp=Z,36µm,20.0s	Dark Hollow, R	107.74	318	PFAKE	LR	14 22 20.0	+1.3
S57A	comp=Z,36µm,20.0s	Dark Hollow, R	107.74	318	P	PKIKP	14 22 05.4	-1.1
AQU	comp=Z,79µm,21.0s	L'Aquila	107.74	29	PFAKE	LR	14 22 20.0	+1.4
AQU	comp=Z,79µm,21.0s	L'Aquila	107.74	29	eP	Pdf	14 22 02.7	+3.7
T55A	comp=Z,79µm,21.0s	Pulaski	107.76	316	P	PKIKP	14 22 04.6	-2.0
V51A	comp=Z,72µm,22.0s	Loudon	107.81	313	PFAKE	LR	14 22 20.0	+1.3
V51A	comp=Z,72µm,22.0s	Loudon	107.81	313	P	PKIKP	14 22 05.6	-1.2
SWET	comp=Z,46µm,22.0s	Natural Bridge	107.86	317	P	PKIKP	14 22 05.6	-1.1
S56A	comp=Z,46µm,22.0s	Natural Bridge	107.86	317	P	PKIKP	14 22 05.6	-1.1
O60A	comp=Z,46µm,22.0s	Greensboro	107.88	321	P	PKIKP	14 22 05.3	-1.4
W49A	comp=Z,46µm,22.0s	Belvidere	107.89	311	P	PKIKP	14 22 06.1	-0.8
R58A	comp=Z,46µm,22.0s	Rapidan	107.92	319	P	PKIKP	14 22 05.8	-1.1
X47A	comp=Z,46µm,22.0s	Russellville	107.95	310	P	PKIKP	14 22 05.8	-1.2
V50A	comp=Z,46µm,22.0s	Pikeville	107.96	312	P	PKIKP	14 22 07.5	+0.5
T54A	comp=Z,46µm,22.0s	Tazewell	107.98	316	P	PKIKP	14 22 05.4	-1.6
U52A	comp=Z,46µm,22.0s	Thorn Hill	107.99	314	P	PKIKP	14 22 06.3	-0.8
Q59A	comp=Z,46µm,22.0s	Harwood	108.01	320	P	PKIKP	14 22 07.2	+0.2
LIT	comp=Z,49µm,21.0s	Litokhoron	108.03	37	PFAKE	LR	14 22 20.0	+1.3
LIT	comp=Z,49µm,21.0s	Litokhoron	108.03	37	P	PP	14 22 28.2	-2.2
R57A	comp=Z,49µm,21.0s	Stanardsville	108.08	318	P	PKIKP	14 22 06.5	-0.7
W41A	comp=Z,49µm,21.0s	Pulaski	108.16	311	P	PKIKP	14 22 07.9	+0.5
6P8A	comp=Z,49µm,21.0s	Hammonnton	108.18	322	P	PKIKP	14 22 07.5	+0.3
NATX	comp=Z,21µm,22.0s	Nacogdoches	108.18	303	PFAKE	LR	14 22 20.0	+1.2
NATX	comp=Z,21µm,22.0s	Nacogdoches	108.18	303	P	PKIKP	14 22 07.1	-0.5
TZTN	comp=Z,38µm,20.0s	Tazewell	108.19	314	PFAKE	LR	14 22 20.0	+1.3
TZTN	comp=Z,38µm,20.0s	Tazewell	108.19	314	P	PKIKP	14 22 07.9	+0.5
U51A	comp=Z,38µm,20.0s	La Follette	108.21	313	P	PKIKP	14 22 07.6	+0.1
T53A	comp=Z,38µm,20.0s	Wise	108.23	315	P	PKIKP	14 22 07.6	0.0
X46A	comp=Z,38µm,20.0s	Booneville	108.25	309	P	PKIKP	14 22 05.5	-2.0
S55A	comp=Z,38µm,20.0s	Lewisburg	108.26	317	P	PKIKP	14 22 05.1	-2.4
V49A	comp=Z,38µm,20.0s	McMinnville	108.34	312	P	PKIKP	14 22 04.9	-2.9
PSI	comp=Z,63µm,20.0s	Prapat	108.37	119	PFAKE	LR	14 22 20.0	+1.1
PSI	comp=Z,63µm,20.0s	Paraskevi	108.38	40	P	PP	14 22 24.2	-8.7
PRK	comp=Z,63µm,20.0s	Fox Den Farm,	108.40	319	P	PKIKP	14 22 06.7	-1.0
Q58A	comp=Z,63µm,20.0s	Manisa	108.42	42	PFAKE	LR	14 22 20.0	+1.2
MANT	comp=Z,90µm,20.0s	Pickwick Lake	108.44	310	PFAKE	LR	14 22 20.0	+1.2
PLAL	comp=Z,94µm,22.0s	Tirane	108.45	34	PFAKE	LR	14 22 20.0	+1.2

TIR	comp=Z,54µm,20.0s	Tirane	108.45	34	P	PP	14 22 33.7	+0.4
TIR	comp=Z,54µm,20.0s	Isparta	108.46	44	PFAKE	LR	14 22 20.0	+1.2
R56A	comp=Z,28µm,21.0s	Bull Pasture M	108.47	318	P	PKIKP	14 22 06.0	-2.0
KULA	comp=Z,28µm,21.0s	Kula-Manisa	108.47	42	P	PP	14 22 23.1	-1.1
O61A	comp=Z,28µm,21.0s	Altentown	108.50	322	P	PKIKP	14 22 07.3	-0.6
W47A	comp=Z,42µm,22.0s	Westpoint	108.50	310	P	PKIKP	14 22 06.0	-2.0
T52A	comp=Z,42µm,22.0s	Hallie	108.50	315	PFAKE	LR	14 22 20.0	+1.2
T52A	comp=Z,42µm,22.0s	Hallie	108.50	315	P	PKIKP	14 22 05.2	-2.8
OXF	comp=Z,36µm,22.0s	Oxford	108.53	308	PFAKE	LR	14 22 20.0	+1.2
OXF	comp=Z,36µm,22.0s	Oxford	108.53	308	P	PKIKP	14 22 06.1	-2.0
U50A	comp=Z,36µm,22.0s	Jamesstown	108.54	313	P	PKIKP	14 22 06.5	-1.6
435B	comp=Z,34µm,22.0s	Jarrell	108.54	300	PFAKE	LR	14 22 20.0	+1.2
435B	comp=Z,34µm,22.0s	Jarrell	108.54	300	P	PKIKP	14 22 09.0	+0.7
S54A	comp=Z,34µm,22.0s	Dingess, Beckl	108.55	316	P	PKIKP	14 22 08.2	+0.1
P60A	comp=Z,31µm,22.0s	Greenville	108.56	321	P	PKIKP	14 22 10.3	+2.3
SDMD	comp=Z,31µm,22.0s	Soldier's Deli	108.57	320	PFAKE	LR	14 22 20.0	+1.2
SDMD	comp=Z,31µm,22.0s	Marlinton	108.59	317	PFAKE	LR	14 22 20.0	+1.2
R55A	comp=Z,31µm,22.0s	Marlinton	108.59	317	P	PKIKP	14 22 08.3	+0.1
P59A	comp=Z,31µm,22.0s	Jarrettsville	108.62	321	P	PKIKP	14 22 09.2	+1.1
V48A	comp=Z,31µm,22.0s	Smith Brothers	108.65	311	PFAKE	LR	14 22 20.0	+1.2
V48A	comp=Z,31µm,22.0s	Smith Brothers	108.65	311	P	PKIKP	14 22 08.4	+0.1
HORT	comp=Z,70µm,22.0s	Horiatias	108.67	37	P	PP	14 22 33.2	-1.9
W46A	comp=Z,70µm,22.0s	Michie	108.69	309	P	PKIKP	14 22 06.8	-1.6
SSB	comp=Z,84µm,20.0s	Saint Sauveur	108.70	22	PFAKE	LR	14 22 20.0	+1.2
SSB	comp=Z,84µm,20.0s	Gray	108.71	314	P	PKIKP	14 22 05.6	-2.8
T51A	comp=Z,84µm,20.0s	Gray	108.71	314	P	PKIKP	14 22 05.6	-2.8
Q57A	comp=Z,84µm,20.0s	Strasburg	108.72	319	P	PKIKP	14 22 06.8	-1.5
S53A	comp=Z,84µm,20.0s	Williamson	108.72	315	P	PKIKP	14 22 06.8	-1.6
KAPI	comp=Z,30µm,22.0s	Kappang	108.73	143	PFAKE	LR	14 22 20.0	+1.1
KAPI	comp=Z,30µm,22.0s	Richland Creek	108.75	305	PFAKE	LR	14 22 20.0	+1.1
Z41A	comp=Z,28µm,22.0s	Richland Creek	108.75	305	P	PKIKP	14 22 07.0	-1.5
Z41A	comp=Z,28µm,22.0s	Richland Creek	108.75	305	P	PKIKP	14 22 07.0	-1.5
SAUI	comp=Z,146µm,21.0s	Saumaki	108.75	155	PFAKE	LR	14 22 20.0	+1.1
SAUI	comp=Z,146µm,21.0s	Saumaki	108.75	155	P	PKIKP	14 22 20.0	+1.1
HPIG	comp=Z,131µm,21.0s	Villacollemand	108.78	26	PFAKE	LR	14 22 20.0	+1.2
HPIG	comp=Z,131µm,21.0s	Villacollemand	108.78	26	P	PKIKP	14 22 07.5	-0.9
P58A	comp=Z,131µm,21.0s	Pank, Wackers	108.78	320	P	PKIKP	14 22 07.5	-0.9
CLTN	comp=Z,131µm,21.0s	Cedars of Leba	108.78	311	PFAKE	LR	14 22 20.0	+1.1
CLTN	comp=Z,131µm,21.0s	Cedars of Leba	108.78	311</				

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P43A	baz=153 Skaggs, Pawnee	113.09 311	P	PKIKP	14 22 16.5	-0.1	GRA1 Grafenberg Arr	114.22 25	PFAKE LR	14 22 30.0	+12	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKP/Pdf LR	14 22 20.9	-0.4
TIH	baz=151 Tihany	113.11 31	eP	Pdf	14 18 32.0	+9.4	BENB Eben Enmael	114.22 21	PP	14 23 14.7	0.0	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 22 23.5	+2.2
TIH			eP	SP	14 32 38.0	-0.9	BASN Ashfield	114.26 319	PP	14 22 15.9	-2.7	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 22 23.1	+1.8
TIH			eSS	SS	14 39 04.1	+1.4	H52A Wyevale	114.27 320	P	14 22 15.1	-3.5	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 22 20.6	-4.7
H56A	Elgin	113.12 323	P	PKIKP	14 22 16.9	+0.4	H52A Wyevale	114.27 320	P	14 22 15.1	-3.5	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 33 25.7	+2.3
MOA	baz=156 Molin	113.14 28	ePKIKP	PKIKP	14 22 16.1	-0.3	F55A Halter Lake	114.28 323	P	14 22 16.3	-2.3	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 39 32.0	+7.7
MOA	comp=Z,20nm,1.6s		ePP	PP	14 23 06.8	-0.3	G53A Otterburton	114.31 321	P	14 22 17.0	-1.7	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 50 25.6	+3.1
MOA	comp=Z,1µm,4.3s		ePKPKPbc	PKPKPbc	14 33 03.6	+2.0	J48A Bridge Port	114.31 317	PFAKE LR	14 22 30.0	+11	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 22 21.4	-0.8
WLVO	Wesleyville	113.16 321	P	PKIKP	14 22 17.2	+0.7	J48A Bridge Port	114.31 317	P	14 22 17.8	-1.0	MORC Moravsky Berou	115.70 29	ePKP/Pdf LR	PKIKP/Pdf LR	14 22 20.9	+8.4
J52A	Paris	113.19 319	P	PKIKP	14 22 16.8	+0.2	MODS Modra-Piesok	114.33 30	ePP	14 23 06.1	-9.5	I45A Fountain	115.79 316	P	PKP/Pdf	14 22 21.0	-0.5
I55A	Frankford	113.20 322	P	PKIKP	14 22 17.3	+0.7	MODS Modra-Piesok	114.33 30	ePP	14 23 11.1	-2.1	D53A Lac Vacivce, Po	115.80 323	ePKIKP/Pdf LR	PKP/Pdf	14 22 20.4	-1.1
DRWO	Darlington Wes	113.21 321	P	PKIKP	14 22 17.7	+1.1	MODS Modra-Piesok	114.33 30	eSS	14 39 10.3	+4.1	D53A Lac Vacivce, Po	115.80 323	P	PKP/Pdf	14 22 20.1	-1.5
M47A	Cromwell	113.22 315	P	PKIKP	14 22 17.7	+0.9	MODS Modra-Piesok	114.33 30	eL	14 58 54.1		L40A Anamosa	115.83 311	PFAKE LR	PKP/Pdf	14 22 30.0	+8.3
WLF	Walderdange	113.22 22	PFAKE LR	LR	14 22 30.0	+14	BRCO Bruce Peninsul	114.40 319	P	14 22 16.4	-2.5	L40A Anamosa	115.83 311	PFAKE LR	PKP/Pdf	14 22 30.0	+8.3
L49A	Milan	113.25 316	P	PKIKP	14 22 18.0	+1.2	PEMO Pembroke	114.40 323	P	14 22 16.2	-2.7	L40A Anamosa	115.83 311	PFAKE LR	PKP/Pdf	14 22 20.1	-1.6
EPT	El Paso	113.26 294	PFAKE LR	LR	14 22 30.0	+13	K6A Dorr	114.45 315	P	14 22 18.1	-1.0	L40A Anamosa	115.83 311	PFAKE LR	PKP/Pdf	14 22 20.1	-1.6
SBUM	Sibu	113.28 133	PFAKE LR	LR	14 22 30.0	+12	121A Cookes Peak, D	114.48 293	P	14 22 18.1	-1.6	E51A G1948 Merrick	115.84 321	P	PKP/Pdf	14 22 20.9	-0.7
SBUM			PFAKE LR	LR	14 22 30.0	+12	N41A Harden Midland	114.52 310	PFAKE LR	14 22 30.0	+11	H46A Fife Lake	115.89 317	P	PKP/Pdf	14 22 21.2	-0.5
AMBH	Ambrzhalva	113.32 33	eP	Pdf	14 18 50.0	+26	N41A Harden Midland	114.52 310	P	14 22 17.0	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
L48A	N Adams	113.33 316	P	PKIKP	14 22 17.3	+0.4	N41A Harden Midland	114.52 310	P	14 22 17.0	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 29 55.0	+2.3
H55A	Tweed	113.36 322	P	PKIKP	14 22 18.0	+1.1	PSZ Piszkesteto	114.56 32	ePP	14 23 01.1	-16	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 31 43.0	+0.7
DOU	Dourbes	113.36 20	ePKIKP	PKIKP	14 22 17.1	+0.4	PSZ Piszkesteto	114.56 32	ePP	14 23 03.0	+0.8	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 33 34.0	+1.6
LUVU	Luwu	113.37 145	PFAKE LR	LR	14 22 30.0	+12	I49A Point Hope	114.57 318	PFAKE LR	14 22 30.0	+11	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 39 34.0	+7.2
LUVU			PFAKE LR	LR	14 22 30.0	+12	I49A Point Hope	114.57 318	PFAKE LR	14 22 30.0	+11	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 39 34.0	+7.2
AAM	Ann Arbor	113.38 316	PFAKE LR	LR	14 22 30.0	+13	J47A Summer	114.61 316	P	14 22 16.4	-3.0	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
AAM			PFAKE LR	LR	14 22 30.0	+13	J47A Summer	114.61 316	P	14 22 16.4	-3.0	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
ACTO	Acton	113.39 320	P	PKIKP	14 22 19.9	+2.9	BMRO Meriville Lake	114.64 319	P	14 22 16.4	-2.9	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 39 34.0	+7.2
DELO	Deloro Mine	113.46 322	PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13	L44A Lake County Fo	114.74 313	P	14 22 17.4	-2.2	BRG Berggiesshubel	115.91 26	ePKP/Pdf LR	PKP/Pdf	14 22 21.4	-0.2
DELO			PFAKE LR	LR	14 22 30.0	+13											

15d 14h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ANGG, TAWA, HOPS, BTX, etc.

2013 JUL

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like JOHN, SMPP, K04D, etc.

776

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NEW, KDJ, F05D, etc.

15d 14h

2013 JUL

Table of astronomical observations for 15d 14h, listing station names, coordinates, and observation details.

Table of astronomical observations for 2013 JUL, listing station names, coordinates, and observation details.

Table of astronomical observations for 778, listing station names, coordinates, and observation details.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like U40A Yellville, Y49A Blount Mountain, N23A Red Feather La, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HHC comp=Z,11nm,1.0s, BJI Beijing, LZH Lanzhou, etc.

PGC 15 14:40:48.5:0.0,61:59N:141:09W, h5km, ML2.4/11, 212km Ww of Haines Jct., Yt Southern Alaska, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes stations like YUK2 White River, YUK3 Moose Creek, etc.

ISCJB 15 14:41:33.7:0.3,69:79N:0:03:15:7W:0:1, h10km, mb4.0/15, Error ellipse: s-maj=6.0km s-min=3.1km

REY 15 14:41:34.0:69:68N:14:54W, h10km, IDC 15 14:41:34.8:0.8,69:89N:15:84W, h0km, mb3.9/12, mb1.4/17, mb1mx3.9/52, mbtmp4.0/17, ML3.4/5, Error ellipse: s-maj=21.2km s-min=15.3km az=18.0

NEIC 15 14:41:36.1:0.3,69:89N:15:72W, h10km, mb4.4/5, Error ellipse: s-maj=8.0km s-min=5.6km az=198.0

NAO 15 14:41:41.0:4.0,70:08N:13:72W, ML4.8, BER 15 14:42:02.8:2.6,70:53N:10:26W, h7km, Confirmed Earthquake

ISC 15 14:41:36.0:0.5,69:85N:0:05:15:46W:0:05, h10km, n72, +19:00/83, mb4.1/15, Jan Mayen Island region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes stations like SCO Scoresbyss, JMI Jan Mayen, JMC Jan Mayen, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like SPA0 Spitsbergen Ar, SPITS Spitsbergen Ar, SFJD J230, etc.

BJI 15 14:43:01.9:0.0,51:98N:157:55E, h115km, mb5.0/44, s-min=2.3km az=156.9

KRSC 15 14:43:02.7:1.3,51:62N:157:80E, h112km, gkm, ML5.8, FELT (felt) at GMS Udovadny, [I] at lighthouse Krugliy; [II-III] at Paratunka, Severo-Kuril'sk, Petropavlovsk, Institute.

MOS 15 14:43:04.0:0.9,51:78N:157:41E, h124km, mb5.1/55, Error ellipse: s-maj=6.7km s-min=2.9km az=73.7

MOS Felt (I) at Petropavlovsk-Kamchatskiy, ISCJB 15 14:43:04.5:0.2,51:84N:0:03:157:40E:0:03, h126km, 1km, mb5.2/396, Error ellipse: s-maj=4.6km s-min=2.3km az=156.9

IDC 15 14:43:05.0:0.5,51:83N:157:30E, h122km, gkm, mb4.3/39, mb1.4/544, mb1mx4.4/67, mbtmp4.744, Error ellipse: s-maj=6km s-min=5.9km az=132.0

NEIC 15 14:43:05.1:0.1,51:89N:157:33E, mb5.3/297, Error ellipse: s-maj=3.7km s-min=1.8km az=165.0

ISC 15 14:43:04.3:0.3,51:73N:0:04:157:59E:0:03, h113km, 2km, h113km: p-P, n1178, e1912/1275, mb5.2/396, 16C-7D, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other parameters. Includes stations like KDTR Khodutka, KAMC Kamchatka, ASAK Asacha, etc.

Table with columns: SMAR, Somma, 1.71, 25, eP, Pn, 14 40 35.2 +1.3, etc. Includes stations like SMAR, Koryakskii, Sedlovina, etc.

Table with columns: MDJ, Mudanjang, 19.90, 260, eP, P, 14 47 24.9 -1.7, etc. Includes stations like MDJ, MJB9, MAJO, etc.

Table with columns: SONM, WAKE ISLAND HY, 32.76, 164, T, 15 24 56.5, etc. Includes stations like H1N2, H1N3, H1N1, etc.

SPA0	Spitsbergen Ar	comp=Z,34nm,0.8s	48.22 350 eP	P	P	14 51 32.5 -0.2
SPIT5	Spitsbergen Ar	comp=Z,77nm,1.5s	48.22 350 eP	P	P	14 51 32.5 -0.2
A04D	Lumis Island	comp=Z,1.9nm,0.3s,baz=57,slow=9.2,SNR=22	48.67 60 P	P	P	14 51 38.4 +1.9
NLWA	Neilton Lookou	comp=Z,15nm,0.9s	48.61 62 eP	P	P	14 51 39.2 +1.4
KMI	Kunming	comp=Z,27nm,0.8s	49.06 259 pP	pP	pP	14 51 41.3 +1.1
KMI				sP	sP	14 52 07.3 +0.6
KMI				pmax	pmax	14 52 19.3 0.0
KMI		comp=Z,12um,23.1s		LR	LR	
KMI		comp=Z,8um,23.1s		LR	LR	
D03D	Eldon	comp=Z,19um,24.6s	49.16 62 P	P	P	14 51 42.3 +2.0
B05A	Bryant	baz=306,SNR=36	49.27 60 P	P	P	14 51 42.7 +1.6
D04E	Lakebay	baz=306,SNR=15	49.54 62 P	P	P	14 51 45.5 +2.3
D05A	Enumclaw	baz=307,SNR=7.1	49.97 61 eP	P	P	14 51 47.9 +1.5
E04D	Cinebar	comp=Z,44nm,0.8s	50.03 62 P	P	P	14 51 48.8 +1.9
BVAR	Borovoye Array	baz=307,SNR=17	50.03 308 P	P	P	14 51 44.6 -2.2
BVAR		comp=Z,4.5nm,0.5s,baz=50,slow=7.1,SNR=26		PcP	PcP	14 53 04.8 -0.2
BRVK	Borovoye	comp=Z,3.4nm,0.4s,baz=74,slow=2.9,SNR=10	50.06 308 eP	pP	pP	14 51 44.4 -2.7
BRVK				eP	eP	14 52 10.0 -0.6
BRVK				pmax	pmax	14 51 45.4 -1.7
F04D	Rainier, OR	comp=Z,6.0nm,0.7s	50.07 63 P	P	P	14 51 48.9 +1.7
C06D	Leavenworth	baz=308	50.12 60 P	P	P	14 51 49.1 +1.4
LOH	Longmire	baz=307	50.33 62 eP	P	P	14 51 50.0 +0.8
LOH	Longmire	comp=Z,12nm,0.9s	50.33 62 eP	P	P	14 51 50.1 +0.8
LON				pmax	pmax	
G03D	McMinville, O	comp=Z,12nm,0.9s	50.45 64 P	P	P	14 51 52.0 +1.9
LTY	Liberty	baz=308	50.64 61 eP	P	P	14 51 52.3 +0.7
I02D	Swisshome	comp=Z,24nm,0.6s	50.80 66 P	P	P	14 51 54.8 +2.0
F05D	White Salmon	baz=308	51.05 63 P	P	P	14 51 56.5 +1.9
H04D	Lebanon	comp=Z,30nm,0.9s	51.17 65 P	P	P	14 51 57.3 +1.8
KEBM	Edson Butte	baz=309,SNR=11	51.29 67 eP	P	P	14 51 58.8 +2.2
I03D	Drain, OR	comp=Z,7nm,0.9s	51.34 66 P	P	P	14 51 59.0 +2.2
J01E	Myrtle Point	baz=309,SNR=9.9	51.34 67 P	P	P	14 51 59.1 +2.3
H04A	Detroit Lake	baz=309,SNR=6.6	51.38 64 eP	P	P	14 51 58.2 +1.0
G05D	Wamic, OR	comp=Z,59nm,1.0s	51.52 63 P	P	P	14 51 59.9 +1.7
C09A	Christman Ranch	baz=309,SNR=15	51.60 59 eP	P	P	14 51 59.3 +0.6
D08A	Wollman Farm,	comp=Z,51nm,1.1s	51.71 60 eP	P	P	14 52 00.2 +0.7
DAG	Danmarks Havn	comp=Z,26nm,1.0s	51.75 359 iP	P	P	14 51 59.4 0.0
K02D	Willamette Mer	comp=Z,1.75 359 iP	51.75 359 iP	P	P	14 52 03.4 0.0
HAWA	Hanford	baz=309,SNR=8.0	51.79 67 P	P	P	14 52 02.3 +2.0
I04A	Tendick Farm	comp=Z,43nm,1.0s	51.79 61 eP	P	P	14 52 01.1 +1.0
KULLO	Kullorsuaq	comp=Z,33nm,0.6s	51.81 65 P	P	P	14 52 02.3 +1.9
KULLO	Kullorsuaq	comp=Z,38nm,0.6s	51.84 11 iP	pmax	pmax	14 51 59.9 -0.2
F07A	Phinny Hill Vi	comp=Z,38nm,0.6s	51.84 11 iP	pmax	pmax	14 51 59.9 -0.2
G06A	Carlson Farm	comp=Z,38nm,0.6s	51.88 62 eP	P	P	14 52 02.0 +1.2
NEW	Newport	comp=Z,59nm,0.8s	51.90 63 eP	P	P	14 52 02.0 +1.0
NEW	Newport	comp=Z,8.7nm,0.8s	51.92 58 eP	P	P	14 52 01.9 +0.7
NEW	Newport	comp=Z,38nm,1.1s	51.92 58 eP	pmax	pmax	14 52 01.9 +0.7
NEW	Newport	comp=Z,38nm,1.1s	51.92 58 P	P	P	14 52 02.1 +1.0
E08A	Dider Farm, Ei	baz=308,SNR=17	51.98 61 eP	P	P	14 52 02.3 +0.8
I05D	Terrebonne, OR	comp=Z,36nm,0.9s	52.07 64 P	P	P	14 52 03.9 +1.6
L02E	Sved Junction	baz=309,SNR=14	52.16 67 P	P	P	14 52 05.3 +2.3
L02E	Cave Junction	baz=310,SNR=10	52.21 316 eP	P	P	14 52 01.5 -1.6
SVE				pmax	pmax	
H04D	Hull Mountain	comp=Z,12nm,1.1s	52.25 67 eP	P	P	14 52 05.7 +2.0
J04D	Umpqua Nationa	comp=Z,41nm,1.1s	52.33 66 P	P	P	14 52 06.7 +2.2
KRMB	Red Mountain	baz=310,SNR=29	52.39 68 eP	P	P	14 52 06.5 +1.7
E09A	Wood Farm, Sta	comp=Z,26nm,0.9s	52.46 60 eP	P	P	14 52 05.9 +0.8
PINE	Pine Mountain	comp=Z,66nm,0.9s	52.64 64 eP	P	P	14 52 08.6 +1.9
G08A	Pilot Rock	comp=Z,41nm,0.8s	52.79 62 eP	P	P	14 52 08.6 +0.9
J05D	Fort Rock, OR	comp=Z,19nm,1.0s	52.80 65 P	P	P	14 52 10.3 +2.5
L04D	Klamath Falls	baz=310,SNR=25	52.87 67 P	P	P	14 52 10.5 +2.1
KHMM	Horse Mountain	comp=Z,31nm,0.9s	52.91 69 eP	P	P	14 52 11.0 +2.3
YBH	Yreka Blue Hor	comp=Z,77nm,1.1s	52.95 67 P	P	P	14 52 11.5 +2.6
YBH	Yreka Blue Hor	comp=Z,41nm,0.9s,baz=549,slow=4.7,SNR=56	52.95 67 eP	P	P	14 52 10.8 +1.9
YBH	Yreka Blue Hor	comp=Z,55nm,1.0s	52.95 67 eP	pmax	pmax	14 52 10.8 +1.9
M02C	Callahan	comp=Z,55nm,1.0s	53.08 68 P	P	P	14 52 12.8 +2.9
WALA	Waterton Lakes	baz=310,SNR=16	53.09 55 eP	P	P	14 52 10.8 +0.9
KDJ	Kajisey	comp=Z,45nm,0.6s	53.10 293 eP	pP	pP	14 52 36.4 -0.6
I07A	Ize	comp=Z,11nm,1.0s	53.26 63 eP	P	P	14 52 11.4 +0.3
F10A	Beach Ranch, E	comp=Z,30nm,0.9s	53.30 60 eP	P	P	14 52 11.8 +0.4
KMRM	Mail Ridge	comp=Z,43nm,0.9s	53.35 69 eP	P	P	14 52 13.8 +2.1
ARU	Arti	comp=Z,2.9nm,0.8s	53.35 317 P	pP	pP	14 52 09.2 -2.3
ARU				sP	sP	14 52 35.2 -3.2
M04C	Macdoel	comp=Z,1.9nm,0.7s	53.41 67 P	P	P	14 52 14.7 +2.4
N02D	Trinity Center	baz=310,SNR=29	53.44 68 P	P	P	14 52 15.2 +2.7
BOOM	Boomskeye usch	baz=311,SNR=16	53.57 295 eP	pP	pP	14 52 13.5 -0.1
BOOM	Boomskeye usch			ePP	ePP	14 52 40.4 0.0
BOOM	Boomskeye usch			ePP	ePP	14 52 13.5 -0.1
KCPM	Cahto Peak	comp=Z,1.9nm,0.7s	53.77 70 eP	P	P	14 52 15.0 +0.5
WDC	Whiskeytown Da	comp=Z,1.1nm,1.6s	53.79 68 eP	P	P	14 52 16.0 +1.1
WDC	Whiskeytown Da	comp=Z,44nm,1.0s	53.79 68 eP	pmax	pmax	14 52 16.0 +1.1
O02D	Mt. Diablo Mer	comp=Z,44nm,1.0s	53.91 69 P	P	P	14 52 18.5 +2.6
APA	Apatty	baz=311,SNR=15	53.91 337 iP	pmax	pmax	14 52 11.8 -3.6
BMO	Blue Mountains	comp=Z,2.0nm,0.8s	53.97 61 eP	P	P	14 52 17.4 +1.1
BMO	Blue Mountains	comp=Z,41nm,1.1s	53.97 61 eP	pmax	pmax	14 52 17.4 +1.1

PANO	Nakornpanom	comp=Z,41nm,1.1s	54.02 251 P	P	P	14 52 18.4 +1.6
ARA0	ARCESS Array S	comp=Z,1.2nm,1.2s	54.10 341 eP	pP	pP	14 52 16.4 -0.3
ARA0				eP	eP	14 52 43.4 -0.3
ARCES	ARCESS Array B	comp=Z,0.9nm,0.6s,baz=62,slow=11,SNR=4.9	54.10 341 eP	pP	pP	14 53 20.0 0.0
ARCES				eP	eP	14 52 16.4 -0.3
ARCES		comp=Z,5.9nm,1.0s,baz=43,slow=11,SNR=3.9		pP	pP	14 52 43.4 -0.4
ARCES				PcP	PcP	14 53 20.0 0.0
NONG	Nongkai	comp=Z,2.2nm,0.5s,baz=24,slow=4.2,SNR=9.7	54.17 253 P	P	P	14 52 19.1 +1.2
MOD	Modoc Plateau	comp=Z,7nm,1.1s	54.21 66 eP	P	P	14 52 20.1 +2.0
AAK	Ala-Archa	comp=Z,47nm,0.8s	54.29 296 eP	pP	pP	14 52 17.5 -1.3
AAK				eP	eP	14 52 44.9 -0.8
AAK				ePP	ePP	14 52 44.9 -0.8
J08A	Cirle Bar Ran	comp=Z,3.6nm,1.2s	54.29 63 eP	P	P	14 52 20.3 +1.6
O03E	Paynes Creek	baz=311,SNR=41	54.40 68 P	P	P	14 52 21.1 +1.7
MSO	Missoula	comp=Z,50nm,1.1s	54.50 57 eP	P	P	14 52 21.2 +1.1
MSO	Missoula	comp=Z,31nm,1.1s,SNR=32	54.50 57 P	P	P	14 52 21.3 +1.2
SKNT	Sakalnokorn	comp=Z,74nm,1.3s	54.53 251 P	P	P	14 52 21.4 +0.9
PLID	Pearl Lake	comp=Z,47nm,0.8s	54.53 60 eP	P	P	14 52 21.4 +0.9
WVOR	Wild Horse Val	comp=Z,28nm,0.9s	54.80 64 eP	P	P	14 52 23.9 +1.5
WVOR	Wild Horse Val	comp=Z,87nm,1.0s	54.80 64 eP	pmax	pmax	14 52 23.9 +1.5
GDXM	Geysers	comp=Z,56nm,1.0s	54.81 70 eP	P	P	14 52 24.6 +2.2
ORV	Oroville	comp=Z,43nm,0.9s	55.06 69 eP	P	P	14 52 25.2 +1.0
ORV	Oroville	comp=Z,43nm,0.9s	55.06 69 eP	pmax	pmax	14 52 25.2 +1.0
FCC	Fin Flon	comp=Z,428nm,1.0s	55.07 44 eP	P	P	14 52 24.7 +0.7
FFC	Flores Flon	comp=Z,428nm,1.0s	55.07 44 iP	P	P	14 52 25.1 +1.1
PAYA	Payao	comp=Z,46um,0.8s	55.14 257 P	P	P	14 52 27.6 +2.7
SUMC	Summit	comp=Z,79nm,1.4s	55.49 6 eP	P	P	14 52 27.5 +0.3
SUMG	Summit	comp=Z,54nm,0.7s	55.49 6 iP	pmax	pmax	14 52 27.6 +0.4
SUMG	Summit	comp=Z,54nm,0.7s	55.49 6 iP	P	P	14 52 27.6 +0.4
FCC	Fort Churchill	comp=Z,101nm,1.1s	55.50 37 eP	P	P	14 52 27.4 +0.5
FCC	Fort Churchill	comp=Z,101nm,1.1s	55.50 37 eP	pmax	pmax	14 52 27.4 +0.5
KSH	Kashi	comp=Z,101nm,1.1s	55.50 292 P	pP	pP	14 52 30.1 +2.7
KSH				sP	sP	14 52 57.8 +3.3
KSH				PcP	PcP	14 53 09.8 +2.8
KSH				SS	SS	15 00 26.3 +2.5
KSH				pmax	pmax	15 03 51.9 +2.3
KSH		comp=Z,810nm,10.1s		LR	LR	
KSH		comp=Z,11um,16.2s		LR	LR	
KSH		comp=Z,15um,17.3s		LR	LR	
BEKR	Beckworth	comp=Z,56nm,1.0s	55.52 68 eP	P	P	14 52 28.8 +1.2
HRY	Holly Researc	comp=Z,56nm,1.0s	55.56 56 eP	P	P	14 52 29.9 +1.3
AFDM	Forest Hills D	comp=Z,24nm,1.1s	55.77 69 eP	P	P	14 52 30.5 +1.2
EGMT	Eagleton	comp=Z,80nm,1.4s	55.87 54 eP	P	P	14 52 30.7 +0.8
EGMT	Eagleton	comp=Z,80nm,1.4s	55.87 54 P	P	P	14 52 30.9 +1.0
UTTA	Utatarid	comp=Z,312,SNR=18	55.97 255 P	P	P	14 52 32.0 +1.2
CMMT	Chiang Mai	comp=Z,23um,0.9s,comp=Z,225um	56.11 257 P	P	P	14 52 32.6 +0.7
CHTO	Chiang Mai	comp=Z,19nm,0.8s	56.11 257 eP	P	P	14 52 31.8 -0.1
CHTO	Chiang Mai	comp=Z,19nm,0.8s	56.11 257 eP	pmax	pmax	14 52 31.8 -0.1
DLMT	Dillon	comp=Z,19nm,0.8s	56.17 58 eP	P	P	14 52 32.6 +0.4
RUBR	Rubicon Trail	comp=Z,21nm,0.9s	56.18 68 eP	P	P	14 52 33.5 +1.1
PAHR	Pah Rah Range	comp=Z,25nm,0.9s	56.18 67 eP	P	P	14 52 33.3 +1.0
KK31	Karatay Array	comp=Z,52nm,1.1s	56.20 298 eP	P	P	14 52 31.3 -0.9
KK31	Karatay Array	comp=Z,52nm,1.1s	56.20 298 eP	pmax	pmax	14 52 31.3 -0.9
KKAR	Karatay Array	comp=Z,15nm,1.1s	56.20 298 eP	P	P	14 52 31.1 -1.1
KKAR	Karatay Array	comp=Z,15nm,1.1s	56.20 298 eP	pmax	pmax	14 52 31.1 -1.1
VCNR	Virginia City	comp=Z,15nm,1.1s	56.31 68 eP	P	P	14 52 34.9 +1.6
CM31	Chiang Mai Arr	comp=Z,40nm,0.9s	56.39 257 eP	P	P	14 52 33.8 -0.1
CMAR	Chiang Mai Arr	comp=Z,9.5nm,0.7s	56.39 257 P	P	P	14 52 34.5 +0.7
CMAR	Chiang Mai Arr	comp=Z,9.5nm,0.7s,SNR=38	56.39 257 iP	pmax	pmax	14 52 34.9 +1.1
MCMT	McKenzie Canyo	comp=Z,8.0nm,0.8s	56.39 59 eP	P	P	14 52 34.7 +0.9
HLID	Hailey	comp=Z,28nm,1.1s	56.39 61 eP	P	P	14 52 35.1 +1.3
HLID	Hailey	comp=Z,312,SNR=33	56.39 61 P	P	P	14 52 35.6 +1.8
PNTR	Pine Nut	comp=Z,50nm,0.9s	56.47 68 eP	P	P	14 52 35.5 +1.0
BOZ	Bozeman (W)	comp=Z,32nm,0.6s	56.52 57 eP	P	P	14 52 36.0 +1.3
BOZ	Bozeman (W)	comp=Z,32nm,0.6s	56.52 57 eP	pmax	pmax	14 52 36.0 +1.3
BOZ	Bozeman (W)	comp=Z,32nm,0.6s	56.52 57 P	P	P	14 52 36.3 +1.7
CHAI	Chaiyaphum	comp=Z,312,SNR=62	56.55 252 P	P	P	14 52 35.9 +1.0
PBKT	Sadao Pong	comp=Z,59nm,1.2s	56.63 254 P	P	P	14 52 37.2 +1.7
CMB	Columbia Colle	comp=Z,8.4nm,1.1s	56.73 69 eP	P	P	14 52 37.7 +1.6
CMB	Columbia Colle	comp=Z,8.4nm,1.1s	56.73 69 eP	pmax	pmax	14 52 37.7 +1.6
YERR	Yerlington	comp=Z,33nm,1.1s	56.75 68 eP			

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Offset. Includes stations like P43A Skaggs, Pawnee, BWLO Walkerton, L47A Sherwood, O44A Mansfield, K49A Clarkson, G53A Haliburton, PEMO Pembrol, EKA Eskdalemuir Ar, CTA Charters Town, I51A Listowel, LATQ La Tuque, M47A Cromwell, ABTX Abilene, Hawle, L48A N Adams, CCM Cathedral Cave, CCM Cathedral Cave, CCM Cathedral Cave, AAM Ann Arbor, AAM Ann Arbor, BANO Bancroft, SFIN Lafayette, SFIN Lafayette, HHAR Hobbs, L49A Milan, TX31 Lajitas Ar. Si, LTX Lajitas, LTX Lajitas, TXAR Lajitas Array, TRQ Mont Tremblant, N47A Urbana, G55A Calabogie, PLVO Plevna, PLVO Plevna, KOLS Kolonick sedl, KOLS Kolonick sedl, ACTO Acton, J52A Paris, M49A Liberty Center, U40A Yellville, L50A Kingsville, BUR08 Bucočina Ar. S, ORIO Orleans, Innes, N48A Decatur, DELO Deloro Mine, DELO Deloro Mine, BURAR Bucočina Array, P46A Rosedale, CLL Collm, DRWO Darlington Wes, DRCO St. Marys Ceme, H55A Tweed, WLVO Wesleyville, I55A Frankfort, PLIO Pelee Island, N49A Columbus Grove, N49A Columbus Grove, TYNO Tyneside, HPIG, W39A Magazine, W39A Magazine, M50A Fremont, M50A Fremont, O48A Farmland, H56A Elgin, P47A Martinsville, S44A Carbonate, J54A Appleton, FCAR Ozark Folk Cen, PECO Prince Edward, PECO Prince Edward, PBMO Poplar Bluff, MEDO Medina, MEDO Medina, O51A Elyria, M49A Covington, N50A Nevada, JCT Junction City, JCT Junction City, JCT Junction City, P48A Milroy, J55A Hilton, J55A Hilton, M52A Chesterland, M52A Chesterland, WHTX Lake Whitney.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Offset. Includes stations like WHTX Lake Whitney, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, MIAR Mount Ida, LONY Lake Ozonia, LONY Lake Ozonia, WHAR Woolly Hollow, ERPA Erie, ERPA Erie, N51A Ashland, L53A Girard, USIN University of, OZUR, VYHS Vyhne, VYHS Vyhne, W41B Gary Mavity, W41B Gary Mavity, K54A Basiliko Farm, O50A Cable, P49A Miami Univ. Ec, WRAB Tennant Creek, Q48A North Vernon, L54A Sinclairville, WR1 Warramunga Arr, WRA Warramunga Arr, MOC Mt. Orford, K55A Perry, S46A Don Dixon Farm, M53A Wilmer, MMNY Mt. Morris Dam, ACSO Alum Creek Sta, ACSO Alum Creek Sta, X40A Basin Creek Fa, X40A Basin Creek Fa, T45A Paducah, T45A Paducah, N52A McGinn's Farm, PQI Prevue Isle, P50A Jamestown, BATG Bathurst New B, Q49A Aurora, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, WCI Wyandotte Cave, R48A Northridge Ran, O51A Pataskala, L55A Hinsdale, MODS Modra-Piesok, MODS Modra-Piesok, M54A Oil Creek Stat, M54A Oil Creek Stat, NCB Newcomb, T46A Princeton, S47A Hartford, N53A Lisbon, VT1 Waterbury, P51A Williamsport, P51A Williamsport, O52A Adamsville, O52A Adamsville, R49A Shelbyville, R49A Shelbyville, N54A Moraine State, N54A Moraine State, Q50A Georgetown, M55A Ridgway, O53A New Philadelphia, S48A Gray, GEC2 GERESS Array S, GEC2 GERESS Array S, GEC2 GERESS Array S, GERES GERESS Array B, GERES GERESS Array B, O51A Peables, O51A Peables, P52A Peables, P52A Peables, LBNH Lisbon, LBNH Lisbon, LBNH Lisbon, LBNH Lisbon, PKME Peaks-Kenny Pk, PKME Peaks-Kenny Pk, M56A Emporium, S49A Springfield, R50A Paris, R50A Paris, T48A Bowling Green.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and Offset. Includes stations like ACCN Adirondack Com, O54A Avela, WVT Waverly, WVT Waverly, WVT Waverly, U47A Clarksville, BINY Binghamton, BINY Binghamton, N55A Marion Center, N55A Marion Center, NATX Naecochoches, HNH Hanover, V46A Holladay, P53A Whipple, P53A Whipple, R51A Hillsboro, Q52A Bidwell, N56A West Decatur, L58A Harry Jones Me, 833A Chahal WMA, WVW Waterville, T49A Edmont, T49A Edmont, U48A Cassie Pea, S50A Richmond, BZS Buzias, V47A Nunnelly, O55A Ligonier, W46A Michie, OXF Oxford, OXF Oxford, OXF Oxford, R52A Cattelitsburg, M58A Price's Panora, Q53A Leroy, SSPA Standing Stone, SSPA Standing Stone, MCWV Mont Chateau, MCWV Mont Chateau, U49A Red Boiling Sp, N57A Milroy, O56A Blue Knob Stat, O56A Blue Knob Stat, T50A Nancy, KSPA Keystone Colle, GGN Saint George, S51A Beattyville, S51A Beattyville, CLTN Cedars of Leba, P55A Red Boiling Sp, V48A Smith Brothers, O54A Cows Mills, Q54A Cows Mills, M59A Wayman, PLAL Pickwick Lake, W47A Westport, EMMW East Machias, R53A Hurricane, R53A Hurricane, S52A Salsersville, N58A Sunbury, X46A Booneville, O57A Amberson, Q55A Buckhannon, T51A Gray, U50A Jamestown, BR10 Keskin Arr S, BR10 Keskin Arr S, P56A Dayton Farm, V49A McClintnville, V49A State Game Lan, N59A State Game Lan, W48A Pulaski, X47A Russelville, QUA2 Belchertown, S53A Williamson, KSCT Kent School, R54A Victor, HRV Adam Dzewonsk, T52A Hallie, T52A Hallie, PAGES Pennsylvania G, Q56A Snyder Ridge, O58A Lewisberry.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Cedar Hill Far, Ogdensburg, Homestead Farm, Belvidere, La Follette, Dingess, Beckl, Weston, Tazewell, Granite Spring, Lehigh Unions, Pikeville, Marlinton, Boston College, Wise, Hartse, Hartse, Strasburg, Wackers, Thorn Hill, Palisades, Palisades, Telford, Basking Ridge, Bull Pasture, Loudon, Loudon, Bryant College, Signal Mount, Signal Mount, Lewisburg, Woodville, Guysborough, Jarrettsville, Tazewell, Cooper Cave, Jasper, Halifax, Halifax, Fox Den Farm, Sevierville, Sevierville, Fall Branch, Cleveland, Stanardsville, Pulaski, Alice Springs, Fort Payne, Alice Springs, Nelsons Funny, Nelsons Funny, Natural Bridge, Blacksburg, Blacksburg, Davos/Diachat, Blount Mountain, Blount Mountain, Rapidan, Livingston, Livingston, Dark Hollow, Dark Hollow, Murphy, Murphy, Calhoun, Saluda, Saluda, Zacatecas, Rocky Mt, T2, Sparta, Piedmont, Linares, Mineral, Mineral, Lakeview Retre.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Lakeview Retre, Cullowhee, Nest, King George, Columbiana, Dahlonega, Poland Farm, Rockmark, Hurt, King, Lake Jocassee, Ashland, Ashland, Taylorsville, Mechanicsville, Jones, Estanolee, Cherokee Point, Grand View Acr, Frazer, Blanch, Mocksville, Mocksville, Libburn, Camden, Eclectic, Kings Mountain, Belton, Paul, Monroe, Coltrane Farms, Double B, Double B, Oxford, Williamson, Indian Trail, Hodges, Windy Hill, Gracey, Tignall, Godfrey, Littleton, Waverly Hall, Waverly Hall, Monticello, Midway, White Oak, Jenkinville, Jenkinville, Dozier, Saluda, Birdtown, Kers, Middlesex, Raeford, Lumpkin, Possum Corner, Johnson Farm, Jim Taylor Roa, Jim Taylor Roa, Clinton, Blythe, Americus, Montrose, Rowland, Rowland, Blakely, Kite, Pink Hill, McDuffie Farm, Abbeville, Scranton, Bowman, Camilla, Albert Glenn T, Sylvania, Lor, Tifton, Hazlehurst, St. Stephen, Whigham, Bolivia.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Glennville, Pearson, Blackshear, Stateville, Lake Butler, Orange Park, Wilston, Stephens Creek, Ar Rayn, Ar Rayn, Lake Helen, Zephyrhills, Disney Wildern, Arcadia, Sonseca Array, Kesra, Kesra, Tori Ar, Tori Ar, Dimbokro, Vanda Vanda, LPaz, QSPA, QSPA, Sao Paulo, Syowa Base, Syowa Base.

NEIC 15 14:43:27.8:1.0, 14:53x172:38W, h10km, mb4.4/3, Error ellipse: s-maj=34.8km s-min=14.3km az=23.0

IDC 15 14:43:36.9:6.0, 15:125x173:67W, h0km, mb4.1/3, mb1 4.2/3, mb1mx3.7/35, mbtmp4.1/3, Error ellipse: s-maj=235.3km s-min=58.2km az=133.0

ISC 15 14:43:17.3:2.6, 14:25:0.2-171.0W:0.3, h10km, m13, o6939/10, mb4.2/4, Samoa Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NIUE, RAO, STKA, WR1, WR1, AS31, ASAR, VNA3, VNA3, VNA2, BRTR.

ISK 15 14:43:38.5:38:33N:38:10E, h3km, ML2.0/3 DDA 15 14:43:39.8:39:26N:38:12E, h7km, ML2.7

ISC 15 14:43:39.5:1.3, 38:26N:0:04, 38:08E:0:04, h7km, m12km, n8, o675/15, Turkey

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DARE, DARE, HEKM, ELZG, ELZG, SVRC, GZT, GZT, URFA, KEMA, KEMA, CUKAN, CUKAN.

SNET 15 14:44:05.7:0.8, 11:39N:87:21W, h26km, 6km, ML4.2, near coast of Nicaragua

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like COPN, CNGN, CNGN, CNGN, CNCH, CNCH, LCY, PACA, TECA, FGUH, PAVA, VICT, LOMA, LOMA, CEVE.

IDC 15 14:58:48.1:4.6, 61:06S:24:17W, h0km, mb4.1/2, mb1 4.1/2, mb1mx3.8/16, mbtmp4.0/2, MS5.3/1, Ms1 5.2/1, ms1mx4.9/19, Error ellipse: s-maj=106.7km s-min=55.2km az=94.0, South Sandwich Islands region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PLCA, H10S2, H10S4, H10S1, TORD, ASAR, SONM, ILAR.

DJA 15 15:00:17.9:0.9, 9:53:11:2E, h33km, 10km, M4.9/16,

mb4.8/6,MLv4.9/16
ISCJB 15:00:20.0,0.6,8.91S:0.05x,111.94E:0.03,h6km2,5km,
mb4.3/25,Error ellipse: s-maj=9.0km s-min=4.5km
az=16.6

NEIC 15:00:21.4,2.3,8.91S:111.96E,h62km,6km,mb4.6/15,
Error ellipse: s-maj=17.5km s-min=10.0km az=191.0
NEIC Felt (III) at Tulungagung. Also felt at Blitar.
IDC 15:00:21.6,2.2,8.68S:112.08E,h55km,21km,mb4.0/14,
mb1.4,1/16,mb1mx4.0/31,mb1mp4.3/16,ML4.6/2,Error
ellipse: s-maj=18.8km s-min=11.6km az=37.0

ISC 15:00:20.8,1.0,8.99S:0.07x,112.02E:0.04,h53km,9km,
n230,1303/238,mb4.4/25,Jawa

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

Table with columns: W39A, N48A, PLIO, M50A, N49A, K54A, K55A, O48A, ERPA, MIAR, L54A, L53A, M52A, P47A, N50A, L55A, O49A, N51A, W41B, M53A, P48A, O50A, M54A, N52A, A49A, BINY, Q48A, M55A, N53A, O51A, L58A, P50A, M56A, N54A, Q49A, WCI, R48A, O52A, T46A, P51A, N55A, M58A, M59A, P52A, R49A, Q50A, O54A, Q51A, U46A, N57A, SSPA, R50A, N58A, P53A, M61A, O56A, N59A, WVT, WVT, Q52A, U47A, R51A, N60A, P57A, O58A, S50A, P55A, U48A, OXF, O59A, Q54A, O58A, P56A, S51A, U49A, R50A, Q55A, W47A. Lists various seismic stations and their coordinates and operational status.

Table with columns: P57A, Q56A, P58A, T51A, Q57A, R54A, U50A, W48A, Q58A, R56A, W49A, U51A, TZTN, V50A, X48A, R57A, U52A, V51A, R58A, T54A, W50A, X49A, Y48A, U53A, T55A, V52A, W51A, X50B, T56A, U55A, V53A, X51A, T57A, LRAL, Y50A, Z49A, V54A, W53A, T58A, X52A, Z50A, 149A, U57A, T59A, V56A, X53A, U58A, V57A, Y52A, 150A, KMSC, X54A, Y53A, Z52A, X55A, W57A, V59A, Y54A, 152A, GOGA, Z53A, 251A, X56A, Y55A, Z54A. Lists various seismic stations and their coordinates and operational status.

JMA 15:01:28.5,0.1,23.97N:121.08E,h0km,M3.7
TAP 15:01:29.1,23.96N:121.05E,h19km,ML4.0,B
ISCJB 15:01:30.1,0.1,23.953N:0.009x,121.07E:0.01,
h22km,11km,Error ellipse: s-maj=2.0km s-min=1.3km
az=3.9

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Haines Junction, Hamilton, Peninsula, Ragged Mountai, etc.

NEIC 15:25:16.8-0.0, 61.57N, 141.05W, h14km, ML2.3(OTT), ML2.5(AEIC), After AEIC.

PGC 15:25:18.3, 61.58N, 141.08W, h1km, ML2.3/8, 211km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like White River, Moose Creek, Sand Pete Hill, etc.

SOME 15:31:47.5, 41.23N, 72.87E, h15km

NNC 15:31:47.8, 0.8, 41.37N, 72.85E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=6.7km s-min=2.5km az=173.0

KRNET 15:31:48.2, 0.1, 41.36N, 72.87E, h23km, mb3.0

ISC 15:31:48.0, 0.9, 41.34N, 0.04, 72.89E, 0.02, h15km, gkm, n53, c152/83, 28C-15D, Kyrgyzstan

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Tokmak 2, Ulahol, Karatay Array, etc.

IDC 15:35:39.9-6.2, 30.61S, 177.91W, h229km, 56km, mb3.1/3, mb1 3.4/5, mb1mx3.2/25, mbtmp4.0/5, Error ellipse: s-maj=48.2km s-min=38.1km az=20.0

ISC 15:35:38.7-2.0, 30.55S, 0.1x178.0W, 0.3, h200km, n7, c259/8, mb3.3/3, Kermadec Islands

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

SOME 15:37:40.4, 41.28N, 72.92E, h10km

KRNET 15:37:40.2, 0.1, 41.25N, 72.89E, h26km, mb3.3

NNC 15:37:40.7-0.8, 41.36N, 72.86E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=6.6km s-min=2.8km az=174.0

ISC 15:37:38.4-1.0, 41.16N, 0.03, 73.01E, 0.02, h19km, gkm, n65, c159/99, 27C-27D, Kyrgyzstan

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

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

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

ISC 15 15:43:15.61±3.49±11N:0.04±18.63E:0.04, h6km±17km, n5, 0.072/10, Czech and Slovak Republics

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

ISC 15 15:45:23.0±1.1, 5.65S: 153.20E, h0km, mb3.8/9, mb1.4/0.10, mb1mx3.8/29, mbtmp3.9/10, ML2.0/1, Error ellipse: s-maj=36.0km s-min=19.6km az=106.0

ISCJB 15 15:45:27.0±0.9, 5.65S: 0.08±153.1E:0.2, h37km, mb3.9/11, Error ellipse: s-maj=23.1km s-min=11.0km az=11.4

NEIC 15 15:45:29.0±0.7, 5.64S: 152.86E, h35km, mb4.1/2, Error ellipse: s-maj=18.8km s-min=9.3km az=119.0

ISC 15 15:45:29.3±0.9, 5.62S: 0.09±152.9E:0.1, h37km, n21, 0.121/22, mb3.8/11, New Britain region

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

ISC 15 15:48:33.2±0.2, 5.86S: 153.20E, h0km, mb3.9/3, mb1.4/2.4, mb1mx3.7/31, mbtmp4.0/4, ML1.6/1.1, Error ellipse: s-maj=123.9km s-min=26.4km az=131.0, New Ireland region

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

ISCJB 15 15:55:20.1±0.9, 3.31N: 0.2±39.4W: 0.1, h0km, mb3.9/9, Error ellipse: s-maj=31.9km s-min=12.5km az=8.9

ISC 15 15:55:20.8±1.6, 3.308N: 39.40W, h0km, mb3.8/6, mb1.4/0.6, mb1mx3.6/51, mbtmp3.8/6, Error ellipse:

s-maj=58.4km s-min=22.1km az=15.0 NEIC 15 15:55:22.2±0.6, 3.307N: 39.40W, h10km, mb4.4/4, Error ellipse: s-maj=22.2km s-min=7.9km az=191.0

ISC 15 15:55:21.9±1.3, 3.31N: 0.3±39.4W: 0.1, h8km, n20, 0.0517/14, mb4.1/9, Northern Mid-Atlantic Ridge

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

ISC 15 15:55:31.5±0.8, 5.526S: 29.51W, h0km, mb4.0/8, mb1.4/1.8, mb1mx4.0/23, mbtmp4.0/8, Error ellipse: s-maj=29.3km s-min=19.6km az=50.0

NEIC 15 15:55:32.7±0.4, 5.529S: 29.58W, h10km, mb4.3/3, Error ellipse: s-maj=12.9km s-min=9.7km az=211.0

ISCJB 15 15:55:33.6±0.6, 5.53S: 0.1±29.6W: 0.2, h28km, mb4.1/7, Error ellipse: s-maj=17.9km s-min=12.5km az=33.4

ISC 15 15:55:35.4±0.7, 5.53S: 0.1±29.6W: 0.1, h28km, n21, 0.0565/21, mb4.1/7, South Sandwich Islands region

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

ISCJB 15 15:59:15.8±0.9, 3.32N: 0.2±39.4W: 0.2, h8km, mb3.7/7, Error ellipse: s-maj=28.4km s-min=19.0km az=155.8

ISC 15 15:59:16.4±1.1, 3.31N: 39.42W, h0km, mb3.7/7, mb1.3/9.7, mb1mx3.7/48, mbtmp3.7/7, Error ellipse: s-maj=35.6km s-min=24.0km az=161.0

ISC 15 15:59:17.0±1.0, 3.31N: 0.2±39.4W: 0.2, h8km, n13, 0.123/7, mb3.8/7, Northern Mid-Atlantic Ridge

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

ISCJB 15 16:02:27.5±0.5, 6.11S: 0.1±24.9W: 0.3, h10km, mb4.2/11, Error ellipse: s-maj=25.5km s-min=8.0km az=143.6

ISC 15 16:02:28.4±0.9, 6.102S: 25.04W, h0km, mb4.2/9, mb1.4/3.10, mb1mx4.0/27, mbtmp4.3/10, ML1.5/1.1, Error ellipse: s-maj=43.1km s-min=18.3km az=41.0

NEIC 15 16:02:29.8±0.5, 6.106S: 25.07W, h10km, mb4.4/4, Error ellipse: s-maj=24.0km s-min=10.2km az=225.0

ISC 15 16:02:29.5±0.7, 6.11S: 0.2±25.0W: 0.2, h10km, n31, 0.094/25, mb4.2/11, South Sandwich Islands region

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

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

NEIC 15 16:06:37.6±0.0, 61.57N: 141.08W, h9km, ML2.7(AEIC), ML2.8(OT), After AECIC

PGC 15 16:06:39.1±0.0, 61.58N: 141.07W, h1km, ML2.8/11, 21 km Wnw of Haines Jct., Vt. South Alaska, South Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YUK2, YUK3, etc.

ISCJB 15 16:07:23.7±0.9, 6.07S: 23.75W, h0km, mb4.0/4, mb1.4/3.6, mb1mx3.9/26, mbtmp4.2/6, ML4.7/2, Error ellipse: s-maj=43.2km s-min=23.1km az=100.0

ISCJB 15 16:07:24.0±1.2, 6.07S: 0.1±23.6W: 0.2, h10km, n19, 0.085/13, mb3.9/4, South Sandwich Islands region

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

ISC 15 16:20:23.7±0.9, 6.07S: 23.75W, h0km, mb4.0/4, mb1.4/3.6, mb1mx3.9/26, mbtmp4.2/6, ML4.7/2, Error ellipse: s-maj=43.2km s-min=23.1km az=100.0

ISCJB 15 16:20:24.0±1.2, 6.07S: 0.1±23.6W: 0.2, h10km, n19, 0.085/13, mb3.9/4, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VNA1, VNA2, etc.

15d 16h

Table with columns: TOR, Torodi Ar. Bea, 76.43 25 P, P, 16 32 15.3 +0.6

MAN 15:16:22:04.4, 5:89N x 126:12E, h137km, mb5.2, ML4.1, MS4.2

ISCJB 15:16:22:05.2:0.3, 6:08N:0:03:126:11E:0:05, h154km, 2km, mb4.2/34, Error ellipse: s-maj=9.2km s-min=4.6km az=158.5

IDC 15:16:22:06.5:0.5, 6:12N:126:23E, h149km, 4km, mb3.8/21, mb1.3, 9/24, mb1mx3.770, mbtmp4.3/24, Error ellipse: s-maj=18.4km s-min=7.7km az=68.0

NEIC 15:16:22:06.1:0.6, 6:09N:126:08E, h148km, 6km, mb4.4/18, Error ellipse: s-maj=9.6km s-min=4.9km az=65.0

DJA 15:16:22:07.9:0.9, 6:17N x 127:06E, h105km, 14km, M4.6/7, mb4.5/7, MLV4.6/6

ISC 15:16:22:05.8:0.6, 6:03N:0:04:126:12E:0:06, h143km, 5km, n87, r134/104, mb4.2/34, 1C-5D, Mindanao

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

2013 JUL

Table with columns: ZAA1, Zalesovo Array, 58.28 333 eP, P, 16 31 44.8 -0.5

ISCJB 15:16:31:10.0:0.5, 42:13N:0:02:15:18E:0:03, h5km, 5km, Error ellipse: s-maj=4.2km s-min=3.1km az=157.4

ROM 15:16:31:10.1:0.3, 42:10N:0:01:15:12E:0:01, h3km, 1km, ML2/7/39, Error ellipse: s-maj=1.0km s-min=1.0km az=44.0

BE0 15:16:31:30.4:1.2, 43:79N:16:68E, h10km, ML2, 1/3

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC

790

Main table with columns: BSSO, comp=E, 974um, 1.0s, S, AML, Sb, 16 31 34.8 +1.6

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SGTA, VCEL, VCEI, etc.

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SLCN, MORI, DUGI, NOCI, etc.

Table with columns: Code, Station Name, Δ, AZ, Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like YUK2, YUK3, YUK4, etc.

ISCJB 15 16:36:35.6, 0.5, 2.7, 64N, 0.05, 139.9E, 0.1, h500km, mb3.4/9, Error ellipse: s-maj=13.6km s-min=6.2km az=171.5
IDC 15 16:36:35.5, 1.4, 2.7, 66N, 140.09E, h490km, 16km, mb3.1/9, mb1.3/1.12, mb1mx2.9/3.7, mbtmp4.0/1.2, Error ellipse: s-maj=34.2km s-min=11.8km az=79.0
JMA 15 16:36:36.0, 0.2, 2.7, 71N, 139.88E, h498km, M4.1
ISC 15 16:36:36.5, 0.7, 2.7, 70N, 140.00E, 0.1, h500km, n28, r123/37, mb3.4/9, Bonin Islands region

15d 17h

Table with columns: UCH, Uchtr, baz=, 1.94, 56, 11, P, Pb, 17 07 52.3 -0.6, DDI, comp=N, 928nm, 0.2s, IAML, 17 50 35.0

UCR 15:17:06-10.5:3.9, 7.59N:82.09W, h20km, 24km, MW4.0, 1C, South of Panama

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

ISC 15:17:06:38.2U.4.3, 39.21N:142.199E, h0km, mb3.5/3, mb1 3.5/5, mb1mx3.3/44, mbtmp3.5/5, ML2.9/2, Error ellipse: s-maj=49.6km s-min=24.0km az=134.0

ISC 15:17:06:38.2U.1.5, 39.14N:10.1:143.1E:0.2, h16km, mb3.5/3, Error ellipse: s-maj=25.3km s-min=7.5km az=29.6

ISC 15:17:06:40.4:1.9, 39.29N:0.1:143.0E:0.2, h16km, n12, c1594.9, mb3.5/3, Near east coast of eastern Honshu

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

KRNET 15:17:07:15.8:0.1, 41.15N:72.35E, h8km, mb2.0

ISC 15:17:07:18.9:1.4, 41.1N:0.1:72.42E:0.05, h10km, Error ellipse: s-maj=14.6km s-min=5.0km az=179.7

SOME 15:17:07:18.0, 41.27N:72.30E, h0km

NNC 15:17:07:18.8:1.9, 41.26N:72.33E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=16.4km s-min=6.1km az=172.0

ISC 15:17:07:17.2:1.4, 41.17N:0.08:72.35E:0.03, h10km, n14, c0893/24, 8C-7D, Kyrgyzstan

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

2013 JUL

Table with columns: UCH, Uchtr, baz=, 1.94, 56, 11, P, Pb, 17 07 52.3 -0.6, DDI, comp=N, 928nm, 0.2s, IAML, 17 50 35.0

MEX 15:17:17:10.0:0.6, 16.67N:99.47W, h15km, 8km, MD3.8, Near coast of Guerrero

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

DDA 15:17:27:14.6, 40.08N:35.79E, h7km, 2km, ML2.5

ISK 15:17:27:14.6, 40.06N:35.81E, h9km, ML 1.8/6

ISC 15:17:27:14.6:1.5, 40.09N:0.04:35.77E:0.04, h9km, Error ellipse: s-maj=5.9km s-min=3.8km az=137.4

ISC 15:17:27:14.6:1.5, 40.07N:0.04:35.81E:0.03, h9km, n16, c0861/20, 2C, Turkey

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

CORM Corum, ERBA Erbaa, comp=Z, 459nm, 0.1s

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

ISC 15:17:30:25.4:0.3, 37.13N:42.59E, h0km, ML2.7

ISC 15:17:30:26.8:0.9, 37.15N:0.05:42.50E:0.06, h4km, 10km, Error ellipse: s-maj=8.0km s-min=2.7km az=44.5

DDA 15:17:30:27.2, 37.22N:42.47E, h7km, 5km, ML2.5

ISC 15:17:30:27.0, 37.19N:42.45E, h5km, ML2.7/7

ISC 15:17:30:26.8:1.3, 37.19N:0.04:42.49E:0.04, h1km, 12km, n16, c0948/23, Turkey

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

ISC 15:17:49:03.0:2.4, 33.04N:76.24E, h10km, ML4.5

ISC 15:17:49:06.2:0.9, 32.51N:76.50E, h0km, mb3.8/1.2, mb1 3.9/1.4, mb1mx3.7/41, mbtmp3.8/14, ML3.3/2, MS4.1/1, Ms1 4.1/1, ms1mx3.2/40, Error ellipse: s-maj=27.9km s-min=16.0km az=53.0

ISC 15:17:49:07.1:0.4, 32.69N:0.03:76.78E:0.06, h10km, mb3.7/1.2, MS4.1/1, Error ellipse: s-maj=7.9km s-min=4.6km az=4.8

ISC 15:17:49:08.4:0.5, 32.70N:0.04:76.63E:0.07, h10km, n30, c2510/35, mb3.7/1.2, Kashmir-India border region

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

Table with columns: DDI, comp=N, 928nm, 0.2s, IAML, 17 50 35.0, NDI, comp=E, 936nm, 0.9s, New Delhi, 4.04 173, ex, Pn, 17 50 10.0 -0.3

GCG 15:17:49:33.8:0.4, 13.39N:90.97W, h19km, 240km, MD4.0

SNET 15:17:49:36.9:1.0, 13.65N:90.82W, h15km, 5km, ML3.8

ISC 15:17:49:36.5:2.2, 13.6N:0.1:90.91W:0.06, h32km, 17km, n18, c1905/27, 1D, Near coast of Guatemala

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

ISC 15:17:49:46.2, 35.65N:4.80W, h138km, ml2.2

ISC 15:17:49:47.6:0.4, 35.80N:0.02:4.73W:0.02, h104km, 4km, Error ellipse: s-maj=3.2km s-min=2.8km az=169.1

IGL 15:17:49:49.4, 35.82N:4.74W, h10km, ML2.6

MDD 15:17:49:50.2:0.7, 35.73N:4.71W, h87km, 6km, mb2.6/1.4, Error ellipse: s-maj=5.8km s-min=4.0km az=6.0, PRXIMO

INMG 15:17:49:51.4:1.4, 35.85N:4.69W, h68km, 3km, ML2.4, Error ellipse: s-maj=4.1km s-min=2.5km az=137.0

SFS 15:17:49:51.0, 35.80N:4.69W, ML2.7, ALBORAN OESTE

ISC 15:17:49:47.6:1.2, 35.75N:0.02:4.68W:0.03, h111km, 6km, n76, c167/138, 5C-2D, Strait of Gibraltar

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

EGOR	S	Sn	17 50 32.8 -0.9	
ESPR	6.0nm,0.4s,SNR=7.9	P	Pn	17 50 15.7 +1.6
ESPR	2.8nm,0.1s,SNR=9.3	S	Sn	17 50 33.0 -1.1
EQUE	10nm,0.2s	P	Pn	17 50 19.1 +1.3
EQUE	0.5nm,0.1s,SNR=5.3	S	Sn	17 50 40.6 -0.1
EBER	1.9nm,0.4s,SNR=6.0	P	Pn	17 50 19.7 +0.9
EBER	1.4nm,0.2s,SNR=7.9	S	Sn	17 50 42.4 -0.2
LCRM	7.8nm,0.4s,SNR=7.8	P	Pn	2.06 184
LCRM	0.2nm,0.0s,SNR=9.0	S	Sn	17 50 21.4 -0.2
HORN	5.6nm,0.2s,SNR=47	P	Pn	17 50 49.3 +1.7
HORN	13nm,0.1s,SNR=34	P	Pn	17 50 22.8 +0.4
HORN	1.0nm,0.1s,SNR=10	S	Sn	17 50 52.3 +3.2
JBK	4.6nm,0.3s	P	Pn	17 50 23.0 -0.8
JBK	2.23 129	P	Pn	17 50 50.0 -1.5
JBK	2.24 58	S	Sn	17 50 53.2 -0.2
ECAB	9.9nm,1.6s,SNR=7.9	P	Pn	2.40 346
ECAB	0.2nm,0.0s,SNR=9.0	S	Sn	17 50 27.0 +1.3
ECAB	5.6nm,0.2s,SNR=47	S	Sn	17 50 53.9 -1.1
EADA	Adamuz	2.42	2	17 50 27.8 +1.9
EADA	3.5nm,0.1s,SNR=18	S	Sn	17 50 54.5 -0.9
EADS	13nm,0.1s,SNR=34	P	Pn	17 50 27.9 +1.8
EQES	Quesada	2.42	32	17 50 55.3 -0.4
EQES	1.0nm,0.1s,SNR=10	S	Sn	17 50 29.2 +1.3
EMIN	Mina Concepcio	2.57	322	17 50 57.7 -1.3
EMIN	6.0nm,0.1s,SNR=18	S	Sn	17 50 37.7 +0.4
EMIN	3.4nm,0.1s,SNR=27	S	Sn	17 50 00.8 -2.3
CZD	Col de Ziad	2.73	186	17 50 31.6 -1.4
CZD	0.2nm,0.0s,SNR=9.0	S	Sn	17 50 00.8 -2.3
ZHG	ZHG	2.81	216	17 50 39.9 +0.7
ZHG	17 50 03.9 -0.9	S	Sn	17 50 33.0 +1.1
ZHG	17 50 33.0 +1.1	S	Sn	17 50 04.4 -1.7
EGRO	El Granado	2.88	309	17 50 32.3 +0.2
EGRO	7.5nm,0.1s,SNR=18	P	Pn	17 50 04.4 -1.9
EGRO	1.9nm,0.3s,SNR=14	S	Sn	17 50 34.4 +1.8
MD31	MD31	2.88	181	17 51 06.8 -0.6
MD31	6.7nm,1.5s,SNR=7.9	P	Pn	17 50 33.1 +0.4
SESP	Santiago Espad	2.92	35	17 50 05.8 -1.8
SESP	6.6nm,0.3s,SNR=7.9	S	Sn	17 50 33.9 +1.0
MDT	Midelt	2.93	179	17 50 06.4 -1.5
MDT	0.2nm,0.0s,SNR=9.0	S	Sn	17 51 08.4
PVAQ	Vaqueiros	2.95	305	17 50 33.9 +1.0
PVAQ	0.2nm,0.0s	A	A	17 51 06.4 -1.5
PVAQ	0.2nm,0.0s	A	A	17 50 33.9 +1.0
PVAQ	0.2nm,0.0s	A	A	17 51 06.4 -1.5
PVAQ	0.2nm,0.0s	A	A	17 50 33.9 +1.0
PVAQ	0.2nm,0.0s	A	A	17 51 06.4 -1.5
PBDV	Barranco-do-Ve	3.02	301	17 50 31.6 -1.4
PBDV	0.2nm,0.0s	A	A	17 50 06.7 -1.2
PBDV	0.2nm,0.0s	A	A	17 50 34.9 +1.1
PBDV	0.2nm,0.0s	A	A	17 51 08.1 -1.4
PBDV	0.2nm,0.0s	A	A	17 50 34.9 +1.1
PBDV	0.2nm,0.0s	A	A	17 51 08.1 -1.4
PBAR	Barrancos	3.07	323	17 50 36.1 +1.6
PBAR	0.2nm,0.0s	A	A	17 51 09.4 -1.4
PBAR	0.2nm,0.0s	A	A	17 51 12.8
PBAR	0.2nm,0.0s	A	A	17 50 36.1 +1.6
PBAR	0.2nm,0.0s	A	A	17 51 09.4 -1.4
PCVE	Castro Verde	3.29	306	17 50 38.6 +1.2
PCVE	0.2nm,0.0s	A	A	17 51 15.1 -0.8
PCVE	0.2nm,0.0s	A	A	17 51 16.1
PCVE	0.2nm,0.0s	A	A	17 50 38.6 +1.2
PCVE	0.2nm,0.0s	A	A	17 51 15.1 -0.8
PBEJ	Beja	3.42	313	17 51 18.9 -0.1
PBEJ	0.2nm,0.0s	A	A	17 51 19.5
PBEJ	0.2nm,0.0s	A	A	17 51 18.9 -0.1
PBEJ	0.2nm,0.0s	A	A	17 51 18.9 -0.1
PBEJ	0.2nm,0.0s	A	A	17 51 18.9 -0.1
EMUR	La Murta	3.46	52	17 50 41.9 +2.1
MORF	Marmelete	3.56	297	17 50 41.9 +0.8
MORF	0.2nm,0.0s	A	A	17 51 20.3 -2.0
MORF	0.2nm,0.0s	A	A	17 51 22.6
MORF	0.2nm,0.0s	A	A	17 50 41.9 +0.8
MORF	0.2nm,0.0s	A	A	17 51 21.1 -1.3
MORF	0.2nm,0.0s	A	A	17 51 22.2
MORF	0.2nm,0.0s	A	A	17 50 41.9 +0.8
MORF	0.2nm,0.0s	A	A	17 51 21.1 -1.3
MORF	0.2nm,0.0s	A	A	17 51 22.2
MORF	0.2nm,0.0s	A	A	17 50 41.9 +0.8
MORF	0.2nm,0.0s	A	A	17 51 21.1 -1.3
MORF	0.2nm,0.0s	A	A	17 51 22.2
PVFI	Vila Bisbo	3.62	294	17 50 42.9 +1.1
PVFI	0.2nm,0.0s	A	A	17 51 21.9 -1.9
PVFI	0.2nm,0.0s	A	A	17 51 24.4
PVFI	0.2nm,0.0s	A	A	17 50 42.9 +1.1
PVFI	0.2nm,0.0s	A	A	17 51 22.2 -1.5
PVFI	0.2nm,0.0s	A	A	17 50 44.6 +1.5
PVFI	0.2nm,0.0s	A	A	17 51 24.8 -1.3
PVFI	0.2nm,0.0s	A	A	17 50 45.7 +1.4
PVFI	0.2nm,0.0s	A	A	17 51 26.6 -1.6
PVFI	0.2nm,0.0s	A	A	17 50 46.8 +2.3
PVFI	0.2nm,0.0s	A	A	17 51 28.2 -0.6
PVFI	0.2nm,0.0s	A	A	17 50 46.6 +1.3
PVFI	0.2nm,0.0s	A	A	17 51 28.0 -2.1
PVFI	0.2nm,0.0s	A	A	17 51 29.9
PVFI	0.2nm,0.0s	A	A	17 50 46.6 +1.3
PVFI	0.2nm,0.0s	A	A	17 51 28.0 -2.1
PVFI	0.2nm,0.0s	A	A	17 50 48.2 +1.8
PVFI	0.2nm,0.0s	A	A	17 51 30.6 -1.4
PVFI	0.2nm,0.0s	A	A	17 50 52.4 +2.0
PVFI	0.2nm,0.0s	A	A	17 51 37.6 -1.6
PVFI	0.2nm,0.0s	A	A	17 51 52.5
PVFI	0.2nm,0.0s	A	A	17 50 52.4 +2.0
PVFI	0.2nm,0.0s	A	A	17 51 37.6 -1.6
PVFI	0.2nm,0.0s	A	A	17 50 53.4 +1.7
PVFI	0.2nm,0.0s	A	A	17 51 40.2 -1.2
PVFI	0.2nm,0.0s	A	A	17 51 43.1
PVFI	0.2nm,0.0s	A	A	17 50 53.4 +1.7
PVFI	0.2nm,0.0s	A	A	17 51 40.2 -1.2
PVFI	0.2nm,0.0s	A	A	17 50 54.5 +1.5
PVFI	0.2nm,0.0s	A	A	17 51 42.0 -1.8
PVFI	0.2nm,0.0s	A	A	17 51 01.1 +1.9
PVFI	0.2nm,0.0s	A	A	17 51 53.1 -1.8
PVFI	0.2nm,0.0s	A	A	17 52 00.6 -0.5
PVFI	0.2nm,0.0s	A	A	17 52 00.6 -0.5
PVFI	0.2nm,0.0s	A	A	17 51 08.6 +1.8
PVFI	0.2nm,0.0s	A	A	17 52 06.6 -1.9
PVFI	0.2nm,0.0s	A	A	17 52 11.7 -2.7

MVO	comp=N,1.9nm,0.3s	A	A	17 52 16.2
MVO	Moncorvo	5.71	342	17 51 11.9 +1.9
MVO	comp=N,0.4nm,0.1s,SNR=7.9	S	Sn	17 52 12.1 -2.3
POLO	Lamas de Ole	6.12	337	17 52 22.6 -1.8
POLO	comp=N,1.3nm,0.5s	A	A	17 52 25.5
POLO	comp=N,1.3nm,0.5s	S	Sn	17 52 22.6 -1.8
ECAL	Calabor	6.39	346	17 52 28.4 -2.3
ELOB	Lobios	6.66	338	17 52 34.8 -2.5
ELOB	comp=N,3.4nm,0.6s,SNR=7.9	S	Sn	17 52 37.8 -3.2
PGAV	Gavieira, Arco	6.81	337	17 52 37.8 -3.2
PGAV	Gavieira, Arco	6.81	337	17 52 37.8 -3.2
EPGB	Poblet	7.18	37	17 52 47.1 -3.0
EPGB	comp=N,2.3nm,0.9s,SNR=7.9	S	Sn	17 52 47.1 -3.0

MAN 15 18:04:33.5,6.61N:126.19E,h320km,mb4.0,ML2.8,
MS2.4,1C-1D,Mindanao

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
MATI	Mati	0.34	11	Op	ISC	h m s	ISC
MATI	MATI	0.34	11	Op	Pn	18 05 14.7 +0.6	
DDMP	Don Marcelino,	0.69	223	eP	S	18 05 18.0 -1.8	
DDMP	Don Marcelino,	0.69	223	eP	Sb	18 05 15.5 +0.5	
DDMP	Don Marcelino,	0.69	223	eP	S	18 05 27.0 -2.1	
KCP	Kidapawan	1.16	290	eP	Pn	18 05 23.4 +6.5	
KCP	Kidapawan	1.16	290	eP	S	18 05 45.2 -6.3	
GSPH	General Santos	1.34	247	Op	S	18 05 25.3 +7.4	
GSPH	General Santos	1.34	247	Op	Sb	18 05 42.1 -1.1	
BUKP	Musuan	1.69	318	eP	Pn	18 05 20.4 +0.5	

MAN 15 18:15:43.3,6.46N:125.43E,h5km,mb3.8,ML2.5,MS2.0,
1C,Mindanao

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
DDMP	Don Marcelino,	0.45	141	eP	ISC	h m s	ISC
DDMP	Don Marcelino,	0.45	141	eP	Pg	18 15 52.5 +0.4	
DDMP	Don Marcelino,	0.45	141	eP	Sb	18 16 05.0 +4.2	
GSPH	General Santos	0.60	232	Op	S	18 15 51.9 -2.9	
GSPH	General Santos	0.60	232	Op	Sg	18 16 02.7 0.0	
SKMP	Bagumbayan, Su	0.88	274	eP	Pg	18 15 59.6 -0.6	
SKMP	Bagumbayan, Su	0.88	274	eP	Sn	18 16 16.1 +0.7	

KNET 15 18:19:07.2,0.3,42.49N:74.88E,h15km,2km,ml3.0,Error ellipse: s-maj=2.2km s-min=1.8km az=109.0
SOME 15 18:19:08.8,42.53N:74.88E,h15km
KRNET 15 18:19:08.1,0.1,42.49N:74.88E,h14km,mb3.7
NNC 15 18:19:08.4,0.7,42.53N:74.89E,h0km,mb4.0,mpv3.9, Error ellipse: s-maj=7.5km s-min=1.6km az=174.0

ISC 15 18:19:09.0,0.8,42.51N:0.02,74.89E,0.01,172.0km,6km,
n101,e1539/186,51C-30D,Kyrgyzstan

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
KBK	Karagaybulak	0.15	17	Op	ISC	h m s	ISC
KBK	Karagaybulak	0.15	17	Op	Pg	18 19 12.2 -0.5	
KBK	Karagaybulak	0.15	17	Op	Sg	18 19 15.0 -0.4	
KBK	Karagaybulak	0.15	17	Op	P	18 19 12.4 -0.4	
KBK	Karagaybulak	0.15	17	Op	Sg	18 19 15.3 -0.1	
AAK	Ala-Archa	0.32	294	Op	Pg	18 19 14.7 -0.8	
AAK	Ala-Archa	0.32	294	Op	Sg	18 19 19.3 -0.6	
AAK	Ala-Archa	0.32	294	Op	Pg	18 19 14.7 -0.8	
AAK	Ala-Archa	0.32	294	Op	P	18 19 14.7 -0.8	
AAK	Ala-Archa	0.32	294	Op	Sg	18 19 19.3 -0.6	
FRU1	Bishkek	0.35	328	Op	Pg	18 19 15.6 -0.5	
FRU1	Bishkek	0.35	328	Op	Pg	18 19 20.9 0.0	
UCH	Uchtor	0.40	225	Op	Pg	18 19 15.6 -1.4	
UCH	Uchtor	0.40	225	Op	Sg	18 19 20.9 -1.5	
UCH	Uchtor	0.40	225	Op	Pg	18 19 15.7 -1.3	
UCH	Uchtor	0.40	225	Op	Sg	18 19 20.8 -1.6	
CHMS	Chumysh	0.50	348	Op	Pg	18 19 18.1 -0.7	
CHMS	Chumysh	0.50	348	Op	Sb	18 19 25.2 -1.8	
CHMS	Chumysh	0.50	348	Op	Pg	18 19 18.2 -0.6	
CHMS	Chumysh	0.50	348	Op	Sb	18 19 25.4 -1.6	
KZA	Kyzart	0.51	148	Op	Pg	18 19 17.8 -1.2	
KZA	Kyzart	0.51	148	Op	Sg	18 19 24.8 -1.0	
KZA	Kyzart	0.51	148	Op	Pg	18 19 18.1 -0.9	
KZA	Kyzart	0.51	148	Op	S	18 19 25.0 -0.8	
TKM2	Tokmak 2	0.66	52	Op	Pg	18 19 21.0 -0.9	
TKM2	Tokmak 2	0.66	52	Op	Sg	18 19 30.0 -0.6	
TKM2	Tokmak 2	0.66	52	Op	Pg	18 19 21.0 -0.9	
TKM2	Tokmak 2	0.66	52	Op	Sg	18 19 30.1 -0.6	
TKM2	Tokmak 2	0.66	52	Op	Pg	18 19 21.1 -0.8	
TKM2	Tokmak 2	0.66	52	Op	Sg	18 19 30.2 -0.5	
ARLS	Aral	0.77	213	Op	Pg	18 19 22.6 -1.3	
ARLS	Aral	0.77	213	Op	Sg	18 19 32.4 -1.7	
BOOM	Boomsokoye usch	0.78	91	Op	Pg	18 19 23.0 -1.0	
BOOM	Boomsokoye usch	0.78	91	Op	Sg	18 19 33.4 -0.8	
USP	Ospenovka	0.81	339	Op	Pg	18 19 23.7 -0.9	
USP	Ospenovka	0.81	339	Op	Sb	18 19 34.9 -1.0	
USP	Ospenovka	0.81	339	Op	Pg	18 19 23.7 -0.9	
USP	Ospenovka	0.81	339	Op	Sb	18 19 34.9 -1.1	
EKS2	Erkin-Say	0.83	281	Op	Pg	18 19 24.1 -1.0	
EKS2	Erkin-Say	0.83	281	Op	Sg	18 19 35.8 -0.3	
EKS2	Erkin-Say	0.83	281	Op	Pg	18 19	

15d 18h

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
BTL5	Baital baz=47	2.60	347	eP	Pb	18 19	55.8 +0.2	
BTL5	Baital baz=47	eS	Sg	18 20	29.3 -3.3			
BTL5	Baital 26m,0.3s	2.60	347	eP	Pb	18 19	55.8 +0.2	
BTL5	Baital 26m,0.3s	eS	Sg	18 20	29.2 -3.3			
SATY	62nm,0.4s	2.65	77	Pg	Pb	18 19	57.2 +0.8	
SATY	65nm,0.3s	Lg	Lg	18 20	32.3			
SATY	131nm,0.4s	2.65	77	eP	Pb	18 19	57.2 +0.8	
SATY	65nm,0.3s	eS	Sg	18 20	32.3 -1.7			
DZA	135nm,0.1s	2.65	279	Pg	Pb	18 19	57.0 +0.6	
DZA	66nm,0.4s	Lg	Lg	18 20	31.6			
DZA	140nm,0.6s	2.65	279	iP	Pb	18 19	57.0 +0.6	
DZA	baz=80	iP	Sg	18 20	31.6 -2.5			
DZA	61nm,0.2s	2.65	279	iP	Pb	18 19	57.0 +0.6	
DZA	158nm,0.4s	iP	Sg	18 20	31.6 -2.5			
KPKS	Kokpek baz=70	2.94	70	eP	Pb	18 20	01.8 +0.4	
KPKS	baz=70	eS	Sb	18 20	40.0 +2.6			
KPKS	Kokpek 45nm,0.2s	2.94	70	eP	Pb	18 20	01.8 +0.4	
KPKS	156nm,0.3s	eS	Sb	18 20	40.1 +2.6			
MNBS	Baschi 9.2nm,0.4s	3.00	57	Pg	Pb	18 20	03.4 +0.9	
MNBS	140nm,0.5s	3.00	57	eP	Pb	18 20	03.4 +0.9	
MNBS	Baschi baz=60	eS	Sg	18 20	42.4 -3.1			
MNBS	Baschi 7.9nm,0.2s	3.00	57	eP	Pb	18 20	03.4 +0.9	
MNBS	140nm,0.5s	eS	Sg	18 20	42.4 -3.1			
UZB	Uzynbulak 15nm,0.2s	3.11	77	Pg	Pb	18 20	04.9 +0.6	
UZB	34nm,0.2s	Lg	Lg	18 20	45.2			
UZB	Uzynbulak baz=76	3.11	77	eP	Pb	18 20	04.1 -0.1	
UZB	baz=76	eS	Sb	18 20	44.0 +1.9			
UZB	Uzynbulak 15nm,0.2s	3.11	77	eP	Pb	18 20	04.1 -0.1	
UZB	78nm,0.5s	eS	Sb	18 20	44.0 +1.9			
KK31	Karatay Array 6.3nm,0.5s, baz=118, slow=14, SNR=73	3.27	282	Pg	Pb	18 20	07.4 +0.4	
KK31	13nm,0.4s, baz=100, slow=26, SNR=12	3.48	75	Pg	Pb	18 20	10.8 +0.2	
PDGK	Podgornoye 9.3nm,0.5s	Lg	Lg	18 20	50.2			
PDGK	25nm,0.6s	Lg	Lg	18 20	55.5			
PDGK	Podgornoye 0.9nm,0.4s	3.48	75	iP	Pn	18 20	05.2 +2.2	
PDGK	16nm,0.6s	iP	Pb	18 20	10.5 0.0			
PDGK	38nm,0.5s	iP	Lg	18 20	57.9			
PDGK	Podgornoye baz=75	3.48	75	iP	Pn	18 20	04.6 +1.6	
PDGK	baz=75	iP	Sn	18 20	45.3 +1.1			
TDK	Taldyqorghan 2.1nm,0.3s	3.56	44	Pg	Pb	18 20	12.2 +0.3	
TDK	71nm,0.3s	Lg	Lg	18 20	58.0			
TDK	Taldyqorghan 15nm,0.2s	3.56	44	eP	Pb	18 20	12.0 +0.1	
TDK	71nm,0.4s	eS	Sb	18 20	57.8 +2.6			
IUG	Iuzhnyy baz=66	3.62	266	eP	Pb	18 20	14.2 +1.2	
IUG	baz=66	eS	Sb	18 21	00.9 +4.0			
IUG	Iuzhnyy 3.7nm,0.4s	3.62	266	eP	Pb	18 20	14.2 +1.2	
IUG	baz=66	eS	Sb	18 21	00.9 +4.0			
BRLS	Borolday 34nm,0.9s, baz=80	3.76	280	eP	Pb	18 20	17.4 +2.2	
BRLS	baz=80	eS	Sg	18 21	06.3 -3.2			
BRLS	Borolday 1.1nm,0.2s	3.76	280	eP	Pb	18 20	17.4 +2.2	
BRLS	15nm,0.4s	eS	Sg	18 21	06.3 -3.2			
DJR	Jarkent 9.4nm,0.4s	4.01	61	Pg	Pb	18 20	21.2 +1.7	
DJR	17nm,0.4s	Lg	Lg	18 21	13.2			
DJR	Jarkent 9.4nm,0.4s	4.01	61	eP	Pb	18 20	21.2 +1.7	
DJR	17nm,0.4s	eS	Sg	18 21	13.2 -4.4			
KAPS	Kapalarasan 3.1nm,0.3s	4.26	48	Pg	Pb	18 20	25.6 +1.9	
KAPS	20nm,0.4s	Lg	Lg	18 21	20.6			
KAPS	Kapalarasan 2.8nm,0.6s	4.26	48	eP	Pb	18 20	25.8 +2.1	
KAPS	20nm,0.4s	eS	Sg	18 21	21.1 -4.5			
OTUK	Ortayu 0.9nm,0.4s	6.01	343	iP	Lg	18 22	17.7	
OTUK	8.2nm,0.5s	Lg	Lg	18 22	17.7			
MK31	Makanchiy Array 1.4nm,0.6s, baz=230, slow=13, SNR=6.0	6.80	48	Pn	Pn	18 20	48.7 +0.2	
MK31	3.2nm,0.8s, baz=222, slow=25, SNR=6.6	iS	Sn	18 22	08.1 +2.4			
MK31	3.6nm,0.7s, baz=222, slow=25, SNR=6.6	iLg	Lg	18 22	44.2			
KURBS	Kurchatov Arra 7.3nm,0.7s	8.49	16	iLg	Lg	18 23	36.3	

JSN 15 18:20:11.4-1.2, 18°12'N, 75°75'W, h0km, 14km, MD3.8, 2C-4D, Jamaica region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
CMJ	Castle Moutain	0.59	272	iP	Pg	18 20	23.4 +0.5	
WHJ	Yallahs	0.74	252	iP	Pg	18 20	23.4 +0.5	
GMW	Grenwich	0.93	267	eP	Pg	18 20	22.8 -1.1	
HQJ	Hope	0.96	263	iP	Pg	18 20	29.0 -0.8	
STH	Stony Hill	1.01	268	eP	Pg	18 20	29.2 -1.6	
PCJ	Portland Cotta	1.39	254	eP	Pn	18 20	36.3 -1.8	
PBB	Bambou Saint A	1.47	280	iP	Pn	18 20	46.2 -0.4	
CVJ	Coleyville	1.70	274	iP	Pn	18 20	40.9 -1.5	
MCJ	Malvern	1.85	264	iP	Sn	18 20	43.8 -0.7	
MCJ		iS	Sn	18 21	07.1 -1.6			

MAN 15 18:20:35.0, 743N, 124.79E, h30km, mb5.2, ML4.2, MS4.4, 3C-1D, Mindanao

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
KCP	Kidapawan	0.51	1457	eP	Pb	18 20	44.9 -0.8	
KCP		iS	Sn	18 21	01.8 +7.7			
BUKP	Musuan	0.52	31	eP	Pb	18 20	45.8 0.0	
BUKP		eS	Sn	18 20	55.7 +1.4			
CTBH	Cotabato-PC H	0.58	249	iP	Pb	18 20	46.2 -0.4	
SKMP	Bagumbayan, Su	0.94	195	eP	Pn	18 20	43.8 -0.9	
SKMP		eS	Pn	18 21	03.6 -0.9			
CGP	Cagayan de Oro	1.02	3551	eP	Pb	18 20	55.6 +1.5	
CGP		eS	Pb	18 21	10.7 +3.5			
DDMP	Don Marcelino	1.60	145	eP	Pb	18 21	04.2 +0.2	
BUTP	Butuan	1.74	28	eP	Sb	18 21	34.4 +6.9	
IPIL	Ipil	2.23	279	eP	Pb	18 21	17.4 +2.8	

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Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
IPIL	Surigao	2.44	161	iP	Pb	18 21	43.7 +1.9	
SCPH	Maasin	2.69	1	eP	Pn	18 21	30.1 +1.4	
MSLP	Ormoc	3.60	357	eP	Pb	18 21	44.3 +8.0	
OCPL	Borongan	4.19	9	eP	Pn	18 21	37.7 -0.3	
BESP	Catarman	5.05	359	eP	Pb	18 21	36.6 -0.3	
BESP		eS	Pn	18 21	55.8 +7.7			
CNP		eP	Pn	18 21	52.1 +3.4			

JMA 15 18:21:53.4-0.1, 23°59'N, 122°86'E, h52km, M2.2
 TAP 15 18:21:54.4, 23°75'N, 122°86'E, h49km, 1km, ML2.6, D
 ISC 15 18:21:53.4-1.3, 23°59'N, 122°86'E, 0.03, h29km, 13km, m43, c0889/80, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
JYNG	Yonagunijimaku	0.76	4	P	Pn	18 22	08.3 0.0	
JYNG		eS	Pn	18 22	18.6 -0.2			
YOJ	Yonaguni jima baz=9.0	0.78	8	P	Sn	18 22	08.7 +0.2	
YOJ		S	Sn	18 22	19.1 -0.1			
YOJ	Yonaguni jima baz=9.0	0.78	8	P	Pb	18 22	08.5 0.0	
YOJ		eS	Sb	18 22	18.9 +0.1			
HATJ	Hateruma jima	0.92	66	P	Pn	18 22	10.6 +0.2	
HATJ		eS	Pn	18 22	22.6 -0.1			
IRIF	Iriomote-Funau	1.01	50	P	Sb	18 22	12.0 +0.4	
IRIF		S	Sb	18 22	24.6 -0.6			
EOS1	EOS1 baz=326	1.10	321	P	Sn	18 22	13.2 +0.3	
EOS1		eS	Sn	18 22	27.2 +0.1			
JKRS	Kuro-shima	1.17	62	P	Pn	18 22	14.4 +0.6	
JKRS		S	Sn	18 22	29.0 +0.3			
TWD	Chiawan baz=285	1.24	289	P	Pn	18 22	14.4 -0.5	
TWD	baz=285	S	Sn	18 22	29.0 -1.6			
NANB	Nanau baz=293	1.27	306	eP	Pn	18 22	15.6 +0.4	
NANB		eS	Pn	18 22	31.5 +0.1			
NACB	Ninganchiao baz=289	1.28	293	eP	Pn	18 22	14.8 -0.5	
NACB		eS	Sn	18 22	30.1 -1.4			
ENA	Nanau baz=293	1.28	305	P	Pn	18 22	15.6 +0.2	
ENA		S	Sn	18 22	32.0 +0.5			
TWC	Suao baz=312	1.32	314	eS	Sn	18 22	31.8 -0.6	
JJU	Ishigaki jima	1.33	59	P	Pn	18 22	16.2 +0.1	
JJU		eS	Pn	18 22	32.3 -0.6			
EGFH	Guangfu baz=267	1.34	270	P	Pn	18 22	16.1 -0.1	
ESL	Shilin baz=265	1.34	276	eP	Pn	18 22	15.2 -1.0	
ESL		eS	Pn	18 22	31.6 -1.4			
HGSD	Ruisui baz=259	1.35	262	eP	Pn	18 22	15.9 -0.4	
HGSD		eS	Sn	18 22	31.5 -1.8			
ETLH	Xiulin Townshi baz=289	1.38	292	eP	Pn	18 22	16.5 -0.3	
ETLH		eS	Pn	18 22	32.9 -1.3			
EHY	Hungye baz=260	1.44	263	eP	Pn	18 22	17.8 +0.1	
EHY		eS	Sn	18 22	35.1 -0.5			
YULB	Yu-i baz=249	1.49	259	eP	Pn	18 22	18.1 -0.1	
YULB		eS	Pn	18 22	36.7 0.0			
TWF1	Yuli baz=255	1.50	257	eP	Pn	18 22	18.1 -0.2	
TWF1		eS	Pn	18 22	37.0 +0.1			
CHKT	Chengkung baz=236	1.51	248	eP	Pn	18 22	18.0 -0.6	
CHKT		eS	Pn	18 22	3			

Table with columns: KRND, KLANIDI, DAT, etc. Includes station names, coordinates, and various data points.

MAN 15 19:02:55.2, 13:32N:120.71E, h28km, mb3.5, ML3.2, MS1.6, 1D, Mindoro

NEIC 15 19:03:20.7, 0.0, 61.55N:141.04W, h14km, ML3.0(AEIC), ML3.3(OJT), After AEIC

PGC 15 19:03:22.1, 61.57N:141.09W, h5km, ML3.2/1.1, 211km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like White River, Moose Creek, Sand Pete Hill, etc.

Table with columns: PAX, PAX, PAX, etc. Includes station names like Cordova Ski Ar, Dot Lake, Dot Lake, etc.

ISCJB 15 19:09:52.7, 0.0, 61.57N:0.01x140.98W, 0.04, h9km, 3km, mb3.7/1.4, Error ellipse: s-maj=2.9km s-min=2.4km

NEIC 15 19:09:52.8, 0.0, 61.54N:141.03W, h8km, ML3.9(AEIC), After AEIC

AEIC 15 19:09:52.8, 61.54N:141.03W, h8km, ML3.9, IDC 15 19:09:53.0, 0.0, 61.67N:140.97W, h0km, mb3.8/1.5, mb1.4/0.2/1, mb1mx3.9/48, mbtmp3.8/2/1, ML3.4/5, Error ellipse: s-maj=13.0km s-min=8.8km az=36.0

PGC 15 19:09:54.2, 0.0, 61.56N:141.06W, h1km, ML4.0/1.1, 209km Wnw of Haines Jct., Yt Southern Alaska

ISC 15 19:09:53.0, 0.0, 61.55N:0.02x141.04W, 0.05, h2km, 7km, n132, e1955/160, mb3.8/1.4, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like White River, Moose Creek, Sand Pete Hill, etc.

IDC 15 19:19:12.8:5.1, 7.12S:130.01E, h177km, 62km, mb3.0/1, mb1.3/0.4, mb1mx2.8/25, mbtmp3.4/4, Error ellipse: s-maj=139.9km s-min=18.7km az=84.0, Tanimbar Islands region

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

Table with columns: SKT, BRKL, EPYK, EPYK, etc. Includes station names like Skwentna, Bradley Lake, Eagle Plains, Eagle Plains, etc.

ISCJB 15 19:19:12.8:5.1, 7.12S:130.01E, h177km, 62km, mb3.0/1, mb1.3/0.4, mb1mx2.8/25, mbtmp3.4/4, Error ellipse: s-maj=139.9km s-min=18.7km az=84.0, Tanimbar Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Skwentna, Bradley Lake, Eagle Plains, etc.

BUI 15 19:39:39.0:0.0, 27.99N:88.05E, h8km, mb4.7/2/1, mb4.7/16, ML4.6/1, Ms4.1/18, Ms7.3/8/1

ISCJB 15 19:39:43.7:0.4, 28.33N:0.02x87.66E, 0.02, h68km, 4km, mb4.4/7/5, Error ellipse: s-maj=3.9km s-min=2.8km az=25.6

MOS 15 19:39:44.7:1.0, 28.35N:87.67E, h77km, mb4.7/19, Error ellipse: s-maj=6.2km s-min=5.1km az=105.1

IDC 15 19:39:44.6:0.4, 28.44N:87.63E, h58km, 2km, mb4.0/29, mb1.4/1/31, mb1mx4.0/55, mbtmp4.3/31, MS3.5/5, s-min=7.1km az=55.0

NEIC 15 19:39:44.1:2.0, 28.38N:87.60E, h52km, 5km, mb4.7/56, Error ellipse: s-maj=10.4km s-min=5.2km az=110.0

DMN 15 19:39:45.2:0.4, 28.76N:87.60E, h10km, ML5.6/6, Error ellipse: s-maj=11.2km s-min=7.7km az=174.0

NDI 15 19:39:45.2:6.0, 28.33N:87.65E, h35km, 27km, ML4.7, mb4.7(NEIC)

ISC 15 19:39:43.9:0.3, 28.40N:0.03x87.66E, 0.03, h52km, 2km, h52km:pp-P, n24.5, e1952/294, mb3.8/3.6, MS3.8/6, 4C-3D, Kizang

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

TIXI	Tiksi	48.80	16	iP	P	19 48 22.4	-1.0
AKASG	Malin Array Be	48.82	314	iP	P	19 48 23.5	-0.3
AKASG	Malin Array Be	48.82	314	iP	P	19 48 23.7	-0.1
AKBB	Malin Array Si	48.82	314	eP	P	19 48 23.4	-0.4
KUR	Kuril'sk	49.39	53	iP	P	19 48 30.8	-1.4
BUR08	Bucovina Ar. S	51.99	310	eP	P	19 48 43.8	+0.2
FLAO	FINESS Array S	51.95	328	eP	P	19 48 47.4	+0.1
FLAO	FINESS Array S	51.95	328	eP	P	19 49 01.5	-1.4
FLAO	FINESS Array S	51.95	328	eP	P	19 49 09.4	-0.1
FLAO	FINESS Array S	51.95	328	eP	P	19 49 09.4	-0.1
FINES	FINESS Array B	51.95	328	eP	P	19 48 47.4	+0.1
FINES	FINESS Array B	51.95	328	eP	P	19 49 01.5	-1.4
FINES	FINESS Array B	51.95	328	eP	P	19 49 09.4	-0.1
FINES	FINESS Array B	51.95	328	eP	P	19 49 09.4	-0.1
ARAO	ARCESS Array S	54.01	337	eP	P	19 49 03.1	+0.7
ARAO	ARCESS Array S	54.01	337	eP	P	19 49 23.5	-1.1
ARCES	ARCESS Array B	54.01	337	eP	P	19 49 03.1	+0.7
ARCES	ARCESS Array B	54.01	337	eP	P	19 49 23.5	-1.1
AGG	Agios Georgios	54.33	299	eP	P	19 49 04.4	-0.8
AGG	Agios Georgios	54.33	299	eP	P	19 49 04.4	-0.8
OKK	Moravsky Berou	56.33	313	eP	P	19 49 37.6	-1.0
MORC	Kilima Mbogo	56.48	248	P	P	19 49 19.7	-1.6
VRAO	Vranov	56.99	312	eP	P	19 49 47.5	+1.3
DFC	Dobruska-Polom	57.05	314	eP	P	19 49 47.4	+0.4
DPC	Moravsky	57.15	312	eP	P	19 49 48.3	+1.0
KRUC	Hagfors	57.90	325	LR	LR	20 10 35.3	
PRU	Pruhonic	58.23	313	eP	P	19 49 51.5	-3.5
BRG	Bergjesshubel	58.50	314	eP	P	19 49 56.3	
PRU	Bergjesshubel	58.50	314	eP	P	19 49 57.9	+1.0
TIP	Timpagrande	58.55	301	eP	P	19 49 35.4	+0.1
PSA00	Pilbara Seismi	58.59	144	eP	P	19 49 35.7	+0.1
MOA	Molin	58.72	311	iP	P	19 49 58.6	+0.2
NC405	NORSAR Array S	58.84	327	eP	P	19 49 37.8	+1.0
GECC	GERESS Array S	58.94	312	eP	P	19 50 01.2	+7.6
GERES	GERESS Array B	58.94	312	eP	P	19 49 38.0	+0.2
GERES	GERESS Array B	58.94	312	eP	P	19 50 00.1	0.0
GERES	GERESS Array B	58.94	312	eP	P	20 16 16.7	
KHC	Kasperske Hory	58.97	313	eP	P	19 49 38.1	+0.1
KHC	Kasperske Hory	58.97	313	eP	P	19 50 01.1	+0.9
KHC	Kasperske Hory	58.97	313	eP	P	19 49 38.1	+0.1
KHC	Kasperske Hory	58.97	313	eP	P	19 50 01.1	+0.9
KHC	Kasperske Hory	58.97	313	eP	P	19 49 55.9	+2.2
KHC	Kasperske Hory	58.97	313	eP	P	19 50 00.0	
NC303	NORSAR Array S	59.00	327	eP	P	19 49 37.2	-0.7
CLL	Collim	59.03	315	eP	P	19 49 38.0	-0.3
CLL	Collim	59.03	315	eP	P	19 49 38.0	-0.3
NB201	NORSAR Array S	59.05	327	eP	P	19 49 38.4	+0.1
NB2	NORSAR Subarra	59.08	327	P	P	19 49 38.3	-0.2
NB200	NORSAR Array S	59.08	327	eP	P	19 49 38.4	-0.2
NB200	NORSAR Array S	59.08	327	eP	P	19 50 00.6	-0.3
NB200	NORSAR Array S	59.08	327	eP	P	19 49 38.4	-0.2
NOA	NORSAR Array B	59.08	327	P	P	19 49 54.6	+0.3
NOA	NORSAR Array B	59.08	327	P	P	19 50 00.6	-0.3
NOA	NORSAR Array B	59.08	327	P	P	19 49 40.1	+0.1
ABTA	Abfaltersbach	60.08	310	iP	P	19 50 07.5	-0.5
WTTA	Wattenberg	60.57	311	eP	P	19 50 10.9	-0.5
SQTA	Sankt Quirin	60.87	311	iP	P	19 50 12.9	-0.5
MOTA	Moosalm	60.91	311	eP	P	19 50 13.6	-0.1
OPO	Amboldiratomp	60.92	225	P	P	19 49 51.7	-0.1
RETA	Reutte	61.11	311	eP	P	19 50 15.2	+0.3
FETA	Feichten	61.23	311	eP	P	19 50 15.9	0.0
SENIN	Lac Senin/Sane	62.67	310	eP	P	19 50 09.0	-1.1
BNI	Bardonecchia	64.43	309	eP	P	19 50 14.4	-0.6
BNI	Bardonecchia	64.43	309	eP	P	19 50 14.4	-0.6
BNI	Bardonecchia	64.43	309	eP	P	19 50 20.1	+0.3
WR1	Warramunga Arr	65.91	131	eP	P	19 50 24.8	+0.6
WR1	Warramunga Arr	65.91	131	eP	P	19 50 47.0	0.0
WR1	Warramunga Arr	65.91	131	eP	P	19 50 24.8	+0.6
WRA	Warramunga Arr	65.91	131	eP	P	19 50 41.2	+0.6
WRA	Warramunga Arr	65.91	131	eP	P	19 50 47.0	0.0
WRAB	Tennant Creek	65.91	131	eP	P	19 50 24.9	+0.3
WRAB	Tennant Creek	65.91	131	eP	P	19 50 24.9	+0.3
WB2	Warramunga Arr	65.91	131	eP	P	19 50 24.6	-0.1
AS31	Alice Springs	68.30	135	eP	P	19 50 39.8	+0.1
ASAR	Alice Springs	68.30	135	eP	P	19 50 40.0	+0.2
ASAR	Alice Springs	68.30	135	eP	P	19 51 02.4	+0.2
CAST	Castle Rocks	77.13	23	eP	P	19 51 32.7	+1.1
PRP	Porcupine Dome	78.28	20	eP	P	19 51 37.6	+1.8
ILAR	Eielson Array	77.97	21	eP	P	19 51 36.5	+0.3
ILAR	Eielson Array	77.97	21	eP	P	19 51 53.0	+0.4
ILAR	Eielson Array	77.97	21	eP	P	19 51 58.8	-0.1
INK	Inuvik	78.89	14	P	P	19 51 42.0	+0.8
INK	Inuvik	78.89	14	P	P	19 51 41.7	+0.5
INK	Inuvik	78.89	14	P	P	19 51 42.0	+0.8
INK	Inuvik	78.89	14	P	P	19 51 41.5	-0.2
STKA	Stevens Creek	78.89	14	P	P	19 52 04.9	+0.5
SCRK	Sand Creek	79.43	21	eP	P	19 51 43.5	-1.0
DOT	Dot Lake	79.64	21	eP	P	19 51 45.9	+0.4
EPYK	Eagle Plains	79.68	17	eP	P	19 51 45.7	0.0
TOA1	Torodi Ar. Sit	80.37	280	eP	P	19 51 49.8	-0.4
TOA1	Torodi Ar. Bea	80.37	280	eP	P	19 52 12.2	-0.7
TORD	Torodi Ar. Bea	80.37	280	eP	P	19 51 49.8	-0.4

TORD	Kodiak Island	80.49	28	P	P	19 52 12.2	-0.7
KDAD	Kodiak Island	80.49	28	P	P	19 51 50.3	+0.2
KDAD	Kodiak Island	80.49	28	P	P	19 51 51.8	+1.7
BOSA	Boshof	82.33	32	P	P	19 50 40.1	-0.3
SCHO	Schefferville	94.25	346	LR	LR	20 40 45.1	
<p>ISC/JB 15 19:41:08.3,0.9,22.1;S:0.1;178.8W;0.2,h600km,mb3.8/7, Error ellipse: s-maj=20.2km s-min=13.9km az=10.1 IDC 15 19:41:11.2,1.4,0.2,22.26S;178.81W,h624km,47km,mb3.2/7, mb1 3.5/9,mb1mx3.2/38,mbtp4.3/9,Error ellipse: s-maj=25.6km s-min=22.4km az=49.0 ISC 15 19:41:09.4,1.0,22.25S;0.1x178.7W;0.2,h600km,n11, @152/13,mb3.7/7,South of Fiji Islands</p>							
Code	Station Name	Δ° AZ°	Op	Phase ID	Time Res	ISC	ISC
DZM	Mont Dzumac	13.74	268	P	19 44 06.2	+0.3	
URZ	Urewera	16.42	192	P	19 44 31.6	+1.2	
URZ	Urewera	16.42	192	P	19 47 14.9	+0.8	
STKA	Stevens Creek	36.47	246	P	19 47 25.8	+0.4	
ASAR	Alice Springs	43.49	259	P	19 48 20.7	-0.8	
ASAR	Alice Springs	43.49	259	P	19 49 56.6	+0.8	
ASAR	Alice Springs	43.49	259	P	19 49 56.6	+0.8	
WRA	Warramunga Arr	43.72	264	P	19 48 21.6	-1.6	
VNDA	Vanda	56.19	185	P	19 49 52.6	-0.6	
NVAR	Mina Array Bea	82.71	44	P	19 52 33.0	+1.4	
CMAR	Chiang Mai Arr	90.03	290	P	19 53 06.8	+0.1	
PDAR	Pinedale Array	90.64	43	P	19 53 07.7	-1.6	
BRTR	Keian Array B	147.42	310	PKPb	19 59 46.0	+2.3	
TORD	Torodi Ar. Bea	171.01	183	PKPab	20 01 31.2	-2.6	
<p>ATH 15 19:46:38.2,38.23N-22.08E,h11km,ML0.7/2,Error ellipse: s-maj=1.7km s-min=0.8km az=258.0,Greece</p>							
Code	Station Name	Δ° AZ°	Op	Phase ID	Time Res	ISC	ISC
AIG2	Aigio	0.02	336	P	19 46 40.1	0.0	
AIG2	Aigio	0.02	336	P	19 46 41.3	-0.2	
AIG4	Aigion	0.03	350	S	19 46 40.2	0.0	
AIG4	Aigion	0.03	350	S	19 46 41.7	+0.1	
AIG3	Aigion	0.04	31	P	19 46 40.2	-0.1	
LAKA	Lakka	0.08	280	P	19 46 41.9	+0.2	
LAKA	Lakka	0.08	280	P	19 46 42.4	-0.2	
LAKA	Lakka	0.08	280	P	19 46 42.8	-0.2	
LAKA	Lakka	0.08	280	P	19 46 43.0	0.0	
LAKA	Lakka	0.08	280	P	19 46 43.2	-0.1	
LAKA	Lakka	0.08	280	P	19 46 44.3		
TRAZ	Trapeza	0.12	119	P	19 46 44.7		
TRAZ	Trapeza	0.12	119	P	19 46 44.7		
TRAZ	Trapeza	0.12	119	P	19 46 44.7		
TRAZ	Trapeza	0.12	119	P	19 46 44.7		
TRIZ	Trizonia	0.14	357	P	19 46 41.4	-0.1	
TRIZ	Trizonia	0.14	357	P	19 46 43.8	0.0	
KALE	Kalitheia	0.17	16	P	19 46 42.2	+0.2	
KALE	Kalitheia	0.17	16	P	19 46 44.7	0.0	
SERG	Sergoula	0.19	354	P	19 46 45.2	+0.1	
SERG	Sergoula	0.19	354	P	19 46 45.4	+0.3	
KLAV	Kalavryta, Ach	0.19	163	P	19 46 42.3	-0.1	
KLV	Goura	0.35	144	P	19 46 45.4	+0.2	
GUR	Goura	0.35	144	P	19 46 45.1	-0.2	
ANX	Ano Chora	0.39	341	P	19 46 50.6	+0.6	
ANX	Ano Chora	0.39	341	P	19 46 50.8	-0.1	
<p>BUC 15 19:48:14.1,0.6,46.96N;25.75E,h4km,2km,MD2.2/3, 11C-11D,Error ellipse: s-maj=7.5km s-min=3.3km az=26.0,Romania</p>							
Code	Station Name	Δ° AZ°	Op	Phase ID	Time Res	ISC	ISC
BIZ	Bicaz	0.24	94	P	19 48 19.3	+0.6	
BIZ	Bicaz	0.24	94	P	19 48 19.3	+0.6	
PRAR	RASCAS	0.52	38	P	19 48 24.5	+0.4	
PRAR	RASCAS	0.52	38	P	19 48 24.5	+0.4	
BURAR	Bucovina Array	0.75	331	P	19 48 29.9	0.0	

15d 20h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include IRIF Iriomote-Funau, JKRS Kuro-shima, TIPB Shuangxi, etc.

IDC 15:20:02:48.0.1.3.49.09S.125.06E.h0km.mb3.8/4. mb1 4.1/5, mb1mx3.8/32, mbtmp4.0/5, ML2.1/1, MS3.4/1, MS1 3.4/1, ms1mx2.9/18, Error ellipse: s-maj=48.6km s-min=24.8km az=86.0, Western Indian-Antarctic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include H01W1 Cape Leeuwin H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, etc.

ATH 15:20:07:55.9.38.23N.22.10E, h12km, ML3.6/19, Error ellipse: s-maj=1.0km s-min=0.6km az=290.0, ISCBJ 15:20:07:55.8.0.2.38.24N.0.01.22.10E.0.0/1, h12km, ML3.6/19, mb4.0/11, MS2.9/2, Error ellipse: s-maj=2.1km s-min=1.8km az=37.7

THE 15:20:07:56.2.38.23N.22.10E, h8km, ML3.7/19, Error ellipse: s-maj=0.5km s-min=0.3km az=30.0, NEIC 15:20:07:56.2.0.0.38.23N.22.10E, h6km, mb4.1/4, ML3.7(17E), After THE

IDC 15:20:08:00.7.1.38.20N.22.16E, h47km, ML3.6/10, mb1 3.8/15, mb1mx3.6/46, mbtmp3.9/15, ML3.6/4, MS3.0/2, MS1 3.0/2, ms1mx2.5/27, Error ellipse: s-maj=12.4km s-min=10.2km az=40.0

BE0 15:20:08:05.9.0.9.38.93N.22.10E, h1km, mb3.0/6, ISC 15:20:07:56.1.0.6.38.23N.0.01.22.10E.0.0/1, h12km, ML3.6, n239, r1s47/297, mb4.1/11, 7C-4D, Greece

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include AI02 Aigio, AI03 Aigion, AI03 Aigion, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include ANX comp=N,31998um,0.6s, DLFA Delhi, DLFA comp=E,23769um,0.4s, etc.

798

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Rows include KTHA Kythira Island, KTHA Kythira Island, KEK Kerkira, etc.

15d 21h

Table with columns: UZB, Lg, Lg, 20 22 36.8, 20 21 39.5 -2.3, 20 22 36.8 -1.9. Includes station names like Uzunbulak, Fuego 3, Cerro Verde, etc.

WEL 15:20:55.34, 2.00S, 0.8, 177E, h46km, 1km, M3.6/30, ML4.0/24, MLV3.6/30, Error ellipse: s-maj=0.0km

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like PXZ Pawanui, WPHZ Waipukurau, etc.

NIED 15:21:17.00, 24.30N, 125.20E, h23km, Mw3.8 Best double... 1.30, 0.0000... NP2=0.32, 0.0000... 0.75, 0.0000...

2013 JUL

Msl 2.9/2, ms1mx2.6/33, Error ellipse: s-maj=30.2km s-min=18.7km az=71.0... ISCJB 15:21:17.10, 4.0, 2.4, 26N, 0.05, 125.22E, 0.05, h42km, 5km...

Main station list table for 2013 JUL with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like JM2J Miyako jima3, JOGS Gusukube, etc.

IDC 15:21:34.3-6.2, 6.74S, 129.37E, h98km, 78km, mb3.6/1, mb1 3.3/4, mb1mx3.1/28, mbtmp3.6/4, ML3.4/3, Error ellipse: s-maj=134.3km s-min=25.5km az=82.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like SIJI Sorong, WRA Warrungarra Arr, etc.

ISCJB 15:21:36.05, 0.5, 0.3, 14, 99S, 0.05, 172.61W, 0.05, h10km, mb4.4/54, MS4.3/17, Error ellipse: s-maj=7.9km s-min=6.2km az=35.3

BUI 15:21:36.05, 0.0, 0.0, 15, 115S, 172.66W, h7km, mb5.0/10, mb5.2/6, Ms4.7/3, Ms7 4.5/1

NEIC 15:21:36.05, 5.1, 9.1, 14, 99S, 172.57W, h10km, 2km, mb4.6/40, Error ellipse: s-maj=16.2km s-min=9.9km az=77.0

IDC 15:21:36.11, 7.0, 5.1, 15, 37S, 173.24W, h0km, mb4.3/20, mb1 4.5/20, mb1mx4.3/50, mbtmp4.3/20, MS4.3/14, MS4.3/14, ms1mx4.2/20, Error ellipse: s-maj=23.0km s-min=13.3km az=119.0

ISC 15:21:36.07, 8.0, 4.1, 14, 98S, 0.06, 172.54W, 0.06, h10km, n120, e2974/90, mb4.5/54, MS4.2/17, 5C-4D, Samoa Islands

Main station list table for Samoa Islands with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like AFI Afiamalu, NIUE Niue, KANTON, etc.

800

Main station list table for 800 with columns: PPT2, PAE, TVO, TBI, etc. Lists stations like Papeete2, Paea, Taravai, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual. Includes stations like Yellowknife Ar, Lac du Bonnet, Chiang Mai Arr, Lanzhou, Kashi, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual. Includes stations like Fivizzano, Minucciano (LU), Equi, Castelpoggio (), Villacollemand, Fosdinovo, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual. Includes stations like Eremo, Graiana, Palmaria, Port, Ermo, etc.

Table with columns: Code, Station Name, Azimuth, Altitude, Phase ID, Time, Residual. Includes stations like Cardoso, Codolo, Graiana, Mastiano, etc.

GTA		pP	pP	22 09 42.3	-1.3		
GTA		sP	sP	22 09 46.3	-2.4		
GTA	comp=Z,8.0nm,1.2s	pmx	pmx				
GTA	comp=Z,54nm,7.1s	LR	LR				
GTA	comp=Z,200nm,17.5s	LR	LR				
GTA	comp=Z,130nm,18.7s	LR	LR				
MEDO	Medina	59.31	58	P	P	22 09 30.9	+0.1
Q50A	Georgetown	59.32	65	P	P	22 09 30.4	-0.5
S49A	Springfield	59.32	67	P	P	22 09 30.3	-0.6
M53A	WI Miller and	59.33	61	P	P	22 09 31.0	0.0
LZH	Lanzhou	59.34	290	eP	P	22 09 31.8	+0.5
LZH				pP	sP	22 09 46.5	-2.5
LZH				sP	sP	22 09 52.6	+8.7
LZH				eP	PP	22 11 44.8	+2.5
LZH	comp=Z,26nm,1.3s			pmx	pmx		
LZH	comp=Z,97nm,8.2s			LR	LR		
LZH	comp=Z,320nm,15.9s			LR	LR		
LZH	comp=Z,330nm,16.3s			LR	LR		
LZH	comp=Z,430nm,18.2s			LR	LR		
P51A	Williamsport	59.39	64	P	P	22 09 30.8	-0.6
W46A	Michie	59.39	71	P	P	22 09 30.4	-1.0
V47A	Nunnally	59.40	70	P	P	22 09 30.7	-0.8
H56A	Elgin	59.45	56	P	P	22 09 31.8	+0.1
U48A	Cassie Pea, Po	59.49	69	P	P	22 09 31.9	-0.2
L54A	Sinclairville	59.50	59	P	P	22 09 32.3	+0.2
R50A	Paris	59.51	66	P	P	22 09 31.8	-0.5
PECO	Prince Edward	59.53	57	P	P	22 09 32.7	+0.5
Q51A	Peebles	59.55	65	P	P	22 09 32.3	-0.2
J55A	Hilton	59.57	58	P	P	22 09 32.6	0.0
K54A	Basiliko Farm,	59.57	59	P	P	22 09 33.0	+0.4
O52A	Adamsville	59.62	63	P	P	22 09 32.5	-0.4
T49A	Edmonton	59.65	68	P	P	22 09 32.9	-0.4
X46A	Booneville	59.67	72	P	P	22 09 32.6	-0.7
N53A	Lisbon	59.68	62	P	P	22 09 33.1	-0.2
W47A	Westpoint	59.76	70	P	P	22 09 33.4	-0.6
P52A	Corning	59.79	63	P	P	22 09 33.3	-0.9
K55A	Perry	59.82	58	P	P	22 09 34.0	-0.3
M54A	Oil Creek Stat	59.83	60	P	P	22 09 34.4	0.0
O53A	New Philadelph	59.87	62	P	P	22 09 34.2	-0.5
V48A	Smith Brothers	59.87	70	P	P	22 09 34.1	-0.6
S50A	Richmond	59.89	66	P	P	22 09 34.4	-0.5
R51A	Hillsboro	59.92	65	P	P	22 09 35.1	0.0
U49A	Red Boiling Sp	59.93	68	P	P	22 09 34.7	-0.4
LNIG	Linars	59.99	87	eP	P	22 09 34.2	-1.6
L55A	Hinsdale	60.01	59	P	P	22 09 35.8	+0.2
N54A	Moraine State	60.03	61	P	P	22 09 35.6	-0.2
T50A	Nancy	60.11	67	P	P	22 09 36.0	-0.4
X47A	Russellville	60.12	71	P	P	22 09 35.3	-1.2
Q52A	Bidwell	60.19	64	P	P	22 09 35.8	-1.0
W48A	Pulaski	60.23	70	P	P	22 09 36.6	-0.5
LONV	Lake Ozonia	60.28	55	P	P	22 09 37.0	-0.4
P53A	Whipple	60.31	63	P	P	22 09 37.2	-0.5
M55A	Ridgway	60.33	60	P	P	22 09 38.1	+0.2
O54A	Avella	60.37	62	P	P	22 09 37.9	-0.2
S51A	Beattyville	60.38	66	P	P	22 09 37.6	-0.6
V49A	McMinnville	60.38	69	P	P	22 09 37.4	-0.8
R52A	Catlettsburg	60.42	65	P	P	22 09 37.7	-0.8
U50A	Jamestown	60.53	68	P	P	22 09 38.5	-0.8
W49A	Belvidere	60.63	70	P	P	22 09 39.0	-0.9
M56A	Emporium	60.63	59	P	P	22 09 40.0	+0.1
X48A	Hartselle	60.65	71	P	P	22 09 38.7	-1.3
T51A	Gray	60.65	67	P	P	22 09 39.5	-0.6
Q53A	Leroy	60.67	64	P	P	22 09 40.0	-0.1
N55A	Marion Center	60.70	60	P	P	22 09 40.2	-0.2
R53A	Hurricane	60.81	64	P	P	22 09 41.1	-0.1
V50A	Pikeville	60.91	68	P	P	22 09 41.1	-0.7
O55A	Ligonier	60.94	61	P	P	22 09 41.6	-0.4
Y48A	Jasper	60.95	71	P	P	22 09 40.9	-1.2
Q54A	Coxs Mills	60.97	63	P	P	22 09 42.1	-0.1
N56A	West Decatur	60.97	60	P	P	22 09 42.2	-0.1
U49A	Woodville	61.02	70	P	P	22 09 41.6	-1.0
X51A	La Follette	61.03	67	P	P	22 09 42.1	-0.6
MCWV	Mont Chateau	61.03	62	P	P	22 09 42.1	-0.5
T52A	Hallie	61.09	66	P	P	22 09 42.6	-0.5
W50A	Signal Mountai	61.12	69	P	P	22 09 42.4	-0.9
P55A	Reedsville	61.15	62	P	P	22 09 43.5	+0.1
S53A	Williamson	61.17	65	P	P	22 09 43.5	-0.1
TZTN	Tazewell	61.18	67	P	P	22 09 43.4	-0.3
147A	Livingston	61.19	73	P	P	22 09 43.1	-0.6
V51A	Loudon	61.24	68	P	P	22 09 43.3	-0.8
BINY	Binghamton	61.28	57	P	P	22 09 44.8	+0.5
O56A	Blue Knob Stat	61.29	61	P	P	22 09 44.1	-0.3
Q55A	Buckhannon	61.37	63	P	P	22 09 45.1	+0.1
U52A	Thorn Hill	61.39	67	P	P	22 09 44.8	-0.3
SSPA	Standing Stone	61.39	60	eP	P	22 09 45.0	0.0
SSPA	Standing Stone	61.39	60	P	P	22 09 44.9	-0.1

Y49A	Blount Mountai	61.44	71	P	P	22 09 44.3	-1.1
T53A	Wise	61.44	66	P	P	22 09 45.7	+0.2
R54A	Victor	61.45	64	P	P	22 09 45.5	0.0
X50B	Fort Payne	61.45	70	P	P	22 09 44.7	-0.9
L58A	Harry Jones Me	61.46	58	P	P	22 09 46.1	+0.6
W51A	Cleveland	61.47	69	P	P	22 09 44.6	-1.0
N57A	Milroy	61.49	60	P	P	22 09 45.7	0.0
S54A	Dingess, Beckl	61.54	64	P	P	22 09 46.1	-0.1
KURK	Kurchatov	61.62	317	eP	P	22 09 46.1	-0.3
KURK	Kurchatov	61.62	317	eP	P	22 09 46.4	+0.1
M58A	Price's Panora	61.62	58	P	P	22 09 46.8	+0.2
V52A	Sevierville	61.65	67	P	P	22 09 46.2	-0.6
TKL	Tuckaleechee C	61.68	68	P	P	22 09 46.3	-0.7
LRAL	Lakeview Retre	61.68	72	P	P	22 09 46.1	-1.0
P56A	Dayton Farm, R	61.69	61	P	P	22 09 47.3	+0.2
Y50A	Piedmont	61.81	70	P	P	22 09 47.1	-0.9
Q56A	Snyder Ridge,	61.82	62	P	P	22 09 47.6	-0.4
O57A	Amberson	61.83	60	P	P	22 09 48.3	+0.3
X51A	Calhoun	61.83	69	P	P	22 09 47.1	-1.0
Z49A	Columbiana	61.84	71	P	P	22 09 47.1	-1.0
U53A	Fall Branch	61.85	66	P	P	22 09 47.8	-0.4
R55A	Marlington	61.86	63	P	P	22 09 48.4	+0.1
N58A	Sunbury	61.87	59	P	P	22 09 48.4	+0.1
LBNH	Lisbon	61.88	53	P	P	22 09 48.3	+0.1
T54A	Tazewell	61.92	65	P	P	22 09 48.9	+0.2
W52A	Murphy	61.99	68	P	P	22 09 48.5	-0.6
S55A	Levisburg	62.01	64	P	P	22 09 49.4	+0.1
M59A	Waymart	62.04	58	P	P	22 09 49.4	0.0
149A	Jones	62.11	72	P	P	22 09 49.3	-0.7
P57A	Homestead Farm	62.15	61	P	P	22 09 50.1	0.0
Z50A	Ashland	62.15	71	P	P	22 09 49.3	-1.0
R56A	Bull Pasture M	62.16	63	P	P	22 09 50.3	-0.1
U54A	Nelsons Funny	62.17	66	P	P	22 09 50.1	-0.3
Y51A	Roanart	62.19	70	P	P	22 09 49.5	-1.0
V53A	Saluda	62.22	67	P	P	22 09 50.5	-0.2
Q57A	Strasburg	62.25	61	P	P	22 09 50.9	0.0
O58A	Lewisberry	62.27	60	P	P	22 09 51.0	0.0
N59A	State Game Lan	62.31	58	P	P	22 09 51.6	+0.4
T55A	Pulaski	62.32	64	P	P	22 09 51.7	+0.4
X52A	Dahlongea	62.36	69	P	P	22 09 51.2	-0.4
Z49A	Gaten	62.37	73	P	P	22 09 51.2	-0.5
W53A	Cullowhee	62.37	68	P	P	22 09 51.3	-0.6
PKME	Pes-Kenny Pk	62.42	51	P	P	22 09 51.8	0.0
BLA	Blacksburg	62.46	64	P	P	22 09 52.6	+0.3
P58A	Pank, Wackersv	62.53	60	P	P	22 09 52.1	-0.5
O59A	Robesonia	62.53	59	P	P	22 09 52.9	+0.2
Z51A	Franklin	62.54	70	P	P	22 09 51.6	-1.2
WMQ	Urunkj	62.55	307	eP	P	22 09 53.4	+0.5
WMQ				sP	sP	22 10 18.0	+7.4
WMQ	comp=Z,14nm,0.9s			pmx	pmx		
WMQ	comp=Z,34nm,3.7s			LR	LR		
WMQ	comp=Z,240nm,23.1s			LR	LR		
WMQ	comp=Z,200nm,26.9s			LR	LR		
WMQ	comp=Z,140nm,24.9s			LR	LR		
150A	Eclectic	62.56	72	P	P	22 09 52.0	-1.0
U55A	TA2, Sparta	62.62	65	P	P	22 09 53.5	+0.1
V54A	Nebo	62.63	66	P	P	22 09 53.4	0.0
N60A	Cedar Hill Far	62.70	58	P	P	22 09 54.1	+0.4
Q58A	Fox Den Farm,	62.72	61	P	P	22 09 53.9	0.0
R57A	Standsville	62.72	62	P	P	22 09 54.3	+0.3
X53A	Estanolee	62.77	68	P	P	22 09 54.1	-0.3
Y52A	Lilburn	62.80	69	P	P	22 09 53.8	-0.7
T56A	Rocky Mt	62.80	64	P	P	22 09 54.4	-0.2
PRGR	Permogore	62.81	341	eP	P	22 09 52.2	-1.9
Z50A	Grady	62.82	72	P	P	22 09 54.3	-0.7
S57A	Dark Hollow, R	62.87	63	P	P	22 09 55.2	+0.2
P59A	Jarrettsville	62.90	60	P	P	22 09 55.2	+0.1
O60A	Telford	62.94	59	P	P	22 09 55.3	0.0
MKAR	Makanchi Array	62.94	312	P	P	22 09 54.4	-0.9
V55A	Taylorville	62.99	66	P	P	22 09 55.8	0.0
W54A	Cherokee Point	62.99	67	P	P	22 09 55.6	-0.2
R58A	Rapidan	63.00	62	P	P	22 09 56.0	+0.2
CD2	Chengdu	63.07	286	P	P	22 09 55.4	-1.0
M61A	comp=Z,50nm,0.5s	63.07	57	P	P	22 09 56.6	+0.4
Z52A	Williamson	63.08	70	P	P	22 09 55.5	-0.9
Y53A	Monroe	63.08	69	P	P	22 09 55.7	-0.7
BRVK	Borovoye	63.10	323	eP	P	22 09 56.6	+0.3
BRVK	Borovoye	63.10	323	iP	P	22 09 55.9	-0.3
U56A	King	63.10	65	P	P	22 09 56.6	+0.1
PAL	Palisades	63.22	57	P	P	22 09 57.5	+0.3
350A	Dozier	63.23	73	P	P	22 09 56.9	-0.5
SVE	Sverdlovsk	63.26	331	eP	P	22 09 57.8	+0.6

comp=Z,26nm,0.8s							
T57A	Hurt	63.26	64	P	P	22 09 57.6	0.0
X54A	Belton	63.27	68	P	P	22 09 57.4	-0.3
251A	Midway	63.29	71	P	P	22 09 57.1	-0.7
R58B	Mineral	63.31	62	P	P	22 09 57.8	-0.1
HRV	Adam Dzewonsk	63.32	55	P	P	22 09 57.8	-0.1
V56A	Mocksville	63.42	65	P	P	22 09 58.6	0.0
KMCS	King Mountain	63.43	66	P	P	22 09 58.5	-0.2
GOGA	Godfrey						

PRVC	Isla de Provid	24.03 344	eP	P	22 40 44.3 -0.0
TRN	Trinidad (W)	24.18 33	eP	P	22 40 51.1 +1.5
TRN	Trinidad (W)	24.18 33	eS	S	22 44 56.3 -2.5
TRCB	Terra Rica	24.61 124	eP	P	22 40 54.7 +1.2
TOSP	Speyside	25.19 34	eP	P	22 41 01.8 +3.0
TOSP	Speyside	25.19 34	eS	S	22 44 58.4 -1.6
GRGR	Grenville	25.30 31	eP	P	22 41 00.2 +0.4
	comp=Z,471nm,0.7s				
GRHS	Sauteurs	25.39 31	eP	P	22 41 02.0 +1.4
GRSS	Sisters	25.46 31	eP	P	22 41 02.7 +1.4
ESTN	Estel	25.64 333	eP	P	22 41 04.0 +1.1
	comp=Z,100nm,1.3s				
PTBG	Pitanga	26.01 128	eP	P	22 41 06.8 +0.6
MDP	Montagnes des	26.38 57	eP	P	22 41 09.4 -0.2
	comp=Z,6.6nm,0.4s,baz=239,slow=7.5,SNR=10				
	LR				22 53 21.0
SVB	Belmont	26.48 30	eP	P	22 41 09.1 -1.3
BDFB	Brasilia	26.49 105	eP	P	22 41 11.5 +0.8
	comp=Z,7.9nm,0.5s,baz=267,slow=1.2,SNR=13				
	LR				22 53 28.8
BDFB	Brasilia	26.49 105	eP	P	22 41 11.5 +0.8
BDFB	Brasilia	26.49 105	eP	P	22 41 12.3 +1.5
SVCV	St. Vincent, C	26.53 30	eP	P	22 41 09.9 -0.9
SVV	Souffier Volc	26.53 30	eP	P	22 41 11.9 +1.0
SSV	Crater Summit	26.55 30	eP	P	22 41 12.5 +1.3
TGUH	Tegucigalpa,Un	26.89 332	eP	P	22 41 15.1 +0.9
	comp=Z,36nm,1.1s				
MCLT	Moule a Chique	27.00 30	eP	P	22 41 04.7 -1.0
SLB	Selford	27.05 30	eP	P	22 41 17.1 +1.5
SLBI	Saint Lucia, B	27.25 30	eP	P	22 41 16.4 -1.0
BB19B	Bebedouro	27.40 117	eP	P	22 41 19.1 +0.4
FDJ	Fort de France	27.78 29	eP	P	22 41 20.3 -1.8
MTDJ	Mount Denham	28.04 354	eP	P	22 41 23.8 -0.6
	comp=Z,142nm,1.1s				
DWS	Wesley	28.44 28	eP	pP	22 41 58.2 +2.9
DWS	Wesley	28.44 28	eP	pP	22 41 58.2 +2.9
RCLB	Rio Claro- Sao	28.74 119	eP	P	22 41 31.3 +0.6
SDDR	Preso de Saban	28.81 6	eP	P	22 41 28.1 -3.1
	comp=Z,15nm,1.3s				
SJG	San Juan	28.98 17	eP	P	22 41 33.2 +0.6
SJG	San Juan	28.98 17	eP	P	22 41 30.6 -2.0
	comp=Z,97nm,0.8s				
SJG	San Juan	28.98 17	eP	P	22 41 32.8 +0.2
MLYT	Lee's Yard	29.07 25	eP	P	22 41 29.4 -4.1
HUMP	Col San Antoni	29.09 17	eP	P	22 41 32.0 -1.6
	comp=Z,41nm,0.6s				
NVBH	Bath Hotel, Ne	29.26 24	eP	P	22 41 38.3 +3.2
SPB	Sao Paulo	29.27 121	eP	P	22 41 34.6 -0.6
	comp=Z,47nm,0.9s				
SPB	Sao Paulo	29.27 121	eP	P	22 41 35.4 +0.2
APG	El Apazole	29.29 327	eP	P	22 41 37.2 +1.5
	comp=Z,44nm,0.8s,baz=111,slow=5.8,SNR=39				
SKI	Saint Kitts	29.41 23	eP	P	22 41 39.0 +2.5
SEUS	St. Eustatius	29.46 23	eP	P	22 41 39.1 +2.2
SABA	Saba	29.47 22	eP	pP	22 42 08.8 +4.1
SABA	Saba	29.47 22	eP	pP	22 42 08.8 +4.1
CBCY	The Bluff, Cay	29.83 350	eP	P	22 41 37.4 -2.7
	comp=Z,167nm,0.9s				
ANWB	Willby Bob	30.09 25	eS	S	22 46 24.8 -7.0
BSCB	Bom Sucesso	30.71 115	eP	P	22 41 48.5 +0.5
CCIG	Comitan	31.25 326	eP	P	22 41 53.0 0.0
	comp=Z,19nm,1.0s				
TEIG	Tepeich	32.79 336	eP	P	22 42 07.0 +0.9
	comp=Z,139nm,0.9s				
SJMB	Sao Joao De Ma	33.45 109	eP	P	22 42 12.3 +0.2
CMIG	Matias Romero	33.47 323	eP	P	22 42 13.3 +1.2
	comp=Z,14nm,0.8s,baz=171,slow=5.8,SNR=39				
BSFB	Barras de Sao F	33.79 103	eP	P	22 42 15.7 +0.7
ALF01	Guarapari-ES	34.27 112	eP	P	22 42 19.0 -0.1
RIB01	Linhares ES	34.30 110	eP	P	22 42 19.6 +0.2
062Z	Marathon	34.93 350	eP	P	22 42 26.4 +1.8
	baz=169				
061Z	Ochopoi	36.02 350	eP	P	22 42 35.6 +1.8
	baz=170				
TLIG	Tiapa	36.12 319	eP	P	22 42 34.9 -0.1
	comp=Z,20nm,1.2s				
060Z	West Jim Beas	36.49 351	eP	P	22 42 38.9 +1.0
	baz=170				
059Z	Ave Maria	36.57 350	eP	P	22 42 40.0 +1.4
060A	Indiantown	37.08 351	eP	P	22 42 44.3 +1.4
	baz=171				
059A	Moore Haven	37.14 350	eP	P	22 42 44.5 +1.2
	baz=169				
058A	Arcadia	37.34 349	eP	P	22 42 45.8 +0.8
	baz=168,SNR=5.4				
959A	Okeechobee	37.64 351	eP	P	22 42 49.1 +1.5
	baz=170				
958A	Wauchula	37.85 350	eP	P	22 42 50.3 +1.0
	baz=169				
957A	Wimauma	38.02 349	eP	P	22 42 51.7 +0.9
	baz=168				
859A	Kempfer Cattle	38.17 351	eP	P	22 42 53.3 +1.3
	baz=170,SNR=8.4				
DWPF	Disney Wildern	38.30 350	eP	P	22 42 54.2 +1.1
	baz=169				
858A	St. Cloud	38.39 350	eP	P	22 42 54.7 +0.8
	baz=169				
857A	Zephyrhills	38.60 349	eP	P	22 42 56.1 +0.5
	baz=168				
758A	Lake Helen	39.10 351	eP	P	22 43 00.4 +0.6
	baz=170				
757A	Oxford	39.23 350	eP	P	22 43 01.4 +0.5
	baz=168				
658A	Bunnell	39.56 351	eP	P	22 43 04.6 +1.0
	baz=170				
656A	Williston	39.73 349	eP	P	22 43 05.7 +0.7
	baz=168				
657A	Winterlachen	39.82 350	eP	P	22 43 05.5 +0.7
	baz=169				
655A	Horseshoe Beac	40.01 348	eP	P	22 43 07.9 +0.6
	baz=167				
557A	Orange Park	40.22 350	eP	P	22 43 09.8 +0.8
	baz=169				
556A	Lake Butler	40.32 349	eP	P	22 43 10.4 +0.5
	baz=168				
555A	McAlpin	40.54 349	eP	P	22 43 12.3 +0.6
	baz=167				
554A	Perry	40.65 348	eP	P	22 43 13.2 +0.6
	baz=166				
457A	Yulee	40.78 351	eP	P	22 43 13.9 +0.3
	baz=170				
553A	Crawfordville	40.91 347	eP	P	22 43 15.2 +0.5
	baz=165				
456A	Hilliard	40.96 350	eP	P	22 43 15.6 +0.4
	baz=169				
552A	Lynn Haven	41.06 346	eP	P	22 43 16.2 +0.2
	baz=164				
455A	Stateville	41.16 349	eP	P	22 43 16.9 +0.1
	baz=167				
454A	Quitman	41.25 348	eP	P	22 43 18.1 +0.6
	baz=166				
453A	Whigham	41.53 347	eP	P	22 43 20.2 +0.4
	baz=166				
357A	Townsend	41.56 351	eP	P	22 43 20.5 +0.5
	baz=170				
356A	Blackshear	41.56 350	eP	P	22 43 20.8 +0.7
	baz=169				
451A	Vernon	41.63 345	eP	P	22 43 21.2 +0.6
	baz=164				
355A	Pearson	41.71 349	eP	P	22 43 21.5 +0.3
	baz=168				
452A	Marianna	41.72 346	eP	P	22 43 21.7 +0.4
	baz=164				
TIGA	Tifton	41.94 348	eP	P	22 43 23.1 0.0
	baz=167				
353A	Camilla	41.98 348	eP	P	22 43 23.3 -0.1
	baz=166				
450A	Crestview	42.03 344	eP	P	22 43 24.3 +0.4
	baz=162				
257A	Skidaway Islan	42.03 352	eP	P	22 43 24.0 +0.2
	baz=171				
454A	Pace	42.16 344	eP	P	22 43 25.3 +0.4
	baz=161				
246A	Glennville	42.17 351	eP	P	22 43 25.4 +0.5
	baz=169				
255A	Hazlehurst	42.21 350	eP	P	22 43 25.5 +0.2
	baz=168				
351A	Pinckard	42.23 346	eP	P	22 43 26.2 +0.8
	baz=164				
352A	Blakely	42.27 347	eP	P	22 43 25.8 0.0
	baz=163				
254A	Abbeville	42.38 349	eP	P	22 43 26.9 +0.2

ZAIG	baz=167,SNR=6.6	42.47 320	eP	P	22 43 30.2 +2.3
	Zacatecas				
	comp=Z,44nm,1.6s				
350A	Brewton	42.50 344	eP	P	22 43 26.9 -0.8
	baz=162				
BRAL	Dozier	42.55 345	eP	P	22 43 28.0 0.0
	baz=163				
253A	Americus	42.66 348	eP	P	22 43 28.7 -0.2
	baz=165				
158A	Hollywood	42.67 353	eP	P	22 43 29.7 +0.7
	baz=172				
349A	Repton	42.71 344	eP	P	22 43 29.7 +0.4
	baz=162,SNR=8.2				
157A	Early Branch	42.72 352	eP	P	22 43 30.1 +0.7
	baz=171				
252A	Lumpkin	42.72 347	eP	P	22 43 29.3 -0.1
	baz=165				
156A	Sylvania	42.77 351	eP	P	22 43 30.4 +0.6
	baz=170				
155A	Kite	42.89 350	eP	P	22 43 31.4 +0.6
	baz=169,SNR=7.8				
251A	Midway	42.97 346	eP	P	22 43 31.2 -0.2
	baz=164				
154A	Montrose	42.99 349	eP	P	22 43 31.9 +0.3
	baz=168,SNR=11				
BBSR	BB Station	43.01 12	eP	P	22 43 31.4 -0.3
	comp=Z,44nm,0.9s				
NHSC	New Hope	43.04 353	eP	P	22 43 33.0 +1.1
	baz=172,SNR=7.2				
250A	Grady	43.06 345	eP	P	22 43 32.0 -0.2
	baz=164				
259A	Georgetown, SC	43.07 354	eP	P	22 43 33.4 +1.1
	baz=173				
153A	Fort Valley	43.16 349	eP	P	22 43 32.9 -0.1
	baz=167				
Z58A	St. Stephen	43.22 354	eP	P	22 43 34.3 +0.9
	baz=163,SNR=6.4				
249A	Camden	43.28 344	eP	P	22 43 34.1 +0.2
	baz=162,SNR=10				
Z57A	Bowman	43.29 352	eP	P	22 43 33.8 -0.2
	baz=171				
151A	Opelika	43.36 347	eP	P	22 43 34.2 -0.5
	baz=165,SNR=5.2				
152A	Waverly Hall	43.37 347	eP	P	22 43 34.1 -0.5
	baz=165,SNR=13				
Z56A	Williston	43.41 352	eP	P	22 43 35.5 +0.6
	baz=170				
Z55A	Blythe	43.42 351	eP	P	22 43 35.5 +0.4
	baz=169				
Z54A	Spaulding	43.55 350	eP	P	22 43 36.1 0.0
	baz=168				
150A	Eclectic	43.60 346	eP	P	22 43 36.2 -0.4
	baz=164,SNR=12				
Z53A	Monticello	43.73 349	eP	P	22 43 37.4 -0.1
	baz=167,SNR=14				
Y60A	Bolivia	43.73 356	eP	P	22 43 37.9 +0.4
	baz=175,SNR=6.1				
Y58A	Scranton	43.77 354	eP	P	22 43 38.4 +0.6
	baz=173				
Y59A	Loris	43.77 355	eP	P	22 43 37.8 -0.1
	baz=174				
149A	Jones	43.78 345	eP	P	22 43 37.3 -0.7
	baz=163,SNR=13				
Z52A	Williamson	43.80 348	eP	P	22 43 37.9 -0.2
	baz=166,SNR=23				
Y50A	Godfrey	43.84 349			

R57A	Stanardsville	48.02 356	P	P	22 44 11.9 +0.8
R54A	Victor	48.14 353	P	P	22 44 12.3 +0.2
R55A	Marlinton	48.15 354	eP	PcP	22 44 12.7 +0.5
R55A	Marlinton	48.15 354	ePcP	PcP	22 45 37.0 -0.7
S50A	Richmond	48.16 349	P	P	22 44 11.7 -0.5
R56A	Bull Pasture M	48.20 355	P	P	22 44 13.2 +0.5
T46A	Princeton	48.28 346	P	P	22 44 11.9 -1.3
W39A	Magazine	48.34 339	P	P	22 44 14.0 +0.4
R53A	Hurricane	48.41 352	P	P	22 44 13.7 -0.4
S49A	Springfield	48.42 349	P	P	22 44 13.3 -1.0
T45A	Paducah	48.45 345	P	P	22 44 12.8 -1.7
S48A	Wiedeman Farm,	48.46 348	P	P	22 44 13.2 -1.3
Q61A	Milford	48.47 359	P	P	22 44 15.5 +1.0
Q59A	Harwood	48.48 358	P	P	22 44 15.7 +1.0
R52A	Catlettsburg	48.51 351	P	P	22 44 14.3 -0.7
ABTX	Ablene, Hawle	48.54 331	P	P	22 44 15.9 +0.6
S47A	Hartford	48.57 347	P	P	22 44 14.0 -1.4
Q60A	Greensboro	48.60 359	P	P	22 44 16.7 +1.2
Q58A	Fox Den Farm,	48.61 357	P	P	22 44 16.5 +0.9
R51A	Hillsboro	48.62 351	P	P	22 44 15.4 -0.3
R50A	Paris	48.73 350	P	P	22 44 16.1 -0.5
Q57A	Strasburg	48.75 356	P	P	22 44 17.9 +1.1
Q56A	Gnyder Ridge	48.81 355	P	P	22 44 18.4 +1.1
Q55A	Buckhannon	48.85 354	P	P	22 44 18.5 +1.0
S46A	Don Dixon Farm	48.85 346	P	P	22 44 16.2 -1.3
Q53A	Leroy	48.88 353	P	P	22 44 17.7 0.0
R49A	Shelbyville	48.89 349	P	P	22 44 17.1 -0.7
Q54A	Coxs Mills	48.92 353	P	P	22 44 18.1 +0.1
WCI	Wyandotte Cave	49.06 348	eP	P	22 44 18.3 -0.8
WCI	Wyandotte Cave	49.06 348	eP	P	22 44 18.3 -0.8
WCI	Wyandotte Cave	49.06 348	eP	P	22 44 18.1 -1.0
U40A	Yellville	49.07 340	P	P	22 44 18.7 -0.5
Q52A	Bidwell	49.07 352	P	P	22 44 18.7 -0.5
R48A	Northridge Ran	49.13 348	P	P	22 44 18.7 -0.9
P58A	Pank, Wackers	49.14 357	P	P	22 44 20.6 +1.0
P57A	Homestead Farm	49.17 356	P	P	22 44 21.2 +1.3
Q50A	Georgetown	49.22 350	P	P	22 44 19.6 -0.7
P59A	Jarrettsville	49.22 358	P	P	22 44 21.4 +1.1
S44A	Carbondale	49.24 345	P	P	22 44 19.4 -1.1
P56A	Dayton Farm, R	49.25 360	P	P	22 44 21.3 +0.8
P61A	Hampton	49.25 360	P	P	22 44 21.3 +0.8
Q51A	Peebles	49.29 351	P	P	22 44 20.3 -0.6
P55A	Reedsville	49.33 355	P	P	22 44 21.5 +0.3
P60A	Greenville	49.40 359	P	P	22 44 22.5 +0.8
P53A	Whipple	49.48 353	P	P	22 44 22.4 +0.1
MCWV	Mont Chateau	49.48 355	P	P	22 44 22.6 +0.3
Q49A	Auron	49.53 349	P	P	22 44 21.8 -0.8
Q48A	North Vernon	49.62 349	P	P	22 44 22.4 -1.0
Q61A	Allentown	49.67 360	P	P	22 44 24.2 +0.5
P51A	Williamsport	49.70 351	P	P	22 44 23.4 -0.5
P52A	Corning	49.72 352	P	P	22 44 23.5 -0.5
TUL1	Leonard	49.72 337	P	P	22 44 24.3 +0.2
O58A	Lewisberry	49.75 358	P	P	22 44 25.5 +1.2
O57A	Amberson	49.87 357	P	P	22 44 26.4 +1.2
O60A	Telford	49.90 359	P	P	22 44 26.5 +1.0
O59A	Robesonia	49.91 358	P	P	22 44 26.6 +1.0
WMOK	Wichita Mounta	49.92 334	P	P	22 44 25.5 -0.3
P50A	Jamestown	49.94 351	P	P	22 44 24.9 -0.8
O55A	Ligonier	49.98 355	P	P	22 44 26.6 +0.5
O56A	Blue Knob Stat	49.99 356	P	P	22 44 27.0 +0.9
P49A	Miami Univ, Ec	50.02 350	P	P	22 44 25.1 -1.2
O54A	Avella	50.05 354	P	P	22 44 26.5 -0.2
P48A	Milroy	50.07 349	P	P	22 44 25.6 -1.1
CCM	Cathedral Cave	50.13 343	eP	P	22 44 26.3 -1.0
CCM	Cathedral Cave	50.13 343	eP	P	22 45 43.9 -1.0
CCM	Cathedral Cave	50.13 343	eP	P	22 45 43.9 -1.0
CCM	Cathedral Cave	50.13 343	eP	P	22 44 26.0 -1.2
O52A	Adamsville	50.15 353	P	P	22 44 26.9 -0.5
O53A	New Philadelph	50.21 353	P	P	22 44 27.4 -0.4
P47A	Martinsville	50.26 348	P	P	22 44 27.2 -1.0
O51A	Patasakala	50.28 352	P	P	22 44 27.5 -0.9
SSPA	Standing Stone	50.31 357	eP	P	22 44 29.0 +0.5
SSPA	Standing Stone	50.31 357	ePcP	PcP	22 45 44.8 -0.7
SSPA	Standing Stone	50.31 357	ePcP	PcP	22 44 29.2 +0.7
N57A	Milroy	50.41 357	P	P	22 44 29.7 +0.4
ACSO	Alum Creek Sta	50.42 352	P	P	22 44 28.8 -0.6
O50A	Cable	50.43 351	P	P	22 44 28.7 -0.8
N60A	Cedar Hill Far	50.45 359	P	P	22 44 30.2 +0.6
N58A	Sunbury	50.46 358	P	P	22 44 30.5 +0.9
N59A	State Game Lan	50.51 359	P	P	22 44 31.2 +1.2
N55A	Marion Center	50.53 356	P	P	22 44 30.6 +0.5
P46A	Rosedale	50.59 347	P	P	22 44 29.5 -1.1
PAL	Palisades	50.59 1 eP	P	P	22 44 31.6 +1.0

PAL	Palisades	50.59 1 eP	P	P	22 44 31.6 +1.0
PAL	Palisades	50.59 1 eP	P	P	22 44 31.6 +1.0
comp=Z,64nm,0.9s					
049A	Covington	50.59 350	P	P	22 44 29.7 -0.9
N56A	West Decatur	50.61 356	P	P	22 44 31.4 +0.6
N53A	Palisades	50.72 354	P	P	22 44 31.5 -0.1
MNTX	Cornudas Mount	50.76 326	P	P	22 44 31.9 -0.3
N54A	Alone State	50.79 355	P	P	22 44 32.6 +0.5
O48A	Farmland	50.80 350	P	P	22 44 31.2 -1.0
N52A	McGinn's Farm,	50.82 353	P	P	22 44 31.0 -1.4
M61A	Granite Spring	50.89 1 P	P	P	22 44 33.2 +0.4
N50A	Nevada	50.97 352	P	P	22 44 32.7 -0.8
M58A	Price's Panora	50.98 358	P	P	22 44 34.9 +1.3
N51A	Ashland	51.01 352	P	P	22 44 33.0 -0.8
M59A	Warner	51.12 359	P	P	22 44 35.7 +1.1
P43A	Skaggs, Pawnee	51.15 345	P	P	22 44 34.1 -0.7
MSTX	Muleshoe	51.16 330	P	P	22 44 35.0 -0.2
M56A	Emporium	51.17 356	P	P	22 44 35.3 +0.3
M55A	Ridgway	51.19 356	P	P	22 44 35.4 +0.2
M65A	Busby, Falmout	51.27 4 P	P	P	22 44 35.7 +0.1
N49A	Columbus Grove	51.28 351	P	P	22 44 35.0 -0.8
SFIN	Lafayette	51.29 348	P	P	22 44 34.3 -1.6
M54A	Oil Creek Stat	51.30 355	P	P	22 44 36.0 0.0
M53A	WJ Miller and	51.33 354	P	P	22 44 35.7 -0.4
N48A	Decatur	51.36 350	P	P	22 44 35.1 -1.2
AMTX	Amarillo	51.36 331	P	P	22 44 36.4 -0.2
O44A	Mansfield	51.38 346	P	P	22 44 35.1 -1.4
M51A	Elyria	51.40 353	P	P	22 44 36.0 -0.6
N47A	Urbana	51.50 349	P	P	22 44 36.1 -1.3
M52A	Chesterland	51.50 353	P	P	22 44 36.5 -0.9
M50A	Fremont	51.58 352	P	P	22 44 37.2 -0.8
L58A	Harry Jones Me	51.64 359	P	P	22 44 39.6 +1.2
M49A	Liberty Center	51.79 351	P	P	22 44 38.9 -0.7
BINY	Binghamton	51.79 359	P	P	22 44 40.7 +1.1
L53A	Girard	51.80 355	P	P	22 44 39.5 -0.1
PLIO	Pelee Island,	51.86 352	P	P	22 44 39.2 -0.8
L55A	Hinsdale	51.88 356	P	P	22 44 40.7 +0.4
M48A	Edgerton	51.91 350	P	P	22 44 39.1 -1.4
ERPA	Erie	51.94 355	P	P	22 44 40.5 -0.1
M47A	Cromwell	51.95 349	P	P	22 44 39.6 -1.1
HDIL	Hopedale	51.96 346	P	P	22 44 39.5 -1.3
L54A	Sinclairville	52.00 355	P	P	22 44 41.5 +0.4
HRV	Adam Dzewonski	52.16 3 eP	P	P	22 44 43.6 +1.4
HRV	Adam Dzewonski	52.16 3 eP	P	P	22 44 43.6 +1.4
HRV	Adam Dzewonski	52.16 3 P	P	P	22 44 43.1 +0.8
L50A	Kingsville	52.18 352	P	P	22 44 41.2 -1.2
L48A	N Adams	52.32 351	P	P	22 44 42.1 -1.4
K54A	Basko Farm,	52.33 356	P	P	22 44 44.0 +0.5
L49A	Milan	52.38 351	P	P	22 44 43.3 -0.6
K55A	Perry	52.40 357	P	P	22 44 44.5 +0.4
M44A	Midewin, Midew	52.46 347	P	P	22 44 42.6 -1.9
L47A	Sherwood	52.48 350	P	P	22 44 43.2 -1.4
N41A	Harden Midland	52.50 344	P	P	22 44 43.7 -1.1
AAM	Ann Arbor	52.55 351	P	P	22 44 44.4 -0.8
K52A	Tillamook	52.66 354	P	P	22 44 45.4 -0.6
K51A	Iona Station	52.69 354	P	P	22 44 45.2 -0.9
L46A	Eue Claire	52.71 349	P	P	22 44 44.4 -1.9
121A	Cookes Peak, D	52.74 324	P	P	22 44 47.9 +0.9
KSU1	Kansas State U	52.84 338	P	P	22 44 47.1 -0.3
N40A	Mertquake, Sal	52.86 344	P	P	22 44 46.1 -1.3
MEDO	Medina	52.86 356	P	P	22 44 47.6 +0.1
K50A	Casco	52.87 353	P	P	22 44 46.2 -1.3
TYNO	Tyneside	52.90 355	P	P	22 44 47.4 -0.2
J55A	Hill	52.93 357	P	P	22 44 48.2 +0.3
STCO	Saint Catharin	52.95 356	P	P	22 44 48.1 0.0
J54A	Appleton	52.98 356	P	P	22 44 48.3 0.0
K49A	Clarkson	52.99 352	P	P	22 44 47.1 -1.3
M41A	Milan	53.04 345	P	P	22 44 47.6 -1.2
J52A	Paris	53.09 355	P	P	22 44 48.7 -0.5
K48A	Perry	53.11 351	P	P	22 44 47.8 -1.4
K47A	Vermontville	53.12 350	P	P	22 44 47.6 -1.7
L44A	Lake County Fo	53.19 348	P	P	22 44 48.2 -1.7
K46A	Dot	53.27 350	P	P	22 44 48.8 -1.6
TORO	Toronto-Lesli	53.37 356	P	P	22 44 50.7 -0.4
Y22D	IRIS PASCAL I	53.40 326	P	P	22 44 52.6 +0.8
L42A	Oliver, Polo	53.42 346	P	P	22 44 50.2 -1.4
ACTO	Action	53.42 355	P	P	22 44 51.0 -0.6
J48A	Marlette	53.51 352	P	P	22 44 50.8 -1.4
PECO	Prince Edward	53.56 358	P	P	22 44 52.7 +0.2
DRWO	Darlington Wes	53.58 356	P	P	22 44 52.6 -0.1
DRCO	St Marys Geme	53.59 356	P	P	22 44 52.5 -0.2
I53A	Kortright Cn E	53.60 355	P	P	22 44 52.2 -0.6
WLVO	Wesleyville	53.62 357	P	P	22 44 53.0 +0.1

J47A	Summer	53.64 351	P	P	22 44 52.0 -1.1
PKRO	Pickering	53.70 356	P	P	22 44 53.3 -0.2
I51A	Listowel	53.70 354	P	P	22 44 52.8 -0.8
K43A	Burlington	53.78 347	eP	P	22 4

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D53A	Lac Vachiv, Po	56.73	357	P	P	22 45 15.4 +0.2
D54A	Lac Fusel, La	56.76	358	P	P	22 45 15.4 -0.1
D51A	Lot 18 Range I	56.83	356	P	P	22 45 15.1 -0.9
G39A	Holcombe	56.88	346	P	P	22 45 15.4 -1.0
WUJAZ	Wupakti	56.95	324	P	P	22 45 18.2 +0.9
ECSD	EROS Data Cent	56.97	341	P	P	22 45 16.2 -0.8
LATQ	La Tuque	56.98	1	P	P	22 45 17.9 +0.9
E43A	Lone Tree Farm	57.05	350	P	P	22 45 16.2 -1.3
D46A	Sault St. Mari	57.10	352	P	P	22 45 16.3 -1.6
E44A	Grand Marais A	57.11	351	P	P	22 45 17.2 -0.8
D48A	Paudash Townsh	57.12	354	P	P	22 45 16.9 -1.1
D47A	Chapleau	57.15	353	P	P	22 45 16.7 -1.5
D49A	Beulah Townshi	57.17	354	P	P	22 45 17.0 -1.3
ISCO	Idaho Springs	57.17	332	P	P	22 45 19.2 +0.3
SPMN	Marine on St.	57.23	345	P	P	22 45 17.8 -0.9
GLA	Glamis	57.37	320	eP	P	22 45 20.8 +0.7
GLA	Glamis	57.37	320	eP	P	22 45 20.8 +0.7
GLA	Glamis	57.37	320	P	P	22 45 20.7 +0.6
Y12C	Blythe	57.63	321	P	P	22 45 22.8 +0.9
PDWC	Parker Dam, Lak	57.77	321	P	P	22 45 23.4 +0.6
SWSC	Sam W. Stewart	57.92	319	P	P	22 45 24.7 +0.8
IKP	In-Ko-Pah, Jac	57.93	319	P	P	22 45 24.9 +0.8
D41A	Chassel	58.00	349	P	P	22 45 23.3 -0.9
BC3	Big Chuckawall	58.16	320	P	P	22 45 26.3 +0.6
N23A	Red Feather La	58.20	332	P	P	22 45 26.3 +0.3
E38A	The Farm, Brul	58.21	346	P	P	22 45 24.6 -1.0
IRM	Iron Mountain	58.29	321	P	P	22 45 27.4 +0.9
MONP2	Monument Peak	58.29	319	P	P	22 45 26.8 +0.1
SUSD	Milner	58.37	340	P	P	22 45 26.2 -0.7
LSQO	Lelber-sur-Quev	58.47	358	P	P	22 45 28.7 -0.1
O20A	White River Ci	58.69	330	P	P	22 45 29.8 +0.4
BELC	Belle Mtn, Jos	58.73	320	P	P	22 45 30.3 +0.6
109C	Camp Elliot, M	58.73	318	P	P	22 45 30.4 +0.9
PFO	Pinyon Flats O	58.77	319	eP	P	22 45 30.5 +0.6
PFO	Pinyon Flats O	58.77	319	eP	P	22 45 30.5 +0.6
PFO	Pinyon Flats O	58.77	319	P	P	22 45 30.8 +0.9
C40A	Isle Royale Na	58.94	349	P	P	22 45 29.9 -0.7
GMRC	Granite Mounta	59.02	321	P	P	22 45 32.5 +0.9
MURC	Murrieta	59.24	319	P	P	22 45 33.7 +0.6
EYMN	Ely	59.46	347	P	P	22 45 33.2 -1.1
HEC	Hector, Ludlow	59.47	320	P	P	22 45 35.6 +0.9
CHGQ	Chibougamau	59.49	0	P	P	22 45 34.6 +0.2
TUQ	Turquoise Moun	59.61	321	P	P	22 45 36.1 +0.4
SC12	San Clemente I	59.74	317	P	P	22 45 37.0 +0.5
K22A	Casper	59.86	333	eP	P	22 45 37.0 -0.4
K22A	Casper	59.86	333	P	P	22 46 20.6 -1.6
CIS	Catalina Islan	59.91	318	P	P	22 45 37.2 -0.5
RRX	Edison Barstow	59.92	320	P	P	22 45 38.7 +1.0
BFSC	Mount Baldy R	59.94	319	P	P	22 45 38.4 +0.4
RSSD	Black Hills	60.00	336	eP	P	22 45 39.2 +0.9
RSSD	Black Hills	60.00	336	eP	P	22 45 39.2 +0.9
RSSD	Black Hills	60.00	336	P	P	22 45 38.6 +0.3
GSC	Goldstone, Bar	60.07	321	P	P	22 45 39.3 +0.5
SHOC	Shoshone, Teco	60.13	321	P	P	22 45 39.9 +0.8
MWC	Mount Wilson	60.19	319	eP	P	22 45 40.8 +1.0
MWC	Mount Wilson	60.19	319	eP	P	22 45 40.8 +1.0
DECO	Green Verdugo	60.38	319	P	P	22 45 41.6 +0.7
EDW2	Edwards Air Fo	60.56	320	P	P	22 45 42.5 +0.4
SNCC	San Nicolas Is	60.56	317	P	P	22 45 43.3 +1.1
LRMC	Laurel Mtn Rad	60.74	320	P	P	22 45 44.3 +0.9
BLG	Laguna Peak, P	60.77	318	P	P	22 45 44.1 +0.6
TPNV	Topopah Spring	60.80	322	P	P	22 45 44.8 +1.0
FURC	Furnace Creek,	60.86	322	P	P	22 45 44.7 +0.7
OISR	Osito Audit, C	60.86	319	P	P	22 45 44.8 +0.6
AGMN	Agassiz Nation	60.88	344	P	P	22 45 43.4 -0.5
MPMC	Manzanar Inspec	60.98	321	P	P	22 45 45.5 +0.3
DUG	Dugway, Toeole	61.08	327	P	P	22 45 46.4 +0.8
ARVC	Arvin	61.25	319	P	P	22 45 48.0 +1.3
BW06	Boulder Array	61.34	331	P	P	22 45 47.0 -0.5
PDAR	Pinedale Array	61.34	331	P	P	22 45 47.0 -0.4
PDAR	Pinedale Array	61.34	331	P	P	22 46 28.8 +0.2
R11A	Troy Canyon, C	61.34	324	P	P	22 45 48.6 +1.1
ISA	Isabella, Lake	61.35	320	eP	P	22 45 48.4 +0.9
ISA	Isabella, Lake	61.35	320	eP	P	22 45 48.4 +0.9
ISA	Isabella, Lake	61.35	320	P	P	22 45 48.2 +0.8
SBC	Santa Barbara	61.40	318	P	P	22 45 47.6 -0.2
GRAC	Grapevine Rang	61.51	322	P	P	22 45 49.4 +0.9
MDND	Maddock	61.58	341	P	P	22 45 49.3 +0.6
PWC	Cottonwood Cre	61.59	321	P	P	22 45 49.8 +0.6
KCM	Mcperson Peak	61.74	318	P	P	22 45 50.2 0.0
VES	Vestal, Richgr	61.85	320	P	P	22 45 51.5 +0.8

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TIN	Tinemaha, Big	62.08	321	P	P	22 45 53.1 +0.8
SMMC	Simmler	62.12	319	P	P	22 45 53.8 +1.2
VOG	Valley Oaks Go	62.34	320	P	P	22 45 53.5 -0.5
ULM	Lac du Bonnet	62.66	345	P	P	22 45 55.2 -0.6
MLAC	Mammoth, Mammo	62.82	321	P	P	22 45 58.0 +0.6
LAO	LASA Array	62.98	336	P	P	22 45 58.2 +0.1
NVAR	Mina Array Bea	63.00	322	P	P	22 45 59.0 +0.4
RLMT	Red Lodge	63.02	333	P	P	22 45 58.5 -0.1
H17A	Grant Village	63.06	332	P	P	22 45 59.9 +0.9
DGMT	Dagmar	63.69	338	P	P	22 46 03.3 +0.6
SAO	San Andreas Ge	63.92	319	eP	P	22 46 02.6 -1.8
SAO	San Andreas Ge	63.92	319	eP	P	22 46 02.6 -1.8
HLID	Hailey	64.32	329	P	P	22 46 07.8 +0.6
BOZ	Bozeman (W)	64.46	332	P	P	22 46 08.2 +0.3
TAOE	Nuku Hiva Isla	64.65	265	eLR	LR	23 05 44.0
SCHO	Schellville	64.75	5	P	P	22 46 09.5 +0.1
EGMT	Eagleton	64.90	335	P	P	22 46 14.5 0.0
CMLA	Cha da Macela	65.87	41	eP	P	22 46 18.1 +1.1
CMLA	Cha da Macela	65.87	41	eP	P	22 46 18.1 +1.1
O03E	Payson Creek	66.28	322	P	P	22 46 19.6 -0.1
MSO	Missoula	66.45	332	P	P	22 46 21.3 +0.6
O02D	Mc Diablo Mer	66.81	322	P	P	22 46 22.9 -0.2
M04C	Macdoel	67.22	323	P	P	22 46 26.2 +0.0
N02D	Trinity Center	67.24	322	P	P	22 46 24.5 -1.3
M02C	Callahan	67.58	323	P	P	22 46 27.7 -0.2
K04D	Chiloquin, OR	67.69	324	P	P	22 46 29.2 +0.5
L04D	Klamath Falls	67.76	324	P	P	22 46 29.3 +0.2
J05D	Fort Rock, OR	67.81	325	P	P	22 46 30.0 +0.6
J04D	Umpqua Nationa	68.28	325	P	P	22 46 33.1 +0.7
FFC	Flin Flon	68.34	343	eP	P	22 46 32.0 -0.2
FFC	Flin Flon	68.34	343	eP	P	22 46 32.0 -0.2
L02E	Cave Junction	68.49	323	P	P	22 46 34.2 +0.7
I05D	Terrebonne, OR	68.54	326	P	P	22 46 34.1 +0.3
I04A	Tendick Farm,	68.80	325	P	P	22 46 35.3 -0.1
K02D	Willamette Mer	68.85	323	P	P	22 46 36.1 +0.3
NEW	Newport	68.98	331	P	P	22 46 36.7 +0.3
G05D	Wamic, OR	69.10	327	P	P	22 46 38.6 +1.4
I03D	Drain, OR	69.27	324	P	P	22 46 39.9 +0.6
J01E	Myrtle Point	69.29	324	P	P	22 46 39.3 +0.9
H04D	Lebanon	69.43	325	P	P	22 46 40.5 +1.3
F05D	White Salmon	69.59	327	P	P	22 46 41.0 +0.9
COR	Corvallis	69.79	325	eP	P	22 46 39.9 -1.5
COR	Corvallis	69.79	325	eP	P	22 46 39.9 -1.5
I02D	Swishome	69.81	324	P	P	22 46 42.8 +1.3
G03D	McMinnville, O	71.15	326	P	P	22 46 44.7 +1.0
F04D	Rainier, OR	70.55	326	P	P	22 46 47.1 +1.1
E04D	Cinebar	70.61	327	P	P	22 46 47.2 +0.8
C06D	Leavenworth	70.61	329	P	P	22 46 46.9 +0.5
LIC	Lamo	71.05	80	eP	P	22 46 50.7 -1.1
D04E	Lakebay	71.11	327	P	P	22 46 50.4 +1.1
TIC	Toumodi	71.15	80	eP	P	22 46 50.5 +0.1
DBIC	Dimbokro	71.32	80	eP	P	22 46 51.5 +0.2
KIC	Kosan Boka	71.36	80	eP	P	22 46 51.7 +0.1
B05A	Bryant	71.45	329	P	P	22 46 51.4 0.0
D03D	Eldon	71.50	328	P	P	22 46 52.2 +0.5
A04D	Lummi Island	72.05	329	P	P	22 46 55.4 +0.4
TBI	Tubuai	72.39	249	eLR	LR	23 09 17.7
VNA3	Neumayer Olymp	72.79	162	P	P	22 47 00.2 +1.1
PPT2	Papeete	72.92	255	eLR	LR	23 09 37.2
VNA1	Neumayer-Stat	73.02	161	P	P	22 47 01.6 +1.2
VNA2	Neumayer-Watz	73.08	162	P	P	22 46 59.7 -2.9
SNA4	Sanea	75.00	162	eP	P	22 47 12.9 +0.9
SNA4	Sanea	75.00	162	eP	P	22 47 12.6 +0.6
SNA4	Sanea	75.00	162	eP	P	22 47 12.6 +0.6
TTIG	Tinine Tigouga,	75.01	55	P	P	22 47 16.0 +3.1
OUZM	OUZ	76.49	55	P	P	22 47 24.0 +2.7
PFVI	Vila Bisbo	77.17	48j	eP	P	22 47 26.8 +2.0
MORF	Marletele	77.37	48j	eP	P	22 47 28.1 +2.1
PTEO	Sao Teotonio	77.41	48j	eP	P	22 47 28.5 +2.4
ZHG	ZHG	77.47	53	P	P	22 47 29.0 +2.4
PMAFR	Mafr	77.56	46j	eP	P	22 47 28.2 +1.2
PNCL	Nicolau J	77.77	48j	eP	P	22 47 29.9 +1.8
PBDV	Barranco-do-Ve	77.88	49j	eP	P	22 47 31.1 +2.3
PCVE	Castro Verde	77.95	48j	eP	P	22 47 31.3 +2.2
PVAQ	Vaqueiros	78.10	48j	eP	P	22 47 31.9 +1.9
PVAQ	Vaqueiros	78.10	48	P	P	22 47 32.1 +2.2
ALMR	Almeirim	78.15	47j	eP	P	22 47 32.7 +2.5
GOLM	Goulmima	78.22	55	P	P	22 47 34.0 +3.1
PBEJ	Beja	78.22	48j	eP		

15d 22h

MOS 15 22:45:57.2,0.8,39.65N,142.15E,h66km,mb5.5/56, MS4.2/12, Error ellipse: s-maj=6.0km s-min=3.7km az=102.1

BUI 15 22:45:57.3,0.0,39.55N,142.03E,h71km,mb5.4/72, mB5.2/38,Ms4.3/62,Ms7.4,1/58

ISCJB 15 22:45:58.4,0.2,39.62N,142.19E,0.02,h77km,1km, mb5.2/165, Error ellipse: s-maj=2.8km s-min=2.0km az=41.4

JMA 15 22:45:58.7,0.1,39.60N,142.29E,h70km,1km,MS.1 Broadband fault plane solution: P waves. NP1: e213.00000, s75.00000, t-90.00000; N1: 90.00000, s15.00000, t-90.00000; Principal axes: T: 90.00000, Azm303.00000; N: P10.00000; Azm33.00000; P: P10.00000; Azm123.00000;

JMA Felt IV J1. IDC 15 22:45:58.1,0.7,39.58N,142.23E,h64km,5km,mb4.8/44, mb1.4/8.50,mb1mx4.8/58,mbtmp.5/150,MS4.0/27, Ms1.4,0.2/7,ms1mx3.8/44 Error ellipse: s-maj=11.4km s-min=7.9km az=89.0

ISC 15 22:45:57.8,0.3,39.62N,142.26E,0.03,h64km,2km, h64km:pP-p,1018, e1936/1095, mb5.2/184, 129C-3TD, Near east coast of eastern Honshu

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

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Main data table with columns: LAGR, comp, E, T, S, P, Smax, Smin, Az, Az, Op, ISC, h, m, s, ISC, Time, Res. Contains detailed seismic event data.

Table with columns: ZEA, comp, E, T, S, P, Smax, Smin, Az, Az, Op, ISC, h, m, s, ISC, Time, Res. Contains detailed seismic event data.

XAN	comp=Z,360nm,20.6s	LR	LR						
ENH	Enshi baza=318,slow=75,SNR=2069	28.31 261	eP	P	22 51 45.4	0.0			
IRK	irkutsk	28.93 309	eP	P	22 51 50.7	0.0			
IRK	comp=Z,110nm,2.0s			pmax	pmax				
H11N2	WAKE ISLAND Hy 29.01 126		T	T	23 22 32.3				
H11N1	WAKE ISLAND Hy 29.02 126		T	T	23 22 28.7				
H11N3	WAKE ISLAND Hy 29.03 126		T	T	23 22 28.7				
TLY	Talaya baza=318,slow=75,SNR=618	29.22 307	eP	P	22 51 54.0	+0.7			
TLY	Talaya comp=Z,14nm,0.7s,baz=130,slow=3.9,SNR=24	29.22 307	eP	P	22 51 54.0	+0.7			
TLY	Talaya	29.22 307	eP	P	22 51 54.1	+0.8			
TLY	comp=Z,183nm,1.0s			pmax	pmax				
TLY	Talaya SNR=33	29.22 307	eP	P	22 51 54.2	+1.0			
ZAK	Zakamensk	29.27 305	eP	P	22 51 54.2	+0.4			
ZAK	comp=Z,84nm,1.2s			pmax	pmax				
H11S1	WAKE ISLAND Hy 29.81 128		T	T	23 23 30.3				
H11S3	WAKE ISLAND Hy 29.81 128		T	T	23 23 35.4				
H11S2	WAKE ISLAND Hy 29.83 128		T	T	23 23 25.5				
LZH	Lanzhou	30.38 276	↑P	P	22 52 03.6	-0.3			
LZH	comp=Z,83nm,1.1s			pmax	pmax				
LZH	comp=Z,160nm,4.5s			LR	LR				
LZH	comp=Z,290nm,12.1s			LR	LR				
LZH	comp=Z,350nm,12.0s			LR	LR				
LZH	comp=Z,570nm,15.2s			LR	LR				
ADK	Adak	30.75 53	eP	P	22 52 07.3	+0.6			
ADK	Adak	30.75 53	eP	P	22 52 07.3	+0.6			
MOY	Mondy	30.85 307	eP	P	22 52 08.2	+0.4			
MOY	comp=Z,93nm,1.8s			pmax	pmax				
BILL	Bilbino	31.36 17	↑P	P	22 52 13.2	+1.2			
BILL	comp=Z,92nm,2.2s			pmax	pmax				
BILL	comp=Z,22nm,1.2s			MLR	MLR				
BILL	comp=Z,128nm,20.0s			MLR	MLR				
GYA	Guiyang	32.38 257	↑P	P	22 52 20.8	-0.7			
GYA	comp=Z,100nm,0.7s			pmax	pmax				
GYA	comp=Z,80nm,5.3s			LR	LR				
GYA	comp=Z,150nm,12.6s			LR	LR				
GYA	comp=Z,150nm,10.4s			LR	LR				
GYA	comp=Z,240nm,18.6s			LR	LR				
CD2	Chengdu	32.41 267	P	P	22 52 21.5	-0.2			
CD2	comp=Z,70nm,0.6s			LR	LR				
CD2	comp=Z,320nm,11.6s			LR	LR				
CD2	comp=Z,340nm,21.3s			LR	LR				
CD2	comp=Z,460nm,17.6s			LR	LR				
GTA	Gaotai	32.52 283	↑P	P	22 52 22.8	+0.2			
GTA	comp=Z,43nm,1.1s			pmax	pmax				
GTA	comp=Z,160nm,8.1s			LR	LR				
GTA	comp=Z,280nm,16.5s			LR	LR				
GTA	comp=Z,620nm,18.7s			LR	LR				
GTA	comp=Z,960nm,19.7s			LR	LR				
TIXI	Tiksi	32.81 352	P	P	22 52 24.3	-0.3			
TIXI	comp=Z,139nm,0.5s,baz=133,slow=6.4,SNR=8.9			LR	LR				
TIXI	comp=Z,130nm,20.5s,baz=179,slow=38			LR	LR				
QIZ	Qiongzong	34.65 243	P	P	22 52 41.3	+0.2			
QIZ	comp=Z,17nm,0.6s			S	S				
QIZ	comp=Z,220nm,24.0s			LR	LR				
QIZ	comp=Z,190nm,18.6s			LR	LR				
QIZ	comp=Z,220nm,23.0s			LR	LR				
KMI	Kunming	36.07 258	P	P	22 52 53.8	+0.3			
KMI	comp=Z,100nm,1.1s			pmax	pmax				
KMI	comp=Z,230nm,3.1s			LR	LR				
KMI	comp=Z,190nm,12.6s			LR	LR				
KMI	comp=Z,270nm,19.4s			LR	LR				
KMI	comp=Z,340nm,26.9s			LR	LR				
SLVN	Son La	37.40 252	eP	P	22 53 04.4	-0.3			
DGZ	Jazzator, Aita	39.47 303	eP	P	22 53 23.2	+1.3			
DGZ	comp=Z,141nm,0.7s			pmax	pmax				
PANO	Nakornpanom	39.57 246	P	P	22 53 24.5	+1.7			
PANO	comp=Z,0.5nm,1.0s			P	P				
NONG	Nongkai	40.02 249	P	P	22 53 27.2	+0.7			
NONG	comp=Z,2.2nm,0.8s			P	P				
SKNT	Sakolnakorn	40.13 247	P	P	22 53 28.3	+0.8			
SKNT	comp=Z,44nm,1.0s			P	P				
WMQ	Urumqi	40.33 294	eP	P	22 53 30.0	+1.1			
WMQ	comp=Z,44nm,1.0s			pP	pP				
WMQ	comp=Z,53nm,0.9s			pmax	pmax				
WMQ	comp=Z,260nm,3.7s			LR	LR				
WMQ	comp=Z,100nm,7.7s			LR	LR				
WMQ	comp=Z,110nm,20.9s			LR	LR				
ZALV	Zalesovo Beam	40.71 310	P	P	22 53 32.1	+0.2			
ZALV	comp=Z,93nm,0.5s,baz=95,slow=7.5,SNR=133			LR	LR				
ZALV	comp=Z,299nm,18.3s,baz=68,slow=38			LR	LR				
RDOG	Red Dog Mine	40.91 28	eP	P	22 53 34.4	+1.0			
RDOG	comp=Z,18nm,1.0s			P	P				
ZSN	Zaisan	41.50 300	eP	P	22 53 39.3	+0.8			
ZSN	comp=Z,26nm,0.9s			pmax	pmax				

ZSN	Zaisan	41.50 300	↑P	P	22 53 39.3	+0.8			
SIJI	Sorong	41.53 197	P	P	22 53 39.0	0.0			
PAYA	Payday	41.59 253	P	P	22 53 42.1	+2.6			
PAYA	comp=Z,69um,0.7s,comp=Z,652um			P	P				
PHRA	Phrae	41.86 252	P	P	22 53 42.4	+0.7			
UTTA	Uttaradit	42.10 251	P	P	22 53 44.1	+0.5			
UTTA	comp=Z,49um,0.6s,comp=Z,495um			P	P				
CHAI	Chaiyaphum	42.27 248	P	P	22 53 45.3	+0.3			
CHAI	comp=Z,92um,0.9s,comp=Z,854um			P	P				
LBMI	Labuha	42.28 202	P	P	22 53 46.4	+1.3			
LAMP	Lampang	42.29 253	P	P	22 53 46.5	+1.3			
LAMP	comp=Z,39um,0.8s,comp=Z,877um			P	P				
PBKT	Sadao Pong	42.56 249	P	P	22 53 48.1	+0.7			
PBKT	comp=Z,14nm,1.0s,comp=Z,567nm			P	P				
CMMT	Chiang Mai	42.61 254	P	P	22 53 48.2	+0.4			
CMMT	comp=Z,22nm,0.8s,comp=Z,939nm			P	P				
CHTO	Chiang Mai	42.62 254	eP	P	22 53 48.4	+0.6			
CHTO	comp=Z,31nm,0.6s			P	P				
CHTO	Chiang Mai	42.62 254	eP	P	22 53 48.4	+0.6			
CHTO	comp=Z,31nm,0.6s			pmax	pmax				
LSA	Lhasa	42.69 273	P	P	22 53 50.7	+1.8			
CM31	Chiang Mai Arr	42.84 253	P	P	22 53 50.1	+0.5			
CM31	comp=Z,16nm,0.6s			P	P				
CM31	Chiang Mai Arr	42.84 253	eScP	ScP	22 59 25.1	0.0			
CMAR	Chiang Mai Arr	42.84 253	P	ScP	22 59 50.0	+0.4			
CMAR	comp=Z,11nm,0.8s,baz=45,slow=7.0,SNR=43			P	P				
CMAR	comp=Z,1.1nm,0.4s,baz=46,slow=2.2,SNR=5.9			ScP	ScP				
MKAR	Makanchi	43.36 300	P	P	22 53 54.0	+0.4			
MKAR	comp=Z,70nm,0.7s,baz=86,slow=11,SNR=154			LR	LR				
MKAR	comp=Z,389nm,21.1s,baz=66,slow=37			LR	LR				
MAKZ	Makanchi	43.56 300	eP	P	22 53 55.8	+0.6			
MAKZ	comp=Z,92nm,0.8s			pmax	pmax				
MAKZ	Makanchi	43.56 300	eP	P	22 53 55.8	+0.6			
MAKZ	comp=Z,92nm,0.8s			pmax	pmax				
SHL	Shillong	44.15 267	eP	P	22 53 59.6	-0.8			
SHL	Shillong	44.15 267	eP	P	22 54 02.5	-1.2			
UMPA	Umpang Tak	44.33 251	P	P	22 54 11.1	+9.4			
OHAK	Old Harbor	44.43 45	eP	P	22 54 02.4	+0.5			
OHAK	comp=Z,28nm,0.9s			P	P				
KDAK	Kodak Island	44.75 44	eP	P	22 54 05.2	+0.7			
KDAK	comp=Z,65nm,0.7s			P	P				
KURK	Kurchatov	44.90 306	eP	P	22 54 06.1	+0.3			
KURK	comp=Z,204nm,0.6s			P	P				
KURK	Kurchatov	44.90 306	eP	P	22 54 06.1	+0.3			
KURK	comp=Z,189nm,1.0s			pmax	pmax				
KURK	Kurchatov	44.90 306	P	P	22 54 06.3	+0.5			
KURK	comp=Z,189nm,1.0s			pmax	pmax				
TOLK	Toolk Lake Re	45.88 28	P	P	22 54 15.2	+1.9			
TOLK	baz=267			P	P				
PHET	Kaeng Krachan	45.96 247	P	P	22 54 16.1	+1.5			
PHET	comp=Z,146um,0.7s			P	P				
SEW	Seward	46.15 40	eP	P	22 54 16.2	+0.7			
SEW	comp=Z,49nm,1.2s			P	P				
TDK	Taldyqorghan	46.44 299	eP	P	22 54 18.8	+0.7			
TDK	comp=Z,66nm,0.6s			pmax	pmax				
TDK	Taldyqorghan	46.44 299	eP	P	22 54 18.9	+0.7			
TDK	comp=Z,66nm,0.6s			P	P				
TCOL	CIGO, UAF Yank	46.55 34	P	P	22 54 20.2	+1.6			
TCOL	baz=272			P	P				
COLA	College	46.55 34	eP	P	22 54 19.8	+1.3			
COLA	comp=Z,31nm,0.8s			P	P				
COLA	College	46.55 34	↑P	P	22 55 50.9	-0.9			
COLA	comp=Z,17nm,0.9s			pmax	pmax				
UZB	Uzymbulak	46.58 296	↑P	P	22 54 19.3	0.0			
UZB	comp=Z,21nm,1.4s			pmax	pmax				
UZB	Uzymbulak	46.58 296	↑P	P	22 54 19.4	0.0			
UZB	comp=Z,21nm,1.4s			P	P				
KPKS	Kokpek	46.72 296	eP	P	22 54 20.4	+0.1			
KPKS	comp=Z,18nm,0.6s			pmax	pmax				
KPKS	Kokpek	46.72 296	↑P	P	22 54 20.5	+0.1			
KPKS	comp=Z,18nm,0.6s			P	P				
POKR	Poker Plat Res	46.72 33	P	P	22 54 22.1	+2.1			
POKR	baz=273			P	P				
HDA	Harding Lake	46.96 34	P	P	22 54 22.6	+0.8			
HDA	baz=274			P	P				
ILAR	Gielson Array	46.97 34	P	P	22 54 22.9	+1.0			
ILAR	comp=Z,19nm,0.7s,baz=268,slow=6.3,SNR=118			P	P				
SATY	Saty	47.04 296	↑P	P	22 54 23.3	+0.5			
SATY	comp=Z,28nm,1.0s			pmax	pmax				
SATY	Saty	47.04 296	↑P	P	22 54 23.4	+0.5			
SATY	comp=Z,28nm,1.0s			pmax	pmax				
JIRN	Jiri	47.49 273	eP	P	22 54 27.6	+0.7			
CHKK	Chushkaly	47.76 297	↑P	P	22				

16d Oh

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

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

NEIC 16.00:12:59.4, 0.61:55N:141:04W, h0km, ML2.6(OTT), ML2.9(AEIC), After AEC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like White River, Moose Creek, Sand Pete Hill, etc.

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

BUI 16.00:29:02.8, 0.32:64N:105:35E, h15km, ML3.7/15, Ms3.3/4, Ms7 3.3/1, 1C, Sichuan

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

ISCJTB 16 02:16:21.20.4.50.26N.0.03.18.79E.0.02, h0km, Error ellipse: s-maj=4.0km s-min=2.1km az=16.0

PRU 16 02:16:25.5.1.3.50.46N.18.83E. h0km, Error ellipse: s-maj=8.1km s-min=7.4km az=60.0

ISC 16 02:16:21.30.7.50.26N.0.03.18.88E.0.02, h0km, n44, e1910/75, 5C-10, Poland

Main table of station data for Poland, including stations like Chorzow, Raciborz, Ostrava-Krasne, etc.

IDC 16 02:29:53.5.2.7.6.78S.150.01E. h0km, mb3.8/3, mb1.4/1.4, mb1mx3.7/2.4, mbtmp0.4/0.4, ML2.2/1, Error ellipse: s-maj=76.6km s-min=41.2km az=114.0

NEIC 16 02:29:54.9.2.3.6.76S.149.92E. h18km, mb4.3/10, Error ellipse: s-maj=10.7km s-min=8.7km az=192.0

ISCJTB 16 02:29:55.3.0.6.6.75S.0.09.149.90E.0.09, h34km, mb4.5/10, Error ellipse: s-maj=15.8km s-min=8.5km az=43.3

ISC 16 02:29:56.8.0.7.6.80S.0.10.149.99E.0.10, h34km, n20, e1941/22, mb4.8/10, New Britain region

Table of station data for New Britain region, including stations like Rabaul, Port Moresby, Warramunga Arr, etc.

ISCJTB 16 02:44:53.0.3.51.50N.0.01.16.15E.0.02, h0km, Error ellipse: s-maj=2.2km s-min=2.0km az=159.5

BGR 16 02:44:55.3.0.8.51.49N.16.23E. h1km, ML3.2/6, Error ellipse: s-maj=11.1km s-min=4.4km az=28.0

IDC 16 02:44:55.2.0.6.51.44N.16.02E. h0km, mb1.3/3.8, mb1mx3.2/4.8, mbtmp3.2/8, ML3.0/8, Error ellipse: s-maj=10.6km s-min=6.1km az=104.0

UPP 16 02:44:55.1.3.1.51.37N.15.45E. h1km, ML2.0, Suspected explosion

VIE 16 02:44:56.5.0.6.51.35N.16.22E. h0km, mb2.7/9, ml3.2/9, ms3.3/1, Error ellipse: s-maj=4.7km s-min=4.1km az=6.0

ISC 16 02:44:53.5.0.6.51.53N.0.03.16.18E.0.02, h0km, m69, e1959/129, Poland

Main table of station data for Poland, including stations like Ksiaz, Chwalec, Ostas, etc.

Table of station data for various regions, including stations like Severo-Kuril's, Koryakskii, etc.

IDC 16 03:18:53.4.1.2.47.70N.155.04E. h0km, mb3.5/5, mb1.3/8.8, mb1mx3.5/3.2, mbtmp3.6/8, ML3.6/3, MS3.0/3, Ms1.2/9.3, ms1mx2.5/3.0, Error ellipse: s-maj=45.4km s-min=19.7km az=152.0

SKHL 16 03:18:58.4.0.8.47.87N.155.52E. h45km, mb4.1/1, KRSC 16 03:18:59.2.1.6.47.95N.156.47E. h41km, mb2.6km, mb4.4

MOS 16 03:19:01.7.1.0.48.05N.156.13E. h30km, mb4.0/1, Error ellipse: s-maj=58.4km s-min=5.3km az=78.4

ISC 16 03:19:03.0.1.8.48.0N.0.1.155.8E.0.2, h35km, n56, e096/57, mb3.6/5, Kuril Islands

Main table of station data for Kuril Islands and other regions, including stations like Severo-Kuril's, Koryakskii, etc.

mb1mx2.9/34,mbt3p.0/2,ML2.7/2,Error ellipse: s-maj=22.3km s-min=14.1km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Includes stations like ZALESOVO INFRA, ZALV, ZALV, ZALV, KURBB, KURBB, MKAR.

NEIC 16 06:21:13.0-0.0, 61.58N-141.06W, h15km, ML2.5(OTT), ML2.5(AEIC), After AEIC.

PGC 16 06:21:15.1, 61.60N-141.10W, h5km, ML2.5/11, 213km Wnn of Haines Jct., Yt Southern Alaska, Southern

Main table for NEIC/PGC event with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists numerous stations including White River, Moose Creek, Sand Pete Hill, etc.

DDA 16 06:32:45.4, 35.85N-32.99E, h7km, 6km, ML2.6 ISK 16 06:32:45.6, 35.86N-33.03E, h28km, ML3.1/2

ISCJB 16 06:32:46.0, 4.0, 35.85N-02.33-01E-0.04, h28km, 5km, Error ellipse: s-maj=6.1km s-min=3.8km az=19.8

NIC 16 06:32:47.4, 0.2, 35.72N-33.08E, h10km, ML3.0 ISC 16 06:32:45.4-1.1, 35.83N-02.33-03E-0.03, h39km, n30, c944/33, Cyprus region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like TEKE, YORU, YORU, YORU, AKKI, AKKI, AKKI, etc.

DSN 16 06:49:55.5, 2.8, 26.56N-57.98E, h10km, ML3.9/8, Error ellipse: s-maj=38.7km s-min=12.5km az=6.0

IDC 16 06:49:56.1, 1.3, 26.54N-57.70E, h5km, mb3.7/8, mb1 3.9/9, mb1mx3.6/49, mbt3p.8/9, ML4.2/1, MS2.9/5, MS-1 2.9/5, ms1mx2.7/37, Error ellipse: s-maj=27.2km s-min=23.5km az=11.0

OMAN 16 06:49:56.9, 3.7, 26.71N-58.04E, h24km, ml4.0/13, Error ellipse: s-maj=34.9km s-min=15.2km az=46.0

ISCJB 16 06:49:56.7, 0.4, 26.64N-0.03-57.80E-0.04, h10km, mb3.6/9, MS3.0/3, Error ellipse: s-maj=5.6km s-min=3.7km az=173.1

THR 16 06:49:57.3, 26.76N-57.39E, h18km, ML3.7 TEH 16 06:49:58.5, 26.58N-57.54E, h8km, ML4.0

ISC 16 06:49:58.2, 0.6, 26.56N-0.03-57.69E-0.03, h10km, n74, c1967/73, mb3.8/9, MS2.9/3, Southern Iran

Main table for OMAN/THR/TEH/ISC event with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like JSK1, NIAN, BANOH, SHME, SHME, SHME, etc.

NEIC 16 07:02:51.2, 0.0, 61.54N-141.09W, h1km, ML2.7(OTT), ML2.7(AEIC), After AEIC.

PGC 16 07:02:52.3, 61.56N-141.09W, h5km, ML2.7/11, 219km Wnn of Haines Jct., Yt Southern Alaska, Southern

Main table for NEIC/PGC event with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like WSAR, WSAR, WSAR, WSAR, WSAR, etc.

NEIC 16 06:53:10.1, 0.0, 61.54N-141.03W, h13km, ML2.5(AEIC), ML2.6(OTT), After AEIC.

PGC 16 06:53:11.4, 61.56N-141.05W, h5km, ML2.6/11, 209km Wnn of Haines Jct., Yt Southern Alaska, Southern

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like YUK2, YUK3, YUK3, YUK1, YUK1, YUK1, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like YUK6, YUK6, SAMH, SAMH, MESA, MESA, CHAIX, CHAIX, etc.

NEIC 16 07:02:51.2, 0.0, 61.54N-141.09W, h1km, ML2.7(OTT), ML2.7(AEIC), After AEIC.

PGC 16 07:02:52.3, 61.56N-141.09W, h5km, ML2.7/11, 219km Wnn of Haines Jct., Yt Southern Alaska, Southern

Main table for NEIC/PGC event with columns: Code, Station Name, Az, AZ, Phase ID, Time Res, h m s ISC. Lists stations like YUK2, YUK2, YUK3, YUK3, YUK1, etc.

Table with columns: KTH, FYU, CNPM, DLBC, WRAC, Kanishna Hill, Fort Yukon, China Poot, Dease Lake, Wrangell Islan, etc.

NEIC 16 07:22:47.0±0.0, 58°21'N, 151°20'W, h46km, ML3.4(AEIC), After AEIC, Kodiak Island region

Main table for NEIC 16 07:22:47.0±0.0, 58°21'N, 151°20'W, h46km, ML3.4(AEIC), After AEIC, Kodiak Island region. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

PGC 16 07:24:27.9±0.1, 56°N, 141°08'W, h5km, ML2.4/9, 210km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska

Main table for PGC 16 07:24:27.9±0.1, 56°N, 141°08'W, h5km, ML2.4/9, 210km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

ISCJB 16 07:37:50.7±0.4, 26°81'S, 0°03:65:07W, 0.05, h10km, mb4.0/5, Error ellipse: s-maj=6.1km s-min=3.7km az=2.3

NEIC 16 07:37:55.2±1.7, 26:87S:65:06W, h38km, 15km, mb4.2/3, MD4.2(SJA), Error ellipse: s-maj=12.5km s-min=7.8km az=206.0

NEIC 16 07:37:55.8±1.9, 26:84S:65:01W, h46km, 18km, mb3.5/2, mb1.3/7, mb1mx3.6/23, mbtmp3.8/7, ML3.8, MS3.0/1, Ms1.3/0.1, ms1mx2.5/17.8, Error ellipse: s-maj=26.7km s-min=25.1km az=112.0

ISC 16 07:37:51.2±0.6, 26:73S:0°03:65:16W, 0.06, h10km, n57, e1561/58, mb4.1/5, 10C-3D, Tucuman Province

Main table for ISC 16 07:37:51.2±0.6, 26:73S:0°03:65:16W, 0.06, h10km, n57, e1561/58, mb4.1/5, 10C-3D, Tucuman Province. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

Table with columns: CYA, Cyocho, 1.80 1981eP, AMPN, P, 07 38 23.4 -0.8, 07 38 23.5

PGC 16 08:10:01.9±0.0, 61°56'N, 141°07'W, h5km, ML2.1/10, 210km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska

Main table for PGC 16 08:10:01.9±0.0, 61°56'N, 141°07'W, h5km, ML2.1/10, 210km Wnw of Haines Jct., Yt Southern Alaska, Southern Alaska. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

ISC 16 08:24:27.4±4.9, 39°06'N, 67°02'E, h0km, mb3.4/1, mb1.3/7, mb1mx3.4/29, mbtmp3.7/3, ML3.3/2, MS3.2/2, Ms1.3/2/2, ms1mx2.5/21, Error ellipse: s-maj=22.1km s-min=24.7km az=150.0

ISC 16 08:24:36.5±11.0, 37°08'N, 70°44'E, h0km, mb4.3, mpv3.9, Error ellipse: s-maj=98.3km s-min=76.7km az=159.0

ISC 16 08:24:20.3±1.8, 37°11'N, 0°2:68:8E, 0.2, h10km, n7, e2501/7, 4C-1D, Afghanistan-Tajikistan border region

Main table for ISC 16 08:24:20.3±1.8, 37°11'N, 0°2:68:8E, 0.2, h10km, n7, e2501/7, 4C-1D, Afghanistan-Tajikistan border region. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

Table with columns: KK31, Karatay Array, 6.13 12 P, P, 08 26 08.7 +1.4

ISC 16 08:36:29.7±1.8, 30°93'S, 178°27'W, h36km, 6km, mb4.5/24, Error ellipse: s-maj=16.0km s-min=1.7km az=122.0

ISC 16 08:36:30.4±0.5, 31°06'S, 0°06:178:2W, 0.1, h46km, n67, e172/69, mb4.6/29, 1C-1D, Kermadec Islands region

Main table for ISC 16 08:36:29.7±1.8, 30°93'S, 178°27'W, h36km, 6km, mb4.5/24, Error ellipse: s-maj=16.0km s-min=1.7km az=122.0. Columns include Code, Station Name, Azimuth, Phase, Time, Residual, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TXAR Lajitas Array, W39A Magazine, X37A Clayton, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BEKR Beckworth, EGMT Egleton, TOA1 Torodi Arr, etc.

IDC 16 09:33:33.4:3.6, 16:11Sx71.60W, h116km, 36km, mb3.1/2, mb1 3.3/6, mb1mx3.2/38, mbtmp3.6/6, Error ellipse: s-maj=35.3km s-min=20.9km az=117.0, Southern Peru

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

IDC 16 09:33:49.6:5.2, 15:74Sx72.06W, h55km, 47km, mb3.2/2, mb1 3.7/4, mb1mx3.4/34, mbtmp3.7/4, ML2.9/2, Error ellipse: s-maj=52.2km s-min=43.2km az=45.0, Southern Peru

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like LPAZ La Paz, LVC Limon Verde, CFA Coronel Fontan, etc.

NIED 16 09:35:00, 35.50N, 141.10E, h44km, Mw4.3 Best double couple: M3:49000x1019 NP1:2120000x3210000, 1:14, 0.00000, NP2:36000x3690000, 389.00000, 1.84, 0.00000, IDC 16 09:35:03.5:0.9, 35.52N:11.10E, h0km, mb4.0/17, mb1 4.0/24, mb1mx4.0/58, mbtmp3.9/24, ML3.2/6, MS3.4/1, Ms1 3.4/1, ms1mx2.9/47, Error ellipse: s-maj=20.9km s-min=16.2km az=151.0

IS/CJB 16 09:35:07.3:0.5, 35.59N:103.141.09E:0.05, h40km, 4km, mb4.2/33, Error ellipse: s-maj=7.4km s-min=4.0km az=175.7

NEIC 16 09:35:08.2:2.3, 35.60N:141.06E, h32km, 5km, mb4.5/19, Error ellipse: s-maj=9.8km s-min=7.1km az=94.0

NEIC Recorded (1 JMA) in Chiba. JMA 16 09:35:08.1:0.2, 35.54N:141.05E, h37km, 1km, M3.6 JMA Feil J1

ISC 16 09:35:08.0:0.9, 35.56N:104.141.06E:0.05, h32km, 6km, n74, c110/84, mb4.2/33, 5D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHOU Choshi, CHOU Choshi, JSMT Samumatsuo, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31 Makanchi Array, MKR2 Makanchi Array, MKP3 Makanchi Array, etc.

BUI 16 09:35:51.7:0.0, 6.14S: 155.21E, h47km, mb5.1/76, mb5.4/66, M5.4/86, Ms7 5.3/81

MOS 16 09:35:51.9:0.9, 6.16S: 154.71E, h33km, mb5.6/53, M5.5/63, Error ellipse: s-maj=7.2km s-min=5.4km az=88.8

NEIC 16 09:35:53.6:2.2, 6.29S: 154.77E, h40km, mb5.4/239, M5.0, M5.5/7696, MW6.0, MW5.9, Error ellipse: s-maj=10.6km s-min=9.6km az=193.0, Moment Tensor Solution, s32 Moment tensor: Scale 1018Nm, Mr1:1.7; M0:0.02; M1:0.17; M2:0.01; M3:0.12; M4:0.17; Best double couple: M1:20000x1019 NP1:151750000x3490000, 1.91, 0.00000, NP2:3540000x8100000, 2.89, 0.00000, Principal axes: T 1.1800, Plg86.0000, Azm92.0000; P 0.0300, Plg0.0000, Azm355.0000; S -1.2100, Plg4.0000, Azm265.0000, Broadband fault plane solution: P waves, NP1:325.0000, 3.45, 0.0000, 1.90, 0.0000, NP2:145.0000, 8.45, 0.0000, 1.90, 0.0000, Principal axes: T Plg90.0000, Azm0.0000; N Plg0.0000, Azm0.0000; P Plg0.0000, Azm55.0000; Depth from synthetics of broadband displacement seismograms.

IS/CJB 16 09:35:53.6:0.7, 6.26S:0.02:154.76E:0.02, h48km, 5km, mb5.4/302, M5.5/7709, Error ellipse: s-maj=3.5km s-min=2.9km az=34.3

NEIC 16 09:35:54.1:0.0, 6.34S: 154.71E, h50km, Moment Tensor Solution, s193 Moment tensor: Scale 1017Nm, Mr8.5; M0:5.07; M1:3.46; M2:5.8; M3:3.8; M4:0.9; Best double couple: M8:80000x1017 NP1:123.00000x354.00000, 1.83, 0.00000, NP2:314.00000, 8.37, 0.00000, 1.99, 0.00000, Principal axes: T 9.0100, Plg79.0000, Azm0.0000; N -0.4700, Plg5.0000, Azm127.0000; S -8.5400, Plg8.0000, Azm21.0000

IDC 16 09:35:55.9:0.3, 6.26S: 154.80E, h59km, 2km, mb4.8/37, mb1 4.9/42, mb1mx4.9/46, mbtmp5.1/42, MS5.3/22, Ms1 5.3/22, ms1mx5.1/28, Error ellipse: s-maj=8.5km s-min=7.4km az=92.0

DJA 16 09:35:56.0:0.2, 6.5E: 15.5E, h60km, M5.8/63, mb5.6/63, mb6.1/61, MLV6.2/1, Mw(M)5.8/61, Mwps 9/6

GCMT 16 09:35:58.6:0.1, 6.57S:0.01:154.69E:0.01, h44km, MW5.9/141, Moment Tensor Solution, s141, c286; s134, c368; Duration: 2s2 Moment tensor: Scale 1018 Nm; M0:0.88x101; M1:0.51x101; M2:0.37x101; M3:0.05x101; M4:0.48x101; M5:0.09x101; Best double couple: M0:90600x1018 NP1:133.00000x348.00000, 1.93, 0.00000, NP2:339.00000, 8.42, 0.00000, 1.87, 0.00000, Principal axes: T 0.8810, Plg66.0000, Azm78.0000; N 0.0510, Plg2.0000, Azm311.0000; S -0.9320, Plg3.0000, Azm221.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s.

ISC 16 09:35:55.0:0.2, 6.25S:0.03:154.81E:0.03, h57km, 1km, h57km:pp-P, n1554, i1942/1210, mb5.4/300, MS5.7/713, 24C-7D, Bougainville-Solomon Islands region

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like JAY, GENU, MITSU, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like CAN, CAN, CAN, SOEI, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like BFZ, BFZ, FOZ, FOZ, etc.

KVN	comp=Z,2um,20.0s	LR	LR		
KVNV	comp=Z,2.22nm,0.9s	eP	P	09 48 57.3	+0.3
KVN	comp=Z,2.2um,20.0s	MLR	MLR		
BRVK	comp=Z,1.5nm,0.9s	eP	P	09 48 55.5	-1.0
BRVK	comp=Z,1.1um,21.0s	LR	LR		
BRVK	comp=Z,1.5nm,0.9s	eP	P	09 48 55.5	-1.0
BRVK	comp=Z,1.1um,21.0s	MLR	MLR		
DAC	comp=Z,3um,20.0s	PFAKE	LR	09 49 10.0	+13
DAC	comp=Z,3um,20.0s	PFAKE	LR	09 49 10.0	+13
G08A	comp=Z,5um,20.0s	P	P	09 48 58.2	+0.8
G08A	comp=Z,7.1nm,1.6s	eP	P	09 48 58.5	+1.2
CPE	comp=Z,3um,21.0s	LR	LR		
MURC	comp=Z,2.7nm,1.1s	eP	P	09 48 58.3	+0.8
MPMC	comp=Z,2.7nm,1.1s	eP	P	09 48 58.3	+0.8
E08A	comp=Z,2.4um,20.0s	PFAKE	LR	09 49 10.0	+13
E08A	comp=Z,7.8nm,0.8s	LR	LR		
J08A	comp=Z,5um,22.0s	P	P	09 48 58.4	0.0
GRAC	comp=Z,3.8nm,0.6s	eP	P	09 48 58.8	+0.7
D08A	comp=Z,3.8nm,1.8s	eP	P	09 48 58.5	-0.5
BBRC	comp=Z,3um,22.0s	PFAKE	LR	09 49 10.0	+11
BAR	comp=Z,2.1nm,1.3s	eP	P	09 49 01.4	+1.7
GSC	comp=Z,3um,20.0s	LR	LR		
GSC	comp=Z,2.1nm,1.3s	eP	P	09 49 00.7	+0.9
GSC	comp=Z,3um,20.0s	P	P	09 49 01.4	+1.1
MONPZ	comp=Z,2.7nm,1.1s	eP	P	09 49 01.1	+1.1
FURC	comp=Z,2.7nm,1.1s	eP	P	09 49 01.1	+1.1
PFO	comp=Z,2.0nm,1.0s	LR	LR		
PFO	comp=Z,2um,19.0s	P	P	09 49 01.0	+0.6
E09A	comp=Z,2.2nm,1.1s	LR	LR		
E09A	comp=Z,4um,20.0s	eP	P	09 49 01.0	+0.3
BMN	comp=Z,1.8nm,0.9s	LR	LR		
BMN	comp=Z,3um,21.0s	eP	P	09 49 01.0	+0.3
BMN	comp=Z,1.8nm,0.9s	eP	P	09 49 01.0	+0.3
BMN	comp=Z,3um,21.0s	MLR	MLR		
C09A	comp=Z,2um,20.0s	eP	P	09 49 00.7	+0.1
C09A	comp=Z,2um,20.0s	LR	LR		
IKP	comp=Z,2um,20.0s	P	P	09 49 02.4	+1.1
HEC	comp=Z,2um,20.0s	P	P	09 49 02.4	+1.0
SHOC	comp=Z,2um,20.0s	P	P	09 49 03.0	+1.0
BELC	comp=Z,2um,20.0s	P	P	09 49 03.4	+1.0
SWSC	comp=Z,2um,20.0s	P	P	09 49 03.9	+1.5
BMO	comp=Z,2um,20.0s	eP	P	09 49 02.4	0.0
BMO	comp=Z,2um,20.0s	LR	LR		
BMO	comp=Z,2um,20.0s	eP	P	09 49 02.4	0.0
BMO	comp=Z,2um,20.0s	MLR	MLR		
TPNV	comp=Z,2um,20.0s	eP	P	09 49 04.0	+1.3
TPNV	comp=Z,2um,20.0s	LR	LR		
TPNV	comp=Z,2um,20.0s	eP	P	09 49 04.0	+1.3
TPNV	comp=Z,2um,20.0s	MLR	MLR		
TPNV	comp=Z,2um,20.0s	P	P	09 49 03.6	+1.0
SYO	comp=Z,2um,20.0s	P	P	09 49 00.4	-1.8
SYO	comp=Z,2um,20.0s	P	P	09 49 13.4	+1.1
TUQ	comp=Z,2um,20.0s	P	P	09 49 04.2	+1.0
F10A	comp=Z,1.2nm,1.0s	LR	LR		
F10A	comp=Z,4um,20.0s	LR	LR		
GMRC	comp=Z,2um,20.0s	P	P	09 49 05.2	+1.3
BC3	comp=Z,2um,20.0s	P	P	09 49 05.4	+1.2
NEW	comp=Z,1.3nm,1.1s	eP	P	09 49 04.0	-0.4
NEW	comp=Z,1.3nm,1.1s	eP	P	09 49 04.0	-0.4
NEW	comp=Z,1.3nm,1.1s	eP	P	09 49 04.2	-0.2
NEW	comp=Z,1.3nm,1.1s	LR	LR		
NEW	comp=Z,1.3nm,1.1s	eP	P	09 49 04.2	-0.2
NEW	comp=Z,1.3nm,1.1s	P	P	09 49 04.2	-0.2
IRM	comp=Z,2um,20.0s	P	P	09 49 06.8	+1.3
R11A	comp=Z,2um,20.0s	eP	P	09 49 04.9	-0.8
R11A	comp=Z,2um,20.0s	LR	LR		
R11A	comp=Z,2um,20.0s	P	P	09 49 06.4	+0.7
LDFC	comp=Z,2um,20.0s	PFAKE	LR	09 49 20.0	+14
LDFC	comp=Z,2um,20.0s	LR	LR		
GLA	comp=Z,1.9nm,1.0s	eP	P	09 49 09.0	+2.7
GLA	comp=Z,3um,21.0s	LR	LR		
GLA	comp=Z,3um,21.0s	eP	P	09 49 09.0	+2.7
GLA	comp=Z,1.9nm,1.0s	MLR	MLR		
GLA	comp=Z,3um,21.0s	P	P	09 49 07.6	+1.3
SHPR	comp=Z,2um,20.0s	eP	P	09 49 07.8	+1.3
SHPR	comp=Z,2um,20.0s	LR	LR		
MFID	comp=Z,2um,20.0s	PFAKE	LR	09 49 20.0	+13
MFID	comp=Z,2um,20.0s	LR	LR		
Y12C	comp=Z,2um,19.0s	eP	P	09 49 09.4	+1.7
Y12C	comp=Z,2um,19.0s	LR	LR		
Y12C	comp=Z,2um,19.0s	P	P	09 49 08.5	+0.8

ELK	comp=Z,1.1nm,1.1s	50	eP	P	09 49 09.3	+1.4
ELK	comp=Z,2um,20.0s	LR	LR			
ELK	comp=Z,2um,20.0s	50	eP	P	09 49 09.3	+1.4
ELK	comp=Z,1.1nm,1.1s	50	eP	P	09 49 09.3	+1.4
ELK	comp=Z,2um,20.0s	MLR	MLR			
PDMCI	comp=Z,2um,20.0s	94.34	56	P	09 49 09.9	+0.7
W13A	comp=Z,1.8nm,1.0s	94.61	55	eP	09 49 11.7	+0.9
W13A	comp=Z,3um,20.0s	LR	LR			
HLID	comp=Z,6um,22.0s	94.82	47	PFAKE	09 49 20.0	+8.5
HLID	comp=Z,6um,22.0s	94.82	47	P	09 49 12.0	+0.4
PSUT	comp=Z,1.8nm,1.1s	94.89	52	eP	09 49 13.1	+1.1
CCUT	comp=Z,2.9nm,0.9s	95.21	53	eP	09 49 15.4	+1.9
Y14A	comp=Z,1.2nm,1.5s	95.25	57	eP	09 49 15.2	+1.6
Y14A	comp=Z,2um,19.0s	LR	LR			
LCMT	comp=Z,2.7nm,1.4s	95.27	53	eP	09 49 14.7	+1.0
214A	comp=Z,2.7nm,1.4s	95.28	59	P	09 49 14.4	+0.7
MSO	comp=Z,3um,20.0s	95.36	44	PFAKE	09 49 30.0	+16
MSO	comp=Z,3um,20.0s	95.36	44	P	09 49 14.9	+1.0
SRIG	comp=Z,4um,22.0s	95.44	63	PFAKE	09 49 30.0	+16
SRIG	comp=Z,4um,22.0s	95.44	63	LR	09 49 30.0	+16
WALA	comp=Z,1.5nm,1.1s	95.51	41	eP	09 49 15.1	+0.6
KNB	comp=Z,4.8nm,1.5s	95.61	53	eP	09 49 16.8	+1.5
KNB	comp=Z,4.8nm,1.5s	95.61	53	eP	09 49 16.8	+1.5
BGU	comp=Z,8.8nm,1.2s	95.68	50	eP	09 49 17.3	+1.8
YKWS	comp=Z,1.3nm,1.0s	95.76	28	eP	09 49 15.6	+0.5
YKWS	comp=Z,2um,19.0s	LR	LR			
YKA	comp=Z,3um,20.0s	95.77	28	P	09 49 15.3	+0.2
YKA	comp=Z,3um,20.0s	95.77	28	P	09 49 31.8	+0.2
YKA	comp=Z,0.7nm,0.6s	95.77	28	P	10 06 04.1	-3.3
YKA	comp=Z,0.7nm,0.6s	95.77	28	P	10 09 08.4	
YKBS	comp=Z,2um,20.0s	95.77	28	P	09 49 15.3	+0.2
DUG	comp=Z,2um,20.0s	95.80	50	PFAKE	09 49 30.0	+14
DUG	comp=Z,2um,20.0s	95.80	50	P	09 49 16.8	+0.8
DUG	comp=Z,2um,20.0s	95.80	50	P	09 49 16.8	+0.8
HVU	comp=Z,8.7nm,0.9s	95.92	49	eP	09 49 16.9	+0.3
HVU	comp=Z,8.7nm,0.9s	95.92	49	eP	09 49 16.9	+0.3
U15A	comp=Z,9.0nm,0.9s	96.00	54	eP	09 49 19.0	+1.8
U15A	comp=Z,2um,20.0s	96.02	46	eP	09 49 17.8	+0.8
U15A	comp=Z,2um,20.0s	96.04	53	eP	09 49 19.7	+2.3
MCMT	comp=Z,2.4nm,1.2s	96.17	52	eP	09 49 19.6	+1.6
PKCU	comp=Z,1.5nm,1.1s	96.20	52	eP	09 49 20.3	+2.3
MSU	comp=Z,3um,20.0s	96.22	45	PFAKE	09 49 30.0	+12
MSU	comp=Z,3um,20.0s	96.22	45	LR	09 49 21.5	+1.7
DLMT	comp=Z,3um,20.0s	96.22	45	PFAKE	09 49 30.0	+12
DLMT	comp=Z,3um,20.0s	96.22	45	LR	09 49 21.5	+1.7
X16A	comp=Z,3um,20.0s	96.58	56	eP	09 49 21.5	+1.7
X16A	comp=Z,3um,20.0s	96.58	56	LR	09 49 21.5	+1.7
WUAZ	comp=Z,2um,20.0s	96.69	55	eP	09 49 22.5	+2.3
WUAZ	comp=Z,2um,20.0s	96.69	55	LR	09 49 22.5	+2.3
WUAZ	comp=Z,2um,20.0s	96.69	55	P	09 49 20.5	+0.2
HSG	comp=Z,3um,20.0s	96.69	62	PFAKE	09 49 30.0	+10
HSG	comp=Z,3um,20.0s	96.69	62	LR	09 49 30.0	+10
MPU	comp=Z,4.5nm,1.0s	96.69	51	eP	09 49 21.6	+1.4
HWUT	comp=Z,5.0nm,0.8s	96.81	49	eP	09 49 21.5	+0.8
HWUT	comp=Z,5.0nm,0.8s	96.81	49	LR	09 49 21.8	+0.8
JLU	comp=Z,3um,20.0s	96.86	50	eP	09 49 21.8	+0.8
BOZ	comp=Z,3um,21.0s	96.91	45	PFAKE	09 49 30.0	+9.0
BOZ	comp=Z,3um,21.0s	96.91	45	P	09 49 20.8	-0.2
TMUT	comp=Z,9.8nm,0.9s	96.99	51	eP	09 49 23.0	+1.3
TUC	comp=Z,3um,21.0s	97.02	58	PFAKE	09 49 30.0	+8.2
TUC	comp=Z,3um,21.0s	97.02	58	LR	09 49 30.0	+8.2
YHB	comp=Z,4.5nm,0.8s	97.19	46	eP	09 49 23.2	+0.7
AHID	comp=Z,4um,20.0s	97.20	48	PFAKE	09 49 30.0	+7.5
AHID	comp=Z,4um,20.0s	97.20	48	LR	09 49 30.0	+7.5
TPAW	comp=Z,4um,22.0s	97.33	47	PFAKE	09 49 30.0	+6.8
TPAW	comp=Z,4um,22.0s	97.33	47	LR	09 49 30.0	+6.8
IMW	comp=Z,5um,21.0s	97.35	46	eP	09 49 23.9	+0.7
IMW	comp=Z,5um,21.0s	97.35	46	Pdf	09 49 23.1	-0.1
P17A	comp=Z,8.8nm,1.0s	97.36	51	eP	09 49 24.7	+1.1
YHH	comp=Z,2.8nm,1.0s	97.44	46	eP	09 49 24.7	+0.7
YFT	comp=Z,8.6nm,0.9s	97.44	46	Pdf	09 49 40.0	+16
SNOW	comp=Z,4um,21.0s	97.47	47	PFAKE	09 49 40.0	+16
SNOW	comp=Z,4um,21.0s	97.47	47	LR	09 49 40.0	+16
MOOW	comp=Z,2um,20.0s	97.49	47	PFAKE	09 49 40.0	+16
MOOW	comp=Z,2um,20.0s	97.49	47	LR	09 49 40.0	+16
SRU	comp=Z,5um,21.0s	97.52	51	eP	09 49 24.9	+0.9
SRU	comp=Z,5um,21.0s	97.52	51	Pdf	09 49 24.9	+0.9
SRU	comp=Z,4.0nm,0.8s	97.53	46	PFAKE	09 49 40.0	+16
FLWY	comp=Z,6um,22.0s	97.59	47	PFAKE	09 49 40.0	+16
FLWY	comp=Z,6um,22.0s	97.59	47	LR	09 49 40.0	+16
LOHW	comp=Z,4um,21.0s	97.62	46	eP	09 49 24.9	+0.4
H17A	comp=Z,8um,22.0s	97.62	46	P	09 49 24.9	+0.5
H17A	comp=Z,8um,22.0s	97.62				

SDCO	Great Sand Dun	101.45	53	PFAKE	LR	LR			
SDCO	Great Sand Dun	101.45	53	P	Pdif		09 49 50.0	+8.4	
SDCO	Great Sand Dun	101.45	53	P	Pdif		09 49 42.2	+0.5	
MNTX	Cornudas Mount	101.59	59	PFAKE	LR	LR	09 49 50.0	+8.0	
MNTX	Divide	101.70	52	PFAKE	LR	LR	09 49 50.0	+7.2	
Q24A	Divide	101.70	52	P	Pdif		09 49 43.0	+0.2	
Q24A	Dagmar	101.94	42	PFAKE	LR	LR	09 50 00.0	+1.7	
DGMT	Dagmar	101.94	42	P	Pdif		09 49 44.0	+0.8	
DGMT	Dagmar	101.94	42	P	Pdif		09 49 42.5	+0.4	
YN1A3	Neumayer Olymp	101.98	185	P	P		09 49 43.8	+0.4	
YN2A	Neumayer-Watz	102.07	186	P	P		09 50 00.0	+1.5	
RSSD	Black Hills	102.33	46	PFAKE	LR	LR			
RSSD	Trinidad	102.33	53	PFAKE	LR	LR	09 50 00.0	+1.5	
T25A	Trinidad	102.33	53	P	Pdif		09 49 47.1	+1.6	
T25A	Flin Flon	102.70	35	PFAKE	LR	LR	09 50 00.0	+1.4	
FFC	Lajitas Array	103.07	61	Pdif	Pdif		09 49 49.2	+0.4	
TXAR	Lajitas Array	103.07	61	PP	PKIKP		09 50 00.0	+1.0	
TXAR	Lajitas Array	103.07	61	PKKpbc	PKKpbc		10 05 46.1	+0.4	
TXAR	Lajitas Array	103.07	61	PKKpbc	PKKpbc		09 50 00.0	+1.0	
PMSA	Palmer Station	103.54	164	PFAKE	LR	LR			
PMSA	Kaye Shedlock	103.66	51	PFAKE	LR	LR	09 50 00.0	+8.8	
KSCO	Muleshoe	103.75	57	PFAKE	LR	LR	09 50 00.0	+8.3	
MSTX	Muleshoe	103.75	57	P	Pdif		09 49 52.6	+0.9	
MSTX	Ogallala	104.00	49	PFAKE	LR	LR	09 50 00.0	+7.3	
OGNE	Zacatecas	104.01	68	PFAKE	LR	LR	09 50 10.0	+1.7	
ZAIG	Ambohimpalom	104.42	249	PFAKE	LR	LR	09 50 10.0	+1.5	
ABPO	Permogore	104.54	332	eP	Pdif		09 49 52.2	-2.2	
PRGR	Amarillo	104.62	56	PFAKE	LR	LR	09 50 10.0	+1.4	
AMTX	Kingsbay	105.03	353	PFAKE	LR	LR	09 54 20.0	+9.4	
KBS	Madlock	105.06	42	PFAKE	LR	LR	09 54 20.0	+8.5	
MDND	Madlock	105.06	42	P	PKIKP		09 54 12.5	+1.0	
MDND	Thule	105.88	10	PFAKE	LR	LR	09 54 20.0	+7.8	
TULEG	Cedar Bluff	105.93	52	PFAKE	LR	LR	09 54 30.0	+1.7	
CBKS	Fort Churchill	106.19	30	PFAKE	LR	LR	09 54 30.0	+1.7	
FCC	Junction City	106.40	60	PFAKE	LR	LR	09 54 30.0	+1.5	
JCT	Junction City	106.40	60	P	PKIKP		09 54 14.8	+0.2	
JCT	Abilene, Hawle	106.43	58	PFAKE	LR	LR	09 54 30.0	+1.5	
ABTX	Lovozero	106.80	340	PFAKE	LR	LR	09 54 30.0	+1.6	
LVZ	Chaparral WMA	106.83	62	PFAKE	LR	LR	09 54 30.0	+1.5	
833A	Linares	106.85	66	PFAKE	LR	LR	09 54 30.0	+1.5	
833A	Belgrade	106.88	49	PFAKE	LR	LR	09 54 30.0	+1.5	
LNIG	Makhachkala	106.89	313	eP	Pdif		09 50 07.9	+2.6	
LNIG	Makhachkala	106.89	313	e	e		09 54 34.2		
LNIG	Makhachkala	106.89	313	eSS	SS		10 00 45.3		
LNIG	Makhachkala	106.89	313	pmx	pmx		10 09 39.5	+5.8	
WMOK	Wichita Mounta	107.01	56	PFAKE	LR	LR	09 54 30.0	+1.4	
WMOK	Wichita Mounta	107.01	56	P	PKIKP		09 54 15.2	-0.4	
ULM	Lac du Bonnet	107.39	39	PFAKE	LR	LR	09 54 30.0	+1.5	
ULM	Apattity	107.38	340	iP	Pdif		09 50 00.7	-6.2	
APA	Apattity	107.38	340	i	i		09 54 31.4		
APA	Oliver, Polo	113.04	47	PFAKE	LR	LR	09 54 40.0	+1.3	
TLIG	Oliver, Polo	113.04	47	P	PKIKP		09 54 25.7	-0.9	
TLIG	Draeger Farm	113.13	45	PFAKE	LR	LR	09 54 40.0	+1.3	
ECSD	EROS Data Cent	107.70	46	PFAKE	LR	LR	09 54 30.0	+1.3	
ECSD	EROS Data Cent	107.70	46	P	PKIKP		09 54 16.6	+0.1	
KVXT	Kingsville	108.19	63	PFAKE	LR	LR	09 54 30.0	+1.2	
KVXT	Jarrell	108.29	60	PFAKE	LR	LR	09 54 30.0	+1.2	
435B	Lake Whitney	108.32	58	PFAKE	LR	LR	09 54 30.0	+1.2	
435B	Kansas State U	108.32	51	PFAKE	LR	LR	09 54 30.0	+1.2	
WHXT	ARCESS Array S	108.83	343	ePKIKP	PKIKP		09 54 18.1	+0.2	
WHXT	ARCESS Array S	108.83	343	ePP	PP		09 54 44.8	-0.2	
KSU1	ARCESS Array B	108.83	343	ePKKpab	PKKpab		10 05 40.1	+0.8	
KSU1	ARCESS Array B	108.83	343	ePKKpab	PKKpab		09 54 18.1	+0.2	
ARAO	ARCESS Array B	108.83	343	PP	PP		09 54 44.8	-0.3	
ARAO	ARCESS Array B	108.83	343	PKKpab	PKKpab		10 05 40.1	+0.8	
ARAO	Leonard	109.34	54	PFAKE	LR	LR	09 54 30.0	+1.0	
ARCES	Laguna Verde	109.73	71	PFAKE	LR	LR	09 54 30.0	+9.0	
ARCES	Clayton	109.83	56	PFAKE	LR	LR	09 54 30.0	+9.2	
LVIG	Hockley	109.86	61	PFAKE	LR	LR	09 54 30.0	+9.1	
X37A	Akhalkalaki	110.07	312	PFAKE	LR	LR	09 54 30.0	+8.7	
X37A	Marine on St.	110.12	44	PFAKE	LR	LR	09 54 30.0	+9.0	

SPMN	comp=Z,2.0m,20.0s	LR	LR						
RAYN	Ar Rayn	110.16	293	PFAKE	LR	LR	09 54 30.0	+8.2	
RAYN	Kislovodsk	110.19	315	PFAKE	LR	LR	09 54 30.0	+8.7	
KIV	Kislovodsk	110.19	315	eP	Pdif		09 50 18.3	-1.8	
KIV	Kislovodsk	110.19	315	i	i		09 54 19.7		
KIV	Kislovodsk	110.19	315	eSS	SS		10 04 24.8	-1.6	
KIV	Kislovodsk	110.19	315	eSS	SS		10 10 15.4	-3.0	
KIV	Kislovodsk	110.19	315	pmx	pmx				
EYMN	Ely	110.40	41	PFAKE	LR	LR	09 54 30.0	+8.5	
EYMN	State Center	110.46	48	PFAKE	LR	LR	09 54 30.0	+8.2	
SCIA	The Farm, Brul	110.68	42	PFAKE	LR	LR	09 54 30.0	+8.0	
E38A	Nacogdoches	110.71	59	PFAKE	LR	LR	09 54 30.0	+7.5	
E38A	Hobbs	110.78	54	PFAKE	LR	LR	09 54 30.0	+7.4	
NATX	Obninsk	111.02	327	PFAKE	LR	LR	09 54 30.0	+7.7	
NATX	Obninsk	111.02	327	iPKIKP	PKIKP		09 54 23.2	+0.8	
NATX	Obninsk	111.02	327	ePPP	PPP		09 55 03.4		
NATX	Obninsk	111.02	327	pmx	pmx		09 57 24.7		
W39A	Magazine	111.05	55	PFAKE	LR	LR	09 54 40.0	+1.7	
W39A	Magazine	111.05	55	P	PKIKP		09 54 22.6	-0.5	
G39A	Holcombe	111.24	44	P	PKIKP		09 54 22.8	-0.3	
G39A	Mount Ida	111.30	55	PFAKE	LR	LR	09 54 40.0	+1.6	
MIAR	Yelville	111.64	53	P	PKIKP		09 54 23.3	-0.9	
MIAR	White Oak Lake	111.79	56	PFAKE	LR	LR	09 54 40.0	+1.6	
WLAR	Anamosa	111.89	47	PFAKE	LR	LR	09 54 40.0	+1.6	
L40A	Anamosa	111.89	47	P	PKIKP		09 54 23.4	-1.1	
L40A	Rib Lake	111.91	44	PFAKE	LR	LR	09 54 40.0	+1.6	
G40A	Basin Creek Fa	111.92	55	PFAKE	LR	LR	09 54 40.0	+1.5	
G40A	Isle Royale Na	111.94	41	PFAKE	LR	LR	09 54 40.0	+1.6	
C40A	Richland Creek	112.10	57	PFAKE	LR	LR	09 54 40.0	+1.5	
Z41A	Woolly Hollow	112.25	55	PFAKE	LR	LR	09 54 40.0	+1.5	
WHAR	University of	112.28	55	PFAKE	LR	LR	09 54 40.0	+1.5	
UALR	Ozark Folk Cen	112.29	54	PFAKE	LR	LR	09 54 40.0	+1.5	
FCAR	Gary Mavity, V	112.30	55	PFAKE	LR	LR	09 54 40.0	+1.5	
W41B	Gary Mavity, V	112.30	55	P	PKIKP		09 54 24.1	-1.3	
W41B	Sochi	112.37	315	iPKIKP	PKIKP		09 54 21.5	-3.8	
SOC	Sochi	112.37	315	ePPP	PPP		09 55 09.8		
SOC	Sochi	112.37	315	MLR	MLR		09 57 30.6		
SOC	Jewell Farm	112.42	46	PFAKE	LR	LR	09 54 40.0	+1.5	
JFWS	Jewell Farm	112.42	46	P	PKIKP		09 54 24.7	-0.7	
JFWS	Conover	112.42	43	PFAKE	LR	LR	09 54 40.0	+1.5	
COWI	Arkdale	112.42	45	PFAKE	LR	LR	09 54 40.0	+1.5	
I41A	Harden Midland	112.44	49	PFAKE	LR	LR	09 54 40.0	+1.4	
N41A	Harden Midland	112.44	49	P	PKIKP		09 54 25.2	-0.4	
N41A	Milan	112.53	48	P	PKIKP		09 54 25.4	-0.3	
M41A	Chassel	112.55	41	PFAKE	LR	LR	09 54 40.0	+1.4	
D41A	Cathedral Cave	112.64	51	PFAKE	LR	LR	09 54 40.0	+1.4	
CCM	Cathedral Cave	112.64	51	P	PKIKP		09 54 25.0	-1.0	
CCM	Cane Creek	112.87	56	PFAKE	LR	LR	09 54 40.0	+1.3	
CCAR	Oliver, Polo	113.04	47	PFAKE	LR	LR	09 54 40.0	+1.3	
L42A	Oliver, Polo	113.04	47	P	PKIKP		09 54 25.7	-0.9	
L42A	Draeger Farm	113.13	45	PFAKE	LR	LR	09 54 40.0	+1.3	
I42A	Draeger Farm	113.13	45	P	PKIKP		09 54 26.1	-0.7	
I42A	FINESS Array S	113.19	336	ePP	PP		09 55 11.3	-5.2	
FIAO	FINESS Array S	113.19	336	ePKKpab	PKKpab		10 05 24.1	+4.1	
FIAO	FINESS Array S	113.19	336	PP	PP		09 55 11.3	-5.2	
FINES	FINESS Array S	113.19	336	ePKKpab	PKKpab		10 05 24.1	+4.1	
FINES	Summit	113.24	4	PFAKE	LR	LR	09 54 40.0	+1.3	
SUMG	Saint Louis	113.31	51	PFAKE	LR	LR	09 54 40.0	+1.3	
SLM	Poplar Bluff	113.50	53	PFAKE	LR	LR	09 54 40.0	+1.2	
PBMO	Marvell	113.51	55	PFAKE	LR	LR	09 54 40.0	+1.2	
X43A	Harrisburg	113.53	54	PFAKE	LR	LR	09 54 40.0	+1.2	
HBAR	Hopedale	113.63	48	PFAKE	LR	LR	09 54 40.0	+1.2	
HDIL	Hopedale	113.63	48	P	PKIKP		09 54 27.4	-0.4	
HDIL	Skaggs, Pawnee	113.65	49	P	PKIKP		09 54 27.6	-0.3	
P43A	Lone Tree Farm	113.78	42	PFAKE	LR	LR	09 54 40.0	+1.2	
E43A	Lone Tree Farm	113.78	42	P	PKIKP		09 54 27.3	-0.6	
E43A	Windswept, Lux	113.78	44	PFAKE	LR	LR	09 54 40.0	+1.2	
H43A	Comitan	113.83	75	PFAKE	LR	LR	09 54 40.0	+1.1	

CCIG	comp=Z,2.0m,20.0s	LR	LR						
K43A	Burlington	113.83	46	PFAKE	LR	LR	09 54 40.0	+1.2	
K43A	Gosnell	113.97	53	PFAKE	LR	LR	09 54 40.0	+1.1	
GNAR	Parma	114.06	53	PFAKE	LR	LR	09 54 40.0	+1.1	
GNAR	Portageville	114.14	53	PFAKE	LR	LR	09 54 40.0	+1.1	
PARMO	Wicksburg	114.15	58	PFAKE	LR	LR	09 54 40.0	+1.1	
PARMO	Memphis-Engin	114.18	54	PFAKE	LR	LR	09 54 40.0	+1.1	
PVMO	Midewin, Midew	114.36	47	PFAKE	LR	LR			

548A	Wiedeman Farm,	116.74	51	P	PKPdf	09 54 33.6	-0.3
H48A	Harrisville	116.75	43	PFAKE	LR	09 54 50.0	+16
M48A	comp-Z,3um,21.0s	116.75	46	PFAKE	LR	09 54 50.0	+16
M48A	Edgerton	116.75	46	PFAKE	LR	09 54 50.0	+16
O48A	Farmland	116.77	48	P	PKPdf	09 54 33.6	-0.2
P48A	Milroy	116.78	49	PFAKE	LR	09 54 50.0	+16
P48A	comp-Z,2um,20.0s	116.78	49	P	PKPdf	09 54 33.3	-0.7
P48A	Milroy	116.78	49	P	PKPdf	09 54 33.3	-0.6
K48A	Perry	116.79	45	P	PKPdf	09 54 33.3	-0.6
L48A	N Adams	116.83	46	P	PKPdf	09 54 33.3	-0.6
AKASG	Malin Array Be	116.83	325	PKP	PKPdf	09 54 32.3	-1.4
AKASG	comp-Z,1.4nm,0.6s,baz=55,slow=2.7,SNR=4.4						
AKASG	comp-Z,1.3nm,0.5s,baz=56,slow=2.5,SNR=3.1						
AKASG	Paudash Townsh	116.83	325	PKP	PKPdf	09 54 32.9	-0.7
AKKB	Malin Array Si	116.83	325	ePKPdf	PKPdf	09 54 32.9	-0.7
AKKB	Malin Array Si	116.83	325	ePKIKP	PKPdf	09 54 32.9	-0.7
F48A	Evansville	116.84	41	P	PKPdf	09 54 33.2	-0.7
CLTN	Cedars of Leba	116.87	53	ePKPdf	LR	09 54 33.1	-1.1
CLTN	comp-Z,1um,20.0s	116.88	44	PFAKE	LR	09 54 50.0	+16
J48A	Bridge Port	116.88	44	PFAKE	LR	09 54 50.0	+16
J48A	comp-Z,2um,21.0s	116.88	44	P	PKIKP	09 54 34.0	0.0
J48A	Bridge Port	116.88	44	P	PKIKP	09 54 34.0	0.0
D48A	Paudash Townsh	116.89	40	P	PKPdf	09 54 32.7	-1.2
SFJD	Kangerlussuaq	116.89	11	PFAKE	LR	09 54 50.0	+17
SFJD	comp-Z,1um,19.0s	116.91	41	P	PKPdf	09 54 32.7	-1.2
E48A	Lockeyer	116.91	41	P	PKPdf	09 54 32.7	-1.2
L48A	Lakeview Retre	116.95	56	PFAKE	LR	09 54 50.0	+16
L48A	comp-Z,3um,20.0s	116.95	56	P	PKPdf	09 54 33.6	-0.8
L48A	Lakeview Retre	116.95	56	P	PKPdf	09 54 33.6	-0.8
249A	Camden	117.03	57	P	PKPdf	09 54 33.6	-1.0
W49A	Belvidere	117.13	54	P	PKPdf	09 54 33.2	-1.5
D49A	Beulah Townshi	117.14	39	P	PKPdf	09 54 33.7	-0.7
149A	Jones	117.20	57	P	PKPdf	09 54 33.5	-1.4
X49A	Woodville	117.21	54	P	PKPdf	09 54 33.3	-1.5
U49A	Red Boiling Sp	117.22	52	P	PKPdf	09 54 33.9	-0.9
BRAL	Brewton	117.23	58	PFAKE	LR	09 54 50.0	+15
BRAL	comp-Z,1um,19.0s	117.24	41	P	PKPdf	09 54 34.1	-0.5
F49A	Sanfield	117.24	41	P	PKPdf	09 54 34.1	-0.5
KMBO	Kilima Mbogo	117.24	266	PKP	PKPdf	09 54 35.0	-0.8
KMBO	comp-Z,0.8nm,0.3s,baz=55,slow=16,SNR=2.4						
KMBO	Kilima Mbogo	117.24	266	ePKPdf	LR	09 54 35.0	-0.8
L49A	Milan	117.25	46	P	PKIKP	09 54 34.7	0.0
R49A	Shelbyville	117.26	50	PFAKE	LR	09 54 50.0	+15
R49A	comp-Z,4um,22.0s	117.26	50	P	PKPdf	09 54 34.4	-0.5
T49A	Edmonton	117.27	51	ePKPdf	LR	09 54 33.4	-1.5
T49A	comp-Z,4um,20.0s	117.27	51	P	PKPdf	09 54 34.4	-0.5
AAM	Ann Arbor	117.27	45	PFAKE	LR	09 54 50.0	+15
Y49A	Blount Mountai	117.27	55	PFAKE	LR	09 54 50.0	+15
Y49A	comp-Z,3um,21.0s	117.28	53	P	PKPdf	09 54 33.7	-1.3
V49A	McMinville	117.28	53	P	PKPdf	09 54 33.7	-1.3
M49A	Liberty Center	117.29	46	P	PKPdf	09 54 34.8	0.0
N49A	Columbus Grove	117.30	47	ePKPdf	LR	09 54 33.8	-1.1
N49A	comp-Z,2um,20.0s	117.30	47	P	PKPdf	09 54 33.7	-1.1
S49A	Springfield	117.30	51	P	PKPdf	09 54 34.1	-0.9
Z49A	Columbiana	117.30	56	P	PKPdf	09 54 34.5	-0.6
J49A	Marlette	117.31	44	P	PKPdf	09 54 33.9	-0.9
I49A	Point Hope	117.33	43	PFAKE	LR	09 54 50.0	+15
I49A	comp-Z,3um,20.0s	117.33	43	P	PKPdf	09 54 33.9	-0.9
TEIG	Tepich	117.37	71	PFAKE	LR	09 54 50.0	+14
TEIG	comp-Z,2um,22.0s	117.38	54	PFAKE	LR	09 54 50.0	+15
SWET	Swanewe	117.38	54	PFAKE	LR	09 54 50.0	+15
SWET	comp-Z,2um,19.0s	117.39	48	PFAKE	LR	09 54 50.0	+15
O49A	Covington	117.39	48	P	PKPdf	09 54 33.9	-1.2
O49A	comp-Z,2um,21.0s	117.39	48	P	PKPdf	09 54 33.9	-1.2
Z50A	Grady	117.75	57	PFAKE	LR	09 54 50.0	+14
Z50A	comp-Z,2um,20.0s	117.75	57	P	PKPdf	09 54 34.2	-1.8
BR10I	Keeskin Array S	117.75	312	ePKPdf	PKPdf	09 54 34.8	-1.2
BR10I	comp-Z,1.2nm,0.6s,baz=144,slow=3.1,SNR=5.3						
BR10I	Keeskin Array S	117.75	312	ePKPdf	PKPdf	09 54 34.8	-1.2
BR10I	comp-Z,1.2nm,0.6s,baz=144,slow=3.1,SNR=5.3						
BRTR	Keeskin Array B	117.75	312	ePKPdf	PKPdf	09 54 34.8	-1.2
BRTR	comp-Z,1.2nm,0.6s,baz=144,slow=3.1,SNR=5.3						
BRTR	Keeskin Array B	117.75	312	ePKPdf	PKPdf	09 54 34.8	-1.2
BRTR	comp-Z,1.2nm,0.6s,baz=144,slow=3.1,SNR=5.3						
X50B	Fort Payne	117.77	54	P	PKPdf	09 54 34.8	-1.2
TOBO	Tobermory, Bru	117.77	42	P	PKPdf	09 54 34.6	-1.1
350A	Dozier	117.79	58	P	PKPdf	09 54 34.5	-1.6
Z50A	Ashland	117.79	56	ePKPdf	LR	09 54 34.7	-1.4
Z50A	comp-Z,3um,21.0s	117.79	56	P	PKPdf	09 54 35.0	-1.0
Z50A	Ashland	117.79	56	P	PKPdf	09 54 35.0	-1.0
Y50A	Piedmont	117.82	55	P	PKPdf	09 54 35.1	-1.0
Y50A	comp-Z,2um,21.0s	117.83	51	P	PKPdf	09 54 34.9	-1.1
150A	Eclectic	117.83	56	P	PKPdf	09 54 35.3	-0.9
E50A	Wahnapiatae	117.85	40	P	PKPdf	09 54 35.1	-0.7
K50A	Casco	117.85	45	PFAKE	LR	09 54 50.0	+14
K50A	comp-Z,3um,22.0s	117.88	53	ePKPdf	LR	09 54 35.2	-1.1
W50A	Signal Mountai	117.88	53	P	PKPdf	09 54 35.3	-1.0
W50A	comp-Z,2um,21.0s	117.88	53	P	PKPdf	09 54 35.3	-1.0
R50A	Paris	117.91	50	PFAKE	LR	09 54 50.0	+14

R50A	Paris	117.91	50	P	PKPdf	09 54 35.2	-0.9
O50A	Cable	117.93	48	P	PKPdf	09 54 35.3	-0.9
V50A	Pikeville	117.94	53	P	PKPdf	09 54 35.4	-0.9
P50A	Jamestown	117.95	48	P	PKPdf	09 54 35.2	-1.0
L50A	Kingsville	117.95	45	P	PKPdf	09 54 35.3	-0.8
U50A	Jamestown	117.97	52	P	PKPdf	09 54 35.3	-1.1
M50A	Fremont	117.98	46	PFAKE	LR	09 54 50.0	+14
M50A	comp-Z,2um,22.0s	117.98	46	P	PKPdf	09 54 35.2	-1.0
M50A	Fremont	117.98	46	P	PKPdf	09 54 35.2	-1.0
SS0A	Richmond	118.00	51	P	PKPdf	09 54 35.6	-0.8
Q50A	Georgetown	118.02	49	P	PKPdf	09 54 35.3	-1.0
N50A	Nevada	118.09	47	P	PKPdf	09 54 36.1	-0.3
BASO	Ashfield	118.10	43	P	PKPdf	09 54 35.8	-0.5
BMRO	Merriville Lake	118.20	42	P	PKPdf	09 54 36.0	-0.5
CSGN	Cosiguina Volc	118.26	79	PFAKE	LR	09 54 50.0	+12
CSGN	comp-Z,2um,22.0s	118.33	53	P	PKPdf	09 54 36.5	-0.6
W51A	Cleveland	118.33	53	P	PKPdf	09 54 36.5	-0.6
ANTO	Ankara	118.34	312	PFAKE	LR	09 54 50.0	+13
ANTO	comp-Z,400nm,21.0s	118.36	55	P	PKPdf	09 54 36.4	-0.7
Y51A	Rockmart	118.36	55	P	PKPdf	09 54 36.4	-0.7
ACSO	Alum Creek Sta	118.37	47	ePKPdf	LR	09 54 36.1	-0.9
ACSO	comp-Z,2um,19.0s	118.37	47	P	PKPdf	09 54 36.4	-0.5
X51A	Calhoun	118.38	54	PFAKE	LR	09 54 50.0	+13
X51A	comp-Z,2um,20.0s	118.38	54	P	PKPdf	09 54 36.7	-0.4
Z51A	Franklin	118.39	56	P	PKPdf	09 54 36.8	-0.4
BWLO	Walkeaton	118.42	43	P	PKPdf	09 54 36.9	-0.1
151A	Opelika	118.42	56	P	PKPdf	09 54 36.7	-0.6
451A	Vernon	118.43	59	PFAKE	LR	09 54 50.0	+13
251A	Midway	118.44	57	P	PKPdf	09 54 36.5	-0.8
Q51A	Peebles	118.45	49	PFAKE	LR	09 54 50.0	+13
Q51A	comp-Z,2um,22.0s	118.45	53	PFAKE	LR	09 54 50.0	+13
CPCT	Cooper Cave	118.45	53	PFAKE	LR	09 54 50.0	+13
D51A	Lot 18 Range I	118.45	39	P	PKPdf	09 54 36.8	-0.1
SUW	Suwalki	118.49	330	PFAKE	LR	09 54 50.0	+13
SUW	comp-Z,1um,22.0s	118.50	53	PFAKE	LR	09 54 50.0	+13
V51A	Loudon	118.50	53	PFAKE	LR	09 54 50.0	+13
P51A	Williamsport	118.53	48	PFAKE	LR	09 54 50.0	+13
TGUH	Teeguigalpa,Un	118.54	77	PFAKE	LR	09 54 50.0	+12
F51A	Arnstein	118.56	40	P	PKPdf	09 54 36.6	-0.5
KLBO	Kilbear Provi	118.58	41	P	PKPdf	09 54 36.5	-0.7
KIS	Kishinev	118.60	321	ePP	LR	09 55 54.0	-0.9
KIS	comp-Z,900nm,21.0s	118.61	43	P	PKPdf	09 54 36.8	-0.5
I51A	Listowel	118.61	43	P	PKPdf	09 54 36.8	-0.5
N51A	Ashland	118.61	47	PFAKE	LR	09 54 50.0	+13
N51A	comp-Z,2um,19.0s	118.61	47	P	PKPdf	09 54 36.8	-0.6
U51A	Lafollette	118.63	52	P	PKPdf	09 54 37.2	-0.4
SS1A	Beattyville	118.63	50	ePKPdf	LR	09 54 36.9	-0.6
SS1A	comp-Z,4um,21.0s	118.63	50	P	PKPdf	09 54 37.0	-0.6
O51A	Pataskala	118.67	47	P	PKPdf	09 54 36.9	-0.6
152A	Waverly Hall	118.90	56	ePKPdf	LR	09 54 36.9	-1.3
152A	comp-Z,3um,21.0s	118.90	56	P	PKPdf	09 54 38.0	-0.2
NB2	NORSAR Subarra118.94	341	PKPdf	PKIKP	09 54 37.6	+0.1	
NB20	comp-Z,0.4nm,0.7s,baz=39,slow=1.9						
NB20	NORSAR Array S 118.94	341	ePKPdf	PKPdf	09 54 37.1	-0.4	
NOA	comp-Z,1.4nm,1.0s,baz=45,slow=2.1,SNR=3.4						
NOA	comp-Z,0.5nm,0.8s,baz=51,slow=5.2,SNR=2.2						
TZTN	Tazewell	118.95	52	PFAKE	LR	09 54 50.0	+12
TZTN	comp-Z,4um,21.0s	118.95	52	P	PKPdf	09 54 38.0	-0.2
352A	Blakely	118.96	58	PFAKE	LR	09 54 50.0	+12
352A	comp-Z,2um,20.0s	118.96	58	P	PKPdf	09 54 37.9	-0.5
F52A	Sundridge	119.00	40	P	PKPdf	09 54 37.7	-0.3
W52A	Murphy	119.01	53	ePKPdf	LR	09 54 37.9	-0.5
W52A	comp-Z,3um,22.0s	119.01	53	P	PKPdf	09 54 38.1	-0.3
Z52A	Lumpkin	119.02	57	P	PKPdf	09 54 38.3	-0.1
Z52A	Williamson	119.04	55	P	PKPdf	09 54 37.7	-0.7
H52A	Wyeate	119.06	42	P	PKPdf	09 54 37.7	-0.5
LSQO	Lebel-sur-Quev	119.07	36	P	PKPdf	09 54 37.5	-0.6
BUKO	Buck Lake	119.08	41	P	PKPdf	09 54 37.8	-0.4
V52A	Sevierville	119.09	52	ePKPdf	LR	09 54 37.8	-0.7
V52A	comp-Z,4um,20.0s	119.09	52	P	PKPdf	09 54 37.9	-0.6
D52A	Sevierville	119.10	39	P	PKPdf	09 54 37.5	-0.6
U52A	Thorn Hill	119.13	52	P	PKPdf	09 54 37.9	-0.7
N52A							

16d 10h

PLIG	Platanillo	1.61	27	eP	Pn	09 49 11.8	-3.1
PLIG				eS	Sn	09 49 30.9	-4.9
TLIG	Tlapa	1.73	69	eP	Sn	09 49 13.1	-3.5
TLIG				eS	Sn	09 49 34.3	-4.6
<p><i>IDC 16 10:01:40.6:27.0,17:32S,178.55W,h364km,294km,mb3.4/9,mb1.3,7.9,mb1mx3.4/31,mbtmp4.1/9,Error ellipse: s-maj=79.4km s-min=24.2km az=19.0</i></p> <p><i>ISCJB 16 10:01:54.8:0.8,17:24S,0.2:178.8W,0.2,h547km,mb3.6/8,Error ellipse: s-maj=29.8km s-min=15.9km az=135.6</i></p> <p>ISC 16 10:01:55.8:0.9,17.7S,0.2:178.7W,0.2,h547km,n9,0.95/9,n9,mb3.6/8,Fiji Islands region</p>							
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time h m s	Res ISC
URZ	Urewera	20.81	189	Op P	ISC	10 05 58.1	-1.1
STKA	Stephens Creek	38.48	241	P	P	10 08 32.5	+1.1
WRA	Warramunga Arr	44.36	259	P	P	10 09 17.5	-0.8
ASAR	Allice Springs	44.57	254	P	P	10 09 19.9	+0.2
PETK	Petropavlovsk	73.40	345	P	P	10 12 32.1	-0.1
NVAR	Mina Array Bea	79.47	44	P	P	10 13 05.8	-0.3
ILAR	Eielson Array	85.75	13	P	P	10 13 35.9	-0.9
TXAR	Lajitas Array	85.13	53	P	P	10 13 40.6	+1.1
PDAR	Pinedale Array	87.40	44	P	P	10 13 45.9	+0.4

<p><i>NIED 16 10:11:00.24:30N,121.40E,h8km,Mw4.9 Best double couple: M=2.28000x10¹⁶ NP1.0,190.0000°,850.00000°,λ=31.00000°,NP2.0,301.00000°,δ66.00000°,λ=136.00000°</i></p> <p><i>BUI 16 10:11:34.7:0.0,24:21N,121.54E,h10km,mb4.7/67,mb5.2/45,ML5.3/13,Ms5.0/78,Ms7.4/87</i></p> <p><i>JMA 16 10:11:34.3:0.1,24:25N,121.43E,h0km,Ms5.1</i></p> <p><i>ISCJB 16 10:11:35.3:0.2,24:27N,0.008:121.57E,0.01,h13km,1km,mb5.1/239,MS4.6/18,Error ellipse: s-maj=1.8km s-min=1.2km az=30.2</i></p> <p><i>NEIC 16 10:11:35.3:0.2,24:26N,121.52E,h10km,1km,mb5.2/175,ML5.3(TAP),Error ellipse: s-maj=8.0km s-min=4.7km az=150.0</i></p> <p><i>NEIC Felt at Taichung, Tainan and Yungho, Recorded [4 TAP] in Hualien, Nantou and Yilan; [3 TAP] in Yunlin; [2 TAP] in Changhua, Chiayi, Hsinchu, Miaoli, Taitung and Taoyuan; [1 TAP] in Penghu.</i></p> <p><i>TAP 16 10:11:35.0,24:28N,121.50E,h5km,ML5.5,C</i></p> <p><i>MOS 16 10:11:36.5:1.1,24:24N,121.57E,h26km,mb5.3/77,MS4.6/7,Error ellipse: s-maj=7.6km s-min=4.6km az=119.5</i></p> <p><i>IDC 16 10:11:40.6:1.5,24:24N,121.70E,h46km,14km,mb4.6/47,mb1.4/6,0,mb1mx4.6/60,mbtmp4.8/50,ML3.0/4,MS4.1/9,Ms1.4/1.9,ms1mx3.8/54,Error ellipse: s-maj=11.5km s-min=7.5km az=61.0</i></p>							
<p>ISC 16 10:11:35.6:0.6,24:28N,0.01:121.52E,0.01,h9km,3km,n742,0.93/853,mb5.1/255,MS4.7/22,111C-26D,Taiwan</p>							
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time h m s	Res ISC
ETLH	Xiulin Townshi	0.08	209	Op P	ISC	10 11 37.5	-0.4
ETLH				S	Sg	10 11 38.8	-0.7
NACB	Ninganchiao	0.12	147	eP	Pg	10 11 39.1	+0.7
NACB				eS	Sg	10 11 41.1	+0.7
NACB	Ninganchiao	0.12	147	Op P	Pg	10 11 38.8	+0.4
NACB				S	Sg	10 11 41.1	+0.7
NNSB	Datong	0.20	320	Op P	Pg	10 11 39.3	-0.6
NNSB				S	Sg	10 11 41.9	-0.8
TWD	Chiawan	0.21	161	Op P	Pg	10 11 40.2	+0.3
TWD				S	Sg	10 11 43.5	+0.8
NNS	Nan Shan	0.21	320	Op P	Pg	10 11 39.5	-0.6
NNS				iS	Sg	10 11 42.4	-0.7
ENA	Nanau	0.25	53	Op P	Pg	10 11 40.8	+0.1
ENA				eS	Sg	10 11 44.2	+0.1
NANB	Nanau	0.26	54	Op P	Pg	10 11 40.8	0.0
NANB				eS	Sg	10 11 44.2	-0.1
WHF	Hehuan Shan	0.27	241	Op P	Pg	10 11 40.5	-0.7
WHF				iS	Sg	10 11 44.0	-0.9
HWA	Hwallen	0.31	166	Op P	Pg	10 11 42.5	+0.8
HWA				eS	Sb	10 11 47.3	-1.1
TDCB	Techi	0.33	266	Op P	Pg	10 11 41.9	-0.4
TDCB				S	Sg	10 11 45.7	-1.1
ENLB	Shoufeng	0.38	169	Op P	Pb	10 11 44.6	+0.1
ENLB				S	Sb	10 11 50.0	-0.5
CHGB	Renai	0.38	236	Op P	Pg	10 11 42.8	-0.5
CHGB				S	Sg	10 11 48.5	+0.1
YHNB	Yeheng	0.41	341	Op P	Pg	10 11 43.9	+0.1
YHNB				eS	Sg	10 11 48.7	+0.4
YHNB	Yeheng	0.41	341	Op P	Pg	10 11 43.9	+0.1
YHNB				S	Sg	10 11 49.2	-0.1
NSK	Sanguang	0.43	339	Op P	Pg	10 11 44.0	0.0
NSK				iS	Sg	10 11 49.4	-0.3
TWC	Suao	0.45	42	Op P	Pg	10 11 44.4	0.0
TWC				S	Sg	10 11 50.1	-0.2
TWE	Neicheng	0.46	16	Op P	Pg	10 11 44.9	+0.2
TWE				S	Sg	10 11 51.0	+0.2
ESL	Shilin	0.47	190	Op P	Pg	10 11 44.5	-0.3
ILA	Ilan	0.53	23	Op P	Pg	10 11 46.2	+0.2
ILA				S	Sb	10 11 54.0	-0.9
LIQB	Enei	0.59	309	Op P	Pg	10 11 47.5	+0.4
LIQB				S	Sg	10 11 55.1	+0.2
NSTT	Nanjuang	0.59	307	Op P	Pg	10 11 47.3	+0.2
NSTT				iS	Sg	10 11 55.1	+0.2
EGFH	Guangfu	0.61	188	Op P	Pg	10 11 47.2	-0.3
EGFH				eS	Sb	10 11 56.6	-0.6
EOS1	EOS1	0.62	64	Op P	Pb	10 11 48.3	-0.3
EOS1				eS	Sb	10 11 57.3	-0.1
WLTB	Daxi	0.62	337	Op P	Pb	10 11 48.6	-0.1
WLTB				eS	Sb	10 11 57.2	-0.5
VWDT	VWDT	0.63	214	Op P	Pg	10 11 47.2	-0.6
VWDT				eS	Sg	10 11 56.6	+0.7

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baz=217	Toucheng	0.64	26	Op P	Pg	10 11 48.0	-0.1
baz=28				eS	Sg	10 11 56.6	+0.1
baz=28		0.68	33	Op P	Pg	10 11 48.9	+0.2
baz=36				S	Sb	10 11 59.3	+0.1
baz=36		0.69	276	Op P	Pb	10 11 49.5	-0.4
baz=275				eS	Sg	10 11 58.5	+0.6
baz=275		0.70	357	Op P	Pg	10 11 49.5	+0.4
baz=275				eS	Sg	10 11 58.8	+0.6
baz=13		0.70	357	Op P	Pg	10 11 49.5	+0.4
baz=217				S	Sg	10 11 58.4	+0.1
baz=13		0.70	357	Op P	Pb	10 11 49.7	-0.3
baz=71		0.70	4	Op P	Pg	10 11 49.6	+0.4
baz=71				S	Sg	10 11 58.2	-0.2
baz=281		0.71	282	Op P	Pb	10 11 50.2	0.0
baz=281				S	Sb	10 11 59.5	-0.5
baz=317		0.71	317	Op P	Pb	10 11 50.5	+0.3
baz=317				S	Sb	10 12 00.5	+0.4
baz=235		0.71	227	Op P	Pg	10 11 48.6	-0.8
baz=235				eS	Sg	10 11 58.6	0.0
baz=235				Op P	Pg	10 11 48.6	-0.8
baz=235				S	Sg	10 11 58.7	0.0
baz=237		0.71	239	Op P	Pg	10 11 49.0	-0.4
baz=237				iS	Sg	10 11 57.7	-1.0
baz=237		0.72	291	Op P	Pb	10 11 50.6	+0.3
baz=291		0.73	316	Op P	Pb	10 11 50.9	+0.4
baz=321		0.75	22	Op P	Pg	10 11 50.0	-0.1
baz=9.0				S	Sg	10 11 59.7	-0.1
baz=336		0.76	336	Op P	Pb	10 11 51.7	+0.7
baz=336				eS	Sn	10 12 03.0	-1.2
baz=336		0.76	336	Op P	Pb	10 11 50.9	-0.1
baz=336				eS	Sg	10 12 00.4	+0.1
baz=282		0.77	283	Op P	Pb	10 11 51.4	+0.2
baz=282				S	Sb	10 12 01.2	-0.5
baz=260		0.78	261	Op P	Pg	10 11 51.9	+0.5
baz=260				eS	Sb	10 12 02.4	+0.2
baz=193		0.79	187	Op P	Pg	10 11 51.0	+0.2
baz=193				eS	Sn	10 12 03.6	-1.2
baz=174		0.79	194	Op P	Pg	10 11 50.1	-0.7
baz=275		0.81	275	Op P	Pb	10 11 52.5	+0.6
baz=18		0.83	16	Op P	Pg	10 11 51.8	+0.2
baz=7.0		0.83	353	Op P	Pb	10 11 52.7	+0.5
baz=7.0				eS	Sn	10 12 05.4	-0.5
baz=236		0.84	227	Op P	Pg	10 11 51.3	-0.6
baz=236		0.86	238	Op P	Pb	10 11 52.5	-0.2
baz=237				eS	Sn	10 12 05.8	-0.7
baz=234		0.86	243	Op P	Pb	10 11 53.0	+0.1
baz=234				S	Sb	10 12 05.1	+0.6
baz=4.0		0.87	3	Op P	Pb	10 11 52.9	0.0
baz=4.0				eS	Sb	10 12 04.7	0.0
baz=4.0		0.88	2	Op P	Pb	10 11 53.2	+0.1
baz=4.0				S	Sg	10 12 04.3	+0.3
baz=5.0		0.89	2	Op P	Pg	10 11 53.3	+0.1
baz=5.0		0.89	356	Op P	Pn	10 11 53.8	-0.5
baz=8.0				eS	Sn	10 12 07.6	+0.2
baz=2.0		0.90	1	Op P	Pb	10 11 53.5	-0.1
baz=2.0				eS	Pn	10 12 07.2	-0.6
baz=256		0.90	258	Op P	Pn	10 11 54.1	-0.4
baz=256				eS	Sn	10 12 07.8	+0.2
baz=183		0.90	193	Op P	Pg	10 11 52.3	-0.7
baz=183				eS	Sg	10 12 04.2	-0.5
baz=183		0.90	193	Op P	Pg	10 11 52.0	-1.0
baz=183				eS	Sb	10 12 06.1	+0.4
baz=3.0		0.91	360	Op P	Pb	10 11 53.7	+0.1
baz=5.0		0.91	4	Op P	Pg	10 11 53.3	+0.1
baz=5.0				eS	Sg	10 12 05.3	+0.2
baz=191		0.94	193	Op P	Pg	10 12 05.7	-1.1
baz=191				S	Sg	10 12 06.1	+0.1
baz=6.0		1.00	4	Op P	Pb	10 11 55.4	+0.3
baz=6.0				eS	Sn	10 12 09.9	-0.2
baz=236		1.06	236	Op P	Pn	10 11 56.6	0.0
baz=236				iS	Sn	10 12 11.8	+0.3
baz=237		1.07	237	Op P	Pn	10 11 57.0	+0.1
baz=237				S	Sn	10 12 12.6	+0.7
baz=250		1.13	250	Op P	Pn	10 11 57.6	0.0
baz=250				iS	Sn	10 12 13.9	+0.6
baz=203		1.18	203	Op P	Pb	10 11 56.9	-1.3

Table with columns: JTS, Las Juntas de, 0.63 116, Pn, 10 24 27.6 +0.3, etc.

ISCJCB 16 10:24:51.6:0.4, 60'.28S:0'.07:26.8W:0'.1, h10km, mb4.6/34, Error ellipse: s-maj=11.1km s-min=8.1km az=23.4

IDC 16 10:24:51.6:0.5, 60'.31S:26'.73W, h0km, mb4.4/10, mb1.4, 5/10, mb1mx4.3/22, mbtmp4/10, Error ellipse: s-maj=22.6km s-min=17.3km az=69.0

NEIC 16 10:24:57.3:1.2, 60'.28S:26.85W, h35km, 1km, mb4.8/29, Error ellipse: s-maj=16.5km s-min=12.7km az=47.0

ISC 16 10:24:55.3:0.6, 60.28S:0.09:26.87W:0.09, h22km, 4km, h23km:pp-P, n89, e085/94, mb4.7/34, 1D, South Sandwich Islands region

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like HOPE, VNA1, VNA2, etc.

Table with columns: SONM, Songino Array, 150.55 94, PKPbc, PKPbc, 10 44 44.2 0.0, etc.

DJA 16 10:26:47.4:0.6, 63'S:3'.10'E:1', h33km, 5km, M4.0/8, mb4.4/2, mB5.0/1, MLV3.8/8, Mw(mb)4.3/1, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like MNAI, KASI, EHDY, etc.

JMA 16 10:41:10.2:0.1, 24'.26N:121'.45E, h0km, M3.2 TAP 16 10:41:10.7, 24'.29N:121'.49E, h6km, ML3.6, C ISCJCB 16 10:41:11.3:0.2, 24'.28N:0'.01:121'.52E:0'.01, h3km, 2km, Error ellipse: s-maj=2.0km s-min=1.4km az=36.1

ISC 16 10:41:11.2:0.8, 24'.29N:0'.01:121'.48E:0'.01, h7km, 6km, n107, e089/165, 46C-2D, Taiwan

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like ETHL, NACB, NNSB, etc.

Main table with columns: NSY, Sanyi, 0.67 281, Pn, 10 41 25.8 -1.3, etc. Includes stations like NSY, NMLH, SBCB, etc.

16d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MIAR Mount Ida, BUKO Buck Lake, ARU Arti, etc.

2013 JUL

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CLTN Cedars of Leba, U49A Red Boiling Sp, M55A Ridgeway, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like V53A Saluda, 149A Jones, Z50A Ashland, etc.

GAR	comp=Z,70nm,0.8s	71.09 309	eP	P	11 25 45.3 +0.3
GAR	comp=Z,146nm,1.3s	71.09 309	eP	Pmax	11 25 45.3 +0.3
KKN	Kakani	71.52 291	eP	P	11 25 48.7 +0.8
PKI	Pulchoki	71.61 291	eP	P	11 25 48.7 +0.3
PKIN	Pulchoki	71.61 291	eP	P	11 25 48.8 +0.3
PMOR	Pomariorio Res	71.73 147	eT	T	12 44 03.9
GKN	Gorkha	71.74 292	eP	P	11 25 49.7 +0.6
DMN	Daman	71.76 291	eP	P	11 25 50.1 +0.7
CHGR	Chuyangaron	71.76 310	eP	P	11 25 51.4 +1.4
DANN	Dangsing	71.98 293	eP	P	11 25 51.4 +0.6
KOLN	Kolandana	72.51 293	eP	P	11 25 54.3 +0.5
PYUN	Piuthan	72.62 293	eP	P	11 25 54.9 +0.4
PPT	Papeete	73.58 150	LR	LR	11 50 29.4
PPT2	Papeete2	73.59 150	eLR	LR	11 48 38.4
PPT2	Papeete2	73.59 150	eT	T	12 46 24.0
TIAR	Tiarei	73.64 149	eT	T	12 46 26.6
PAE	Paea	73.66 150	eT	T	12 46 28.0
NIL	Nilore	73.76 304	eP	P	11 26 01.6 +0.7
ESK	Eskdalemir	73.80 2	eP	P	11 26 00.9 +0.2
ESK	Eskdalemir	73.80 2	eP	Pmax	11 26 00.9 +0.2
DZM	Mont Dzumac	73.91 193	eLR	LR	11 48 49.2
KBL	Kabul	75.22 307	eP	P	11 26 09.3 -0.3
KBL	Kabul	75.22 307	eP	Pmax	11 26 09.3 -0.3
AKASG	Malin Array Be	75.41 341	P	P	11 26 08.9 -1.1
AKASG	Malin Array Be	75.41 341	P	Pmax	11 26 08.9 -1.1
AKKB	Malin Array Si	75.41 341	eP	P	11 26 09.4 -0.7
AKKB	Malin Array Si	75.41 341	eP	Pmax	11 26 09.4 -0.7
DSB	Dublin	75.77 4	eP	P	11 26 12.0 -0.1
MTN	Manton Dam	76.50 229	eP	P	11 26 16.6 -0.1
CLL	Collim	77.23 352	eP	P	11 26 19.3 -1.1
CLL	Collim	77.23 352	eP	Pmax	11 26 19.3 -1.1
CLL	Collim	77.23 352	eP	P	11 26 19.0 -1.4
CLL	Collim	77.23 352	eP	P	11 26 27.0
LVV	L'vov	77.50 347	eP	P	11 26 19.7 -0.8
OJC	Ojcov	77.50 347	eP	P	11 26 21.3 -0.7
OJC	Ojcov	77.50 347	eP	Pmax	11 26 21.3 -0.7
BRG	Bergjesshubel	77.57 351	eP	P	11 26 21.3 -1.0
BRG	Bergjesshubel	77.57 351	eP	Pmax	11 26 21.3 -1.0
GEYT	Alibeck	77.58 316	LR	LR	12 02 56.1
GYA0B	ALIBECK ARRAY	77.58 316	eP	P	11 26 24.0 +1.3
KWP	Kalwaria Pacla	77.63 345	eP	P	11 26 23.0 +0.3
KWP	Kalwaria Pacla	77.63 345	eP	Pmax	11 26 23.0 +0.3
KIV	Kislovodsk	78.16 330	eP	P	11 26 26.1 +0.2
KIV	Kislovodsk	78.16 330	eP	Pmax	11 26 26.1 +0.2
MORC	Moravsky Berou	78.24 348	eP	P	11 26 25.6 -0.6
MORC	Moravsky Berou	78.24 348	eP	Pmax	11 26 25.6 -0.6
KBZ	Khabaz	78.29 330	P	P	11 26 26.4 -0.1
KBZ	Khabaz	78.29 330	P	LR	12 04 54.6
NKC	Novy Kostel	78.34 352	eP	P	11 26 26.0 -0.7
NKC	Novy Kostel	78.34 352	eP	P	11 26 27.0 0.0
MEM	Membach	78.40 356	P	P	11 26 25.9 -1.9
SNF	Senefle	78.57 357	P	P	11 26 29.0 +0.9
LANS	Liptovska Anna	78.62 356	P	P	11 26 27.7 -0.5
LANS	Liptovska Anna	78.62 356	P	P	11 26 28.2 -0.5
AKT	Akty	78.66 325	eP	P	11 26 36.6
AKT	Akty	78.66 325	eP	Pmax	11 29 27.9
ZEI	Tsey	78.81 329	eP	P	11 26 23.0 -0.6
VRAC	Vranov	78.82 349	eP	P	11 26 28.2 -1.1
ANN	Anapa	78.95 334	ePP	PwP	11 26 27.7 -2.4
ANN	Anapa	78.95 334	eP	S	11 26 43.6 +2.5
ANN	Anapa	78.95 334	eP	Pmax	11 26 31.3 -4.3
DOU	Dourbes	78.97 357	P	P	11 26 29.7 -0.4
GRA1	Grafenberg Arr	78.99 352	eP	P	11 26 30.6 +0.4
GRF	Grafenberg Arr	78.99 352	eP	Pmax	11 26 30.6 +0.4
GRFO	Grafenberg	78.99 352	eP	P	11 26 31.4 +1.3
GRFO	Grafenberg	78.99 352	eP	Pmax	11 26 31.5 +1.3
TBI	Tubuai	79.04 151	eLR	LR	11 51 08.3
BUR08	Bucovina Ar. S	79.12 343	eP	P	11 26 38.0 -0.3
BURAR	Bucovina Array	79.14 343	P	P	11 26 31.2 0.0
BURAR	Bucovina Array	79.14 343	P	P	11 26 31.2 0.0
VYHS	Vyhne	79.33 347	eP	Pmax	11 26 32.5 +0.4
VYHS	Vyhne	79.33 347	eP	P	11 26 32.5 +0.4
KHC	Kasperske Hory	79.33 351	eP	P	11 26 31.9 -0.2
KHC	Kasperske Hory	79.33 351	eP	P	11 26 31.9 -0.2
WLF	Waldendange	79.34 356	eP	P	11 26 32.2 +0.1
WLF	Waldendange	79.34 356	eP	Pmax	11 26 32.2 +0.1
TBLG	Delisi	79.48 327	eP	P	11 26 33.7 +0.6
GEC2	GERESS Array S	79.60 351	eP	P	11 26 33.4 -0.3
GEC2	GERESS Array S	79.60 351	eP	Pmax	11 26 33.4 -0.3
GERES	GERESS Array B	79.60 351	P	P	11 26 32.5 -1.2
GERES	GERESS Array B	79.60 351	P	LR	12 05 16.5

MODS	comp=Z,99nm,1.8,3s,baz=348,slow=38	79.65 348	eP	P	11 26 33.4 -0.5
MODS	MODS	79.65 348	eP	Pmax	11 26 33.4 -0.5
MODS	comp=Z,12nm,1.1s	79.65 348	eP	P	11 26 33.4 -0.5
ZST	Bratislava	79.85 348	eP	P	11 26 34.7 -0.2
ZST	Bratislava	79.85 348	eP	P	11 26 34.7 -0.2
AKH	Akhalkalaki	80.18 328	eP	P	11 26 37.8 +0.7
AKH	Akhalkalaki	80.18 328	eP	Pmax	11 26 37.8 +0.7
CONA	Conrad Observa	80.26 349	eP	P	11 26 37.6 +0.3
BFO	Bla Forest	80.55 354	eP	P	11 26 38.7 -0.1
BFO	Black Forest	80.55 354	eP	Pmax	11 26 38.7 -0.1
ECH	Echer	80.73 355	eP	P	11 26 39.3 -0.5
GNI	Garni	80.89 327	LR	LR	12 07 29.7
GNI	Garni	80.89 327	eP	P	11 26 39.1 -1.8
GNI	Garni	80.89 327	eP	Pmax	11 26 42.0 +1.1
ARSA	Arzberg	80.97 349	iP	P	11 26 41.4 +0.4
MLR	Muntele Rosu	81.04 342	P	P	11 26 41.6 +0.1
MLR	Muntele Rosu	81.04 342	P	LR	12 06 34.9
MLR	Muntele Rosu	81.04 342	P	P	11 26 41.5 +0.1
MLR	Muntele Rosu	81.04 342	P	P	11 26 41.8 +0.2
RETA	Reutte	81.21 352	iP	P	11 26 42.9 +0.5
VOIR	Voiron	81.27 342	P	P	11 26 42.7 0.0
VOIR	Voiron	81.27 342	P	P	11 26 42.7 0.0
WR1	Warramunga Arr	81.29 223	eP	P	11 26 42.0 -0.8
WRA	Warramunga Arr	81.29 223	eP	P	11 26 42.0 -0.8
WATA	Wattay	81.29 352	iP	P	11 26 42.4 -0.5
MOTA	Moosalm	81.33 352	iP	P	11 26 42.4 -0.6
WTTA	Wattenberg	81.36 352	eP	P	11 26 43.1 -0.2
KBA	Koelnbreinsper	81.38 351	iP	P	11 26 43.6 +0.3
SQTA	Sanct Quirin	81.44 352	iP	P	11 26 43.4 -0.2
DAVA	Damuels	81.48 353	iP	P	11 26 43.5 -0.4
SOKA	Soboth	81.59 349	eP	P	11 26 44.2 -0.2
CSGN	Cosiguina Volc	81.67 80	eP	P	11 26 45.1 -0.1
FETA	Feichten	81.68 352	iP	P	11 26 44.8 -0.1
BZS	Buzias	81.71 345	P	P	11 26 43.7 -1.2
BZS	Buzias	81.71 345	P	P	11 26 43.7 -1.2
GZR	Gura Zlata	81.73 344	P	P	11 26 44.8 -0.3
GZR	Gura Zlata	81.73 344	P	P	11 26 44.8 -0.3
ABTA	Abtaltersbach	81.79 351	eP	P	11 26 44.9 -0.5
MYKA	Terra Mystica	81.79 350	iP	P	11 26 45.9 +0.5
OBKA	Obir	81.81 350	eP	P	11 26 45.2 -0.3
PSI	Prapat	82.09 265	eP	P	11 26 47.4 -0.1
PSI	Prapat	82.09 265	eP	Pmax	11 26 47.4 -0.1
FUORN	Ofenpass-Fuorn	82.11 353	eP	P	11 26 47.0 -0.4
TUE	Stuetta	82.33 353	eP	P	11 26 48.4 -0.1
MDVR	Milovicia	82.50 344	P	P	11 26 48.8 -0.4
SENIN	Lac Senin/Sane	82.57 355	eP	P	11 26 49.8 +0.1
BLY	Banja Luka	83.22 348	eP	P	11 26 52.8 0.0
ILGA	Ilgaz	83.44 335	eP	P	11 26 55.1 +0.8
SSB	Saint Sauver	83.79 357	eP	P	11 26 55.5 -0.3
SSB	Saint Sauver	83.79 357	eP	Pmax	11 26 55.5 -0.3
BNI	Bardonecchia	83.92 355	eP	P	11 26 57.1 +0.6
BNI	Bardonecchia	83.92 355	eP	Pmax	11 26 57.1 +0.6
VTS	Vitoshka	84.33 343	eP	P	11 26 57.8 -0.9
VTS	Vitoshka	84.33 343	eP	Pmax	11 26 57.8 -0.9
VLC	Villacollemand	84.55 352	eP	P	11 26 59.2 -0.4
BR101	Keskin Array S	84.70 334	eP	P	11 27 00.3 -0.3
BR131	Keskin Array S	84.70 334	eP	P	11 26 59.9 -0.8
BRTR	Keskin Array S	84.70 334	eP	P	11 27 00.3 -0.3
AS31	Alice Springs	84.77 221	eP	P	11 27 00.8 0.0
ASAR	Alice Springs	84.77 221	P	P	11 27 01.1 +0.2
PDG	Podgorica	85.19 346	P	P	11 27 02.1 -0.7
STKA	Stephens Creek	89.32 212	P	P	11 27 22.4 -0.2
STKA	Stephens Creek	89.32 212	eP	P	11 27 22.6 0.0
STKA	Stephens Creek	89.32 212	eP	Pmax	11 27 22.6 0.0
ESDC	Sonsee Array	89.42 3	P	P	11 27 22.7 -0.7
WSAR	Wadi Sarin	89.66 308	LR	LR	12 10 02.6
MMAI	Mount Meron Ar	90.44 331	LR	LR	12 12 02.9
ASF	Jabal al Asfar	90.75 329	LR	LR	12 13 04.0
RPZ	Rata Peaks	94.86 186	LR	LR	12 05 16.7
TOA1	Torodi Ar. Sit	115.87 358	ePKP	PKP	11 33 08.7 -0.7
TORD	Torodi Ar. Bea	115.88 358	PKP	PKP	11 33 08.7 -0.7
DBIC	Dimbokro	122.20 5	PKP	PKP	11 33 21.0 -0.6
DBIC	Dimbokro	122.20 5	PKP	PKP	11 33 21.0 -0.6
TSUM	Tsumeb	145.08 300	ePKP	PKP	11 34 04.2 +0.1
MAW	Mawson	147.19 313	ePKP	PKP	11 34 04.2 -0.1
MAW	Mawson	147.19 313	ePKP	PKP	11 34 04.2 -0.1
MAW	Mawson	147.19 313	ePKP	PKP	11 34 04.7 -0.9
MAW	Mawson	147.19 313	ePKP	PKP	11 34 10.7 -0.9
WIN	Windhoek	148.38 328	ePKP	PKP	11 34 13.5 +0.3
WIN	Windhoek	148.38 328	ePKP	PKP	11 34 13.5 +0.3
BOSA	Boshof	150.40 310	ePKP	PKP	11 34 17.8 -0.1
BOSA	Boshof	150.40 310	ePKP	PKP	11 34 17.8 -0.1

MEX 16 11:39:32.4-0.8, 17:33N-95:15W, h127km, 7km, MD3.6, Oaxaca											
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	h	m	s	ISC
CMIG	Matias Romero	0.34	133	eP	Pn	11 39 49.3	-1.1	11	39	49.3	-1.1
VHIG	Vista Hermosa	1.54	261	eP	Pn	11 40 01.6	-2.2	11	40	01.6	-2.2
VHO	Huautlco	1.80	211	iS	Pn	11 40 21.3	-1.3	11	40	21.3	-1.3
HUIG	Huautlco	1.80	211	eP	Pn	11 40 21.3	-1.3	11	40	21.3	-1.3
HUIG	Huautlco	1.80	211	eP	Pn	11 40 26.6	-1.2	11	40	26.6	-1.2
PCIG	Comitan	2.45	131	eP	Pn	11 40 10.8	-1.1	11	40	10.8	-1.1
CCIG	Comitan	3.06	109	iP	Pn	11 40 19.5	-0.4	11	40	19.5	-0.4
CCIG	Comitan	3.06	109	iP	Pn	11 40 55.4	-1.2	11	40	55.4	-1.2
SNET 16 11:42:38.6-1.1, 13:17N-89:40W, h59km, 5km, ML3.9, 1D, El Salvador											
Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res	h	m	s	ISC
AIES	Las Flores	0.44	51	eP	Pn	11 42 49.8	-0.1	11	42	49.8	-0.1
AIES	Las Flores	0.44	51	eP	Pn	11 42 50.0	-0.1	11	42	50.0	-0.1
AIES	Loma Larga	0.52	26	eS	Pn	11 42 58.7	+0.5	11	42	58.7	+0.5
AIES	Loma Larga	0.52	26	eS	Pn	11 43 09.2	+2.2	11	43	09.2	+2.2
AIES	Loma Larga	0.52	26	eS	Pn	11 43 05.0	-0.1	11	43	05.0	-0.1
SNET	Serv Nac Est Z	0.54	18	eP	Pn	11 42 51.1	0.0	11	42		

16d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CORI, ESAC San Capriso, ESAC, CFON Fontmartina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like IDC 16 11:59:17.0, URZ Urewera, URZ, STKA Stephens Creek, etc.

ISCJB 16 12:06:38.5, 0.3, 30.17N, 0.04, 92.13E, h10km, mb4.2/27, MS3.2/3, Error ellipse: s-maj=5.9km s-min=5.3km az=140.6

IDC 16 12:06:39.1, 0.7, 30.04N, 92.07E, h0km, mb4.0/12, mb1.4/1.4, mb1.1mx3.9/4.7, mbtmp4.0/14, ML3.9/2, MS3.2/4, Ms1.3/3.4, ms1mx3.0/29, Error ellipse: s-maj=31.9km s-min=15.1km az=56.0

NEIC 16 12:06:40.2, 2.5, 30.06N, 92.02E, h10km, mb4.2/24, Error ellipse: s-maj=12.4km s-min=6.1km az=156.0

ISC 16 12:06:40.5, 0.5, 30.14N, 0.05, 92.04E, h10km, n62, e160/62, mb4.2/27, MS3.2/3, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like LSA Lhasa, SHL Shillong, GUN Gumba, PKI Pulchoki, etc.

2013 JUL

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ZALV Zalesovo Beam, ZAA1 Zalesovo Array, BVAR Borovoye Array, etc.

ISK 16 12:08:26.7, 38.57N, 44.25E, h5km, ML2.8/4, DDA 16 12:08:27.4, 38.57N, 44.31E, h7km, 6km, ML2.9

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BASK Baskale, CLDR Caldiran, TVAN Van, etc.

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

ISC 16 12:08:27.0, 1.6, 38.56N, 0.03, 44.30E, 0.06, h7km, 13km, n13, e081/20, Turkey border region

846

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ Iriomote-Funau, etc.

JMA 16 12:35:02.2, 0.1, 24.88N, 123.37E, h31km, 5km, M1.1, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like YOJ Yonaguni jima, JYNG Yonagunijimaku, etc.

TAP 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ETHL Xiulin Townshi, NACB Ninganchiao, etc.

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

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ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

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ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

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ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

ISC 16 12:35:37.8, 24.29N, 121.48E, h5km, ML1.4, B, Taiwan

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Includes stations like TKMK2 Tokmak 2, PDGK Podgornoye, PDGK Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Includes stations like WHZ Wether Hill Ro, DZM Mont Dzumac, ACTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Includes stations like SVWZ Sparrevohn, INK Inuvik, OHAK Old Harbor, etc.

NEIC 16 13:31:41.6z.2.3,29:48S:69:46W,h98km,10km,mb4.4/4, ML4.5(GUC), Error ellipse: s-maj=15.7km s-min=7.1km az=102.0

NEIC Felt [III] at Vallenar, Chile. SJA 16 13:31:41.6z.0.7,29:42S:69:83W,h129km,3km,ML4.3, MW4.2

GUC 16 13:31:42.0z.0.6,29:45S:69:86W,h112km,4km,ML4.5 ISCBJ 16 13:31:42.0z.0.3,29:41S:0:03:69:76W,0.04,h121km,3km, mb3.9/9, Error ellipse: s-maj=5.1km s-min=4.4km az=166.4

IDC 16 13:31:43.6z.1.4,29:27S:69:35W,h108km,13km,mb3.6/5, mb1.4/0.10,mb1mx3.8,28,mbtmp4.2/10,MS2.9/3, MS1.2/9.3,ms1mx2.7/22, Error ellipse: s-maj=27.5km s-min=11.3km az=80.0

VAC 16 13:31:42.7z.0.5,29:29S:69:30W,h52km,10km,mb4.4 ISB 16 13:31:42.7z.0.6,29:42S:0:03:69:82W,0.03,h117km,6km, n83, c168/95,mb4.0/9,3C-2D,Chile-Argentina border region

NEIC 16 13:17:37.3z.2.1,33:93S:179:53E,h89km,11km,mb4.3/5, Error ellipse: s-maj=37.9km s-min=21.9km az=79.0

IDC 16 13:17:41.9z.0.3,34:36S:179:52E,h124km,43km,mb3.9/4, mb1.4/0.5,mb1mx3.73,mbtmp4.3/5, Error ellipse: s-maj=52.6km s-min=25.8km az=57.0

WEL 16 13:17:42.0z.1.5,35.5S:11:18:0E,1.3,h220km,13km, M3.8/78,mb4.5/17,ML4.4,78,WM(mb)3.6/17, Error ellipse: s-maj=0.0km s-min=0.0km az=53.6

ISCBJ 16 13:17:43.4z.1.2,34:87S:0:06:179:9E:0.1,h200km, mb4.0/7, Error ellipse: s-maj=15.9km s-min=7.3km az=164.6

ISC 16 13:17:43.1z.1.4,34:67S:0:08:179:9E:0.1,h200km,n117, c190/115,mb3.97, South of Kermadec Islands

Large table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Lists numerous stations including MXZ Matakaoa Point, WAIOMATATI S, etc.

ISCJB 16 13:24:26.5z.0.4,61:58N:0:01:141:08W,0.03,h0km,3km, Error ellipse: s-maj=2.6km s-min=2.3km az=160.7

AEIC 16 13:24:27.5z.0.1,61:54N:141:03W,h10km,ML3.3, ML3.5(OTT)

NEIC 16 13:24:27.5z.0.0,61:54N:141:03W,h10km,ML3.3(AEIC), ML3.5(OTT), After AEIC.

PGC 16 13:24:29.0z.0.61:56N:141:06W,h5km,ML3.5/1.1,209km Wnn of Haines Jct., Yt Southern Alaska

ISC 16 13:24:28.1z.0.9,61:56N:0:02:141:01W,0.02,h17km,7km, n89, c176/123, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Lists stations like YUK2 White River, YUK3 Moose Creek, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ISC, Time, Res, ISC. Lists stations like AROD Rodeo, AROD Las Campanas, etc.

ADK	Adak	26.83	57	eP	P	14 15 05.3 +2.4
ADK	comp=Z,49nm,1.3s					
YHNB	Yeheng	26.95	235	eP	P	14 15 04.4 +0.1
YHNB	comp=Z,37nm,0.9s					
GSTR	Great Sitkin T	27.23	57	eP	P	14 15 07.0 +0.4
ULN	Ulanbaatar	27.26	294	eP	P	14 15 06.8 -0.2
ULN	comp=Z,42nm,0.9s					
ULN	Ulanbaatar	27.26	294	eP	P	14 15 06.8 -0.2
ULN	comp=Z,42nm,0.9s					
BILL	Bilibino	27.48	17	eP	P	14 15 11.7 +3.1
BILL	comp=Z,17nm,0.7s					
BILL	comp=Z,8.0nm,0.7s					
BILL	comp=Z,765nm,21.0s					
BILL	Bilibino	27.48	17	eP	P	14 15 11.7 +3.1
SONAO	Songino Array	27.70	294	eP	P	14 15 10.9 0.0
SONM	Songino Array	27.70	294	eP	P	14 15 10.9 0.0
SONM	comp=Z,65nm,0.8s,baz=84,slow=8.6,SNR=212					
SONM	comp=Z,1.1um,20.6s,baz=88,slow=38					
WHN	Wuhan	27.71	254	eP	P	14 15 11.8 +0.8
WHN	comp=Z,210nm,0.8s					
WHN	comp=Z,3um,22.6s					
WHN	comp=Z,1.1um,21.5s					
WHN	comp=Z,2um,24.1s					
SSLB	Suanguang	27.86	235	eP	P	14 15 12.9 +0.4
YULB	Yu-li	27.96	234	eP	P	14 15 14.5 +1.2
TPUB	Ta-pu	28.43	234	eP	P	14 15 17.4 0.0
TPUB	comp=Z,35nm,0.8s					
OZH	Quanzhou	28.47	240	P	S	14 15 18.8 +1.0
OZH	comp=Z,290nm,22.7s					
OZH	comp=Z,450nm,21.8s					
OZH	comp=Z,390nm,20.2s					
KNMB	Chin-men Tao	28.94	239	eP	P	14 15 23.1 +1.1
H11N2	WAKE ISLAND Hy	29.30	135	T	T	14 46 28.6
H11N1	WAKE ISLAND Hy	29.32	135	T	T	14 46 26.2
H11N3	WAKE ISLAND Hy	29.32	135	T	T	14 46 26.7
TLY	Talaya	29.36	302	eP	P	14 15 25.4 -0.2
TLY	comp=Z,3.0nm,0.6s,baz=188,slow=3.0,SNR=7.2					
TLY	comp=Z,4.5nm,0.7s,baz=79,slow=5.2,SNR=8.9					
TLY	comp=Z,2.5nm,0.8s					
TLY	Talaya	29.36	302	eP	P	14 15 26.2 +0.7
TLY	comp=Z,2.7nm,1.3s					
TLY	comp=Z,2.2um,15.0s					
ZAK	Zakamensk	29.36	302	eP	P	14 15 26.2 +0.7
ZAK	comp=Z,33nm,1.2s					
ZAK	comp=Z,76nm,0.8s					
XAN	Xi'an	29.80	265	P	P	14 15 29.8 +0.2
XAN	comp=Z,45nm,1.0s					
XAN	comp=Z,210nm,4.5s					
XAN	comp=Z,190nm,16.3s					
XAN	comp=Z,210nm,17.3s					
XAN	comp=Z,240nm,17.6s					
TIXI	Tiksi	29.93	350	eP	P	14 15 25.5 -4.9
TIXI	comp=Z,2.0nm,0.3s,baz=87,slow=1.3,SNR=9.5					
TIXI	comp=Z,5.2nm,0.6s					
TIXI	Tiksi	29.93	350	eP	P	14 15 28.5 -1.8
H11S1	WAKE ISLAND Hy	30.23	137	T	T	14 47 35.6
H11S3	WAKE ISLAND Hy	30.23	137	T	T	14 47 38.2
H11S2	WAKE ISLAND Hy	30.25	137	T	T	14 47 30.4
MOY	Mondy	31.01	302	eP	P	14 15 40.3 +0.1
MOY	comp=Z,22nm,1.4s					
MOY	Enshi	31.01	302	eP	P	14 15 40.3 +0.1
LZH	Lanzhou	32.62	272	eP	P	14 15 55.0 +0.5
LZH	comp=Z,57nm,0.7s					
LZH	comp=Z,59nm,1.1s					
LZH	comp=Z,220nm,6.0s					
LZH	comp=Z,720nm,14.2s					
LZH	comp=Z,630nm,13.6s					
LZH	comp=Z,850nm,14.6s					
GTA	Gaotai	33.17	244	P	P	14 15 55.8 -3.5
GTA	comp=Z,89nm,8.9s					
GTA	comp=Z,210nm,16.8s					
GTA	comp=Z,320nm,19.4s					
CD2	Chengdu	35.14	264	P	P	14 16 15.3 -1.1
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
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CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,89nm,8.9s					
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CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
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CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					
CD2	comp=Z,320nm,19.4s					
CD2	comp=Z,510nm,18.1s					
CD2	comp=Z,20nm,1.1s					
CD2	comp=Z,89nm,8.9s					
CD2	comp=Z,210nm,16.8s					

16d 14h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like DLMT Dillon, YERR Yerrington, AKT Akhty, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PKM McPherson Peak, DGMT Dagmar, DGMT Dagmar, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like UOSS Minazif, UOSS Minazif, UOSS Minazif, etc.

2013 JUL

16d 14h

Table with columns: ALN, Name, Time, Error, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like Alexandroupoli, Vitosh, Balbes, RZN, RDO, D46A, MEM, SCIA, BRBR, GROG, SOKA, PERS, D47A, SHBL, WME, DIVS, E46A, WLF1, WLF1, BCLA, BCLA, F45A, I42A, I42A, YRC, YLL, FOEL, FOEL, H43A, H43A, MANT, CSS, CSS, KSU1, MMB, KBA, OBKA, LLW, LLW, EZN, KKB, JFWS, SNF, SNF, D46A, E47A, BBLs, HAPS, D49A, LSQQ, CRES, MYKA, WLF, WLF, CHGQ, L40A, L40A, DSB, AMTX, AMTX, G45A, G45A, RAYN, RAYN, RAYN, RAYN, RAYN, DOU, RAR, RUDO, MSTX, MSTX, BLY, BLY, BLU, LJU, SRS, WATA, G46A, WTTA, MNTX, MNTX, E48A, BOJS, ABTA, MOTA, RETA, SQT, CEY, MCH1, MCH1, STRD.

2013 JUL

Table with columns: STRD, Name, Time, Error, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like JAVS, BFO, BFO, VAY, SKO, MONM, MONM, OUR, OUR, OUR, VLD, SWN1, SWN1, HMNX, HMNX, WOL, WOL, UPM, F48A, H46A, GLMI, G47A, FETA, RYI, N40A, D51A, L42A, L42A, PLG, DAVA, K43A, K43A, E50A, RSBS, RSBS, M41A, F49A, ECH, ECH, H47A, BRY, I46G, PDG, TTT, TTT, PPH, E51A, D52A, FUORN, N41A, N41A, TREB, H48A, H48A, DRME, D53A, D53A, HCY, STON, L44A, OHR, LIT, LIT, TOBO, I48A, F51A, D54A, TIR, TIR, TIR, TIR, TUE, XOR, HTL, HTL, E52A, WMOK, WMOK, WMOK, F52A, K46A, KLBO, E53A, M44A, M44A, SMIA, HDIL, HDIL, E54A, I49A, I49A, BMRO, ALGO, L46A.

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Table with columns: L46A, Name, Time, Error, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like Eue Claire, Bridge Port, Bridge Port, Vermontville, ATAL, ATAL, LKR, AGG, AGG, BRCO, J49A, SENIN, TUL1, TUL1, BASO, K48A, K48A, CCA1, CCA1, BWLO, PMOR, H52A, P43A, G53A, PEMO, DSF, L47A, O44A, JSA, JSA, ABTX, ANX, TX31, LTX, TXAR, TXAR, TXAR, F55A, IGT, IGT, IGT, I51A, KALE, KALE, SERG, BANO, DID, DID, L48A, CCM, CCM, CCM, LAKA, LAKA, HHAR, TRQ, GUR, GUR, SFIN, L49A, VLC, G55A, PLVO, PLVO, LKD2, M48A, HPIG, N47A, PPT, PPT, PPT, ACTO, EVGI, ORIO, RLS, PKRO, TRIP, DELO, DELO, J52A, AQU, MATE, U40A, M49A, L50A, X37A, H55A, TORO, N48A, DRWO, DRCO, LAST, P46A, WLVO, BNI.

BNI	Bardonecchia	85.03	332	eP	P	14 21 57.5	-0.4
BNI					pmax		
I55A	Frankend	85.03	30	P	P	14 21 57.1	-0.6
VLS	Valsamata	85.05	320	P	P	14 21 57.4	-0.6
K52A	Tiltsenburg	85.11	32	P	P	14 21 58.3	+0.2
TYNO	Tyneside	85.17	32	P	P	14 21 58.2	-0.2
ITM	Ithomi	85.19	318	eP	P	14 21 57.8	-0.9
ITM	Ithom	85.19	318	P	P	14 21 57.8	-0.9
PLIO	Pelee Island,	85.20	34	P	P	14 21 58.6	0.0
H56A	Elgin	85.21	29	P	P	14 21 58.1	-0.5
N49A	Columbus Grove	85.24	35	eP	P	14 21 58.6	-0.2
N49A	Columbus Grove	85.24	35	P	P	14 21 58.8	0.0
W39A	Magazine	85.27	45	eP	P	14 21 58.5	-0.6
W39A	Magazine	85.27	45	P	P	14 21 59.2	+0.1
M50A	Fremont	85.32	34	eP	P	14 21 59.1	-0.1
M50A	Fremont	85.32	34	P	P	14 21 59.1	-0.1
STCO	Saint Catharin	85.34	31	P	P	14 21 59.2	-0.1
KTHA	Kythira Island	85.36	317	P	P	14 21 58.0	-1.5
O48A	Farmland	85.37	36	P	P	14 21 59.3	-0.2
KTHR	Kythira	85.38	317	P	P	14 21 58.5	-1.1
SIVA	Sivas	85.42	315	P	P	14 22 00.1	+0.3
J54A	Appleton	85.48	31	eP	P	14 21 59.8	-0.2
J54A	Appleton	85.48	31	P	P	14 21 59.9	-0.2
IMMV	Iera Moni Meta	85.51	316	P	P	14 22 00.1	-0.2
P47A	Martinsville	85.51	38	P	P	14 22 00.1	-0.1
PYL	PYLOS	85.51	318	eP	P	14 21 58.9	-1.4
PYL	PYLOS	85.51	318	P	P	14 21 59.9	-1.4
PECO	Prince Edward	85.52	29	eP	P	14 21 59.5	-0.7
PECO	Prince Edward	85.52	29	P	P	14 21 59.6	-0.5
JCT	Junction City	85.53	52	eP	P	14 22 00.6	0.0
JCT	Junction City	85.53	52	eP	pmax	14 22 00.6	0.0
JCT	Junction City	85.53	52	P	pmax	14 22 00.9	+0.3
ANKY	Antikythira Is	85.54	316	eP	P	14 21 59.0	-1.4
ANKY	Antikythira Is	85.54	316	P	P	14 21 59.0	-1.4
SSB	Saint Sauveur	85.54	334	eP	P	14 22 00.3	0.0
SSB	Saint Sauveur	85.54	334	eP	pmax	14 22 00.4	0.0
S44A	Carbondate	85.57	41	P	P	14 22 00.9	+0.4
FRAR	Ozark Folk Cen	85.58	43	eP	P	14 22 00.3	-0.3
MEDO	Medina	85.65	31	P	P	14 22 00.7	-0.1
PBMO	Poplar Bluff	85.73	42	eP	P	14 22 01.4	+0.1
WHTX	Lake Whitney,	85.74	49	eP	P	14 22 01.7	+0.3
WHTX	Lake Whitney,	85.74	49	P	P	14 22 02.0	+0.5
LONY	Lake Ozonia	85.76	27	eP	P	14 22 00.7	-0.7
LONY	Lake Ozonia	85.76	27	P	P	14 22 00.6	-0.7
O49A	Covington	85.78	36	eP	P	14 22 01.1	-0.4
O49A	Covington	85.78	36	P	P	14 22 01.5	0.0
J55A	Hilton	85.80	30	eP	P	14 22 01.0	-0.5
J55A	Hilton	85.80	30	P	P	14 22 01.0	-0.5
N50A	Nevada	85.81	35	P	P	14 22 01.8	+0.1
MIAR	Mount Ida	85.89	45	eP	P	14 22 02.4	+0.2
MIAR	Mount Ida	85.89	45	eP	pmax	14 22 02.4	+0.2
MIAR	Mount Ida	85.89	45	P	pmax	14 22 02.6	+0.5
M52A	Chesterland	85.90	33	eP	P	14 22 01.9	-0.2
M52A	Chesterland	85.90	33	P	P	14 22 02.4	+0.2
FRNY	Flat Rock	85.90	27	eP	P	14 22 01.0	-1.0
P48A	Milroy	85.91	37	P	P	14 22 01.9	-0.3
MOQ	Mont Orford	85.91	26	eP	P	14 22 02.2	0.0
BATC	Bathurst New B	85.93	21	eP	P	14 22 02.2	+0.1
PQI	Presque Isle	85.95	22	eP	P	14 22 01.8	-0.5
ERPA	Erie	85.95	32	eP	P	14 22 02.2	-0.2
ERPA	Erie	85.95	32	P	P	14 22 02.5	+0.1
WHAR	Woolly Hollow	85.97	44	eP	P	14 22 02.5	-0.1
L53A	Girard	85.99	32	P	P	14 22 02.5	-0.1
N51A	Ashland	86.01	34	P	P	14 22 02.3	-0.4
N51A	Ashland	86.01	34	P	P	14 22 02.5	-0.1
TIP	Timpagrande	86.01	323	eP	P	14 22 02.5	-0.3
TIP	Timpagrande	86.01	323	P	P	14 22 02.5	-0.3
K54A	Basilliko Farm	86.03	31	P	P	14 22 02.5	-0.2
W41B	Gary Mavity, V	86.08	44	eP	P	14 22 02.9	-0.2
W41B	Gary Mavity, V	86.08	44	P	P	14 22 03.1	0.0
L54A	Sinclairville	86.12	32	P	P	14 22 03.1	-0.1
O50A	Cable	86.12	36	P	P	14 22 03.2	0.0
P49A	Miami Univ. Ec	86.16	37	P	P	14 22 03.3	-0.2
K55A	Perry	86.17	31	P	P	14 22 03.2	-0.2
Q48A	North Vernon	86.20	38	P	P	14 22 03.7	0.0
MMNY	Mt. Morris Dam	86.22	31	eP	P	14 22 03.0	-0.7
M53A	W. Miller and	86.26	33	P	P	14 22 04.1	+0.2
S46A	Don Dixon Farm	86.31	40	P	P	14 22 04.4	+0.2
X40A	Basin Creek Fa	86.31	45	eP	P	14 22 04.3	+0.1
X40A	Basin Creek Fa	86.31	45	P	P	14 22 04.5	+0.2
ACSO	Alum Creek Sta	86.33	35	eP	P	14 22 04.2	0.0
ACSO	Alum Creek Sta	86.33	35	P	P	14 22 04.3	+0.1
N52A	McGinn's Farm,	86.38	34	P	P	14 22 04.5	0.0
T45A	Paducah	86.40	41	P	P	14 22 04.9	+0.2
NCB	Newcomb	86.45	28	eP	P	14 22 03.9	-0.9
P50A	Jamestown	86.50	36	P	P	14 22 05.1	0.0
L55A	Hinsdale	86.50	31	P	P	14 22 04.9	-0.2
Q49A	Aurora	86.51	37	P	P	14 22 05.1	0.0
WCI	Wyandotte Cave	86.52	38	eP	P	14 22 05.1	-0.1
WCI	Wyandotte Cave	86.52	38	eP	pmax	14 22 05.1	-0.1
WCI	Wyandotte Cave	86.52	38	P	P	14 22 05.4	+0.2
O51A	Pataskala	86.55	35	P	P	14 22 05.5	+0.1
M54A	Oil Creek Stat	86.60	32	eP	P	14 22 05.5	-0.1
M54A	Oil Creek Stat	86.60	32	P	P	14 22 05.5	-0.1
VT1	Waterbury	86.62	26	eP	P	14 22 05.8	+0.1
N53A	Lisbon	86.73	33	eP	P	14 22 06.0	-0.2
N53A	Lisbon	86.73	33	P	P	14 22 06.3	0.0
T46A	Princeton	86.74	40	P	P	14 22 06.8	+0.5
H06N1	SOCORRO T-PHASE	86.80	67	T	T	15 58 19.9	
PKME	Peaks-Kenny Pk	86.87	24	eP	P	14 22 06.6	-0.1
PKME	Peaks-Kenny Pk	86.87	24	P	P	14 22 06.8	0.0
O52A	Adamsville	86.90	34	eP	P	14 22 06.9	-0.2
O52A	Adamsville	86.90	34	P	P	14 22 07.1	0.0
P51A	Williamsport	86.92	36	P	P	14 22 07.1	-0.1
N54A	Moraine State	86.94	33	eP	P	14 22 06.5	-0.7
N54A	Moraine State	86.94	33	P	P	14 22 07.5	+0.3
LBNH	Lisbon	86.97	26	P	P	14 22 07.7	+0.3
R49A	Shelbyville	86.98	38	P	P	14 22 07.7	+0.2
M55A	Ridgely	86.98	32	P	P	14 22 07.4	0.0
O53A	New Philadelph	87.05	34	P	P	14 22 07.9	+0.2
Q50A	Getorgetown	87.05	36	P	P	14 22 08.1	+0.3
S48A	Wiedeman Farm,	87.10	39	P	P	14 22 08.2	+0.2
T47A	Sharon Grove	87.16	40	eP	P	14 22 08.6	+0.2
T47A	Sharon Grove	87.16	40	P	P	14 22 08.7	+0.4
U46A	Springville	87.16	41	eP	P	14 22 08.7	+0.3
ACCN	Adirondack Com	87.17	27	eP	P	14 22 08.0	-0.3
Q51A	Peebles	87.17	36	eP	P	14 22 08.4	0.0
Q51A	Peebles	87.17	36	P	P	14 22 08.5	0.0
P52A	Corning	87.18	35	P	P	14 22 08.2	-0.2
M56A	Emporium	87.19	31	P	P	14 22 08.5	0.0
X43A	Marvell	87.29	44	P	P	14 22 09.5	+0.5
S49A	Springfield	87.34	38	P	P	14 22 09.6	+0.3
R50A	Paris	87.36	37	eP	P	14 22 09.4	+0.1
R50A	Paris	87.36	37	P	P	14 22 09.4	+0.1
T48A	Bowling Green	87.39	39	P	P	14 22 09.7	+0.2
WVL	Waterville	87.39	24	eP	P	14 22 09.2	-0.1
O54A	Ave., 12nm, 0.8s	87.44	33	P	P	14 22 10.1	+0.4
N55A	Marion Center	87.49	32	eP	P	14 22 09.9	+0.1
N55A	Marion Center	87.49	32	P	P	14 22 10.0	+0.1
WVT	Waverly	87.51	41	eP	P	14 22 09.8	-0.2
WVT	Waverly	87.51	41	eP	pmax	14 22 09.8	-0.2
WVT	Waverly	87.51	41	P	pmax	14 22 10.3	+0.3
U47A	Clarksville	87.51	40	P	P	14 22 10.4	+0.4
LMN	Caledonia Moun	87.57	21	eP	P	14 22 10.3	+0.1
L58A	Harry Jones Me	87.58	30	P	P	14 22 10.3	0.0
P53A	Whipple	87.62	34	eP	P	14 22 10.3	-0.2
P53A	Whipple	87.62	34	P	P	14 22 10.6	+0.1
V46A	Holiday	87.63	41	P	P	14 22 10.8	+0.1
N56A	West Decatur	87.64	32	P	P	14 22 10.7	0.0
R51A	Hillsboro	87.67	37	P	P	14 22 10.9	+0.1
Q52A	Bidwell	87.69	35	P	P	14 22 10.6	-0.3
GGN	Saint George	87.70	22	eP	P	14 22 10.4	-0.4
T49A	Edmonton	87.79	38	eP	P	14 22 11.4	0.0
T49A	Edmonton	87.79	38	P	P	14 22 11.7	+0.3
U48A	Cassie Pea, Po	87.81	39	P	P	14 22 11.7	+0.2
S50A	Richmond	87.83	37	P	P	14 22 11.7	+0.1
O55A	Ligonier	87.85	33	P	P	14 22 11.8	+0.1
V47A	Nunnely	87.90	41	P	P	14 22 12.1	+0.2
EMMV	East Machias	87.91	23	eP	P	14 22 11.6	-0.1
M58A	Price's Panora	87.94	30	P	P	14 22 12.1	0.0
KSPA	Keystone Colle	88.03	30	eP	P	14 22 12.2	-0.3
OXF	Oxford	88.03	43	eP	P	14 22 12.5	-0.1
OXF	Oxford	88.03	43	eP	pmax	14 22 12.5	-0.1
OXF	Oxford	88.03	43	P	pmax	14 22 12.8	+0.2
SSPA	Standing Stone	88.04	32	eP	P	14 22 12.6	+0.1
SSPA	Standing Stone	88.04	32	P	P	14 22 12.7	+0.2
R52A	Cattlettsburg	88.05	36	P	P	14 22 12.6	0.0
N57A	Milroy	88.06	31	P	P	14 22 12.9	+0.3
Q53A	Leroy	88.09	35	P	P	14 22 13.2	+0.4
O56A	Blue Knob Stat	88.09	32	P	P	14 22 13.0	+0.2
MCWV	Mont Chateau	88.10	33	eP	P	14 22 13.1	+0.2
MCWV	Mont Chateau	88.10	33	P	P	14 22 13.3	+0.4
U49A	Red Bolling Sp	88.16	39	eP	P	14 22 13.5	+0.4
M59A	Waymart	88.17	29	P	P	14 22 13.0	-0.2
T50A	Nancy	88.17	38	P	P	14 22 13.5	+0.3
S51A	Beattyville	88.22	37	eP	P	14 22 13.4	0.0
S51A	Beattyville	88.22	37	P	P	14 22 13.5	0.0
P55A	Reesville	88.24	33	P	P	14 22 14.0	+0.5
CLTN	Cedars of Leba	88.25	40	eP	P	14 22 13.8	+0.2
Q54A	Coxs Mills	88.27	34	eP	P	14 22 13.9	+0.3
Q54A	Coxs Mills	88.27	34	P	P		

16d 15h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like T56A Rocky Mt, U55A TA2, R58B Mineral, W53A Cullowhee, V54A Nebo, Z49A Columbiانا, X52A Dalhousie, T57A Hurt, Y51A Rockmart, U56A King, BG3 Lake Jocassee, Z50A Ashland, Z50A Ashland, 149A Jones, X53A Estanolee, T58A Grand View Acr, W54A Cherokee Point, Z51A Franklin, U57A Blanch, V56A Mocksville, Y52A Lilburn, 150A Eclectic, KM5C Kings Mountain, KM5C Kings Mountain, T59A Double "B" Far, X54A Belton, V57A Coltrane Farms, PAUL Pauline, Y53A Monroe, U58A Oxford, W56A Indian Trail, Y54A Tignal, G04A Godfrey, Z53A Monticello, W57A Gilead, X56A White Oak, Y55A Saluda, V59A Middlesex, KEST Kesra, KEST Kesra, W58A Raeford, V60A Jim Taylor Roa, POLO Lamas de Olo, MVO Moncorvo, MVO Moncorvo, 155A Kite, Y58A Scranton, 353A Camilla, ESDC Sonseca Array, ESDC Sonseca Array, ESLA Sonseca Array, PAB San Pablo, PAB San Pablo, MTE Manteigas, MTE Manteigas, PMRV Marv???, PMRV Marv???, PMTC Montargil, PNCL Nicolau / Gran, PVAQ Vaqueiros, PVAQ Vaqueiros, PTEO Sao Teotonio, TOA1 Torodi Ar. Bea, TORL Torodi Ar. Bea, TORL Torodi Ar. Bea, VVDA Vanda, VVDA Vanda, SBA Scott Base, SBA Scott Base, DBIC Dibicokro, MAW Mawson, MAW Mawson, MAW Mawson, BOSB Bossho, QSPA South Pole Qui, SYO Syowa Base, SYO Syowa Base, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, LVC Limon Verde, LVC Limon Verde, G002 Mina Guanaco, SNAA Sanae, SNAA Sanae, SNAA Sanae, C003 Copiapu, HJA Humahuaca

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like LCO Las Campanas, LCO Las Campanas, G004 Tololo Observa, AZAP Zapla, SLA San Lorenzo, VNA3 Neumayer Olym, VNA1 Neumayer-Sterat, FSA Cafatey, YCA Vinchina, AGUA GUANDACOL, PEL Peledue, PEL Peledue, BDFB Brasilia, ACLC CERRO LA CRUZ150, CY Choya, CPUP Villa Florida, CPUP Villa Florida, ISJC JB 16 14:36:06.0, I, 20:19S, 0:178:1W, Error ellipse: s-maj=22.3km, s-min=14.5km, az=15.3, IDC 16 14:36:08.5, 6.4, 20:161S: 178:22W, h506km, 62km, mb3.5/6, mb1 3.7/7, mb1mx3.3/24, mbtmp4.4/7, Error ellipse: s-maj=56.5km, s-min=31.0km, az=136.0, ISC 16 14:36:06.3, 0.1, 21:05S: 178:0W, 0.2, h495km, n13, 0:0941/13, mb4.3/6, Fiji Islands region

856

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h, m, s, ISC. Includes stations like s-min=18.6km, az=87.0, ISJC JB 16 14:56:07.6, 0.5, 29:67N, 0:06:14, E, 0.2, h46km, mb3.7/4, Error ellipse: s-maj=30.5km, s-min=4.3km, az=165.6, JMA 16 14:56:07.4, 29:77N: 141:76E, h50km, M3.7, ISC 16 14:56:10.1, 0.8, 29:65N: 0:08:14, E, 0.2, h46km, n15, 0:1942/13, mb3.8/4, Southeast of Honshu

Table with columns: KURS, Kuram, 2.98 12 Pg Pb, 15 09 53.9 +0.2, JPK Jack Peak, 2.71 262 ePn Pn, 15 17 18.1 +1.6

DDA 16 15:14:56.9,38.27N,38.18E,h6km,1km,ML2.8
ISK 16 15:14:56.8,38.34N,38.17E,h6km,ML1.7/4
ISCJB 16 15:14:57.0,6.0,38.32N,0.04,38.19E,0.04,h3km,8km,
Error ellipse: s-maj=5.9km s-min=5.3km az=176.3

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, AKCD Akcadag, 0.22 262 iP Pp, 15 15 02.0 +0.2

NEIC 16 15:16:31.1,0.0,61.54N,141.06W,h7km,ML2.9(AEIC),
ML3.0(OTT),After AEIC.
PGC 16 15:16:32.3,0.0,61.55N,141.08W,h5km,ML3.0/11,
210km Wnw of Haines Jct., Yt Southern Alaska,
Southern Alaska

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, YUK2 White River, 0.26 25 S Pp, 15 16 36.0 +0.5

Table with columns: JPK Jack Peak, 2.71 262 ePn Pn, 15 17 18.1 +1.6, FID Fort Fidalgo, 2.74 255 ePn Pn, 15 17 19.3 +2.4

DDA 16 15:18:02.4,36.97N,28.87E,h7km,gkm,ML2.6
ISCJB 16 15:18:03.4,0.5,36.95N,0.04,28.85E,0.03,h10km,Error
ellipse: s-maj=5.4km s-min=9.7km az=180.0
ISK 16 15:18:03.2,36.90N,28.82E,h13km,ML2.1/1
ISC 16 15:18:03.0,0.9,37.05N,0.04,28.89E,0.03,h10km,n19,
c1989/26,Turkey

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, TURN Turunc, 0.29 233 PG Sg, 15 18 13.1 +0.2

ISCJB 16 15:25:09.0,1.2,12.57N,0.06,89.02W,0.04,h19km,7km,
mb4.3/2, Error ellipse: s-maj=10.4km s-min=5.6km
az=26.2
NEIC 16 15:25:10.0,0.0,12.68N,89.00W,h22km,mb4.3/2,
MD4.0(SNET),After SNET.
NEIC Felt [I] in La Paz.
SNET 16 15:25:10.6,1.1,12.68N,89.00W,h22km,2km,ML4.0
ISC 16 15:25:11.0,1.9,12.69N,0.08,88.99W,0.05,h26km,13km,
n25,c075/35,1D,Off coast of central America

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, TECA Tecapa, 0.94 31 eP Pp, 15 25 28.2 +0.5

PAVA Las Pavas, 1.02 3 eP Pn, 15 25 29.6 +0.2
PAVA Loma Larga, 0.97 30 eP Pp, 15 25 29.3 +0.2
PACA Pacayal, 1.02 40 eS Pn, 15 25 29.4 +0.6

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, UUES Universidad Ev, 1.05 347 eP Pp, 15 25 30.4 +0.4

Table with columns: KONT Konya-Tatoy, 0.56 134 iP Pb, 15 25 55.8 +0.4, BOLV Bolivadin, 0.80 298 iP Pp, 15 25 59.2 -0.2

IDC 16 15:33:24.9,0.8,22.88S,171.10E,h0km,mb4.2/11,
mb1.4/3/12,mb1mx4.1/30,mbtmp4.2/12,ML4.1/1,MS3.4/12,
Ms1.3.4/12,ms1mx3.2/26,Error ellipse: s-maj=27.4km
s-min=20.4km az=147.0
NEIC 16 15:33:28.9,0.4,22.53S,170.82E,h16km,8km,mb4.5/4,
Error ellipse: s-maj=56.6km s-min=18.8km az=159.0
ISCJB 16 15:33:30.7,0.6,22.7S,0.1,170.73E,0.07,h42km,
mb4.2/13,MS3.5/9,Error ellipse: s-maj=19.6km
s-min=9.0km az=174.4

ISC 16 15:33:32.4,0.7,22.7S,0.2,170.77E,0.08,h42km,n47,
c125/42,mb4.1/13,MS3.5/9,Southeast of Loyalty
Islands

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, PINNC Pines Island, 3.07 270 ePn Pn, 15 34 17.4 +1.0

ISCJB 16 15:33:32.4,0.7,22.7S,0.2,170.77E,0.08,h42km,n47,
c125/42,mb4.1/13,MS3.5/9,Southeast of Loyalty
Islands

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, DZM Mont Dzumac, 4.04 278 ePn Pn, 15 34 30.9 -1.0

IDC 16 15:39:11.7,2.2,1.94N,126.74E,h0km,mb3.4/3,
mb1.3/6/3,mb1mx3.4/35,mbtmp3.4/3, Error ellipse:
s-maj=186.1km s-min=26.5km az=66.0, Northern
Molucca Sea

Table with columns: Code, Station Name, Delta, Az, Phase ID, Time Res, WRA Warramunga Arr, 22.98 161 P P, 15 44 19.7 +1.5

NIED 16 15:47:00,37.70N,143.70E,h5km,Mw3.6 Best double
couple: M3.31000x1014,11.71571.00000,1.624.00000,
1.49.00000, NP2=208.00000,372.00000,
1.106.00000
IDC 16 15:47:48.8,1.1,37.59N,143.91E,h0km,mb3.7/5,
mb1.3.9/9,mb1mx3.7/32,mbtmp3.8/9,ML3.9/3,MS3.0/3,
Ms1.3.0/3,ms1mx2.4/30,Error ellipse: s-maj=29.2km
s-min=19.8km az=94.0
ISCJB 16 15:47:51.1,0.5,37.68N,0.03,143.69E,0.4,h33km,
mb3.7/7,MS3.2/2,Error ellipse: s-maj=5.1km s-min=3.9km
az=9.0
JMA 16 15:47:51.7,0.2,37.70N,143.65E,h51km,M3.9
NEIC 16 15:47:52.6,1.5,37.65N,143.85E,h28km,8km,mb4.2/2,
Error ellipse: s-maj=24.8km s-min=11.6km az=78.0
ISC 16 15:47:53.5,1.0,37.70N,0.05,143.70E,0.08,h35km,n46,
c181/58,mb4.0/7,Off east coast of Honshu
Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations MD31, MDT, AEDAM, AKLM, etc.

ISCJB 16 16:33:34.3.1.4.24.1S:0.1*180.0W:0.2,h518km,mb4.1/5, Error ellipse: s-maj=24.8km s-min=15.6km az=172.1

ISC 16 16:33:34.2.8.3.23.97S:1.97W,h507km,103km, mb3.5/5,mb1.3.7/6,mb1mx3.2/27,mbmp4.4/6, Error ellipse: s-maj=62.5km s-min=27.7km az=10.0

ISC 16 16:33:35.1.1.4.24.1S:0.1*180.0W:0.2,h518km,n6, a=1508.7,mb4.1/5, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations URZ, CTA, STKA, ASAR, WRA, TXAR, etc.

ISCJB 16 16:41:47.4.0.4.54.25N:0.03:86.15E:0.04,h0km, Error ellipse: s-maj=4.6km s-min=2.6km az=43.9

NNC 16 16:41:53.0.3.1.53.99N:85.91E,h0km,mb3.8,mpv3.4, Error ellipse: s-maj=29.0km s-min=20.1km az=167.0, Suspected Mining explosion.

ISC 16 16:41:48.0.9.54.27N:0.03:86.13E:0.03,h0km,n25, a=959/42,4C-20, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations SALR, ELT, KEM, KHAR, LUZB, etc.

ISCJB 16 17:06:22.4.1.6.32.22N:47.41E,h17km,14km,ML2.9 Error ellipse: s-maj=24.8km s-min=6.8km az=17.3

THR 16 17:06:27.1.32.49N:47.55E,h18km,ML2.8 Error ellipse: s-maj=24.8km s-min=6.8km az=17.3

ISC 16 17:06:23.6.1.3.32.22N:47.41E,h10km,n5, a=1841/8,Iran-Iraq border region

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

ISCJB 16 17:26:56.2.5.7.13.74N:84.05W,h33km,141km,MW4.1, Nicaragua

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations ESPN, MATN, RCON, etc.

ISCJB 16 17:01:48.1.0.3.67.05N:0.02:20.99E:0.07,h0km, Error ellipse: s-maj=3.8km s-min=2.9km az=1.6

UPP 16 17:01:48.2.0.1.67.08N:20.95E,h1km,ML1.6, Explosion HEL 16 17:01:48.0.0.0.67.08N:20.93E,h0km,ML1.0(UQP), Explosion

ISC 16 17:01:50.8.0.8.67.09N:21.30E,h0km,mb1.3/0.4, mb1mx2.9/38,mbmp3.0/4,ML2.1/4, Error ellipse: s-maj=15.2km s-min=6.4km az=113.0

NAO 16 17:01:51.1.0.9.67.10N:21.03E,ML2.6 BER 16 17:01:53.2.4.0.67.10N:20.86E,h0km,ML1.5, ML2.6(NAO), Suspected explosion

ISC 16 17:01:48.5.0.7.67.10N:0.02:20.94E:0.02,h0km,n53, a=165/68, Sweden

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations DUNU, MASU, ERTU, etc.

ISCJB 16 17:28:43.8.0.2.24.89N:123.18E,h23km,ML2.1, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations YOJ, YJY, IRIF, etc.

ISCJB 16 17:28:43.8.0.2.24.89N:123.18E,h23km,ML2.1, Southwestern Ryukyu Islands

ISC 16 17:35:06.6.0.6.6.49S:0.07:154.95E:0.07,h56km, mb4.0/11,MS3.7/1, Error ellipse: s-maj=11.7km s-min=8.4km az=143.9

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations STEI, OULU, ARAO, etc.

ISCJB 16 17:29.8.1.5.17.03N:115.1E:0.1,h56km,n26, a=081/26,mb4.0/11,Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations RABL, HNR, PMG, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

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

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

ISCJB 16 17:46:32.5.1.0.4.78S:134.02E,h0km,mb4.0/4, mb1.4/11,mb1mx2.0/30,mbmp4.3/10,ML2.4/1,MS3.1/6, Ms1.3.2/6,ms1mx2.9/34, Error ellipse: s-maj=30.9km s-min=18.4km az=63.0

BUI 16 17:46:32.8.0.0.5.11S:134.32E,h33km,mb4.5/21, mb4.9/13,Ms4.6/1

ISCJB 16 17:46:33.2.0.3.4.87S:0.03:134.05E:0.03,h28km, mb4.6/17, Error ellipse: s-maj=4.4km s-min=4.1km az=36.7

NEIC 16 17:46:35.6.3.1.4.72S:134.15E,h34km,6km,mb4.7/14, Error ellipse: s-maj=14.4km s-min=6.1km az=56.0

DJA 16 17:46:37.0.0.3.5.5.4.13.4E,h54km,21km,M4.6/11, mb5.0/7,mb5.2/1,MLV4.5/11,MW(PL)4.7/1

ISC 16 17:46:35.0.5.4.83S:0.05:134.08E:0.05,h28km,n54, a=284/61,mb4.6/17,Irian Jaya region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations FAKI, SRPI, BNDI, etc.

KARP	Karpathos	2.14	53	P	Pb	18 57 50.1	-1.2	LKR	Lokris	4.68	340	P	Pn	18 58 22.2	+0.1	MMAI	comp=Z,5.9nm,0.3s,baz=262,slow=12,SNR=15	Sn	19 00 50.6	-4.3			
KARP	Karpathos	2.14	53	P	Pb	18 57 49.3	-2.0	LAKA	Lakka	4.68	329	ePn	Pn	18 58 22.7	+0.5	AMAZ	comp=Z,2.2nm,0.3s,baz=284,slow=21,SNR=14	Sn	19 00 17.3	-0.3			
KARP	comp=E,2681µm,0.6s			AML	AML	18 58 37.0		LAKA	Lakka	4.68	329	P	Pn	18 58 22.7	+0.5	AMAZ	Amazia	8.72	106	Pn	19 00 50.2	-4.9	
KARP	comp=N,3229µm,0.8s			AML	AML	18 58 46.8		LAKA	Lakka	4.68	329	P	Pn	18 58 22.7	+0.5	AMAZ	Amazia	8.72	106	Pn	19 00 50.2	-4.9	
THR3	Thira Island	2.15	7	ePn	Pn	18 57 49.0	+1.6	GOLH	Golhisar	4.70	50	P	Pn	18 58 24.1	+1.7	BR13	Keskin Array S	8.75	49	ePn	Pn	18 59 19.0	+0.8
THR3	Thira Island	2.15	7	P	Pn	18 57 49.0	+1.6	ATAI	Atlanti	4.71	340	P	Pn	18 58 23.2	+0.7	BRTR	Keskin Array B	8.75	49	ePn	Pn	18 59 16.6	-1.6
THR3	Thira Island	2.15	7	P	Pn	18 57 48.4	+0.0	KALE	Kalitha	4.74	331	P	Pn	18 58 23.0	-0.1	BRTR	comp=Z,0.3nm,0.3s,baz=228,slow=11,SNR=14	LR	19 03 41.2				
ANKY	Antikythira Is	2.15	318	eP	Pn	18 57 48.6	+1.2	AKUM	Antalya-Kumluc	4.78	63	P	Pn	18 58 24.3	+0.9	BRTR	comp=Z,3.355nm,19.4s,baz=236,slow=45	LR	19 03 41.2				
ANKY	Antikythira Is	2.15	318	P	Sb	18 57 48.6	+1.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	Keskin Array B	8.75	49	ePn	Pn	18 59 18.7	+0.5
ANKY	Antikythira Is	2.15	318	S	Sb	18 58 16.2	-1.6	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,2.0nm,0.5s	LR	19 03 41.2				
ANKY	Antikythira Is	2.15	318	P	Pn	18 57 48.7	+1.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANKY	Antikythira Is	2.15	318	P	AML	18 58 34.5		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANKY	Antikythira Is	2.15	318	P	AML	18 58 40.6		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
THR5	Thira Island	2.15	6	P	Pn	18 57 47.6	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
THR5	Thira Island	2.15	6	P	Pn	18 57 48.3	+0.9	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANAF	Anafi Island	2.16	15	P	Pn	18 57 48.0	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANAF	Anafi Island	2.16	15	P	AML	18 58 36.0		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANAF	comp=E,4762µm,0.5s			AML	AML	18 58 42.6		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ANAF	comp=N,6555µm,0.4s			AML	AML	18 58 42.6		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SAP3	Santorini-Thir	2.17	6	P	Pn	18 57 48.2	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SAP3	Santorini-Thir	2.17	6	P	Pn	18 57 48.3	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
MHLO	Agia Marina, M	2.48	347	P	Pn	18 57 52.8	+1.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
MHLO	Agia Marina, M	2.48	347	P	Pn	18 57 52.5	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
MHLO	Plaka, Milos I	2.53	348	P	Pn	18 57 52.9	+0.3	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	Kythira Island	2.57	321	P	Pn	18 57 54.5	+1.3	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	Kythira Island	2.57	321	P	Pn	18 57 54.9	+1.7	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	Kythira Island	2.57	321	P	AML	18 58 48.2		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	comp=N,1879µm,0.9s			AML	AML	18 58 53.6		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	comp=E,3089µm,1.0s			AML	AML	18 57 54.9	+1.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
KTHA	Kythira	2.61	320	P	Pn	18 57 54.2	+0.1	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
AMGA	Amorgos Island	2.64	15	AML	AML	18 58 48.6		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
AMGA	comp=E,1612µm,1.1s			AML	AML	18 59 00.2		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
AMGA	comp=N,2129µm,0.8s			AML	AML	18 59 00.2		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SLUM	Salum	2.77	177	P	Pn	18 57 57.3	+1.3	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SLUM	baz=182			AMP	AMP	18 58 00.0		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SLUM	baz=182			AMP	AMP	18 58 00.0		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
APE	Apeiranthos	2.82	8	PN	Pn	18 57 56.8	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
APE	Apeiranthos	2.82	8	ceP	Pn	18 57 57.1	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
APE	Apeiranthos	2.82	8	P	Pn	18 57 57.1	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SERI	Serifos	2.92	351	P	Pn	18 57 58.0	0.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SERI	Serifos	2.92	351	P	AML	18 59 01.4		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SERI	comp=N,571µm,0.8s			AML	AML	18 59 05.7		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
SERI	comp=E,774µm,1.2s			AML	AML	18 57 59.2	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
VLI	Velia	3.00	325	ePn	Pn	18 57 59.2	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
VLI	Velia	3.00	325	P	Pn	18 57 59.2	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
VLI	Velia	3.00	325	P	Pn	18 57 59.2	+0.2	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
VLI	Velia	3.00	325	P	AML	18 59 02.9		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
VLI	comp=N,1444µm,0.7s			AML	AML	18 59 25.7		SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ARG	Arkhangelos	3.17	51	PN	Pn	18 58 01.8	+0.5	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ARG	Arkhangelos	3.17	51	P	Pn	18 58 03.1	+1.8	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
ARG	Arkhangelos	3.17	51	P	Pn	18 58 03.1	+1.8	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	PN	Pn	18 58 02.7	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	Pn	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				
DAT	Datca	3.20	39	iP	AML_P	18 58 03.9	+2.0	SEKUM	Sergoula	4.80	330	P	Pn	18 58 24.0	+0.3	BRTR	comp=Z,1.1nm,0.8s,comp=Z,0.6nm	LR	19 03 41.2				

16d 19h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PSCGX Pisagua, MNMC Minye Minye, and many others.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like URZ comp=Z,1um,18.0s, CHIC comp=Z,1um,18.0s, and many others.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like CAN Canberra, CAN comp=Z,24nm,1.2s, and many others.

556A 556A	Williston	93.73 343	PFAKE P	LR	19 55 20.0 +10
CTAO CTAO	Charters Tower Charters Tower	93.83 207 93.83 207	P PFAKE	P	19 55 12.2 +0.8 19 55 20.0 +8.6
657A	Interlachen	93.86 343	P	P	19 55 12.3 +1.3
556A	Lake Butler	94.34 343	P	P	19 55 15.4 +2.2
555A 555A	McAlpin	94.53 342	PFAKE P	LR	19 55 30.0 +16
454A	Quitman	95.21 342	P	P	19 55 18.0 +0.8
PSAC1 PSAC1	Pilbara Seismi	95.40 182	PFAKE P	LR	19 55 30.0 +11
452A	Marianna	95.57 341	P	P	19 55 19.4 +0.6
833A 833A	Chaparral WMA	95.89 328	PFAKE P	LR	19 55 30.0 +10
WB2 WB2	Warramunga Arr	95.94 196	PFAKE P	LR	19 55 30.0 +8.9
WRA WRA	Warramunga Arr	95.94 196 95.94 196	P eP	P	19 55 19.0 -2.1 19 55 19.0 -2.1 19 55 20.0 -1.1
WRAB WRAB	Tennant Creek	95.95 196	LR	LR	19 55 20.5 -0.6
WC1 WC1	Warramunga Arr	95.96 196	PFAKE P	LR	19 55 30.0 +8.8
352A 352A	Blakely	96.15 341	PFAKE P	LR	19 55 30.0 +8.6
HPIG HPIG	Hazlehurst	96.19 322	PFAKE P	LR	19 55 30.0 +8.0
255A 255A	Hazlehurst	96.25 343	PFAKE P	LR	19 55 30.0 +8.1
254A	Abbeville	96.37 342	P	P	19 55 23.7 +1.3
253A 253A	Americus	96.60 342	PFAKE P	LR	19 55 30.0 +6.5
HKT HKT	Hockley	96.64 331	PFAKE P	LR	19 55 30.0 +6.4
251A	Midway	96.82 341	P	P	19 55 27.1 +2.6
250A 250A	Grady	96.84 340	PFAKE P	LR	19 55 40.0 +15
154A	Montrose	97.01 343	PFAKE P	LR	19 55 40.0 +15
NHSC NHSC	New Hope	97.13 345	PFAKE P	LR	19 55 40.0 +14
152A 152A	Waverly Hall	97.28 341	PFAKE P	LR	19 55 40.0 +13
150A	Eclectic	97.42 340	P	P	19 55 27.0 -0.1
Z56A Z56A	Williston	97.48 344	PFAKE P	LR	19 55 40.0 +12
149A	Jones	97.53 340	P	P	19 55 26.1 -1.5
252A	Monticello	97.72 342	P	Pdf	19 55 29.1 +0.5
Z53A	Williamson	97.75 342	P	Pdf	19 55 29.9 +1.2
VBMS VBMS	Vicksburg	97.79 336	PFAKE P	LR	19 55 40.0 +11
Y60A Y60A	Bolivia	97.80 347	PFAKE P	LR	19 55 40.0 +11
Y60A	Bolivia	97.80 347	P	Pdf	19 55 30.4 +1.5
435B 435B	Jarrell	97.83 330	PFAKE P	LR	19 55 40.0 +11
GOGA GOGA	Godfrey	97.84 342	PFAKE P	LR	19 55 40.0 +11
147A 147A	Livingston	97.84 338	PFAKE P	LR	19 55 40.0 +11
Y58A Y58A	Scranton	97.86 346	PFAKE P	LR	19 55 40.0 +11
TXAR TXAR	Lajitas Array	97.93 325 97.93 325	P PP	P	19 55 29.2 -0.4 19 59 33.4 +4.6
TXAR					20 12 04.3 -0.6
TXAR					20 21 59.3
TX31	Lajitas Ar. Si	97.93 325	eP	P	19 55 28.9 -0.8
LRAL LRAL	Lakeview Retre	97.99 339	PFAKE P	LR	19 55 40.0 +10
MSEY MSEY	Mahe Island	98.02 117	PFAKE P	LR	19 55 40.0 +9.4
Z50A Z50A	Ashland	98.04 340	eP	P	19 55 29.1 -0.9
Z50A	Ashland	98.04 340	LR	LR	19 55 29.3 -0.6
Y57A Y57A	Sumter	98.05 345	PFAKE P	LR	19 55 40.0 +10
JCT JCT	Junction City	98.06 328	PFAKE P	LR	19 55 40.0 +10
JCT	Junction City	98.06 328	P	Pdf	19 55 31.6 +1.4
Z49A	Columbiana	98.07 340	P	P	19 55 29.7 -0.4
NATX NATX	Nacogdoches	98.14 333	PFAKE P	LR	19 55 40.0 +9.5
Y52A Y52A	Lilburn	98.37 342	PFAKE P	LR	19 55 40.0 +8.5
JSC JSC	Jenkinsville	98.42 344	PFAKE P	LR	19 55 40.0 +8.4
X58A X58A	Rowland	98.46 346	PFAKE P	LR	19 55 40.0 +8.2
HODGE HODGE	Hodges	98.49 344	PFAKE P	LR	19 55 40.0 +8.0
X56A	White Oak	98.59 345	P	Pdf	19 55 34.1 +1.7
Y50A	Piedmont	98.64 341	P	Pdf	19 55 33.8 +1.2
BIRD BIRD	Birdtown, Kers	98.68 345	PFAKE P	LR	19 55 40.0 +7.2
Y49A	Blount Mountai	98.70 340	eP	P	19 55 32.4 -0.6
Y49A	Blount Mountai	98.70 340	P	Pdf	19 55 33.9 +0.9
X54A	Belton	98.81 344	P	Pdf	19 55 34.2 +0.8
X53A	Estanollee	98.89 343	P	Pdf	19 55 34.3 +0.5
WHTX	Lake Whitney,	98.97 331	PFAKE		19 55 50.0 +16

WHTX	comp=Z,300nm,19.0s				
CNNC CNNC	Cliffs of the	98.99 347	PFAKE P	LR	19 55 50.0 +16
PAULI PAULI	Pauline	99.01 344	PFAKE P	LR	19 55 50.0 +16
X52A	Dahleong	99.07 342	P	Pdf	19 55 35.6 +1.0
W57A W57A	Gilead	99.13 346	PFAKE P	LR	19 55 50.0 +15
W57A	Gilead	99.13 346	P	Pdf	19 55 35.8 +1.1
V62A V62A	Hyde County Ai	99.13 349	PFAKE P	LR	19 55 50.0 +15
X51A X51A	Calhoun	99.17 342	PFAKE P	LR	19 55 50.0 +15
X50B	Fort Payne	99.18 341	P	Pdf	19 55 36.0 +0.9
Z41A Z41A	Richland Creek	99.23 335	PFAKE P	LR	19 55 50.0 +15
KMSC KMSC	Kings Mountain	99.27 345	PFAKE P	LR	19 55 50.0 +15
KMSC	Kings Mountain	99.27 345	P	Pdf	19 55 36.9 +1.5
W54A	Cherokee Point	99.32 344	P	Pdf	19 55 37.1 +1.5
BG3 BG3	Lake Jocassee	99.33 343	PFAKE P	LR	19 55 50.0 +14
X48A X48A	Hartselle	99.39 340	PFAKE P	LR	19 55 50.0 +14
X48A	Hartselle	99.39 340	P	Pdf	19 55 36.7 +0.8
V61A V61A	Roper	99.42 349	PFAKE P	LR	19 55 50.0 +14
V60A V60A	Jim Taylor Roa	99.45 348	PFAKE P	LR	19 55 50.0 +14
W53A	Cullowhee	99.53 343	P	Pdf	19 55 36.9 +0.2
W52A W52A	Murphy	99.56 342	PFAKE P	LR	19 55 50.0 +13
W52A	Murphy	99.56 342	P	Pdf	19 55 37.5 +0.7
V58A	Windy Hill, Pi	99.67 346	P	Pdf	19 55 39.4 +2.2
CCAR CCAR	Cane Creek	99.67 336	PFAKE P	LR	19 55 50.0 +13
HSIG HSIG	White Oak Lake	99.67 318	PFAKE P	LR	19 55 50.0 +13
WLAR WLAR	White Oak Lake	99.70 335	PFAKE P	LR	19 55 50.0 +13
X46A	Booneville	99.73 338	P	Pdf	19 55 39.2 +1.7
V56A V56A	Mocksville	99.83 345	PFAKE P	LR	19 55 50.0 +12
W50A W50A	Signal Mountai	99.86 341	PFAKE P	LR	19 55 50.0 +12
W49A	Belvidere	99.92 340	P	Pdf	19 55 40.2 +1.9
U61A U61A	Possum Corner	99.94 349	PFAKE P	LR	19 55 50.0 +12
V53A V53A	Saluda	99.98 343	PFAKE P	LR	19 55 50.0 +11
CPCT CPCT	Cooper Cave	99.99 342	PFAKE P	LR	19 55 50.0 +11
ABTX ABTX	Abilene, Hawle	100.07 329	PFAKE P	LR	19 55 50.0 +11
U59A U59A	Littleton	100.08 348	PFAKE P	LR	19 55 50.0 +11
V52A V52A	Sevierville	100.25 343	PFAKE P	LR	19 55 50.0 +10
V51A V51A	Loudon	100.31 342	PFAKE P	LR	19 55 50.0 +10
COEN COEN	Coen	100.41 205	PFAKE P	LR	19 55 50.0 +8.8
X40A X40A	Basin Creek Fa	100.42 335	PFAKE P	LR	19 55 50.0 +9.4
UALR UALR	University of	100.61 335	PFAKE P	LR	19 55 50.0 +8.6
MNTX MNTX	Cornudas Mount	100.62 324	PFAKE P	LR	19 55 50.0 +8.4
MIAR MIAR	Mount Ida	100.62 334	PFAKE P	LR	19 55 50.0 +8.5
T59A T59A	Double "B" Far	100.67 348	PFAKE P	LR	19 55 50.0 +8.4
U54A U54A	Nelsons Funny	100.69 344	PFAKE P	LR	19 55 50.0 +8.2
T60A T60A	Surry	100.77 349	PFAKE P	LR	19 55 50.0 +8.0
TAM TAM	Tamanrasset	100.86 61	PFAKE P	LR	19 55 50.0 +7.0
T57A T57A	Hurt	100.87 346	PFAKE P	LR	19 55 50.0 +7.5
CLTN CLTN	Cedars of Leba	100.88 341	PFAKE P	LR	19 55 50.0 +7.4
TZTN TZTN	Tazewell	100.93 343	PFAKE P	LR	19 55 50.0 +7.2
W41B W41B	Gary Mavity, V	100.98 336	PFAKE P	LR	19 55 50.0 +7.0
EPT EPT	El Paso	100.99 323	PFAKE P	LR	19 55 50.0 +6.7
X37A X37A	Clayton	101.03 333	PFAKE P	LR	19 55 50.0 +6.8
HBAR HBAR	Harrisburg	101.06 337	PFAKE P	LR	19 55 50.0 +6.6
BLA BLA	Blacksburg	101.21 346	PFAKE P	LR	19 56 00.0 +16
S61A S61A	Accomac	101.21 349	PFAKE P	LR	19 56 00.0 +16
W39A W39A	Magazine	101.30 334	PFAKE P	LR	19 56 00.0 +16
S58A S58A	Poland Farm, P	101.36 348	PFAKE P	LR	19 56 00.0 +15
319A 319A	Douglas	101.39 321	PFAKE P	LR	19 56 00.0 +15
T52A T52A	Hallie	101.42 343	PFAKE P	LR	19 56 00.0 +15
GLAT	Glass	101.53 338	PFAKE		19 56 00.0 +15

GLAT	comp=Z,600nm,21.0s				
S57A S57A	Dark Hollow, R	101.59 347	PFAKE P	LR	19 56 00.0 +14
FCAR FCAR	Ozark Folk Cen	101.65 336	PFAKE P	LR	19 56 00.0 +14
R58B R58B	Mineral	101.69 348	PFAKE P	LR	19 56 00.0 +14
PVMO PVMO	Portageville	101.74 338	PFAKE P	LR	19 56 00.0 +14
CBN CBN	Corbin Frederi	101.88 348	PFAKE P	LR	19 56 00.0 +13
WMOK WMOK	Wichita Mounta	101.90 330	PFAKE P	LR	19 56 00.0 +13
S51A S51A	Beattyville	102.02 343	PFAKE P	LR	19 56 00.0 +12
MSTX MSTX	Muleshoe	102.11 327	PFAKE P	LR	19 56 00.0 +12
R55A R55A	Marlinton	102.23 346	PFAKE P	LR	19 56 00.0 +11
TUL1 TUL1	Leonard	102.39 333	PFAKE P	LR	19 56 00.0 +11
R53A R53A	Hurricane	102.49 345	PFAKE P	LR	19 56 00.0 +10
TUC TUC	Tucson	102.71 320	PFAKE P	LR	19 56 00.0 +9.1
AMTX AMTX	Amarillo	102.72 328	PFAKE P	LR	19 56 00.0 +9.1
R50A R50A	Paris	102.75 343	PFAKE P	LR	19 56 00.0 +9.2
R49A R49A	Shelbyville	102.87 342	PFAKE P	LR	19 56 00.0 +8.6
FURI FURI	Furi	102.96 96	PFAKE P	LR	19 56 00.0 +7.2
Q54A Q54A	Coxs Mills	103.01 346	PFAKE P	LR	19 56 00.0 +8.1
SDMD SDMD	Soldier's Deli	103.03 349	PFAKE P	LR	19 56 00.0 +8.0
Y22D Y22D	IRIS PASSCAL I	103.28 323	PFAKE P	LR	19 56 00.0 +6.5
MTN MTN	Manton Dam	103.32 194	PFAKE P	LR	19 56 00.0 +5.9
Q51A Q51A	Peebles	103.35 344	PFAKE P	LR	19 56 00.0 +6.5
PSUB PSUB	Penn St. - Bra	103.42 350	PFAKE P	LR	19 56 10.0 +16
MCWV MCWV	Mont Chateau	103.57 346	PFAKE P	LR	19 56 10.0 +16
P53A P53A	Whipple	103.57 345	PFAKE P	LR	19 56 10.0 +16
MVL MVL	Millersville	103.57 349	PFAKE P	LR	19 56 10.0 +16
P51A P51A	Williamsport	103.77 344	PFAKE P	LR	19 56 10.0 +15
PAGS PAGS	Pennsylvania G	103.83 349	PFAKE P	LR	19 56 10.0 +14
ANMO ANMO	Albuquerque	103.98 324	PKIKP PFAKE	PKIKP	20 00 13.6 -0.3 19 56 10.0 +13
PMG PMG	Port Moresby	103.99 210	PFAKE P	LR	19 56 10.0 +13
SLM SLM	Saint Louis	103.99 338	PFAKE P	LR	19 56 10.0 +14
O56A O56A	Blue Knob Stat	104.04 347	PFAKE P	LR	19 56 10.0 +13
BRNJ BRNJ	B				

M54A M54A	comp=Z,600nm,21.0s Oil Creek Stat	105.38 347	PFAKE LR	LR	20 00 30.0 +14
T25A T25A	comp=Z,500nm,20.0s Trinidad	105.53 326	PFAKE LR	LR	20 00 30.0 +13
QUA2 QUA2	comp=Z,800nm,19.0s Belchertown	105.55 352	PFAKE LR	LR	20 00 30.0 +14
ALLY ALLY	comp=Z,800nm,20.0s Alegheny Coile	105.57 346	PFAKE LR	LR	20 00 30.0 +14
M52A M52A	comp=Z,500nm,19.0s Chesterland	105.59 345	PFAKE LR	LR	20 00 30.0 +14
WES WES	comp=Z,500nm,19.0s Weston	105.60 353	PFAKE LR	LR	20 00 30.0 +14
KSU1 KSU1	comp=Z,800nm,18.0s Kansas State U	105.63 333	PFAKE LR	LR	20 00 30.0 +13
M50A M50A	comp=Z,400nm,22.0s Fremont	105.66 344	PFAKE LR	LR	20 00 30.0 +14
HDIL HDIL	comp=Z,500nm,20.0s Hopedale	105.71 339	PFAKE LR	LR	20 00 30.0 +13
BINY BINY	comp=Z,900nm,21.0s Binghamton	105.72 350	PFAKE LR	LR	20 00 30.0 +13
HRV HRV	comp=Z,700nm,22.0s Adam Dzewonski	105.73 353	PFAKE LR	LR	20 00 30.0 +13
WUAZ WUAZ	comp=Z,600nm,18.0s Wupatki	105.88 320	PFAKE LR	LR	20 00 30.0 +13
M48A M48A	comp=Z,500nm,19.0s Edgerton	105.95 343	PFAKE LR	LR	20 00 30.0 +13
ERPA ERPA	comp=Z,800nm,22.0s Erie	106.01 347	PFAKE LR	LR	20 00 30.0 +13
CBKS CBKS	comp=Z,500nm,19.0s Cedar Bluff	106.02 331	PFAKE LR	LR	20 00 30.0 +13
TRY TRY	comp=Z,400nm,19.0s Troy	106.08 352	PFAKE LR	LR	20 00 30.0 +13
N41A N41A	comp=Z,500nm,20.0s Harden Midland	106.12 338	PFAKE LR	LR	20 00 30.0 +13
W13A W13A	comp=Z,600nm,20.0s Hualapai Mount	106.22 318	PFAKE LR	LR	20 00 30.0 +12
SNCC SNCC	comp=Z,500nm,21.0s San Nicolas Is	106.30 313	PFAKE LR	LR	20 00 30.0 +12
SDCO SDCO	comp=Z,1.1um,22.0s Great Sand Dun	106.38 326	PFAKE LR	LR	20 00 30.0 +12
RTC RTC	comp=Z,700nm,20.0s Rabat Centre	106.59 46	PFAKE LR	LR	20 00 30.0 +12
AAM AAM	comp=Z,3um,20.0s Ann Arbor	106.62 344	PFAKE LR	LR	20 00 30.0 +12
MVCO MVCO	comp=Z,600nm,20.0s Mesa Verde	106.66 323	PFAKE LR	LR	20 00 30.0 +11
L46A L46A	comp=Z,700nm,19.0s Eue Claire	106.69 342	PFAKE LR	LR	20 00 30.0 +12
FFD FFD	comp=Z,500nm,18.0s Franklin Falls	106.70 353	PFAKE LR	LR	20 00 30.0 +12
S22A S22A	comp=Z,700nm,20.0s 4UR Ranch, Cre	106.72 325	PFAKE LR	LR	20 00 30.0 +11
ACCN ACCN	comp=Z,800nm,20.0s Adirondack Com	106.73 352	PFAKE LR	LR	20 00 30.0 +12
KSCO KSCO	comp=Z,700nm,22.0s Kaye Shedlock	106.87 328	PFAKE LR	LR	20 00 30.0 +11
SOEI SOEI	comp=Z,700nm,21.0s Soe	106.94 187	PFAKE LR	LR	20 00 30.0 +10
K50A K50A	comp=Z,2um,18.0s Casco	106.96 345	PFAKE LR	LR	20 00 30.0 +11
HNH HNH	comp=Z,600nm,22.0s Hanover	106.97 353	PFAKE LR	LR	20 00 30.0 +11
U15A U15A	comp=Z,600nm,19.0s North Rim	106.99 320	PFAKE LR	LR	20 00 30.0 +10
J54A J54A	comp=Z,600nm,21.0s Appleton	107.02 348	PFAKE LR	LR	20 00 30.0 +11
ATD ATD	comp=Z,400nm,19.0s Arta Tunnel	107.16 99	PFAKE LR	LR	20 00 30.0 +10
L42A L42A	comp=Z,1.1um,19.0s Oliver, Polo	107.19 339	PFAKE LR	LR	20 00 30.0 +11
OSI OSI	comp=Z,700nm,22.0s Osito Audit: C	107.29 314	PFAKE LR	LR	20 00 30.0 +10
GSC GSC	comp=Z,500nm,22.0s Goldstone, Bar	107.31 316	PFAKE LR	LR	20 00 30.0 +10
NCB NCB	comp=Z,400nm,19.0s Newcomb	107.36 351	PFAKE LR	LR	20 00 30.0 +10
Q24A Q24A	comp=Z,500nm,20.0s Divide	107.44 326	PFAKE LR	LR	20 00 30.0 +10
LBNH LBNH	comp=Z,700nm,19.0s Lisbon	107.48 353	PFAKE LR	LR	20 00 30.0 +10
L40A L40A	comp=Z,600nm,19.0s Anamosa	107.50 338	PFAKE LR	LR	20 00 30.0 +10
J48A J48A	comp=Z,600nm,21.0s Bridge Port	107.62 344	PFAKE LR	LR	20 00 30.0 +10
VT1 VT1	comp=Z,800nm,22.0s Waterbury	107.62 352	PFAKE LR	LR	20 00 30.0 +10
HAL HAL	comp=Z,700nm,19.0s Halifax	107.62 359	PFAKE LR	LR	20 00 30.0 +10
PV13 PV13	comp=Z,1.1um,21.0s Radium Mtn., P	107.64 323	PFAKE LR	LR	20 00 30.0 +9.4
J47A J47A	comp=Z,700nm,18.0s Summer	107.69 343	PFAKE LR	LR	20 00 30.0 +10
WVL WVL	comp=Z,700nm,20.0s Waterville	107.69 355	PFAKE LR	LR	20 00 30.0 +10
SCIA SCIA	comp=Z,400nm,20.0s State Center	107.69 336	PFAKE LR	LR	20 00 30.0 +10
PV18 PV18	comp=Z,400nm,20.0s Skein Mesa, Pa	107.74 323	PFAKE LR	LR	20 00 30.0 +9.2
EMMW EMMW	comp=Z,700nm,19.0s East Machias	107.76 356	PFAKE LR	LR	20 00 30.0 +10
PV12 PV12	comp=Z,1.1um,22.0s Saucer Basin,	107.78 323	PFAKE LR	LR	20 00 30.0 +9.1
PV07 PV07	comp=Z,900nm,19.0s Paradox Valley	107.85 324	PFAKE LR	LR	20 00 30.0 +9.0
PV10 PV10	comp=Z,900nm,21.0s Paradox Valley	107.90 323	PFAKE LR	LR	20 00 30.0 +8.9
SHPR SHPR	comp=Z,600nm,19.0s Sheep Range	107.91 318	PFAKE LR	LR	20 00 30.0 +8.9
PV23 PV23	comp=Z,600nm,20.0s Carpenter Ridg	107.96 323	PFAKE LR	LR	20 00 30.0 +8.7

LONY LONY	comp=Z,800nm,19.0s Lake Ozonia	108.03 351	PFAKE LR	LR	20 00 30.0 +9.2
J45A J45A	comp=Z,600nm,21.0s Montague	108.09 342	PFAKE LR	LR	20 00 30.0 +9.0
SMCO SMCO	comp=Z,500nm,18.0s Snowmass	108.11 325	PFAKE LR	LR	20 00 30.0 +8.3
I49A I49A	comp=Z,1.1um,20.0s Point Hope	108.13 345	PFAKE LR	LR	20 00 30.0 +9.0
MMRI MMRI	comp=Z,600nm,22.0s Mauumere	108.15 185	PFAKE LR	LR	20 00 30.0 +7.9
GGN GGN	comp=Z,900nm,18.0s Saint George	108.15 357	PFAKE LR	LR	20 00 30.0 +9.0
DELO DELO	comp=Z,1.1um,22.0s Deloro Mine	108.16 349	PFAKE LR	LR	20 00 30.0 +8.9
JFWS JFWS	comp=Z,700nm,20.0s Jewell Farm	108.17 339	PFAKE LR	LR	20 00 30.0 +8.9
BGNE BGNE	comp=Z,500nm,20.0s Belgrade	108.17 333	PFAKE LR	LR	20 00 30.0 +8.8
ISA ISA	comp=Z,500nm,21.0s Isabella, Lake	108.17 315	PFAKE LR	LR	20 00 30.0 +8.5
FRNY FRNY	comp=Z,600nm,18.0s Flat Rock	108.17 352	PFAKE LR	LR	20 00 30.0 +8.9
ISCO ISCO	comp=Z,800nm,22.0s Idaho Springs	108.35 326	PFAKE LR	LR	20 00 30.0 +8.0
JAGI JAGI	comp=Z,500nm,22.0s Jajag, Banyuwu	108.37 177	PFAKE LR	LR	20 00 30.0 +7.5
PKME PKME	comp=Z,1.1um,20.0s Peaks-Kenny Pk	108.38 355	PFAKE LR	LR	20 00 30.0 +8.6
I47A I47A	comp=Z,600nm,22.0s Gladwin	108.42 344	PFAKE LR	LR	20 00 30.0 +8.4
SADO SADO	comp=Z,700nm,22.0s Sadowa	108.56 348	PFAKE LR	LR	20 00 30.0 +8.2
OGNE OGNE	comp=Z,700nm,21.0s Ogallala	108.58 329	PFAKE LR	LR	20 00 30.0 +7.9
PLVO PLVO	comp=Z,500nm,22.0s Plevna	108.64 349	PFAKE LR	LR	20 00 30.0 +8.1
TPNV TPNV	comp=Z,500nm,20.0s Topopah Spring	108.66 317	PFAKE LR	LR	20 00 30.0 +7.5
I45A I45A	comp=Z,400nm,21.0s Fountain	108.66 342	PFAKE LR	LR	20 00 30.0 +8.0
PAGB PAGB	comp=Z,700nm,20.0s Antelope Grade	108.81 313	PFAKE LR	LR	20 00 30.0 +7.4
LMN LMN	comp=Z,800nm,21.0s Caledonia Moun	108.85 358	PFAKE LR	LR	20 00 30.0 +7.7
PVFI PVFI	comp=Z,1.1um,21.0s Vila Bisbo	108.86 43	PFAKE LR	LR	20 00 30.0 +7.4
CISI CISI	comp=Z,500nm,20.0s Cisompot, Garu	108.94 170	PFAKE LR	LR	20 00 30.0 +6.3
H48A H48A	comp=Z,2.2um,22.0s Harrisville	108.94 345	PFAKE LR	LR	20 00 30.0 +7.5
GLMI GLMI	comp=Z,500nm,22.0s Grayling	109.22 344	PFAKE LR	LR	20 00 30.0 +6.9
O20A O20A	comp=Z,800nm,22.0s White River Ci	109.34 324	PFAKE LR	LR	20 00 40.0 +16
PVAQ PVAQ	comp=Z,1.1um,18.0s Vaqueros	109.45 44	PFAKE LR	LR	20 00 40.0 +16
N23A N23A	comp=Z,600nm,19.0s Red Feather La	109.46 326	PFAKE LR	LR	20 00 40.0 +16
G45A G45A	comp=Z,400nm,22.0s Suttons Bay	109.57 343	PFAKE LR	LR	20 00 40.0 +16
PQI PQI	comp=Z,900nm,22.0s Presque Isle	109.74 356	PFAKE LR	LR	20 00 40.0 +16
R11A R11A	comp=Z,1.1um,22.0s Troy Canyon, C	109.74 318	PFAKE LR	LR	20 00 40.0 +16
ECSD ECSD	comp=Z,600nm,20.0s EROS Data Cent	110.10 334	PFAKE LR	LR	20 00 40.0 +15
OMMB OMMB	comp=Z,400nm,21.0s Old Mammoth Mi	110.12 315	PFAKE LR	LR	20 00 40.0 +15
SAO SAO	comp=Z,500nm,20.0s San Andreas Ge	110.14 313	PFAKE LR	LR	20 00 40.0 +15
MDPB MDPB	comp=Z,1.1um,20.0s Devils Postpil	110.17 315	PFAKE LR	LR	20 00 40.0 +15
BATG BATG	comp=Z,400nm,20.0s Bathurst New B	110.29 357	PFAKE LR	LR	20 00 40.0 +15
G40A G40A	comp=Z,800nm,20.0s Rib Lake	110.45 340	PFAKE LR	LR	20 00 40.0 +15
RWWY RWWY	comp=Z,400nm,22.0s Rawlins	110.53 326	PFAKE LR	LR	20 00 40.0 +14
DUG DUG	comp=Z,500nm,21.0s Dugway, Tooele	110.64 321	PFAKE LR	LR	20 00 40.0 +14
NVAR NVAR	comp=Z,500nm,20.0s Mina Array Bea	110.65 316	PKIKP PKIKP	PKIKP	20 00 24.9 -1.4
E46A E46A	comp=Z,1.9nm,0.9s,slow=178,slow=3.3,SNR=7.5 Sault Ste Mari	110.70 344	PFAKE LR	LR	20 00 40.0 +14
SPMN SPMN	comp=Z,800nm,22.0s Marine on St.	110.84 338	PFAKE LR	LR	20 00 40.0 +14
RYN RYN	comp=Z,600nm,22.0s Ryan	110.90 316	PFAKE LR	LR	20 00 40.0 +13
CMB CMB	comp=Z,300nm,20.0s Columbia Coile	110.95 314	PFAKE LR	LR	20 00 40.0 +13
E43A E43A	comp=Z,700nm,22.0s Lone Tree Farm	111.06 342	PFAKE LR	LR	20 00 40.0 +14
WAKR WAKR	comp=Z,600nm,20.0s Walker	111.08 315	PFAKE LR	LR	20 00 40.0 +13
E44A E44A	comp=Z,500nm,20.0s Grand Marais A	111.16 343	PFAKE LR	LR	20 00 40.0 +13
K22A K22A	comp=Z,700nm,22.0s Casper	111.26 327	PFAKE LR	LR	20 00 40.0 +13
YERR YERR	comp=Z,500nm,20.0s Yerington	111.45 316	PFAKE LR	LR	20 00 40.0 +12
PNTR PNTR	comp=Z,400nm,19.0s Pine Nut	111.66 315	PFAKE LR	LR	20 00 40.0 +12
RUBR RUBR	comp=Z,500nm,20.0s Rubicon Trail	111.81 315	PFAKE LR	LR	20 00 40.0 +12
COI COI	comp=Z,500nm,18.0s Coimbra	111.81 42	PFAKE LR	LR	20 00 40.0 +12
KAPI KAPI	comp=Z,600nm,20.0s Kappang	111.82 183	PFAKE LR	LR	20 00 40.0 +11
ELK ELK	comp=Z,1.1um,22.0s Elko	111.85 319	PKIKP PKIKP	PKIKP	20 00 29.1 +0.6

VCNR VCNR	comp=Z,1.2nm,0.8s,baz=148,slow=3.4,SNR=5.3 Virginia City	111.87 315	PFAKE LR	LR	20 00 40.0 +11
MCCM MCCM	comp=Z,500nm,20.0s Marconi Confer	111.87 312	PFAKE LR	LR	20 00 40.0 +12
D41A D41A	comp=Z,900nm,21.0s Chassel	111.96 341	PFAKE LR	LR	20 00 40.0 +12
E38A E38A	comp=Z,700nm,21.0s The Farm, Brul	111.97 339	PFAKE LR	LR	20 00 40.0 +12
AFDM AFDM	comp=Z,600nm,21.0s Forest Hills D	111.97 314	PFAKE LR	LR	20 00 40.0 +12
RSSD RSSD	comp=Z,900nm,22.0s Black Hills	112.05 329	PFAKE LR	LR	20 00 40.0 +11
BW06 BW06	comp=Z,400nm,20.0s Boulder Array	112.15 324	PFAKE LR	LR	20 00 40.0 +11
PDAR PDAR	comp=Z,900nm,18.0s Pinedale Array	112.15 324	PKIKP PKIKP	PKIKP	20 00 28.6 -0.3
BMN BMN	comp=Z,1.1um,0.7s,baz=147,slow=3.6,SNR=8.9 Battle Mountai	112.15 318	PFAKE LR	LR	20 00 40.0 +11
PAHR PAHR	comp=Z,300nm,19.0s Pah Rah Range	112.16 316	PFAKE LR	LR	20 00 40.0 +11
MTE MTE	comp=Z,500nm,19.0s Manteigas	112.25 43	PFAKE LR	LR	20 00 40.0 +11
PAB PAB	comp=Z,700nm,19.0s San Pablo	112.47 45	PFAKE LR	LR	20 00 40.0 +11
AHID AHID	comp=Z,500nm,19.0s Auburn Hatcher	112.56 323	PFAKE LR	LR	20 0

IDC 16 20:25:44.7,2.9,17.99S;178.47W,h594km,32km,mb3.6/9,
mb1.3/8/10,mb1mx3.4/46,mbtm3.6/10,Error ellipse:
s-maj=35.3km s-min=17.1km az=151.0

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
ISC	ISC	h	m	s	ISC	ISC
DMZ	Mout Donzang	14.82	251	Op	20 28 51	+1.2
PZM	Port Moresby	34.46	280	P	20 31 45.0	+0.8
STKA	Stevens Creek	38.62	241	P	20 32 18.0	-0.1
JAY	Jayapura	42.91	286	P	20 32 53.1	+0.6
WRA	Warramunga Arr	44.73	260	P	20 33 04.0	-1.6
ASAR	Alice Springs	44.63	254	P	20 33 05.9	-0.9
ASAR	Alice Springs	44.63	254	ScP	20 37 32.7	-1.2
SIJI	Sorong	52.24	283	P	20 34 01.9	-0.2
PETK	Petrovoplovsk	73.70	345	P	20 36 18.8	0.0
NVAR	Mina Array Bea	79.44	344	P	20 36 51.1	+0.3
ILAR	Eielson Array	85.91	13	P	20 37 21.3	-1.0
TXAR	Lajitas Array	86.01	58	P	20 37 24.9	+1.2
GERES	GERES Array B	147.63	345	PKPbc	20 44 22.6	-0.9

NEIC 16 20:33:19.0,0.1;61.56N;141.09W,h10km,ML2.5(OTT),
ML2.5(AEIC),After AEIC

PGC 16 20:33:19.0,0.1;61.58N;141.09W,h1km,ML2.5/11,
211km WNW of Haines Jct., Yt Southern Alaska,
Southern Alaska

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
ISC	ISC	h	m	s	ISC	ISC
YUK2	White River	0.24	29	P	20 33 25.0	-0.5
YUK2	Moose Creek	0.36	56	S	20 33 28.9	-0.1
YUK3	Moose Creek	0.36	56	S	20 33 32.2	-0.3
YUK1	Sand Pete Hill	0.64	24	P	20 33 31.9	-1.1
YUK1	Sand Pete Hill	0.64	24	P	20 33 40.0	-1.3
PTPK	Patty Peak	0.77	240	P	20 33 34.6	-1.0
PTFK	Patty Peak	0.77	240	P	20 33 45.5	-0.1
BALM	Baldy	0.82	229	eP	20 33 35.1	-1.4
BALM	Baldy	0.82	229	eP	20 33 46.2	-0.8
BVCV	Beaver Creek	0.85	7	P	20 33 36.0	-1.1
BVCV	Beaver Creek	0.85	7	P	20 33 48.2	+0.1
KIAG	Kiagna River	0.90	224	P	20 33 36.5	-1.6
TABL	Table Mountain	1.14	181	P	20 33 61.3	-1.5
TABL	Table Mountain	1.14	181	P	20 33 56.6	-0.9
YUK4	Talbot Arm	1.19	100	P	20 33 42.7	-1.1
YUK4	Talbot Arm	1.19	100	P	20 33 59.4	+0.1
SAMH	Samovar Hills	1.46	174	Ph	20 33 47.4	-1.1
YUK6	Outpost Mouna	1.46	115	Ph	20 33 46.9	-1.8
YUK6	Outpost Mouna	1.46	115	Ph	20 34 07.1	-0.7
MESA	MESA	1.47	197	Ph	20 33 47.9	-0.8
MESA	MESA	1.47	197	Ph	20 34 07.7	-0.2
PCA	Pinnacle	1.54	164	ePh	20 33 48.9	-0.8
PCA	Pinnacle	1.54	164	ePh	20 34 09.5	-0.8
YUK5	Granite Creek	1.62	105	Ph	20 33 49.2	-1.5
YUK5	Granite Creek	1.62	105	Ph	20 34 11.2	-1.1
YUK7	Dusty Glacier	1.78	125	Ph	20 33 52.9	-0.3
YUK7	Dusty Glacier	1.78	125	Ph	20 34 15.9	-0.3
BCPM	Bancas Point	1.78	156	ePh	20 33 52.5	-0.3
MENT	Mentasta	1.84	319	ePh	20 33 52.8	-0.8
HYT	Haines Junctio	1.89	112	ePh	20 33 53.6	-0.8
HYT	Haines Junctio	1.89	112	ePh	20 33 53.7	-0.7
HYT	Haines Junctio	1.89	112	ePh	20 34 19.9	-0.0
PNL	Peninsula	2.09	156	Ph	20 33 57.3	+0.3
PNL	Peninsula	2.09	156	Ph	20 34 26.8	-0.8
RAGM	Ragged Mountai	2.12	237	ePh	20 33 58.8	+1.3
PAX	Paxson	2.48	306	ePh	20 34 02.4	-0.1
PAX	Paxson	2.48	306	ePh	20 34 03.5	+1.1
PAX	Paxson	2.48	306	ePh	20 34 06.7	-0.8
EYAK	Cordova Ski Ar	2.49	328	ePh	20 34 02.6	+0.1
DOT	Dot Lake	2.49	328	ePh	20 34 01.4	-1.2
DOT	Dot Lake	2.49	328	ePh	20 34 04.1	-1.3
DOT	Dot Lake	2.49	328	ePh	20 34 06.1	-0.4
DOT	Dot Lake	2.49	328	ePh	20 34 08.3	+0.8
DAWY	Dawson	2.62	17	P	20 34 03.5	-0.8
DAWY	Dawson	2.62	17	P	20 34 04.1	+0.3
FID	Port Fidalgo	2.74	255	ePh	20 34 05.3	-0.7
SCRK	Sand Creek	2.75	332	ePh	20 34 04.9	-1.4
RIDG	Independent Ri	2.78	229	ePh	20 34 05.1	-0.6
SCM	Sheep Creek Mo	2.98	278	ePh	20 34 08.1	-1.3
GLI	Glacier Island	2.99	259	ePh	20 34 07.7	-1.7
PLBC	Pleasant Camp	3.16	130	Pg	20 34 17.4	-0.4
PLBC	Pleasant Camp	3.16	130	Pg	20 34 59.9	-2.3
EGAK	Eagle	3.21	359	ePh	20 34 12.0	-0.5
DHY	Denali Highway	3.30	300	ePh	20 34 13.0	-0.7
SML	Sawmill	3.46	277	ePh	20 34 15.9	0.0
RND	Reindeer	4.04	300	ePh	20 34 22.6	-1.4
ILB	Eielson Array	4.14	323	ePh	20 34 24.1	-1.1

JMA 16 20:35:07.6,0.2,33.12N;138.06E,h368km,ML2.9
ISC/B 16 20:35:11.2,0.5,33.45N;138.01E;0.08,h350km,
mb3.2/8,Error ellipse: s-maj=9.3km s-min=7.8km

IDC 16 20:35:13.0,0.7,33.39N;137.91E,h332km,15km,mb3.0/5,
mb1.3/1.7,mb1mx2.8/51,mbtm3.6/7,Error ellipse:
s-maj=42.7km s-min=11.1km az=66.0

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
ISC	ISC	h	m	s	ISC	ISC
TT02	TONANKAI O.B.S	0.84	291	P	20 35 56.1	+1.5
TK04	Tokai 4	0.95	355	P	20 35 57.1	-1.1
TT01	TONANKAI O.B.S	1.01	281	P	20 35 56.3	-1.9
JIE	Ise	1.42	312	P	20 35 58.4	-2.1
JHJ	Hachijo jima 2	1.55	101	P	20 36 00.1	-1.2
JHJ	Hachijo jima 2	1.55	101	P	20 36 38.2	-1.9
JTDC	TanabenaKahech	2.01	282	P	20 36 01.6	-2.6
JDDC	Odawara 2	2.04	27	eS	20 36 45.8	0.0
JWY	Koyuza	2.13	292	eS	20 36 50.9	+0.6
JYTA	Yamagatataniai	2.38	335	P	20 36 05.8	-1.1
JRY	Ryogami sam	2.68	16	P	20 36 09.6	+0.2
BSO1	Boso 1	2.77	63	P	20 36 07.4	-2.1
BSO1	Boso 1	2.77	63	P	20 36 52.7	-2.5
JWT	Wachi	2.81	312	P	20 36 09.0	-1.5
JWT	Wachi	2.81	312	P	20 36 29.9	-0.2
MJAR	Matsushiro Arr	3.10	4	P	20 36 12.6	-0.5
MJAR	Matsushiro Arr	3.10	4	P	20 36 59.2	-2.4
MAT	Matsushiro	3.10	3	P	20 36 12.6	-0.5
MAT	Matsushiro	3.10	3	P	20 36 57.9	-3.7
MAT	Matsushiro	3.10	3	P	20 36 12.7	-0.4
JAG	Ashikaga	3.22	22	P	20 36 13.2	-0.9
JAG	Ashikaga	3.22	22	P	20 36 58.9	-4.6
JMN	Monobe	3.43	279	eS	20 36 13.2	-0.1
KSR5	Korea Array	9.13	296	P	20 37 58.0	+0.5
MKAR	Makanchi Array	43.75	305	P	20 42 46.4	+1.6
KURBB	Kurchatov Arr	46.03	SNR=12	P	20 43 04.5	+1.7
WRA	Warramunga Arr	53.19	184	P	20 43 56.9	+0.6
ASAR	Alice Springs	56.92	164	P	20 44 23.6	+0.9
ASAR	Alice Springs	56.92	164	P	20 44 53.4	+2.5

IDC 16 20:42:16.1,1.2,35.95N;27.43E,h0km,mb3.8/4,
mb1.3/7.6,mb1mx3.4/46,mbtm3.7/6,ML3.2/3,MS4.1/3,
Ms1.4/2.3,ms1mx3.5/34,Error ellipse: s-maj=26.8km
s-min=20.6km az=134.0

ISK 16 20:42:18.7,35.93N;27.52E,h10km,ML3.3/20
ATH 16 20:42:18.7,35.94N;27.51E,h22km,2km,ML3.2/2,Error
ellipse: s-maj=4.4km s-min=1.2km az=145.0
THE 16 20:42:19.8,35.89N;27.54E,h4km,1km,ML3.1/7,Error
ellipse: s-maj=2.2km s-min=0.7km az=145.0
DDA 16 20:42:19.7,35.97N;27.56E,h33km,2km,ML3.5
ISC/B 16 20:42:20.0,0.5,35.92N;0.03;27.51E;0.03,h19km,5km,
mb3.7/4,MS4.2/3,Error ellipse: s-maj=5.4km s-min=2.6km
az=148.0

Code	Station Name	Δ°	AZ $^\circ$	Phase ID	Time	Res
ISC	ISC	h	m	s	ISC	ISC
KARP	Karpathos	0.48	219	Op	20 42 28.7	+0.5
KARP	Karpathos	0.48	219	PG	20 42 28.7	-0.3
KARP	Karpathos	0.48	219	Sb	20 42 28.7	-0.5
KARP	Karpathos	0.48	219	P	20 42 28.8	-0.5
KARP	Karpathos	0.48	219	P	20 42 35.6	-0.3
KARP	Karpathos	0.48	219	P	20 42 37.1	-0.5
KARP	Karpathos	0.48	219	P	20 42 28.8	-0.5
KARP	Karpathos	0.48	219	P	20 42 35.6	-0.3
KARP	Karpathos	0.48	219	P	20 42 37.1	-0.5
ARG	Arkhangelos	0.56	58	PG	20 42 30.2	-0.5
ARG	Arkhangelos	0.56	58	SG	20 42 38.3	-0.1
ARG	Arkhangelos	0.56	58	Sb	20 42 30.2	-0.5
ARG	Arkhangelos	0.56	58	P	20 42 39.3	+0.9
ARG	Arkhangelos	0.56	58	P	20 42 30.2	-0.5
ARG	Arkhangelos	0.56	58	P	20 42 37.6	-0.7
ARG	Arkhangelos	0.56	58	P	20 42 40.6	-0.7
ARG	Arkhangelos	0.56	58	P	20 42 41.5	-0.5
DAT	Datca	0.81	3	PG	20 42 35.1	-0.5
DAT	Datca	0.81	3	SG	20 42 46.5	-0.5
DAT	Datca	0.81	3	P	20 42 35.9	+0.3
DAT	Datca	0.81	3	P	20 42 47.1	+0.1
DAT	Datca	0.81	3	P	20 42 35.1	-0.5
DAT	Arkhangelos	0.84	7	PG	20 42 35.8	-0.2
DAT	Arkhangelos	0.84	7	PG	20 42 37.6	-0.0
DAT	Arkhangelos	0.84	7	PG	20 42 40.0	0.0
DAT	Arkhangelos	0.84	7	PG	20 42 42.7	0.0
DAT	Arkhangelos	0.84	7	PG	20 42 43.4	+0.6
DAT	Arkhangelos	0.84	7	PG	20 43 00.0	+1.4
DAT	Arkhangelos	0.84	7	PG	20 42 38.4	-3.6
DAT	Arkhangelos	0.84	7	PG	20 42 38.7	-3.4
DAT	Arkhangelos	0.84	7	PG	20 42 52.9	-5.7
DAT	Arkhangelos	0.84	7	PG	20 42 44.1	+0.1
DAT	Arkhangelos	0.84	7	PG	20 42 44.0	+0.1
DAT	Arkhangelos	0.84	7	PG	20 42 44.4	+0.2
DAT	Arkhangelos	0.84	7	PG	20 42 44.2	0.0
DAT	Arkhangelos	0.84	7	PG	20 43 02.5	+1.4
DAT	Arkhangelos	0.84	7	PG	20 42 45.5	-0.2
DAT	Arkhangelos	0.84	7	PG	20 42 45.5	-0.2
DAT	Arkhangelos	0.84	7	PG	20 43 05.2	+1.6
DAT	Arkhangelos	0.84	7	PG	20 42 46.5	+0.9
DAT	Arkhangelos	0.84	7	PG	20 42 47.1	+0.6
DAT	Arkhangelos	0.84				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HSAM Samen, IBZA Bozab, IVIS Veis, etc.

HELL 16 22:01:27.8, 0.7, 18N, 20.66E, h0km, ML1.3, Explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUNU Dundret, RATU Laukkutuspä, etc.

UPP 16 22:01:41.6, 0.1, 67.17N, 20.65E, h0km, ML1.8, Explosion, Sweden

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DUNU Dundret, RATU Laukkutuspä, etc.

IDC 16 22:06:27.6, 2.1, 3.95N, 65.23E, h0km, mb3.9/4, mb1 4.1/4, ms1mx3.1/27, Error ellipse: s-maj=74.9km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEYT Alikebeck, CMAR Chiang Mai Arr, etc.

NIED 16 22:12:00, 35.20N, 139.10E, h150km, Mw4.0 Best double couple: M0.1, 230000, 1015, NP1=74.00000, 843.00000, A.166.00000, NP2=174.00000, 880.00000, 8.48.00000

ISCJB 16 22:12:44.7, 0.3, 35.18N, 0.04, 139.01E, 0.06, h147km, 5km, h39, c057/47, mb3.8/16, Near south coast of eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOD2 Odawara 2, AJJ Ajiro 2, etc.

ISC 16 22:12:45.8, 0.7, 35.18N, 0.05, 139.01E, 0.06, h147km, 5km, h39, c057/47, mb3.8/16, Near south coast of eastern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOD2 Odawara 2, AJJ Ajiro 2, etc.

ISCJB 16 22:24:39.5, 0.4, 35.23N, 0.04, 77.42E, 0.07, h10km, mb3.6/9, MS2.8/2, Error ellipse: s-maj=8.5km, s-min=5.2km

IDC 16 22:24:39.2, 0.9, 35.09N, 77.24E, h0km, mb3.7/10, mb2.3/8.1/5, mb1mx3.6/42, mbtmp3.7/15, ML3.5/4, MS2.9/2, MS1 3.0/2, ms1mx2.2/30, Error ellipse: s-maj=24.2km

ISC 16 22:24:42.0, 0.3, 35.27N, 0.05, 77.33E, 0.07, h10km, n29, c28/33, mb3.8/9, Eastern Kashmir

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHCP Chirah Chowk, BHK Bhakra, etc.

TORD Torodi Ar. Bea 70.87 273 P P 22 55 58.1 -1.4

WRA Warramunga Arr 77.04 126 P P 22 36 34.1 -1.3

ISK 16 22:45:58.5, 38.37N, 38.86E, h6km, ML2.2/7, ISCJB 16 22:45:59.8, 0.6, 38.33N, 0.03, 38.88E, 0.04, h11km, 5km, Error ellipse: s-maj=5.5km, s-min=4.8km, az=158.2

DDA 16 22:45:59.1, 38.32N, 38.88E, h7km, 3km, ML2.7, ISC 16 22:45:59.6, 1.0, 38.33N, 0.04, 38.86E, 0.03, h13km, 9km, n16, c059/23, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELZG Elazig, SVRC Sivrice-ELAZID, etc.

ISCJB 16 23:05:10.3, 0.3, 60.00S, 0.05, 26.3W, 0.1, h26km, mb5.1/34, MS4.5/24, Error ellipse: s-maj=10.1km

Bull 16 23:05:12.0, 0.0, 59.60S, 25.50W, h30km, mb5.3/4, MS5.3/4, MS7.5/0/4

IDC 16 23:05:13.1, 1.3, 59.93S, 26.55W, h29km, 13km, mb4.8/13, MS4.8/12, ms1mx4.7/17, mbtmp4.9/14, ML3.6/1, MS4.2/12, MS1 4.2/12, ms1mx4.2/16, Error ellipse: s-maj=17.4km

NEIC 16 23:05:13.1, 1.3, 59.88S, 26.31W, h30km, 1km, mb5.1/31, Error ellipse: s-maj=16.8km, s-min=12.0km, az=217.0

MOS 16 23:05:13.0, 1.0, 59.87S, 26.33W, h33km, mb5.2/15, Error ellipse: s-maj=27.3km, s-min=13.1km, az=103.8

GCMT 16 23:05:18.1, 0.3, 60.51S, 0.03, 26.21W, 0.04, h29km, MW5.0/68, Moment Tensor Solution, s42.c54; s68.c92; Duration: 0 Moment tensor: Scale 1019m; Mr3.22±.23; Mw=0.22±.17; Ms=0.02±.15; Ms=0.02±.26; Ms=2.20±.10; Best double couple: M4.123000, 1016; NP1=8.00000; 857.00000; A.62.00000; NP2=0±231.00000; 842.00000; A.125.00000; Principal axes: T 3.8910, P1666.0000, Azm25.0000; N 0.4670, P1g23.0000, Azm24.0000; P -4.3550, P1g6.0000, Azm17.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 16 23:05:12.5, 0.3, 60.03S, 0.06, 26.35W, 0.07, h26km, n239, c1945/226, mb5.2/34, MS4.4/25, 11-C/7D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VNA1 Neumayer-Stat, VNA2 Neumayer-Stat, etc.

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

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

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

Table with columns: BRTR, comp, Lg, Pn, Sx, etc. listing various stations and their parameters.

Table with columns: OKC, ARU, MODS, VRAC, KRUC, CONA, SVE, VSU, SOKA, DPC, etc. listing various stations and their parameters.

Table with columns: KEST, BNI, HFS, KURBB, KURK, SSB, NB20, NOA, MK31, MK32, MKAR, ARCES, ZAA1, ZALV, DGZ, ESK, WMQ, ESCD, PAB, PAB, JMJC, BORG, TOA1, TORD, ULN, ULN, TIXI, TIXI, HHC, HHC, CM31, CMAR, CMAR, KLR, KLR, SEY, TJN, BOS, PE1, PETK, KRSC, etc. listing various stations and their parameters.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RUS, KRMR, Mutnovka, PETK, ASAK, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AAK, NVAR, PDAR, ULM, FINES, NB2, NOA, HFS, AKASA, etc.

Table with columns: Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TVAN, VANB, VANB, CUKT, CUKT, YOVA, BLIS, SRMT, MSL, MSL, MUSM, SVAN, MAZI, etc.

V52A	Sevierville	52.44 348	eP	P	02 46 56.1	-0.1
V52A	Sevierville	52.44 348	P	LR		
V52A	Sevierville	52.44 348	P	P	02 46 55.5	-0.7
435B	Jarrell	52.45 332	P	P	02 46 56.4	+0.1
X46A	Booneville	52.45 342	P	P	02 46 54.5	-1.7
W48A	Pulaski	52.54 344	P	P	02 46 56.0	-0.9
V51A	Loudon	52.56 347	eP	P	02 46 57.8	+0.8
V51A	Loudon	52.56 347	P	LR		
V51A	Loudon	52.56 347	P	P	02 46 56.4	-0.7
V50A	Pikeville	52.60 346	P	P	02 46 57.0	-0.4
U55A	TAZ, Sparta	52.62 351	P	P	02 46 57.7	+0.1
T59A	Double "B" Far	52.64 354	eP	P	02 46 57.8	+0.2
T59A	Double "B" Far	52.64 354	P	LR		
T59A	Double "B" Far	52.64 354	P	P	02 46 57.7	+0.1
Z41A	Richland Creek	52.64 338	P	P	02 46 57.5	-0.2
OXF	Oxford	52.65 342	eP	P	02 46 57.2	-0.5
OXF	Oxford	52.65 342	eP	Pmax		
OXF	Oxford	52.65 342	Pmax	Pmax		
OXF	Oxford	52.65 342	P	P	02 46 56.1	-1.6
PLAL	Pickwick Lake	52.70 343	eP	P	02 46 57.2	-0.8
T58A	Grand View	52.72 353	P	P	02 46 58.4	+0.2
T60A	Surry	52.73 355	PFAKE	LR	02 47 10.0	+1.2
T60A	Surry	52.73 355	P	LR		
T60A	Surry	52.73 355	P	P	02 46 57.9	-0.4
U53A	Fall Branch	52.75 349	P	P	02 46 57.9	-0.6
U54A	Nelsons Furry	52.77 350	eP	P	02 46 59.1	+0.5
U54A	Nelsons Furry	52.77 350	P	LR		
U54A	Nelsons Furry	52.77 350	P	P	02 46 58.7	+0.1
W47A	Westpoint	52.82 344	P	P	02 46 57.6	-1.4
T57A	Hurt	52.86 352	eP	P	02 46 59.7	+0.5
T57A	Hurt	52.86 352	P	LR		
T57A	Hurt	52.86 352	P	P	02 46 59.3	+0.1
CCAR	Cane Creek	52.87 339	eP	P	02 47 00.0	+0.7
V49A	McMinnville	52.88 346	P	P	02 46 58.6	-0.8
U52A	Thorn Hill	52.93 348	P	P	02 46 59.5	-0.3
W46A	Michie	52.93 343	P	P	02 46 57.9	-1.9
T56A	Rocky Mt	52.99 352	P	P	02 47 00.8	+0.6
U51A	La Follette	53.05 348	P	P	02 47 00.1	-0.5
V48A	Smith Brothers	53.08 345	eP	P	02 47 00.0	-0.9
V48A	Smith Brothers	53.08 345	P	LR		
V48A	Smith Brothers	53.08 345	P	P	02 46 59.9	-0.9
TZTN	Tazewell	53.11 348	eP	P	02 47 00.9	-0.2
TZTN	Tazewell	53.11 348	P	LR		
TZTN	Tazewell	53.11 348	P	LR		
X43A	Marvell	53.12 340	P	P	02 47 01.0	-0.2
WLAR	White Oak Lake	53.14 338	eP	P	02 47 02.6	+1.2
T55A	Pulaski	53.19 351	P	P	02 47 02.4	+0.7
S61A	Accomac	53.19 356	PFAKE	LR	02 47 10.0	+8.4
S61A	Accomac	53.19 356	P	LR		
S61A	Accomac	53.19 356	P	P	02 47 01.3	-0.4
BLA	Blacksburg	53.22 351	eP	P	02 47 03.8	+1.8
BLA	Blacksburg	53.22 351	P	LR		
BLA	Blacksburg	53.22 351	P	P	02 47 02.7	+0.7
JCT	Junction City	53.24 330	eP	P	02 47 02.1	-0.1
JCT	Junction City	53.24 330	P	LR		
JCT	Junction City	53.24 330	eP	Pmax	02 47 02.1	-0.1
JCT	Junction City	53.24 330	Pmax	Pmax		
JCT	Junction City	53.24 330	P	MLR		
JCT	Junction City	53.24 330	P	MLR		
T54A	Tazewell	53.26 350	P	P	02 47 02.3	+0.1
U50A	Jamesstown	53.26 347	P	P	02 47 01.3	-0.9
S60A	Water View	53.29 355	P	P	02 47 01.5	-0.9
CLTN	Cedars of Leba	53.29 345	eP	P	02 47 02.5	+0.1
CLTN	Cedars of Leba	53.29 345	P	LR		
S58A	Poland Farm, P	53.32 354	eP	P	02 47 03.2	+0.6
S58A	Poland Farm, P	53.32 354	P	LR		
S58A	Poland Farm, P	53.32 354	P	P	02 47 02.9	+0.2
T53A	Wise	53.34 349	P	P	02 47 02.1	-0.8
V47A	Nunnally	53.35 344	P	P	02 47 01.5	-1.3
S59A	Mechosville	53.40 355	P	P	02 47 03.3	+0.1
WHTX	Lake Whitney	53.41 333	eP	P	02 47 04.5	+1.1
WHTX	Lake Whitney	53.41 333	P	LR		
WHTX	Lake Whitney	53.41 333	P	P	02 47 03.8	+0.4
V46A	Holladay	53.48 343	P	P	02 47 01.7	-2.1
T52A	Hallie	53.55 349	eP	P	02 47 04.3	-0.1
T52A	Hallie	53.55 349	P	LR		
T52A	Hallie	53.55 349	P	P	02 47 03.6	-0.7
U49A	Red Boiling Sp	53.56 346	P	P	02 47 03.3	-1.1
S56A	Natural Bridge	53.56 352	P	P	02 47 04.5	+0.1
S57A	Dark Hollow, R	53.57 353	eP	P	02 47 05.0	+0.6
S57A	Dark Hollow, R	53.57 353	P	LR		
S57A	Dark Hollow, R	53.57 353	P	P	02 47 04.7	+0.2
T51A	Gray	53.60 348	P	P	02 47 03.8	-0.9
HPIG	HPIG	53.65 322	eP	P	02 47 05.7	+0.2
HPIG	HPIG	53.65 322	P	LR		
R58B	Mineral	53.65 354	eP	P	02 47 07.1	+2.1

R58B	Mineral	53.65 354	P	LR	LR		
R58B	Mineral	53.65 354	P	P	P	02 47 05.4	+0.4
WVT	Waverly	53.71 344	eP	P	P	02 47 04.0	-1.6
WVT	Waverly	53.71 344	P	LR	LR		
WVT	Waverly	53.71 344	eP	Pmax	Pmax	02 47 04.0	-1.6
WVT	Waverly	53.71 344	P	MLR	MLR		
WVT	Waverly	53.71 344	P	P	02 47 03.9	-1.6	
U40A	Cassie Pea, Po	53.74 345	P	P	02 47 04.8	-0.9	
X48A	Basin Creek Fa	53.76 338	eP	P	02 47 06.2	+0.3	
X40A	Basin Creek Fa	53.76 338	P	P	02 47 04.9	-1.0	
S55A	Lewisburg	53.79 351	P	P	02 47 06.2	+0.1	
R61A	Willards	53.81 356	P	P	02 47 06.1	-0.1	
R59A	King George, V	53.82 355	P	P	02 47 06.3	+0.1	
T50A	Nancy	53.83 347	P	P	02 47 05.2	-1.2	
R60A	Leonardtown, M	53.84 355	P	P	02 47 06.2	-0.2	
CBN	Corbin Frederi	53.84 355	eP	P	02 47 08.3	+1.9	
CBN	Corbin Frederi	53.84 355	P	LR	LR		
CBN	Corbin Frederi	53.84 355	P	P	02 47 06.5	+0.1	
UALR	University of	53.85 339	eP	P	02 47 06.4	-0.1	
U47A	Halls	53.87 344	P	P	02 47 05.2	-1.4	
HALT	Halls	53.93 342	PFAKE	LR	02 47 20.0	+1.3	
HALT	Halls	53.93 342	P	LR			
S54A	Dingess, Beckl	53.94 351	P	P	02 47 06.9	-0.3	
S53A	Williamson	53.95 350	P	P	02 47 07.2	-0.1	
R58A	Rapidan	54.00 354	P	P	02 47 07.8	+0.2	
HBAR	Harrisburg	54.00 341	eP	P	02 47 08.9	+1.3	
HBAR	Harrisburg	54.00 341	P	LR	LR		
U46A	Springville	54.02 344	P	P	02 47 06.1	-1.6	
R57A	Standardsville	54.05 353	P	P	02 47 08.3	+0.3	
T49A	Edmondson	54.07 346	eP	P	02 47 07.1	-1.1	
T49A	Edmondson	54.07 346	P	LR	LR		
T49A	Edmondson	54.07 346	P	P	02 47 07.1	-1.1	
MIAR	Mount Ida	54.08 338	eP	P	02 47 07.8	-0.4	
MIAR	Mount Ida	54.08 338	P	Pmax	Pmax	02 47 07.8	-0.4
MIAR	Mount Ida	54.08 338	P	P	02 47 07.7	-0.6	
S52A	Salversville	54.12 349	P	P	02 47 07.6	-0.9	
W41B	Gary Mavity, V	54.18 339	P	P	02 47 07.8	-1.1	
S51A	Beattyville	54.18 348	eP	P	02 47 08.2	-0.7	
S51A	Beattyville	54.18 348	P	LR	LR		
S51A	Beattyville	54.18 348	P	P	02 47 07.1	-1.8	
GNAR	Gosnell	54.19 342	eP	P	02 47 11.2	+2.3	
GNAR	Gosnell	54.19 342	P	LR	LR		
UTMT	University of	54.20 343	eP	P	02 47 08.3	-0.7	
R55A	Marlinton	54.23 352	eP	P	02 47 11.4	+2.0	
R55A	Marlinton	54.23 352	P	LR	LR		
R55A	Marlinton	54.23 352	P	P	02 47 09.5	+0.1	
R54A	Victor	54.26 351	P	P	02 47 09.3	-0.3	
R56A	Bull Pasture M	54.26 353	P	P	02 47 10.1	+0.5	
T48A	Bowling Green	54.28 346	P	P	02 47 09.1	-0.6	
WHAR	Wooly Hollow	54.30 339	eP	P	02 47 09.6	-0.2	
LTX	Lajitas	54.33 325	eP	P	02 47 09.0	-1.3	
LTX	Lajitas	54.33 325	P	P	02 47 09.0	-1.3	
TXAR	Lajitas Arroyo	54.33 325	P	P	02 47 09.0	-1.3	
TXAR	Lajitas Arroyo	54.33 325	P	LR	LR	03 08 38.7	
TX31	Lajitas Arroyo	54.33 325	eP	P	02 47 10.2	-0.1	
T47A	Sharon Grove	54.34 345	eP	P	02 47 09.5	-0.5	
T47A	Sharon Grove	54.34 345	P	LR	LR		
T47A	Sharon Grove	54.34 345	P	P	02 47 09.1	-0.9	
Q61A	Milford	54.36 357	P	P	02 47 09.6	-0.5	
S50A	Richmond	54.38 348	P	P	02 47 09.8	-0.5	
Q59A	Harwood	54.44 355	P	P	02 47 10.6	-0.1	
Q60A	Greensboro	54.52 356	P	P	02 47 11.4	+0.1	
R53A	Hurricane	54.56 350	eP	P	02 47 12.3	+0.7	
R53A	Hurricane	54.56 350	P	LR	LR		
R53A	Hurricane	54.56 350	P	P	02 47 11.0	-0.7	
T46A	Princeton	54.59 344	P	P	02 47 10.7	-1.2	
LPIG	La Paz	54.59 316	P	P	02 47 11.3	-0.9	
Q58A	Fox Den Farm,	54.60 354	P	P	02 47 11.9	-0.1	
S49A	Springfield	54.67 347	P	P	02 47 11.5	-1.0	
R52A	Catlettsburg	54.68 350	P	P	02 47 11.2	-1.3	
S48A	Wiedeman Farm,	54.72 346	P	P	02 47 11.4	-1.5	
W39A	Magazine	54.74 338	eP	P	02 47 13.2	+0.2	
W39A	Magazine	54.74 338	P	P	02 47 12.9	-0.1	
PARMO	Parma	54.75 342	eP	P	02 47 13.1	0.0	
PARMO	Parma	54.75 342	P	LR	LR		
Q57A	Strasburg	54.77 354	P	P	02 47 13.9	+0.7	
T45A	Paducah	54.77 343	P	P	02 47 11.8	-1.4	
FCAR	Ozark Folk Cen	54.78 340	eP	P	02 47 12.3	-1.0	
FCAR	Ozark Folk Cen	54.78 340	P	LR	LR		
R51A	Hillsboro	54.82 349	P	P	02 47 12.4	-1.1	
S47A	Hartford	54.86 345	P	P	02 47 12.6	-1.3	
Q56A	Snyder Ridge	54.86 353	P	P	02 47 14.3	+0.4	
Q55A	Buckhannon	54.93 352	P	P	02 47 15.4	+1.0	
ABTX	Abilene, Hawle	54.94 331	eP	P	02 47 14.7	+0.1	

ABTX	Abilene, Hawle	54.94 331	P	LR	LR		
ABTX	Abilene, Hawle	54.94 331	P	P	P	02 47 14.4	-0.1
R50A	Paris	54.95 348	eP	P	P	02 47 14.2	-0.3
R50A	Paris	54.95 348	P	LR	LR		
R50A	Paris	54.95 348	P	P	02 47 13.4	-1.1	
SDMD	Soldier's Deli	54.99 355	eP	P	P	02 47 15.1	+0.3
SDMD	Soldier's Deli	54.99 355	P	LR	LR		
Q53A	Leroy	55.01 351	P	P	02 47 14.5	-0.4	
Q54A	Coxs Mills	55.02 351	eP	P	02 47 15.3	+0.3	
Q54A	Coxs Mills	55.02 351	P	LR	LR		
Q54A	Coxs Mills	55.02 351	P	P	02 47 14.4	-0.6	
PBMO	Poplar Bluff	55.06 342	eP	P	02 47 14.5	-0.8	
PBMO	Poplar Bluff	55.06 342	P	LR	LR		
P58A	Pank, Wackers	55.11 355	P	P	02 47 15.9	+0.3	
P61A	Hampton	55.12 357	P	P	02 47 15.4	-0.3	
R49A	Shelbyville	55.13 347	eP</				

O52A	Adamsville	56.28 351	eP	P	02 47 24.9 +0.8
O52A	Adamsville	56.28 351	P	P	02 47 23.0 -1.1
SSPA	Standing Stone	56.30 354	eP	P	02 47 24.5 +0.3
SSPA	Standing Stone	56.30 354	P	P	02 47 24.2 +0.1
P48A	Milroy	56.31 347	eP	P	02 47 23.0 -1.2
P48A	Milroy	56.31 347	P	P	02 47 22.9 -1.3
O53A	New Philadelphia	56.32 351	P	P	02 47 23.7 -0.6
WMOK	Wichita Mounta	56.33 333	eP	P	02 47 24.1 -0.4
WMOK	Wichita Mounta	56.33 333	P	P	02 47 23.5 -1.1
N60A	Cedar Hill Far	56.33 357	P	P	02 47 23.0 -1.4
N57A	Milroy	56.39 355	P	P	02 47 25.1 +0.3
N58A	Sunbury	56.41 355	P	P	02 47 24.6 -0.3
N59A	State Game Lan	56.42 356	eP	P	02 47 24.3 -0.7
N59A	State Game Lan	56.42 356	P	P	02 47 24.6 -0.4
PAL	Palisades	56.42 358	eP	P	02 47 22.9 -2.0
PAL	Palisades	56.42 358	P	P	02 47 22.9 -2.0
PAL	Palisades	56.42 358	P	P	02 47 24.4 -0.5
TRIS	Tristan da Cun	56.43 124	PFAKE	LR	02 47 40.0 +15
O51A	Pataskala	56.44 350	P	P	02 47 24.5 -0.7
CCM	Cathedral Cave	56.49 342	eP	P	02 47 24.4 -1.2
CCM	Cathedral Cave	56.49 342	P	P	02 47 24.4 -1.2
CCM	Cathedral Cave	56.49 342	P	P	02 47 24.3 -1.2
ODNJ	Ogdensburg	56.52 357	eP	P	02 47 24.0 -1.7
ODNJ	Ascension	56.56 89	PFAKE	LR	02 47 40.0 +13
ASCN	Ascension	56.56 89	P	P	02 47 26.8 +0.8
N55A	Marion Center	56.56 353	eP	P	02 47 26.6 +0.6
N55A	Marion Center	56.56 353	P	P	02 47 26.4 +0.2
ACSO	Alum Creek Sta	56.58 350	eP	P	02 47 25.5 -0.7
ACSO	Alum Creek Sta	56.58 350	P	P	02 47 25.5 -0.7
O50A	Cable	56.62 349	P	P	02 47 26.8 +0.3
N56A	West Decatur	56.62 354	P	P	02 47 28.7 +1.8
YLE	Yale	56.70 359	eP	P	02 47 26.8 -0.3
YLE	Yale	56.70 359	P	P	02 47 27.3 +0.1
M61A	Granite Spring	56.72 358	P	P	02 47 27.3 +0.1
SLM	Saint Louis	56.73 343	eP	P	02 47 27.3 +0.1
SLM	Saint Louis	56.73 343	P	P	02 47 27.3 +0.1
SLM	Saint Louis	56.73 343	P	P	02 47 27.0 -0.6
O49A	Covington	56.79 348	eP	P	02 47 26.8 -0.9
O49A	Covington	56.79 348	P	P	02 47 28.2 +0.4
N53A	Libson	56.81 352	eP	P	02 47 27.3 -0.6
N53A	Libson	56.81 352	P	P	02 47 28.6 +0.5
N54A	Moraine State	56.85 353	eP	P	02 47 28.5 +0.4
P46A	Rosedale	56.86 346	P	P	02 47 26.6 -1.6
M58A	Pric's Panora	56.92 356	P	P	02 47 28.9 +0.4
N52A	McGinn's Farm	56.94 351	P	P	02 47 28.0 -0.7
M65A	Busby, Falmout	56.95 1	P	P	02 47 28.0 -1.3
O48A	Farmland	57.02 348	P	P	02 47 29.8 +0.5
M59A	Waymart	57.02 357	P	P	02 47 28.8 -0.7
KSPA	Keystone Colle	57.05 356	eP	P	02 47 29.6 -0.3
KSPA	Keystone Colle	57.05 356	P	P	02 47 29.0 -1.0
MNTX	Cornudas Mount	57.09 326	eP	P	02 47 31.4 +1.5
MNTX	Cornudas Mount	57.09 326	P	P	02 47 28.0 -0.7
MNTX	Cornudas Mount	57.09 326	P	P	02 47 29.3 -0.8
KSCOT	Kent School, K	57.12 358	eP	LR	02 47 30.7 +0.5
N50A	Nevada	57.14 350	P	P	02 47 29.2 -1.1
N51A	Ashland	57.15 350	eP	P	02 47 30.5 +0.1
N51A	Ashland	57.15 350	P	P	02 47 30.8 +0.1
M56A	Emporium	57.22 354	P	P	02 47 31.9 +0.2
M55A	Ridgway	57.22 354	P	P	02 47 31.5 -0.1
BRYW	Bryant College	57.29 0	eP	LR	02 47 32.1 0.0
BRYW	Bryant College	57.29 0	P	P	02 47 31.9 +0.2
M54A	Oil Creek Stat	57.35 353	eP	LR	02 47 31.5 -0.1
M54A	Oil Creek Stat	57.35 353	P	P	02 47 32.1 0.0
M53A	WI Miller and	57.41 352	P	P	02 47 31.2 -0.2

P43A	Skaggs, Pawnee	57.47 344	P	P	02 47 31.2 -1.2
N49A	Columbus Grove	57.47 349	eP	LR	02 47 32.0 -0.5
N49A	Columbus Grove	57.47 349	P	P	02 47 31.5 -0.9
M51A	Elyria	57.53 351	P	P	02 47 32.4 -0.4
MSTX	Muleshoe	57.53 329	eP	LR	02 47 33.1 -0.1
MSTX	Muleshoe	57.53 329	P	P	02 47 32.4 -0.8
L58A	Harry Jones Me	57.55 356	P	P	02 47 33.1 +0.2
ALLY	Alegheny Colle	57.55 353	eP	LR	02 47 33.8 +0.7
ALLY	Alegheny Colle	57.55 353	P	P	02 47 31.7 -1.3
SFIN	Lafayette	57.56 346	eP	LR	02 47 31.4 -1.6
SFIN	Lafayette	57.56 346	P	P	02 47 32.3 -0.8
M52A	Chesterland	57.61 351	P	P	02 47 34.5 +1.1
QUA2	Belchertown	57.66 359	eP	LR	02 47 31.9 -1.5
QUA2	Belchertown	57.66 359	P	P	02 47 34.9 +1.2
O44A	Mansfield	57.67 345	P	P	02 47 32.3 -1.6
BINY	Binghamton	57.71 356	eP	LR	02 47 34.8 +0.7
BINY	Binghamton	57.71 356	P	P	02 47 34.5 +0.4
BCX	Boston College	57.71 1	PFAKE	LR	02 47 50.0 +16
N47A	Urbana	57.73 348	P	P	02 47 32.7 -1.5
M50A	Fremont	57.73 350	eP	LR	02 47 34.6 +0.3
M50A	Fremont	57.73 350	P	P	02 47 32.4 -1.9
AMTX	Amarillo	57.76 331	PFAKE	LR	02 47 50.0 +15
AMTX	Amarillo	57.76 331	P	P	02 47 33.2 -1.5
EPT	El Paso	57.76 325	PFAKE	LR	02 47 50.0 +15
WES	Weston	57.76 0	eP	P	02 47 33.8 -0.6
WES	Weston	57.76 0	P	P	02 47 33.8 -0.6
WES	Weston	57.76 0	P	P	02 47 33.8 -0.6
U32A	Winter Ranch,	57.82 334	PFAKE	LR	02 47 50.0 +15
L53A	Girard	57.87 353	P	P	02 47 34.9 -0.3
HRV	Adam Dzewonski	57.88 0	eP	P	02 47 35.2 -0.1
HRV	Adam Dzewonski	57.88 0	P	P	02 47 35.2 -0.1
HRV	Adam Dzewonski	57.88 0	P	P	02 47 35.7 +0.2
M49A	Liberty Center	57.97 349	P	P	02 47 35.4 -0.6
ERPA	Erie	57.99 353	eP	LR	02 47 36.3 +0.2
ERPA	Erie	57.99 353	P	P	02 47 35.6 -0.5
PLIO	Pelee Island,	58.01 350	P	P	02 47 34.7 -1.4
L54A	Sinclairville	58.03 353	P	P	02 47 36.8 +0.4
SRIG	Santa Rosalia	58.04 317	PFAKE	LR	02 47 50.0 +13
M48A	Edgerton	58.12 349	eP	LR	02 47 39.2 +2.2
M48A	Edgerton	58.12 349	P	P	02 47 35.3 -1.7
TRY	Troy	58.13 358	eP	LR	02 47 38.1 +1.1
M47A	Cromwell	58.17 348	P	P	02 47 36.1 -1.3
HDIL	Hopedale	58.26 344	eP	LR	02 47 36.4 -1.7
HDIL	Hopedale	58.26 344	P	P	02 47 36.1 -1.9
K54A	Basiliko Farm,	58.34 354	P	P	02 47 39.0 +0.5
HSIG	Midewin, Midew	58.38 319	eP	LR	02 47 39.3 +0.2
MMNY	Mt. Morris Dam	58.38 355	eP	LR	02 47 39.4 +0.6
K55A	Perry	58.39 355	P	P	02 47 39.1 +0.2
L48A	N Adams	58.51 349	P	P	02 47 38.7 -1.0
L49A	Milan	58.55 350	P	P	02 47 39.3 -0.7
L47A	Sherwood	58.68 348	P	P	02 47 39.6 -1.4
AAM	Ann Arbor	58.71 350	eP	LR	02 47 41.6 +0.5
AAM	Ann Arbor	58.71 350	P	P	02 47 41.6 +0.5
M44A	Midewin, Midew	58.74 346	eP	LR	02 47 40.5 -0.6
M44A	Midewin, Midew	58.74 346	P	P	02 47 39.1 -2.2
K52A	Tiltsburg	58.74 352	P	P	02 47 41.1 -0.2
ACCN	Adirondack Com	58.78 358	eP	LR	02 47 43.4 +1.8

K51A	Iona Station	58.79 352	P	P	02 47 40.4 -1.2
N41A	Harden Midland	58.83 343	eP	LR	02 47 41.0 -1.0
N41A	Harden Midland	58.83 343	P	P	02 47 40.6 -1.4
FFD	Franklin Falls	58.84 0	eP	P	02 47 41.9 -0.1
FFD	Franklin Falls	58.84 0	P	P	02 47 42.9 +0.7
MEDO	Medina	58.86 354	eP	LR	02 47 42.0 -0.1
MEDO	Medina	58.86 354	P	P	02 47 42.8 +0.4
J55A	Hilton	58.90 355	eP	LR	02 47 42.3 -0.1
J55A	Hilton	58.90 355	P	P	02 47 42.3 -0.1
L46A	Eue Claire	58.94 347	eP	P	02 47 41.6 -1.1
L46A	Eue Claire	58.94 347	P	P	02 47 40.6 -2.2
TYNO	Tyreside	58.94 353	P	P	02 47 42.8 +0.1
STCO	Saint Catharin	58.98 354	P	P	02 47 42.8 -0.1
J54A	Appleton	58.99 354	eP	LR	02 47 43.1 +0.1
J54A	Appleton	58.99 354	P	P	02 47 44.0 +0.8
K50A	Casco	59.01 351	P	P	02 47 41.7 -1.4
121A	Cookes Peak, D	59.05 325	P	P	02 47 44.4 +0.5
319A	Douglas	59.05 323	eP	LR	02 47 44.4 +0.5
HNH	Hanover	59.08 360	eP	P	02 47 42.5 -1.1
K49A	Clarkson	59.15 350	P	P	02 47 42.7 -1.5
J52A	Paris	59.16 353	P	P	02 47 43.9 -0.3
N40A	Mertquake, Sal	59.20 343	P	P	02 47 43.1 -1.4
KSU1	Kansas State U	59.23 338	PFAKE	LR	02 48 00.0 +15
KSU1	Kansas State U	59.23 338	P	P	02 47 44.0 -0.8
K48A	Perry	59.28 349	P	P	02 47 43.8 -1.2
K47A	Vermontville	59.31 349	P	P	02 47 43.8 -1.5
M41A	Milan	59.36 344	P	P	02 47 44.1 -1.6
NCB	Newcomb	59.39 358	eP	LR	02 47 47.8 +2.0
TORO	Toronto-Lesli	59.40 354	P	P	02 47 45.7 -0.1
L44A	Lake County Fo	59.46 346	P	P	02 47 43.9 -2.4
ACTO	Acton	59.47 353	P	P	02 47 46.2 -0.2
K46A	Dorr	59.48 348	P	P	02 47 44.9 -1.6
PECO	Prince Edward	59.50 356	eP	LR	02 47 47.0 +0.5
PECO	Prince Edward	59.50 356	P	P	02 47 45.4 -1.1
DRWO	Darlington Wes	59.59 354	P	P	02 47 47.3 +0.1
DRCO	St. Marys Ceme	59.59 354	P	P	02 47 47.3 +0.1
WLVO	Wesleyville	59.61 354	P	P	02 47 47.2 -0.1
LBNH	Libson	59.61 360	eP	LR	02 47 49.2 +1.9
LBNH	Libson	59.61 360	P	P	02 47 49.2 +1.9
IS3A	Kortright Cn E	59.63 353	P	P	02 47 47.4 -0.1
BNM	Barren Site	59.64 327	eP	P	02 47 49.1 +1.9
J49A	Mariette	59.66 350	P	P	02 47 47.7 -0.6
J48A	Bridge Port	59.70 350	eP	LR	02 47 47.4 -0.6
J48A	Bridge Port	59.70 350	P	P	02 47 47.0 -1.0
VT1	Waterbury	59.71 359	eP	LR	02 47 48.4 +0.3
PKRO	Pickering	59.72 354	P	P	02 47 47.9 -0.1
RKT	Rikita	59.72 252	eS	LQ	02 55 54.4 -5.1
L42A	Oliver, Polo	59.72 345	eP	LR	03 02 54.2
L42A	Oliver, Polo	59.72 345	P	P	03 05 28.8
Y22D	IRIS PASSCAL I	59.74 326	PFAKE	LR	02 47 47.1 -1.0
Y22D	IRIS PASSCAL I	59.74 326	P	P	02 47 46.3 -1.8
I51A	Listowel	59.78 352	P	P	02 48 00.0 +11
J47A	Sumner	59.83 349	eP	LR	02 47 48.9 +0.2
J47A	Sumner	59.83 349	P	P	02 47 48.2 -0.3
I55A	Frankford	59.84 355	P	P	02 47 48.2 -0.7
LENM	Lemite	59.84 326	eP	P	02 47 47.8 -1.0
IS2A	Shelburne	59.84 353	P	P	02 47 48.5 -0.3
WVW	Waterville	59.97 2	eP	P	02 47 50.2 +0.9
WVW	Waterville	59.97 2	P	P	02 47 49.0 -0.6
LONY	Lake Ozonia	60.05 358	eP	P	02 47 51.6 +1.9
LONY	Lake Ozonia	60.05 358	P	P	02 47 50.8 +0.5
K43A	Burlington	60.05 346	eP	P	02 47 50.4 +0.1

K43A	comp=Z,10um,19.0s	LR	LR						
K43A	Burlington bazz=162,SNR=12	60.05 346	P	P	02 47 48.9	-1.5			
BASO	Ashfield bazz=169	60.08 352	P	P	02 47 50.0	-0.6			
J46A	Howard City bazz=165	60.09 348	P	P	02 47 49.2	-1.5			
LAZ	Ladron	60.11 326	eP	P	02 47 51.9	+0.7			
BWLO	Walkerton bazz=170,SNR=9.6	60.11 352	P	P	02 47 50.6	-0.2			
H56A	Elgin bazz=175	60.11 356	P	P	02 47 50.2	-0.5			
H55A	Tweed bazz=174,SNR=23	60.13 356	P	P	02 47 50.8	-0.1			
DELO	Deloro Mine comp=Z,167nm,1.5s	60.13 355	eP	P	02 47 51.2	+0.3			
DELO	comp=Z,9um,22.0s		LR	LR					
DELO	Deloro Mine bazz=174	60.13 355	P	P	02 47 50.8	-0.1			
ANMO	Albuquerque comp=Z,9.7nm,0.9s,bazz=147,slow=8.3,SNR=26	60.16 327	P	P	02 47 51.2	-0.4			
ANMO	Albuquerque comp=Z,24nm,1.2s	60.16 327	eP	P	02 47 51.8	+0.1			
ANMO	comp=Z,4um,20.0s		LR	LR					
ANMO	comp=Z,138nm,2.5s	60.16 327	dIP	P	02 47 51.7	+0.1			
ANMO	comp=Z,3um,20.0s		MLR	MLR					
ANMO	Albuquerque bazz=141	60.16 327	P	P	02 47 51.6	0.0			
I49A	Point Hope comp=Z,96nm,1.2s	60.17 351	eP	P	02 47 51.6	+0.4			
I49A	comp=Z,7um,22.0s		LR	LR					
I49A	Point Hope bazz=168,SNR=6.3	60.17 351	P	P	02 47 50.6	-0.6			
L40A	Anamosa comp=Z,69nm,1.3s	60.19 343	eP	P	02 47 50.3	-1.0			
L40A	comp=Z,8um,20.0s		LR	LR					
L40A	Anamosa bazz=158	60.19 343	P	P	02 47 49.7	-1.6			
CBKS	Cedar Bluff comp=Z,120nm,1.2s	60.20 335	eP	P	02 47 52.0	+0.5			
CBKS	Cedar Bluff comp=Z,120nm,1.2s	60.20 335	eP	P	02 47 52.0	+0.5			
CBKS	Cedar Bluff bazz=149,SNR=12	60.20 335	P	P	02 47 51.4	-0.2			
EMMW	East Machias comp=Z,34nm,1.2s	60.21 4	eP	P	02 47 53.1	+1.7			
EMMW	comp=Z,12um,22.0s		LR	LR					
FRNY	Flat Rock comp=Z,49nm,1.3s	60.23 358	eP	P	02 47 53.8	+2.2			
FRNY	comp=Z,9um,21.0s		LR	LR					
BRCO	Bruce Peninsula bazz=169	60.27 352	P	P	02 47 51.5	-0.3			
J45A	Montague	60.32 348	PFAKE	LR	02 48 00.0	+7.8			
J45A	comp=Z,9um,21.0s		P	P	02 47 49.9	-2.3			
J45A	Montague bazz=163	60.32 348	P	P	02 47 51.9	-0.4			
CLWO	Collingwood bazz=170,SNR=22	60.33 353	P	P	02 47 52.0	-1.2			
HAL	Halifax comp=Z,71nm,1.4s	60.47 7	eP	P	02 47 52.0	-1.2			
HAL	Halifax comp=Z,5um,20.0s	60.47 7	eP	P	02 47 52.0	-1.2			
HAL	Halifax comp=Z,71nm,1.4s	60.47 7	eP	P	02 47 52.0	-1.2			
HAL	comp=Z,71nm,1.4s		MLR	MLR					
H52A	Wyevale bazz=171,SNR=22	60.47 353	P	P	02 47 52.9	-0.4			
SADO	Sadova comp=Z,62nm,1.0s,bazz=212,slow=2.2,SNR=50	60.52 354	eP	P	02 47 53.0	-0.5			
SADO	comp=Z,0.7nm,0.3s,bazz=91,slow=18,SNR=1.7	60.52 354	eP	P	02 47 53.2	-0.3			
SADO	Sadova comp=Z,328nm,1.4s	60.52 354	eP	P	02 47 53.2	-0.3			
SADO	comp=Z,7um,21.0s		eS	S	02 56 05.7	-3.1			
SADO	comp=Z,7um,21.0s		LR	LR					
I47A	Gladwin comp=Z,46nm,1.1s	60.53 349	eP	P	02 47 53.9	+0.2			
I47A	comp=Z,10um,22.0s		LR	LR					
I47A	Gladwin bazz=166	60.53 349	P	P	02 47 52.2	-1.5			
I48A	Sherman Twp bazz=167,SNR=14	60.55 350	P	P	02 47 53.0	-0.7			
BMRO	Meriville Lake bazz=170,SNR=12	60.59 352	P	P	02 47 53.2	-0.8			
TUC	Tuesco comp=Z,28nm,1.4s	60.60 322	eP	P	02 47 55.1	+0.6			
TUC	comp=Z,7um,19.0s		LR	LR					
TUC	Tucson bazz=136	60.60 322	P	P	02 47 54.2	-0.3			
PLVO	Plevna comp=Z,84nm,1.3s	60.61 356	eP	P	02 47 54.5	+0.4			
PLVO	comp=Z,6um,20.0s		eS	S	02 56 09.8	-0.1			
PLVO	Plevna bazz=174	60.61 356	P	P	02 47 53.8	-0.3			
SCIA	State Center comp=Z,71nm,1.4s	60.62 342	eP	P	02 47 54.7	+0.4			
SCIA	comp=Z,3um,20.0s		eS	S	02 56 04.6	-5.7			
SCIA	State Center bazz=156	60.62 342	P	P	02 47 52.2	-2.1			
I46A	Reed City bazz=165	60.63 349	P	P	02 47 52.2	-2.1			
BANO	Bancroft bazz=173,SNR=18	60.66 355	P	P	02 47 53.8	-0.7			
GGN	Saint George comp=Z,74nm,1.4s	60.66 4	eP	P	02 47 53.2	-1.2			
PKME	Peaks-Kenny Pk comp=Z,49nm,1.3s	60.68 2	eP	P	02 47 55.0	+0.4			
PKME	comp=Z,7um,22.0s		LR	LR					
PKME	Peaks-Kenny Pk bazz=163	60.68 2	P	P	02 47 54.1	-0.5			
MOQ	Mont Orford comp=Z,93nm,1.4s	60.69 360	eP	P	02 47 56.2	+1.5			
JFWS	Jewell Farm comp=Z,93nm,1.4s	60.72 344	eP	P	02 47 54.2	-0.7			
JFWS	comp=Z,7um,18.0s		LR	LR					
JFWS	Jewell Farm comp=Z,93nm,1.4s	60.72 344	eP	P	02 47 54.3	-0.7			
JFWS	comp=Z,7um,18.0s		MLR	MLR					
JFWS	Jewell Farm bazz=160,SNR=7.7	60.72 344	P	P	02 47 53.9	-1.1			
G55A	Calabogie bazz=174,SNR=25	60.80 356	P	P	02 47 55.2	-0.2			
G53A	Haliburton bazz=172,SNR=64	60.82 354	P	P	02 47 55.4	-0.1			
I45A	Fountain comp=Z,10um,21.0s	60.87 348	PFAKE	LR	02 48 10.0	+1.4			
I45A	Fountain bazz=164	60.87 348	P	P	02 47 54.5	-1.5			
T25A	Trinidad comp=Z,3um,22.0s	60.87 330	PFAKE	LR	02 48 10.0	+1.4			
T25A	Trinidad bazz=144,SNR=27	60.87 330	P	P	02 47 56.4	0.0			
ORIO	Orleans, Innes bazz=176,SNR=18	60.92 357	P	P	02 47 55.9	-0.3			
ORHO	Orleans, Herit bazz=176	60.93 357	P	P	02 47 55.8	-0.5			
H48A	Harrisville comp=Z,86nm,1.4s	60.99 351	eP	P	02 47 56.3	-0.5			
H48A	comp=Z,10um,22.0s		LR	LR					
H48A	Harrisville bazz=167,SNR=5.3	60.99 351	P	P	02 47 55.8	-1.0			

H47A	Mio bazz=166	61.04 350	P	P	02 47 56.1	-1.0			
H46A	Fire Lake bazz=165,SNR=10	61.16 349	P	P	02 47 56.3	-1.6			
BUKO	Bue Lake bazz=172,SNR=60	61.21 354	P	P	02 47 58.1	-0.1			
KLBO	Killbear Provi bazz=171,SNR=34	61.22 353	P	P	02 47 57.6	-0.7			
TOBO	Tobemroy, Bru comp=Z,10um,22.0s	61.25 352	P	P	02 47 56.6	-1.8			
PEMO	Pembroke bazz=174,SNR=7.6	61.26 356	P	P	02 47 58.0	-0.6			
I42A	Dræger Farm, comp=Z,100nm,1.3s	61.31 346	eP	P	02 47 58.2	-0.7			
I42A	comp=Z,12um,22.0s		LR	LR					
I42A	Dræger Farm, bazz=161,SNR=14	61.31 346	P	P	02 47 58.4	-0.6			
GLMI	Grayling comp=Z,9um,22.0s	61.33 350	PFAKE	LR	02 48 10.0	+1.1			
GLMI	Grayling bazz=166	61.33 350	P	P	02 47 57.6	-1.5			
F55A	Otter Lake bazz=175	61.35 356	P	P	02 47 59.1	-0.1			
H45A	comp=Z,10um,22.0s		LR	LR					
H45A	comp=Z,10um,22.0s		LR	LR					
H45A	comp=Z,10um,22.0s		LR	LR					
GBN	Guysborough bazz=164	61.49 8	PFAKE	LR	02 48 10.0	+1.0			
GBN	comp=Z,10um,22.0s		LR	LR					
G47A	Hillman bazz=187,SNR=5.9	61.54 350	P	P	02 47 59.5	-1.0			
LMN	Caledonia Moun comp=Z,59nm,1.3s	61.55 6	eP	P	02 48 00.3	-0.2			
LMN	comp=Z,5um,18.0s		LR	LR					
F52A	Sundridge bazz=172,SNR=35	61.55 354	P	P	02 48 00.1	-0.5			
214A	Organ Pipe Nat bazz=134,SNR=11	61.57 321	P	P	02 48 01.8	+0.8			
KSCO	Keye Sheddock comp=Z,224nm,1.4s	61.58 333	eP	P	02 48 01.9	+0.8			
KSCO	comp=Z,4um,22.0s		LR	LR					
KSCO	Keye Sheddock bazz=166,SNR=10	61.58 333	P	P	02 48 01.2	+0.1			
ALGO	Algonquin Park bazz=173,SNR=23	61.59 355	P	P	02 48 00.6	-0.2			
H43A	Windswept, Lux comp=Z,110nm,1.4s	61.60 347	eP	P	02 48 00.8	-0.1			
H43A	comp=Z,8um,20.0s		LR	LR					
H43A	Windswept, Lux bazz=162	61.60 347	P	P	02 47 59.4	-1.5			
TRQ	Mont Tremblant comp=Z,55nm,1.3s	61.65 358	eP	P	02 48 01.4	+0.1			
I41A	comp=Z,10um,19.0s		LR	LR					
I41A	Arkdale bazz=160	61.70 345	P	P	02 48 00.7	-0.9			
G45A	Suttons Bay G45A	61.73 349	PFAKE	LR	02 48 10.0	+8.3			
G45A	comp=Z,10um,21.0s		LR	LR					
G45A	Suttons Bay bazz=165	61.73 349	P	P	02 48 00.0	-1.7			
X18A	Snowflake comp=Z,53nm,1.2s	61.73 325	eP	P	02 48 03.4	+1.1			
X18A	comp=Z,8um,22.0s		LR	LR					
F51A	Arnstein bazz=171,SNR=18	61.75 354	P	P	02 48 01.5	-0.3			
BGNE	Belgrade comp=Z,251nm,1.2s	61.82 338	eP	P	02 48 02.0	-0.5			
BGNE	Belgrade bazz=151,SNR=11	61.82 338	P	P	02 48 02.0	-0.5			
F49A	Sandfield bazz=169	61.84 352	P	P	02 48 01.5	-1.0			
G46A	Petoskey bazz=166,SNR=12	61.85 350	P	P	02 48 00.8	-1.8			
SDCO	Great Sand Dun comp=Z,112nm,1.3s	61.88 330	eP	P	02 48 03.7	+0.4			
SDCO	comp=Z,3um,20.0s		LR	LR					
SDCO	Great Sand Dun bazz=143,SNR=78	61.88 330	P	P	02 48 03.3	0.0			
E52A	Matawa bazz=172,SNR=28	61.98 355	P	P	02 48 02.8	-0.6			
E53A	Dumoine, Ponti bazz=174,SNR=21	61.98 355	P	P	02 48 03.3	-0.1			
F48A	Evansville bazz=168,SNR=12	61.99 351	P	P	02 48 02.1	-1.4			
E54A	Lac Duplat, Po bazz=174,SNR=22	62.00 356	P	P	02 48 03.3	-0.2			
W18A	Petrified Fore comp=Z,9um,19.0s	62.05 325	PFAKE	LR	02 48 20.0	+1.6			
W18A	Petrified Fore bazz=138	62.05 325	P	P	02 48 05.4	+1.0			
PQI	Presque Isle comp=Z,70nm,1.5s	62.14 3	eP	P	02 48 03.9	-0.5			
PQI	comp=Z,12um,21.0s		LR	LR					
E51A	G1948 Merrick bazz=142,SNR=24	62.30 354	P	P	02 48 05.3	-0.2			
F45A	CMU Biological bazz=165	62.32 349	P	P	02 48 04.5	-1.2			
E50A	Wahnapiitae bazz=170,SNR=9.9	62.33 353	P	P	02 48 05.0	-0.7			
X16A	Lo Mia Camp, P comp=Z,34nm,1.0s	62.50 323	eP	P	02 48 08.3	+1.0			
X16A	comp=Z,11um,22.0s		LR	LR					
S22A	4UR Ranch, Cre S22A	62.53 329	PFAKE	LR	02 48 20.0	+1.2			
S22A	comp=Z,4								

N23A	comp=Z,5um,22.0s Red Feather La baz=143,SNR=13	64.60	332	P	P	02 48 21.9	+0.7
LSOQ	Label-sur-Quev baz=171	64.60	356	P	P	02 48 20.5	-0.3
PHWY	Pilot Hill	64.70	332	PFAKE	LR	02 48 30.0	+8.0
SUSD	Miller baz=151	64.76	339	P	P	02 48 21.1	-0.8
109C	Camp Elliot, M baz=131	64.88	319	P	P	02 48 23.3	+0.4
CPE	Camp Elliot comp=Z,32nm,1.1s	64.88	319	eP	P	02 48 22.0	-0.9
CPE					LR		
BELC	Belle Mtn. Jos baz=132,SNR=9.6	64.92	320	P	P	02 48 24.1	+0.8
PFO	Pinyon Flats O comp=Z,3.2nm,0.4s,baz=132,slow=7.8,SNR=16	64.95	320	P	P	02 48 23.5	0.0
PFO	Pinyon Flats O comp=Z,46nm,1.4s	64.95	320	eP	LR	02 48 23.8	+0.3
PFO					LR		
PFO	Pinyon Flats O comp=Z,4um,21.0s	64.95	320	eP	pmax	02 48 23.8	+0.3
PFO					pmax		
PFO					MLR		
PFO					MLR		
PFO	Pinyon Flats O baz=132,SNR=7.2	64.95	320	P	P	02 48 24.6	+1.1
O20A	White River Ci comp=Z,93nm,1.4s	65.08	330	eP	P	02 48 25.2	+0.9
O20A					LR		
O20A	White River Ci comp=Z,5um,20.0s baz=141,SNR=24	65.08	330	P	P	02 48 24.6	+0.3
LDFC	Landfair comp=Z,36nm,1.0s	65.11	322	eP	P	02 48 26.9	+2.4
LDFC					LR		
KNB	Kanab comp=Z,3um,19.0s	65.14	325	eP	LR	02 48 26.1	+1.3
KNB	Kanab comp=Z,62nm,1.1s	65.14	325	eP	P	02 48 26.1	+1.3
KNB					pmax		
KNB					pmax		
PKCU	Pink Cliffs comp=Z,62nm,1.1s	65.17	325	eP	P	02 48 26.6	+1.5
C40A	Isle Royale Na comp=Z,92nm,1.3s	65.18	347	eP	P	02 48 24.5	0.0
C40A					LR		
C40A	Isle Royale Na comp=Z,6um,21.0s baz=162,SNR=6.7	65.18	347	P	P	02 48 24.0	-0.5
GMRC	Granite Mouna baz=133,SNR=17	65.24	321	P	P	02 48 26.1	+0.7
CHGO	Chibougama baz=177,SNR=17	65.33	358	P	P	02 48 25.1	-0.3
MATQ	Matagan baz=174,SNR=17	65.34	356	P	P	02 48 24.7	-0.9
LCMT	Little Creek M comp=Z,26nm,1.1s	65.38	324	eP	P	02 48 27.6	+1.4
MURC	Murrieta baz=131	65.40	319	P	P	02 48 27.1	+0.8
SRU	San Rafael Swe comp=Z,38nm,1.1s	65.44	328	eP	P	02 48 27.4	+0.7
SRU	San Rafael Swe comp=Z,38nm,1.1s	65.44	328	eP	pmax	02 48 27.4	+0.7
SRU					pmax		
MTPU	Mount Pierson comp=Z,17nm,0.9s	65.53	326	eP	P	02 48 28.3	+0.8
Q16A	Castle Valley comp=Z,2um,1.0s	65.63	327	eP	P	02 48 28.2	+0.3
BBRC	Big Bear Solar baz=132	65.67	320	P	P	02 48 29.5	+1.2
HEC	Hector,Ludlow baz=132,SNR=7.3	65.68	321	P	P	02 48 29.2	+1.0
SZCU	Shurtz Canyon comp=Z,44nm,1.3s	65.70	325	eP	P	02 48 29.9	+1.5
EYMN	Ely comp=Z,146nm,1.5s	65.74	346	eP	P	02 48 27.3	-0.9
EYMN					LR		
EYMN					LR		
EYMN	Ely baz=159,SNR=13	65.74	346	P	P	02 48 27.0	-1.2
RWWY	Rawlins comp=Z,6um,21.0s	65.81	332	PFAKE	LR	02 48 40.0	+11
RWWY					LR		
P17A	Butcher Ranch, comp=Z,45nm,1.0s	65.82	328	eP	P	02 48 30.1	+1.0
CCUT	Cedar City comp=Z,83nm,1.3s	65.83	325	eP	P	02 48 30.7	+1.5
TUQ	Turquoise Moun baz=133,SNR=13	65.84	321	P	P	02 48 30.0	+0.7
DRLN	Deer Lake comp=Z,126nm,1.1s	65.86	10	eP	P	02 48 28.9	0.0
SC12	San Clemente I baz=130	65.87	318	P	P	02 48 29.4	+0.1
MSU	Marysvalle 65.87 326 eP					02 48 30.4	+0.9
MSU	Marysvalle 65.87 326 eP					02 48 30.4	+0.9
TMUT	Trail Mountain comp=Z,26nm,1.1s	65.93	321	P	P	02 48 30.6	+1.0
CIS	Catalina Island baz=130	66.11	319	P	P	02 48 31.9	+0.9
BFSC	Mount Baldy Ra baz=131,SNR=6.0	66.11	319	P	P	02 48 32.3	+1.2
SHPR	Sheep Range comp=Z,24nm,1.1s	66.12	323	eP	P	02 48 32.3	+1.2
SHPR					LR		
RRX	Edison Barstow baz=132	66.12	320	P	P	02 48 31.4	+0.4
FMP	Fort Macarthur baz=137	66.17	319	P	P	02 48 31.4	+0.2
K22A	Casper comp=Z,74nm,1.3s	66.26	333	eP	P	02 48 32.6	+0.8
K22A					LR		
K22A					LR		
K22A	Casper comp=Z,4um,20.0s baz=143,SNR=14	66.26	333	P	P	02 48 31.8	0.0
GSC	Goldstone, Bar comp=Z,37nm,1.4s	66.28	321	eP	P	02 48 33.5	+1.4
GSC					LR		
GSC	Goldstone, Bar baz=132,SNR=11	66.28	321	P	P	02 48 33.2	+1.1
MWC	Mount Wilson comp=Z,63nm,1.5s	66.35	319	eP	LR	02 48 33.3	+0.7
MWC					LR		
MWC	Mount Wilson comp=Z,2um,20.0s	66.35	319	eP	pmax	02 48 33.3	+0.7
MWC					pmax		
MWC					MLR		
SHOC	Shoshone, Teco baz=133,SNR=7	66.36	322	P	P	02 48 33.2	+0.8
PASC	Pasadena Art C comp=Z,64nm,1.5s	66.40	319	eP	P	02 48 32.7	0.0
PASC					LR		
RSSD	Black Hills comp=Z,3um,19.0s	66.40	335	eP	P	02 48 33.6	+0.8
RSSD	Black Hills comp=Z,36nm,1.1s	66.40	335	eP	pmax	02 48 33.6	+0.8
RSSD					pmax		
RSSD	Black Hills comp=Z,36nm,1.1s baz=146	66.40	335	P	P	02 48 32.4	-0.3
VNA3	Neumayer Olymp baz=139	66.43	162	P	P	02 48 35.5	+3.1
DECC	Green Verdugo baz=139	66.55	319	P	P	02 48 34.9	+1.2
VNA1	Neumayer-Stat San Nicolas Is	66.65	161	P	P	02 48 37.5	+3.8
SNCC	San Nicolas Is comp=Z,3um,19.0s	66.67	317	PFAKE	LR	02 48 50.0	+16
SNCC					LR		
SNCC	San Nicolas Is baz=129	66.67	317	P	P	02 48 34.2	-0.3
MPU	Maple Canyon comp=Z,42nm,1.2s	66.68	328	eP	P	02 48 36.4	+1.7
EDW2	Edwards Air Fo baz=131,SNR=5.5	66.74	320	P	P	02 48 35.4	+0.4
PSUT	Pine Spring comp=Z,40nm,1.0s	66.80	325	eP	P	02 48 36.9	+1.4
NLU	North Lily Min comp=Z,54nm,1.3s	66.87	327	eP	P	02 48 34.5	-1.4
BLG	Laguna Peak, P baz=130	66.92	318	P	P	02 48 36.4	+0.4
LPMC	Laurel Mtn Rad	66.94	320	P	P	02 48 36.6	+0.3
OSI	Osito Audit: C baz=131	67.02	319	PFAKE	LR	02 48 50.0	+13
OSI					LR		
OSI	Osito Audit: C comp=Z,3um,22.0s baz=130	67.02	319	P	P	02 48 37.1	+0.3
JLU	Jordanelle comp=Z,61nm,1.2s	67.03	328	eP	P	02 48 37.7	+0.8
TPNV	Topopah Spring comp=Z,79nm,1.2s	67.06	322	eP	LR	02 48 38.8	+1.7
TPNV					LR		
TPNV	Topopah Spring comp=Z,4um,19.0s	67.06	322	eP	pmax	02 48 38.8	+1.7
TPNV					pmax		
TPNV					MLR		
TPNV					MLR		
TPNV	Topopah Spring comp=Z,4um,19.0s	67.06	322	P	P	02 48 38.3	+1.2
FURC	Furnace Creek, baz=132,SNR=8.2	67.10	322	P	P	02 48 38.4	+1.3
MPMC	Manual Prospec baz=132,SNR=19	67.20	321	P	P	02 48 38.7	+0.6
AGNM	Agassiz Nation comp=Z,48nm,1.0s	67.21	343	eP	P	02 48 37.6	+0.1
AGNM	Agassiz Nation comp=Z,155,SNR=16	67.21	343	P	P	02 48 37.2	-0.3
SCZ2	Santa Cruz Isl baz=129	67.21	318	P	P	02 48 38.7	+0.8
CTU	Camp Tracy comp=Z,19nm,1.0s	67.25	328	eP	P	02 48 39.6	+1.4
TCUT	Tooele Canyon comp=Z,7.1nm,1.0s	67.39	329	eP	P	02 48 40.3	+1.1
DAC	Darwin (Calif) comp=Z,5um,22.0s	67.41	321	eP	LR	02 48 38.9	-0.4
DAC					LR		
DAC	Darwin (Calif) comp=Z,5um,22.0s	67.41	321	eP	MLR	02 48 38.9	-0.4
DAC					MLR		
ARVC	Arvin baz=130	67.42	319	P	P	02 48 40.1	+0.9
DUG	Dugway, Tooele comp=Z,69nm,1.3s	67.43	327	eP	P	02 48 40.2	+0.9
DUG					LR		
DUG	Dugway, Tooele comp=Z,4um,18.0s	67.43	327	eP	pmax	02 48 40.2	+0.9
DUG					pmax		
DUG					MLR		
DUG					MLR		
DUG	Dugway, Tooele comp=Z,4um,18.0s baz=137,SNR=29	67.43	327	P	P	02 48 39.9	+0.6
SBC	Santa Barbara baz=129	67.54	318	P	P	02 48 41.2	+1.3
ISA	Isabella, Lake comp=Z,44nm,1.3s	67.55	320	eP	LR	02 48 41.7	+1.6
ISA					LR		
ISA	Isabella, Lake comp=Z,6um,22.0s	67.55	320	eP	pmax	02 48 41.7	+1.6
ISA					pmax		
ISA					MLR		
ISA					MLR		
ISA	Isabella, Lake comp=Z,6um,22.0s baz=131,SNR=9.5	67.55	320	P	P	02 48 40.7	+0.6
R11A	Troy Canyon, C comp=Z,40nm,1.3s	67.64	324	eP	LR	02 48 41.9	+1.1
R11A					LR		
R11A	Troy Canyon, C comp=Z,8um,21.0s	67.64	324	P	P	02 48 41.6	+0.9
R11A					LR		
ROSA	Rosais comp=Z,16um,22.0s	67.70	36	PFAKE	LR	02 48 50.0	+9.1
ROSA					LR		
BW06	Boulder Array comp=Z,62nm,1.5s	67.74	331	eP	P	02 48 42.2	+0.9
BW06					LR		
BW06	Boulder Array baz=140	67.74	331	P	P	02 48 41.0	-0.3
PD31	Pinedale Array comp=Z,4um,18.0s	67.74	331	eP	P	02 48 40.2	-1.1
PD31					eP		
PDAR	Pinedale Array comp=Z,2.0nm,0.8s,baz=124,slow=5.9,SNR=12	67.74	331	eP	PP	02 48 40.2	-1.1
PDAR					PP		
GRAC	Grapevine Rang baz=122,slow=20,SNR=3.7	67.75	322	P	P	02 48 42.4	+1.1
CWC	Cottonwood Cre baz=131	67.81	321	P	P	02 48 42.6	+0.7
HWUT	Hardware Ranch comp=Z,59nm,1.3s	67.83	329	eP	P	02 48 41.9	0.0
HWUT					LR		
PKM	Mcperson Peak baz=129	67.89	319	P	P	02 48 43.4	+1.0
MDND	Maddock comp=Z,437nm,1.4s	67.95	340	eP	P	02 48 40.8	-1.5
MDND	Maddock baz=151,SNR=16	67.95	340	P	P	02 48 42.7	+0.4
YES	Yes, Big Thor baz=130,SNR=7.3	68.04	320	P	P	02 48 43.6	+0.5
BGU	Big Grassy Moun comp=Z,41nm,1.3s	68.08	327	eP	P	02 48 43.5	+0.1
SMMC	Simmer baz=129	68.27	319	P	P	02 48 45.6	+1.0
TIN	Tinemaha, Big baz=131	68.31	321	P	P	02 48 45.9	+1.0
AHID	Auburn Hatcher comp=Z,3um,20.0s	68.47	330	PFAKE	LR	02 49 00.0	+14
AHID					LR		
VOG	Valley Oaks Go baz=130	68.53	320	P	P	02 48 46.2	+0.1
HVU	Hansel Valley comp=Z,26nm,0.9s	68.57	328	eP	P	02 48 48.4	+1.9
CMLA	Cha da Macela comp=Z,16um,22.0s	68.64	162	P	P	02 48 48.7	+2.2
CMLA					LR		
SNA4	Sanae comp=Z,130nm,1.2s	68.64	162	eP	P	02 48 46.8	+0.3
SNA4					LR		
SNA4					LR		
SNA4	Antelope Grade comp=Z,65nm,1.4s	68.70	319	eP	P	02 48 48.6	+2.2
PAGB					LR		
PAGB					LR		
SNOW	Snow King Moun comp=Z,5um,21.0s	68.83	331	PFAKE	LR	02 49 00.0	+12

17d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like HRV, EGMT, WVOR, GDXM, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like F07A, HAWA, NEW, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like ALMR, PTOM, SFS, etc.

DIB DIB	Dawson Inlet, comp=Z,4j,22.0s	86.05 328	PFAKE LR	LR	02 50 40.0	+16	LBWR LBWR	Ladybowyer, Pea comp=Z,11m,21.0s	91.02 34	eP	P	IAMS_20	IAMS_20	02 50 35.6	-12	CLTB CLTB	Cattabellotta comp=Z,4j,22.0s	95.49 53	PFAKE LR	LR		02 51 20.0	+11
XMAS XMAS	Kiritimati comp=Z,5j,19.0s	86.41 273	PFAKE LR	LR	02 50 40.0	+13	ESK ESK	Eskdamur comp=Z,6j,22.0s	91.07 32	PFAKE LR	LR			02 51 00.0	+12	EGAK EGAK	Eagle comp=Z,12m,1.0s	95.58 336	eP	P		02 51 09.3	+0.9
CCA1 CCA1	Carmenellis comp=Z,10j,24.0s	87.64 36	eP	P	02 50 18.1	-14	CLF CLF	Chambon-Foret comp=Z,57m,1.3s	91.19 40	eP	P			02 50 48.4	-0.1	MXZ MXZ	Matakaoa Point comp=Z,2j,21.0s	95.64 229	PFAKE LR	LR		02 51 20.0	+11
WRAK K Wrangell Island	Wrangell Island comp=Z,48m,1.1s	87.73 331	eP	P	02 50 31.2	-0.9	RES RES	Resolute Bay comp=Z,8j,21.0s	91.34 354	eP	P			02 50 47.3	-1.3	DAVOX DAVOX	Davos/Dischmat comp=Z,0.8m,0.5s,baz=262,slow=6.7,SNR=2.2	95.65 43	S	SKSac		03 01 45.8	+0.3
WRAK	comp=Z,3j,18.0s		LR	LR			RES RES	Resolute Bay comp=Z,27m,1.4s	91.34 354	eP	P			02 50 48.1	-0.5	BFZ BFZ	Birch Farm comp=Z,8j,21.0s	95.75 225	PFAKE LR	LR		02 51 20.0	+10
DLBC	Dease Lake comp=Z,15m,0.8s,baz=129,slow=3.8,SNR=22	87.81 333	eP	P	02 50 33.2	+0.7	RES RES	Resolute Bay comp=Z,9j,21.0s	91.34 354	eP	P			02 50 48.1	-0.5	STU STU	Stuttgart comp=Z,6j,21.0s	95.79 41	PFAKE LR	LR		02 51 20.0	+10
DLBC	Dease Lake comp=Z,49m,1.1s	87.81 333	eP	P	02 50 33.5	+1.0	RES RES	Resolute Bay comp=Z,27m,1.4s	91.34 354	eP	P			02 50 48.1	-0.5	DAVA DAVA	Damuels comp=Z,6.5m,1.1s	95.80 43	eP	P		02 51 11.1	+1.1
HTL HTL	Harland comp=Z,9j,22.3s	88.43 36	eP	P	02 50 22.6	-13	RES RES	Resolute Bay comp=Z,27m,1.4s	91.34 354	eP	P			02 50 48.1	-0.5	EYAK EYAK	Cordova Ski comp=Z,6.5m,1.1s	95.86 331	PFAKE LR	LR		02 51 20.0	+10
DSB	Dublin comp=Z,2.1m,1.3s	88.47 33	eP	P	02 50 36.9	+1.3	RES RES	Resolute Bay comp=Z,9j,21.0s	91.34 354	eP	P			02 50 48.1	-0.5	FUORN FUORN	Openpass-Fuorn comp=Z,6.5m,1.9s	95.86 43	PFAKE LR	LR		02 51 20.0	+10
DSB	comp=Z,2.1m,1.3s		LR	LR			EDMD EDMD	Edmundbyers comp=Z,7j,17.8s	91.50 33	eP	P			02 50 36.4	-13	WDD WDD	Wied Dalam comp=Z,6j,21.0s	96.06 55	PFAKE LR	LR		02 51 20.0	+8.8
BOSA	Bosho comp=Z,18m,0.9s,baz=268,slow=3.9,SNR=18	88.59 119	eP	P	02 50 37.3	+0.2	SSB SSB	Saint Sauveur comp=Z,8j,37.1s	91.65 43	eP	P			02 50 37.1	-13	URZ URZ	Urewera comp=Z,4j,18.0s	96.20 228	PFAKE LR	LR		02 51 20.0	+8.0
BOSA	comp=Z,2.1m,1.3s		LR	LR			SSB SSB	Saint Sauveur comp=Z,10.0m,1.2s	91.65 43	eP	P			02 50 52.4	+1.6	BKZ BKZ	Black Stump Fm comp=Z,10j,20.0s	96.25 227	PFAKE LR	LR		02 51 20.0	+7.8
BOSA	comp=Z,9j,21.9s,baz=250,slow=3.3	88.59 119	eP	P	02 50 37.4	+0.2	SSB SSB	Saint Sauveur comp=Z,10.0m,1.2s	91.65 43	eP	P			02 50 52.4	+1.6	FID FID	Port Fidalgo comp=Z,5j,20.0s	96.27 332	PFAKE LR	LR		02 51 20.0	+8.4
BOSA	comp=Z,2.2m,1.0s	88.59 119	eP	P	02 50 37.4	+0.2	ELSH ELSH	Elham, Standar comp=Z,9j,19.0s	91.71 37	eP	P			02 50 37.5	-13	FETA FETA	Feichten comp=Z,8.5m,1.8s	96.28 43	eP	P		02 51 11.7	-0.5
RSBS RSBS	Rosebush, Pemb comp=Z,5j,20.9s	88.73 35	eP	P	02 50 24.5	-12	LMK LMK	Market Rasen comp=Z,11j,21.4s	91.99 54	eP	P			02 50 37.7	-14	DOT DOT	Dot Lake comp=Z,15m,1.3s	96.29 335	eP	P		02 51 13.1	+1.4
BORG	Borgarnes comp=Z,69m,1.3s	88.80 19	eP	P	02 50 38.6	+1.6	KEST KEST	Kesra comp=Z,3.1m,0.8s,baz=208,slow=17,SNR=2.5	91.99 54	eP	P			02 50 52.7	+0.1	SCRK SCRK	Sand Creek comp=Z,4j,20.0s	96.39 335	PFAKE LR	LR		02 51 20.0	+7.8
BORG	Borgarnes comp=Z,68m,1.3s	88.80 19	eP	P	02 50 38.6	+1.6	KEST KEST	Kesra comp=Z,3.2m,0.9s,baz=174,slow=7.0,SNR=4.6	91.99 54	eP	P			02 54 30.6	-1.9	RETA RETA	Reutte comp=Z,7.5m,1.3s	96.43 43	eP	P		02 51 13.7	+0.9
BORG	comp=Z,68m,1.3s		MLR	MLR			KEST KEST	Kesra comp=Z,4j,18.1s,baz=206,slow=38	91.99 54	eP	P			02 50 52.7	+0.1	SNZO SNZO	South Karori comp=Z,8j,19.0s	96.52 224	PFAKE LR	LR		02 51 20.0	+6.7
JSA JSA	Saint Aubin comp=Z,6j,22.0s	88.97 38	eP	P	02 50 26.7	-11	KEST KEST	Kesra comp=Z,8.4m,1.3s	91.99 54	eP	P			02 54 30.6	-1.9	GLI GLI	Glacier Island comp=Z,4j,21.0s	96.61 43	eP	P		02 51 14.4	+0.7
JSA	comp=Z,7j,18.4s	88.97 38	eP	P	02 50 26.7	-11	WACR WACR	West Acre comp=Z,9j,22.2s	92.04 35	eP	P			02 50 39.1	-13	PAX PAX	Paxson comp=Z,6.8m,1.0s	96.62 334	eP	P		02 51 13.8	+0.5
SIT SIT	Sitka comp=Z,7j,18.4s	89.46 331	PFAKE LR	LR	02 50 50.0	+10	BIGH BIGH	Upper Bighouse comp=Z,8j,21.1s	92.15 29	eP	P			02 50 40.7	-12	HON HON	Honolulu comp=Z,3j,20.0s	92.20 291	PFAKE LR	LR		02 51 10.0	+6.7
KHU KHU	Kahuku comp=Z,3j,20.0s	89.47 290	PFAKE LR	LR	02 50 50.0	+8.5	HON HON	Honolulu comp=Z,3j,20.0s	92.20 291	PFAKE LR	LR			02 51 10.0	+6.7	KIP KIP	Kipapa comp=Z,3j,22.0s	92.24 291	PFAKE LR	LR		02 51 10.0	+16
CLGH CLGH	Cloghs, Cushen comp=Z,8j,19.8s	89.49 32	eP	P	02 50 26.9	-14	KIP KIP	Kipapa comp=Z,3j,22.0s	92.24 291	PFAKE LR	LR			02 51 10.0	+16	HYT HYT	Haines Juncio comp=Z,25m,1.3s	92.30 333	eP	P		02 50 52.4	-1.1
MLOA MLOA	Mauna Loa Obsse comp=Z,3j,20.0s	89.52 290	PFAKE LR	LR	02 50 50.0	+8.1	HYT HYT	Haines Juncio comp=Z,25m,1.3s	92.30 333	eP	P			02 50 52.4	-1.1	OPA OPA	Opana comp=Z,3j,21.0s	92.31 292	PFAKE LR	LR		02 51 10.0	+16
WPS WPS	Cernaes, Angles comp=Z,9j,24.2s	89.53 34	eP	P	02 50 27.8	-13	SCO SCO	Scoresbysund comp=Z,3j,20.0s	92.51 15	PFAKE LR	LR			02 51 10.0	+16	SCO SCO	Scoresbysund comp=Z,3j,20.0s	92.51 15	iP	P		02 50 55.9	+1.8
WLF1 WLF1	Lynfaes comp=Z,20j,25.0s	89.53 34	eP	P	02 50 27.4	-13	SCO SCO	Scoresbysund comp=Z,8j,25.0s	92.51 15	iP	P			02 50 55.9	+1.8	BCPM BCPM	Bancas Point comp=Z,4j,22.0s	92.83 332	PFAKE LR	LR		02 51 10.0	+14
POHA POHA	Pohakuloa comp=Z,3j,20.0s	89.54 291	PFAKE LR	LR	02 50 50.0	+8.2	BNI BNI	Bardonecchia comp=Z,7.6m,1.3s	93.00 44	eP	P			02 50 57.6	+0.5	BNI BNI	Bardonecchia comp=Z,7.6m,1.3s	93.00 44	eP	P		02 50 57.6	+0.5
MAHO MAHO	Mahon comp=Z,4j,20.0s	89.56 48	eP	P	02 50 38.1	-3.0	BNI BNI	Bardonecchia comp=Z,7.6m,1.3s	93.00 44	eP	P			02 50 57.6	+0.5	BNI BNI	Bardonecchia comp=Z,7.6m,1.3s	93.00 44	eP	P		02 50 57.6	+0.5
JIS JIS	Janeau Island comp=Z,80m,1.5s	89.65 332	eP	P	02 50 42.4	+1.4	BNI BNI	Bardonecchia comp=Z,7.6m,1.3s	93.00 44	eP	P			02 50 57.6	+0.5	PCA PCA	Pinnacle comp=Z,4j,22.0s	93.18 332	PFAKE LR	LR		02 51 10.0	+12
MCH1 MCH1	Michaelchurch comp=Z,9j,21.8s	89.72 35	eP	P	02 50 28.9	-13	DOU DOU	Dourbes comp=Z,4j,22.0s	93.37 39	iP	P			02 50 58.4	-0.2	UCC UCC	Uccle comp=Z,6j,20.0s	93.47 38	iP	P		02 50 58.3	-0.7
MONM MONM	Monmouth comp=Z,8j,20.8s	89.75 35	eP	P	02 50 29.2	-12	UCC UCC	Uccle comp=Z,6j,20.0s	93.47 38	iP	P			02 50 58.3	-0.7	SENIN SENIN	Lac Senin/Sane comp=Z,4j,19.0s	93.83 43	PFAKE LR	LR		02 51 10.0	+8.9
HPAH HPAH	Hawaii Prepara comp=Z,3j,19.0s	89.77 291	PFAKE LR	LR	02 50 50.0	+7.4	KEKH KEKH	Kekaha comp=Z,4j,19.0s	93.91 292	PFAKE LR	LR			02 51 10.0	+8.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
KHLU KHLU	Kahalu u comp=Z,3j,20.0s	89.82 290	PFAKE LR	LR	02 50 50.0	+7.1	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR			02 51 03.5	+1.2	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
BATH BATH	Bath comp=Z,11j,23.3s	89.85 36	eP	P	02 50 29.9	-12	ECH ECH	Echery comp=Z,14m,1.2s	94.39 39	iP	P			02 51 03.6	+0.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
IOMK IOMK	Kirk Michael comp=Z,11j,23.3s	89.89 33	eP	P	02 50 29.8	-13	ECH ECH	Echery comp=Z,14m,1.2s	94.39 39	iP	P			02 51 03.6	+0.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
LBTB LBTB	Lobatse comp=Z,40m,1.1s	89.93 116	eP	P	02 50 44.9	+1.4	ECH ECH	Echery comp=Z,14m,1.2s	94.39 39	iP	P			02 51 03.6	+0.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
LBTB	Lobatse comp=Z,40m,1.1s	89.93 116	eP	P	02 50 44.9	+1.4	ECH ECH	Echery comp=Z,14m,1.2s	94.39 39	iP	P			02 51 03.6	+0.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
FOEL FOEL	Foel Wyifa comp=Z,40m,1.1s	90.00 34	eP	P	02 50 28.9	-14	MEM MEM	Membach comp=Z,6j,20.0s	94.39 39	iP	P			02 51 03.6	+0.3	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
HLM1 HLM1	Long Mynd comp=Z,12j,20.8s	90.01 35	eP	P	02 50 30.6	-12	BALM BALM	Baldy comp=Z,4j,21.0s	94.51 333	PFAKE LR	LR			02 51 02.6	-1.0	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
BESE BESE	Bessie Mountai comp=Z,82m,1.2s	90.02 332	eP	P	02 50 44.5	+1.6	INK INK	Inuvik comp=Z,8.1m,1.0s,baz=83,slow=5.5,SNR=12	94.58 341	eP	P			02 51 04.0	+0.4	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
STRD STRD	Stroud comp=Z,9j,22.2s	90.08 36	eP	P	02 50 29.7	-14	INK INK	Inuvik comp=Z,8.1m,1.0s,baz=83,slow=5.5,SNR=12	94.58 341	eP	P			02 51 04.0	+0.4	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
GAL1 GAL1	Galloway comp=Z,9j,22.2s	90.10 32	eP	P	02 50 29.9	-13	INK INK	Inuvik comp=Z,8.1m,1.0s,baz=83,slow=5.5,SNR=12	94.58 341	eP	P			02 51 04.0	+0.4	WLF WLF	Walferdange comp=Z,30j,19.0s	94.17 40	PFAKE LR	LR		02 51 03.5	+1.2
SWN1 SWN1	Swindon comp=Z,3j,37.0s	90.18 36	eP	P	02 50 30.4	-13	INK INK	Inuvik comp=Z,8.1m,1.0s,baz=83,slow=5															

Table with multiple columns containing station identifiers (e.g., RABBIT CREEK A, LAKE BENMORE), numerical values (e.g., 97.88 331), and various codes (e.g., ePP, P, LR). The table is organized into several vertical sections.

Table with columns: ID, Name, Az, El, Az-El, P, S, Az-El, P, S. Includes stations like Cable, Columbus Grove, Tazewell, etc.

Table with columns: ID, Name, Az, El, Az-El, P, S, Az-El, P, S. Includes stations like Monroe, Oliver, Polo, etc.

Table with columns: ID, Name, Az, El, Az-El, P, S, Az-El, P, S. Includes stations like HHAR Hobbs, COLD Coldfoot, X40A, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like Q24A Divide, BW06 Boulder Array, BW06 Boulder Array, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like NV01 Mina Array Sit, NV01 Mina Array Beta, GO01 Chusmiza, etc.

ATH 17 03:03:39.3, 38'22"N, 22.09E, h11km, MLO, 8/4, Error ellipse: s-maj=1.7km s-min=0.8km az=247.0, Greece

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and other details. Includes entries like AIG2 Aigio, AIG4 Aigion, LAKA LAKA, etc.

Honshu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and other details. Includes entries like JAJ2 Tsuna, JAJ2 Tsuna, JMJK Miki, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like KSRS 0.5nm, 0.3s, baz=118, slow=24, SNR=4.8, KS15 Wonju Array Si, etc.

ISCJB 17 03:14:34.7, 0.3, 4.29S, 0.04x128.84E, 0.05, h32km, mb4.3/16, MS4.0/1, Error ellipse: s-maj=7.2km s-min=5.5km az=155.8

DJA 17 03:14:35.4, 0.7, 4.7, S, 7.12, 9E, h10km, M4.2/7, MLv4.2/7, IDC 17 03:14:39.2, 3.8, 4.1, 1.1S, 128.86E, h45km, 35km, mb3.9/9, mb1.4/1.0, ms1mx3.8/30, mbtmp4.1/1.0, ML4.4/1, MS4.0/2, mb1.4/0.2, ms1mx3.4/34, Error ellipse: s-maj=40.2km s-min=22.8km az=78.0

NEIC 17 03:14:41.6, 1.3, 4.38S, 129.15E, h87km, 7km, mb4.3/13, Error ellipse: s-maj=14.5km s-min=11.6km az=81.0

ISC 17 03:14:36.3, 0.6, 4.20S, 0.06x128.82E, 0.05, h32km, n45, s180/45, mb4.2/15, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, and other details. Includes entries like AAJ Ambon, MSAI Masohi, BNDI Bandanaira, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CHOS Chios island, PSRA Psara, DKL Dikiri, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like EZN Ezine, BLCB Balcova, LIA Limnos Island, etc.

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

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like DGZ Jazzator, CUR Chagan-Uzun, AKAR Aktash, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YUK2 White River, YUK1 Sand Pete Hill, PTPK Patty Peak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YUK2 White River, YUK1 Sand Pete Hill, PTPK Patty Peak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BRU2 Volcan, BRU1 Volcan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YUK2 White River, YUK1 Sand Pete Hill, PTPK Patty Peak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YUK2 White River, YUK1 Sand Pete Hill, PTPK Patty Peak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like YUK2 White River, YUK1 Sand Pete Hill, PTPK Patty Peak, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BRU2 Volcan, BRU1 Volcan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like EDSV San Vito, EDBA Buenos Aires, EDPN Palmar Norte, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SPN Mys Shipunski, RUS Russkaya, NLC Nallytchevo, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like TCA Tanti, MRA San Martin, ACAN Cantantal, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like KSH Kashi, KSH Kashi, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AAK Ala-Archa, AAK Ala-Archa, AKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ABA Alger-Bouzarea, ABMS Boumerdes, ADJB Djebel Djouab, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EIBI Ibaiza, ETOS Mallorca, EMUR La Murta, etc.

17d 6h: 18.52.6:2.3, 32.98N:139.99E, h0km, mb4.0/2, mb1 4.2/3, mb1mx3.6/27, mbtmp3.9/3, ML2.8/1, Error ellipse: s-maj=100.3km s-min=25.6km az=77.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHJ2 Mitsune, JHJ2 Hachiojimikasa, etc.

MEX 17 06:36:05.2:0.6, 14.616N:94.28W, h16km, 14km, MD4.0, Off coast of Chiapas

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

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PS01 TAPS Pump Stn, BMAR Burnt Mountain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUKN Kuglukuk, BESE Bessie Mountain, etc.

17d 6h: 02:25.0:3.2, 24.48N:122.74E, h94km, 3km, Error ellipse: s-maj=3.2km s-min=2.0km az=173.5

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

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HATERUMA JIMA, NINGANCHIAO, CHIAWAN, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like XINYI TOWNSHIP, YU-SHAN, TAICHUNG, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like SAN LORENZO, HUMAHUACA, ZAPLA, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KOTYS, IZV, PDGK, MTBS, KST, etc.

IDC 17 07:10:19.6:4.7, 16.315x175.83W, h0km, mb4.3/3, mb1 4.5/3, mb1mx3.7/3b, mbtmp4.3/3, Error ellipse: s-maj=174.5km s-min=94.4km az=155.0, Tonga Islands

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

NIED 17 07:14:00.4:30.8:0.3, 43.540N:147.50E, h44km, Mw3.6, Best double couple: M2=51000x10^14 NP1=128.00000, 823.00000, lambda=87.00000, NP2=305.00000, 867.00000, lambda=91.00000

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YUK, GRPR, LAGR, NEM2, etc.

IDC 17 07:14:39.5:1.1, 32.20N:141.80E, h0km, mb3.8/6, mb1 3.9/8, mb1mx3.6/37, mbtmp3.7/8, ML3.1/2, MS2.9/5, Ms1 2.9/5, ms1mx2.7/30, Error ellipse: s-maj=33.2km s-min=18.4km az=69.0

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JAG, JFK, CBIJ, etc.

ISCJB 17 07:25:42.5:0.6, 61.10S:0.10x:23.2W:0.3, h10km, mb4.0/8, MS3.5/9, Error ellipse: s-maj=20.6km s-min=10.1km az=147.2

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VNA1, VNA3, SNA, etc.

ISCJB 17 07:27:58.0:0.6, 29.60S:0.05:179.1W:0.1, h300km, mb3.8/8, Error ellipse: s-maj=14.5km s-min=6.2km az=11.8

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

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BFZ, MRZ, HOWZ, etc.

MOS 17 07:42:26.6:1.0, 53.21N:99.122E, h11km, mb4.4/3, Error ellipse: s-maj=22.5km s-min=16.5km az=73.9

KRAR 17 07:42:28.4:0.5, 53.24N:91.40E, M2.5, 2C, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

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

IDC 17 08:00:43.8:3.2, 52.39N:35.29E, h0km, mb1 3.6/2, mb1mx3.2/29, mbtmp3.6/2, ML2.8/3, Error ellipse: s-maj=36.6km s-min=12.1km az=116.0

VLA 17 08:00:44.0, 52.30N:35.43E, M2.2, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Baltic States-Belarus-Northwestern Russia

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

DDA 17 08:04:03.8, 39.15N:27.22E, h7km, 1km, ML2.6, ISK 17 08:04:03.9, 39.13N:27.22E, h9km, ML2.2/7

ISCJB 17 08:04:04.0:0.5, 39.14N:0.03:27.20E:0.04, h12km, Error ellipse: s-maj=4.6km s-min=4.2km az=137.2

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

IDC 17 08:16:11.9:3.5, 15.87S:172.57W, h0km, mb3.9/4, mb1 4.2/4, mb1mx3.7/41, mbtmp3.9/4, MS3.1/2, Ms1 3.1/2,

ms1mx2.7/27, Error ellipse: s-maj=183.2km s-min=28.1km az=145.0, Samoa Islands region

NIED 17 08:28:00.3670N,141.90E,h29km,Mw3.6 Best double couple: M2.720000,1014 NP1.200.00000, 643.00000, lambda=79.00000, NP2.06.00000, 648.00000, lambda=100.00000, JMA 17 08:28:20.7, 0.2, 36.577N,141.86E,h24km,Ms3.5

Near east coast of eastern Honshu

ISCJB 17 08:32:08.9, 1.0, 17.5S:0.3:178.8W:0.2, h539km, mb3.8/11, Error ellipse: s-maj=39.9km s-min=13.7km az=147.6

ISC 17 08:32:11.6, 4.6, 17.62S:178.76W,h566km,55km, mb3.4/11, mb1 3.7/12, mb1mx3.4/27, mbtmp4.4/12, Error ellipse: s-maj=37.0km s-min=20.7km az=152.0

ISC 17 08:32:09.2, 1.2, 17.6S:0.3:178.7W:0.2, h539km, n16, c=077/16, mb3.8/11, Fiji Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

MEX 17 08:32:24.6, 0.5, 16.38N,99.61W,h16km,5km,MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

JMA 17 08:44:10.7, 35.26N,135.38E,h14km,M2.6, Western Honshu

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISC 17 09:13:11.0, 4.9, 55.02S:129.79W,h0km,mb4.0/5, mb1 4.3/5, mb1mx4.0/20, mbtmp4.0/5, MS3.9/11, Ms1 3.9/11, ms1mx3.9/13, Error ellipse: s-maj=42.8km s-min=26.5km az=174.0

GCMT 17 09:13:13.0, 0.2, 55.23S:0.1:129.46W:0.02, h23km,1km, MW5.092, Moment Tensor Solution. s41,c49; s92,c131; Duration: 0 Moment tensor: Scale 10^16Nm; Mn=0.62z, 14; Mw=2.69z, 15; Mxx=2.08z, 11; Myy=0.09z, 19; Mzz=2.73z, 09; Mxy=0.45z, 17; Best double couple: M3.658000/1016, NP1.200.00000, 687.00000, lambda=172.00000, NP2: s=110.00000, 882.00000, lambda=3.00000 Principal axes: T 3.9460, Plg3.0000, Azm335.0000, N=0.5820, Plg82.0000, Azm222.0000, P=3.3710, Plg8.0000, Azm66.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s, Surface-wave

location Triangular moment-rate function ISC 17 09:13:12.4, 0.9, 54.6S:0.2:130.0W:0.2, h10km,n33, c=252/9, mb4.0/5, MS4.1/14, Pacific-Antarctic Ridge

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

NSSC 17 09:39:58.9, 0.8, 32.68N,135.86E,h3km,33km,ML1.7, G109:04:40.6, 7.0, 34.70N,136.91E,h4km,57km,MD2.5

JSO 17 09:39:56.0, 0.5, 33.35S:136.3E: h0km, ML1.9/3, Mjma2.0/3, ML2.3/1, MLV1.7/3, Dead Sea region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISCJB 17 09:47:30.9, 0.9, 14.4N:0.2:145.5E:0.3, h109km, mb3.4/5, Error ellipse: s-maj=46.7km s-min=24.4km az=32.6

ISC 17 09:47:32.5, 1.0, 14.31N:145.26E, h115km, mb3.2/5, mb1 3.6/5, mb1mx3.1/46, mbtmp3.6/5, Error ellipse: s-maj=55.7km s-min=29.8km az=112.0

ISC 17 09:47:32.0, 1.0, 14.3N:0.2:145.6E:0.3, h109km, n12, c=1503/7, mb3.5/5, Mariana Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISC 17 09:59:32.6, 3.4, 53.75N,88.29E,h0km,mb1 2.8/3, mb1mx2.9/46, mbtmp2.8/3, ML2.4/3, Error ellipse: s-maj=30.2km s-min=20.1km az=84.0, Southwestern Siberia

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISK 17 09:59:46.1, 36.84N,37.47E,h2km,ML2.4/3, DDA 17 09:59:50.7, 37.13N:37.44E,h7km,5km,ML2.7, ISCJB 17 09:59:51.1, 0.8, 37.04N:0.04:37.45E:0.04, h9km,5km, Error ellipse: s-maj=7.4km s-min=4.6km az=12.3

ISC 17 09:50:11.2, 37.04N:0.05:37.47E:0.03, h13km,gkm, n12, c=092/23, Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISC 17 10:39:00.2, 5.1, 18.72N,143.22E,h0km,mb3.8/5, mb1 4.0/5, mb1mx3.6/43, mbtmp3.8/5, Error ellipse: s-maj=134.7km s-min=51.0km az=15.0, Mariana Islands region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISC 17 10:45:36.6, 1.2, 0.45S:127.00E,h0km,mb3.8/4, mb1 4.0/4, mb1mx3.6/32, mbtmp3.9/4, Error ellipse: s-maj=80.4km s-min=21.7km az=74.0

ISCJB 17 10:45:52.4, 0.8, 0.56S:0.06:127.2E:0.1, h100km, mb3.9/3, Error ellipse: s-maj=21.3km s-min=7.0km az=13.0

DJA 17 10:45:42.0, 0.7, 1.5S:3.12:127.2E, h98km,19km, M4.0/6, mb3.8/2, MLV4.1/6

ISC 17 10:45:50.2, 0.9, 0.51S:0.06:127.1E:0.1, h100km, n8, c=3907/11, mb4.2/3, Halmahera

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

ISK 17 11:00:55.5, 39.64N,28.90E,h5km,ML2.5/15, DDA 17 11:00:56.4, 39.62N:28.86E,h7km,2km,ML2.9, ISC 17 11:00:57.0, 1.0, 39.63N:0.02:28.87E:0.02, h14km,gkm, n25, c=077/34, Turkey

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time, Res, ISC

Table with columns: SRCK, Saricakaya, Es, 1.41, 73, PN, Pp, 11 01 22.8 -0.4, etc. Includes station names like Matias Romero, Oaxaca, Laguna Verde, etc.

Table with columns: DAWY, Jack Peak, 2.73, 262, ePn, Pn, 11 24 20.1 +2.0, etc. Includes station names like Sand Creek, Sand Creek, Sand Creek, etc.

Table with columns: JKG, Ise, 1.04, 188, iP, Pn, 11 32 34.3 +0.0, etc. Includes station names like Matusushiro, Matusushiro, Matusushiro, etc.

17d 12h

Table with columns: ZALV, KOLS, KALN, etc. and rows listing various stations and their parameters like frequency, power, and location.

ISCJB 17 11:56:04.2,0.3,45.53N,011.1558E,0.02,h2km,2km, Error ellipse: s-maj=2.2km s-min=1.1km az=44.9

LJU 17 11:56:05.1,45.55N,15.53E,h17km,ML2.6 SAR 17 11:56:05.6,0.2,45.52N,15.58E,h3km,2km,ML2.8/1 PRU 17 11:56:10.9,0.0,45.99N,15.74E,h3km

ISC 17 11:56:05.0,0.8,45.53N,011.1558E,0.02,h12km,6km,n69,0.093/119,1C-3D,Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h m s, ISC. Lists stations like OZLI, BOJS, CRES, etc.

2013 JUL

Table with columns: GROS, UDBI, KODI, etc. and rows listing stations like Grobnik, Udbina, Kog, etc.

ISCJB 17 12:33:45.1,0.3,21.01N,0103.947W,0.04,h10km,mb3.3/4, Error ellipse: s-maj=5.8km s-min=3.6km az=7.7

ISC 17 12:33:47.6,1.5,20.98N,94.67W,h0km,mb3.5/4, mb1 4.0/7, mb1mx3.7/35, mbmt3.6/7, ML3.9/3, MS2.0/1, Ms1 2.0/1, ms1mx1.9/27, Error ellipse: s-maj=64.4km s-min=22.4km az=69.0

NEIC 17 12:33:47.2,5.2,21.04N,94.71W,h15km,6km,mb4.2, MD4.0(MEX), Error ellipse: s-maj=8.8km s-min=6.8km, az=153.0

MEX 17 12:33:52.0,2.0,20.91N,94.74W,h15km,MD4.0 ANF 17 12:34:05.1,2.5,22.34N,94.77W,h15km, Error ellipse: s-maj=26.2km s-min=16.5km az=173.0

ISC 17 12:33:47.1,0.7,20.99N,0105.9476W,0.05,h10km,n52,0194/63,mb3.3/4,Az of Campeche

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

904

Table with columns: 833A, 435B, JCT, etc. and rows listing stations like Jarrell, Vicksburg, etc.

ISCJB 17 12:34:55.8,0.7,18.80N,108.145E,0.03,h200km,mb3.5/6, Error ellipse: s-maj=33.5km s-min=11.3km az=2.8

IDC 17 12:34:58.3,2.6,18.82N,145.78E,h211km,27km,mb3.4/6, mb1 3.6/9, mb1mx3.2/43, mbmt4.0/9, Error ellipse: s-maj=41.2km s-min=13.8km az=98.0

ISC 17 12:34:56.8,0.8,18.72N,109.1457E,0.03,h200km,n15,0185/10,mb3.5/6,Mariana Islands

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

IDC 17 12:42:03.5,7.1,3.76N,127.38E,h109km,83km,mb3.6/3, mb1 3.7/4, mb1mx3.2/30, mbmt3.9/4, ML3.7/1, MS2.3/1, Ms1 2.3/1, ms1mx2.2/1, Error ellipse: s-maj=152.3km s-min=25.0km az=68.0, Talau Islands

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

ISCJB 17 12:52:21.0,0.3,43.53N,0102.1371E,0.02,h10km,2.9km, Error ellipse: s-maj=3.1km s-min=2.7km az=155.5

ROM 17 12:52:21.0,0.3,43.51N,0101.1368E,0.03,h8km,1km, ML2.8/35, Error ellipse: s-maj=2.5km s-min=0.7km az=5.0

ISC 17 12:52:21.4,0.8,43.50N,0102.1370E,0.02,h9km,6km,n85,0.090/87,Central Italy

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

17d 13h

Table with columns for station name, time, and coordinates. Includes stations like Novajla, Santa Sofia, Asqua, ZIRJE, San Casciano d, etc.

2013 JUL

Table with columns for station name, time, and coordinates. Includes stations like OBKA, MYKA, MYKA, MAGA, ABTA, etc.

906

Table with columns for station name, time, and coordinates. Includes stations like MKAR, ASAR, WMQ, WRA, HHC, NJ2, CD2, NEIC, etc.

Table with columns: SKMP, BUKP, WRA, ASAR, MKAR. Includes station names like Musuan, Warramunga Arr, Alice Springs, Makanchi Array and their coordinates and parameters.

ISCJB 17 13:10:08.01.9.43.0N.01.76.9E.0.2, h14km, 10km, Error ellipse: s-maj=25.4km s-min=8.7km az=38.3

Main table for 907 section, listing stations like MDOK Medeo, KOTS Kotyrbulak, KTBS Karatobe, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISCJB 17 13:10:49.0.0.6.42.06N.0.03.75.42E.0.03, h8km, 4km, Error ellipse: s-maj=5.2km s-min=3.3km az=9.7

Main table for 907 section, listing stations like KZA Kyzart, BOOM Boomskey usch, ULHL Ulahol, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

NIED 17 13:34:00.35.50N.139.00E, h26km, Mw3.7. Best double couple: M=4.33000e+10, N=1.7e+29, 0.0000, 0.6, 0.0000, 1, -1.65, 0.0000, NP2=224.00000, 0.889, 0.0000, 1, -85, 0.0000

az=173.3 JMA 17 13:34:19.0.0.1.35.54N.138.97E, h24km, 1km, M3.8 Broadband fault plane solution: P waves. NP1: 0.26, 0.0000, 0.888, 0.0000, 0.888, 0.0000, NP2=0.251, 0.0000, 0.83, 0.0000, 0.135, 0.0000. Principal axes: T P1g47.0000, Azm294.0000, N P1g2.0000, Azm26.0000; P P1g43.0000, Azm118.0000;

JMA Felt III J1, IDC 17 13:34:20.4.0.8.35.55N.138.84E, h58km, 9km, mb3.3/4, mbl 3.6/7, mb1mx3.3/34, mbtmp3.7/7, MS2.7/5, M1 2.7/5, ms1mx2.5/18 Error ellipse: s-maj=19.7km s-min=6.2km az=69.0

ISC 17 13:34:18.1.0.8.35.55N.138.96E.0.04, h31km, 6km, n27, f128.29, mb3.8/4, 4C-3D, Eastern Honshu

Main table for 2013 JUL section, listing stations like JSGW Sagamiharawaka, JOD2 Odawara, JYJN Shizuo, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISC 17 13:38:49.5.1.2.48.77N.0.05.18.12E.0.05, h12km, 12km, n6, 0.046/12, Czech and Slovak Republics

Table for 2013 JUL section, listing stations like KOLL Kolacno, JAVC Velka Javorina, VYHS Vyhne, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

PGC 17 13:39:02.0.61.55N.141.07W, h1km, ML3.1/11, 209km Wrv of Haines Jct., Y1 Southern Alaska

NEIC 17 13:39:01.3.0.0.61.54N.141.08W, h1km, ML3.0(AEIC), ML3.1(OTT), Affix AEIC.

AEIC 17 13:39:01.3.61.54N.141.08W, h1km, ML3.0, ML3.1(OTT), ANF 17 13:39:01.2.3.1.61.57N.141.01W, h10km, ML3.7/4, Error ellipse: s-maj=28.7km s-min=18.7km az=4.0

ISC 17 13:39:00.9.1.1.61.55N.0.02.141.07W.0.02, h2km, 10km, n82, e121/112, Southern Alaska

Main table for 2013 JUL section, listing stations like YUK2 White River, YUK3 Moose Creek, YUK1 Sand Pete Hill, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

Table for 17d 13h section, listing stations like SGAM Sherman Glacie, EYAK Cordova Ski Ar, PAX Paxson, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISCJB 17 13:50:45.5.40.54N.41.90E, h5km, ML2.7/8, TIF 17 13:50:45.1.40.47N.41.74E, h25km, 1km

DDA 17 13:50:45.8.40.51N.41.93E, h11km, 1km, ML3.1, ISC 17 13:50:46.2.1.1.40.54N.0.02.41.95E.0.03, h5km, 11km, n25, 0.054/43, Turkey

Main table for 17d 13h section, listing stations like SENK Senkaya-Erzuru, HOMI Horasan, DBAD Bademkaya, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

ISC 17 13:56:00.35.70N.140.30E, h71km, Mw4.3 Best double couple: M=3.68000e+10, N=1.7e+29, 0.0000, 0.831, 0.0000, 1, 0.68, 0.0000, NP2=360.00000, 0.62, 0.0000, 1, 1.02, 0.0000

BUI 17 13:56:18.5.0.0.35.51N.140.74E, h6km, mb4.6/39, mb4.8/22, Ms3.7/6, Ms7.3/72

MOS 17 13:56:23.5.1.1.35.59N.140.13E, h69km, mb4.7/19, Error ellipse: s-maj=10.3km s-min=5.9km az=11.0

IDC 17 13:56:24.7.1.3.35.61N.140.19E, h65km, 12km, mb3.9/21, mb1.4/125, ms1mx4.0/37, mbtmp4.2/25, MS3.0/13, MS1.3/0.13, ms1mx2.8/40, Error ellipse: s-maj=14.7km s-min=8.7km az=81.0

ISCJB 17 13:56:24.0.0.2.35.63N.0.03.140.17E.0.03, h72km, 2km, mb4.3/59, Error ellipse: s-maj=4.6km s-min=4.3km az=3.1

NEIC 17 13:56:24.4.2.5.35.67N.140.27E, h63km, 5km, mb4.5/2, Error ellipse: s-maj=11.1km s-min=9.5km az=86.0

NEIC Felt at Unohara and Zushi. Recorded (1 JMA) in Chiba, Ibaraki, Kanagawa, Saitama and Tokyo.

JMA 17 13:56:24.1.0.2.35.73N.140.20E, h67km, 2km, M3.8 Broadband fault plane solution: P waves. NP1: 0.22, 0.0000, 0.87, 0.0000, 0.87, 0.0000, NP2=251.00000, 0.85, 0.0000, 1.139, 0.0000. Principal axes: T P1g48.0000, Azm288.0000, N P1g3.0000, Azm22.0000; P P1g42.0000, Azm118.0000;

JMA Felt I.1, ISC 17 13:56:25.1.0.6.35.70N.0.04.140.20E.0.04, h66km, 5km, n25, 0.054/43, Turkey

Main table for 17d 13h section, listing stations like AGRB Hanur-Agry, BAYT Aydinbey-Bayb, AKH Akhalkalaki, etc. with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC.

n163.01s21/176.mb4.4/59.3C-12D,Near east coast of eastern Honshu

Code	Station Name	A ¹	AZ ²	Phase ID	Time	Res	ISC	h	m	s	ISC
JSMT	Sammumatsuo	0.21	107	Op	13 56 34.8	-0.4					
JSMT	Nagara	0.28	180	eS	13 56 42.7	+0.1					
JCN	Tokyo	0.36	267	p	13 56 44.8	+1.4					
JCN	Tokyo	0.36	267	p	13 56 36.5	+0.3					
TOK	Tokyo	0.36	267	p	13 56 44.8	+0.5					
TOK	Tokyo	0.36	267	p	13 56 35.9	-0.4					
JIHU	Hakohorinouch	0.37	45	s	13 56 41.5	-0.8					
BS03	Itaso	0.93	164	p	13 56 42.1	-0.5					
JAG	Ashikaga	0.94	320	p	13 56 55.1	-0.5					
JOD2	Oyagawa 2	1.01	245	p	13 56 42.7	-0.8					
JOD2	Oyagawa 2	1.01	245	p	13 56 55.8	-1.4					
JRY	Riyogami san	1.10	287	p	13 56 44.8	+0.1					
JIM2	Oshima 3	1.17	213	p	13 56 43.9	-1.7					
BS01	Bosho 1	1.23	149	p	13 56 44.4	-1.3					
JKT	Katashina	1.31	324	p	13 56 47.0	-0.5					
JFN	Fujinakano	1.34	248	p	13 56 47.3	0.0					
JFN	Fujinakano	1.34	248	p	13 56 47.2	-0.6					
JYN	Shimob	1.37	262	p	13 57 04.3	-0.5					
JYZ	Izushimoda	1.47	228	p	13 56 48.4	-1.0					
JIZS	Izushimoda	1.47	228	p	13 57 06.4	-1.4					
MJAR	Matsushiro Arr	1.82	298	p	13 56 54.1	-0.1					
MJAR	Matsushiro Arr	1.82	298	p	13 57 36.7						
MAJO	Matsushiro	1.82	298	ePn	13 56 54.6	+0.4					
MAJO	Matsushiro	1.82	298	ePn	13 56 54.6	+0.4					
MAT	Matsushiro	1.82	298	ePn	13 57 15.3	-1.0					
MAT	Matsushiro	1.82	298	ePn	13 56 54.6	+0.3					
MJB9	Matsu-Tunnel	1.82	298	ePn	13 57 03.9	-1.0					
MJB9	Matsu-Tunnel	1.82	298	ePn	13 57 03.9	-1.0					
HJH	Hachiojima 2	2.60	189	p	13 57 32.7	-2.6					
HJH	Hachiojima 2	2.60	189	p	13 57 32.7	-2.6					
HJH	Hachiojima 2	2.60	189	p	13 57 41.3						
HJH	Hachiojima 2	2.60	189	p	13 57 03.8	-1.1					
HJH2	Mitsune	2.60	187	ePn	13 57 04.9	-0.1					
HJH2	Mitsune	2.60	187	ePn	13 57 58.8	-2.3					
ERU	Erumo	6.71	19	ePn	13 58 05.6	+4.7					
ERU	Erumo	6.71	19	ePn	13 58 20.6	+0.2					
ERU	Erumo	6.71	19	ePn	13 58 20.8	+0.4					
ERU	Erumo	6.71	19	ePn	13 58 23.1	-3.6					
ASAJ	Asahikawa	8.60	12	p	13 59 56.9	-5.2					
ASAJ	Asahikawa	8.60	12	p	14 02 20.5						
ASAJ	Asahikawa	8.60	12	p	13 58 43.5	+6.5					
ASAJ	Asahikawa	8.60	12	p	13 58 48.5	+2.2					
KSR5	Kuroyama	9.39	26	ePn	14 02 32.0						
KSR5	Kuroyama	9.39	26	ePn	13 58 48.5	+6.5					
KSR5	Kuroyama	9.39	26	ePn	13 58 48.5	+2.2					
KSR5	Kuroyama	9.39	26	ePn	14 02 32.0						
KS15	Wanji Array Si	10.06	284	ePn	13 58 48.5	+6.5					
KS15	Wanji Array Si	10.06	284	ePn	13 58 48.5	+2.2					
KS15	Wanji Array Si	10.06	284	ePn	13 58 48.5	+6.5					
KS15	Wanji Array Si	10.06	284	ePn	13 58 48.5	+2.2					
USA0B	Ussuriysk Arra	10.57	326	ePn	13 59 05.9	+0.9					
USA0B	Ussuriysk Arra	10.57	326	ePn	13 59 06.8	+1.9					
USA0B	Ussuriysk Arra	10.57	326	ePn	13 59 15.8	+2.1					
USA0B	Ussuriysk Arra	10.57	326	ePn	13 59 56.9	-5.2					
YSS	Yuzh-Sakhalins	11.40	9	ePn	13 59 40.8	+1.7					
YSS	Yuzh-Sakhalins	11.40	9	ePn	13 59 49.1	-2.3					
YSS	Yuzh-Sakhalins	11.40	9	ePn	14 05 19.6						
YSS	Yuzh-Sakhalins	11.40	9	ePn	13 59 56.0	+0.3					
MDJ	Mudanjiang	12.04	321	p	13 59 59.3	+0.8					
MDJ	Mudanjiang	12.04	321	p	14 02 52.6	-2.2					
MDJ	Mudanjiang	12.04	321	p	13 59 59.3	+0.8					
MDJ	Mudanjiang	12.04	321	p	14 02 52.6	-2.2					
DL2	Dalian	15.12	288	p	13 59 59.3	+0.8					
DL2	Dalian	15.12	288	p	14 02 52.6	-2.2					
DL2	Dalian	15.12	288	p	13 59 59.3	+0.8					
DL2	Dalian	15.12	288	p	14 02 52.6	-2.2					
TYV	Tymovskoe	15.26	6	ePn	13 59 56.3	-0.1					
TYV	Tymovskoe	15.26	6	ePn	14 00 30.9	-0.5					
TYV	Tymovskoe	15.26	6	ePn	14 00 30.9	-0.5					
TYV	Tymovskoe	15.26	6	ePn	13 59 56.3	-0.1					
NJ2	Nanjing	18.09	265	ePn	14 00 42.8	+1.7					
NJ2	Nanjing	18.09	265	ePn	14 00 46.3	+0.2					
NJ2	Nanjing	18.09	265	ePn	14 00 46.3	+0.2					
NJ2	Nanjing	18.09	265	ePn	14 00 46.3	+0.2					
SKR	Severo-Kuril's	18.88	33	ePn	14 00 48.7	-1.1					
SKR	Severo-Kuril's	18.88	33	ePn	14 00 54.2	+0.1					
SKR	Severo-Kuril's	18.88	33	ePn	14 00 54.2	+0.1					
SKR	Severo-Kuril's	18.88	33	ePn	14 00 54.2	+0.1					
BJT	Baijiatuu	19.44	290	ePn	14 01 05.1	-1.2					
BJT	Baijiatuu	19.44	290	ePn	14 01 05.1	-1.2					
BJT	Baijiatuu	19.44	290	ePn	14 01 05.1	-1.2					
BJT	Baijiatuu	19.44	290	ePn	14 01 05.1	-1.2					
NACB	Ninganchiao	19.76	240	ePn	14 01 05.1	-1.2					
NACB	Ninganchiao	19.76	240	ePn	14 01 05.1	-1.2					
NACB	Ninganchiao	19.76	240	ePn	14 01 05.1	-1.2					
NACB	Ninganchiao	19.76	240	ePn	14 01 05.1	-1.2					
ZEZ	Zeyu	20.19	337	ePn	14 01 05.1	-1.2					
ZEZ	Zeyu	20.19	337	ePn	14 01 05.1	-1.2					
ZEZ	Zeyu	20.19	337	ePn	14 01 05.1	-1.2					
ZEZ	Zeyu	20.19	337	ePn	14 01 05.1	-1.2					
PETK	Petrovsk	21.32	30	p	14 01 05.1	-1.2					
PETK	Petrovsk	21.32	30	p	14 01 05.1	-1.2					
PETK	Petrovsk	21.32	30	p	14 01 05.1	-1.2					
PETK	Petrovsk	21.32	30	p	14 01 05.1	-1.2					
PEU1	Guam	22.42	168	LR	14 01 05.1	-1.2					
PEU1	Guam	22.42	168	LR	14 01 05.1	-1.2					
PEU1	Guam	22.42	168	LR	14 01 05.1	-1.2					
PEU1	Guam	22.42	168	LR	14 01 05.1	-1.2					
HHC	Hu-ho-hao-te	23.01	292	ePn	14 01 24.3	-0.2					
HHC	Hu-ho-hao-te	23.01	292	ePn	14 01 24.3	-0.2					
HHC	Hu-ho-hao-te	23.01	292	ePn	14 01 24.3	-0.2					
HHC	Hu-ho-hao-te	23.01	292	ePn	14 01 24.3	-0.2					
MA2	Magadan	24.86	13	LR	14 01 41.6	+0.4					
MA2	Magadan	24.86	13	LR	14 01 53.1	-1.2					
MA2	Magadan	24.86	13	LR	14 01 53.1	-1.2					
MA2	Magadan	24.86	13	LR	14 01 53.1	-1.2					
ENH	Enshi	26.27	267	ePn	14 02 03.9	+1.9					
ENH	Enshi	26.27	267	ePn	14 02 03.9	+1.9					
ENH	Enshi	26.27	267	ePn	14 02 03.9	+1.9					
ENH	Enshi	26.27	267	ePn	14 02 03.9	+1.9					
YAK	Yakutsk	27.17	349	iP	14 02 06.8	-0.8					
YAK	Yakutsk	27.17	349	iP	14 02 06.8	-0.8					
YAK	Yakutsk	27.17	349	iP	14 02 06.8	-0.8					
YAK	Yakutsk	27.17	349	iP	14 02 06.8	-0.8					
SONA0	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					
SONA0	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					
SONA0	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					
SONA0	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					
SONM	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					
SONM	Songino Array	27.75	306	ePn	14 02 11.3	+3.4					

Table with columns: Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like CESI, NRCA, ATCC, etc.

ICD 17 14:32:12.0, 0.9, 51.50N; 174.15W, h0km, mb3.9/14, mb1 4.0/17, mb1mx3.6/62, mb2mp3.9/17, ML3.73, MS3.4/1, Ms1 3.3/1, ms1mx2.4/73.6, Error ellipse: s-maj=27.5km s-min=15.0km az=171.6

ISCJTB 17 14:32:17.9, 0.6, 51.44N; 0.08:174.57W; 0.05, h38km, mb4.1/22, MS3.4/1, Error ellipse: s-maj=11.4km s-min=3.9km az=171.6

AEIC 17 14:32:18.9, 0.0, 51.55N; 174.68W, h18km, NEIC 17 14:32:20.2, 1.8, 51.56N; 174.66W, h44km; 7km, mb4.3/9, ML3.9(AEIC), Error ellipse: s-maj=10.7km s-min=6.4km az=164.0

ISC 17 14:32:19.7, 0.8, 51.56N; 0.1:174.65W; 0.04, h38km, n67, s1565/62, mb4.2/21, Andreev Islands

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like KORF, KOKP, KOSF, etc.

Table with columns: Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like WMQ, MK32, MKAR, etc.

IDC 17 14:36:14.2, 1.2, 0.51:57N; 176.17W, h0km, mb3.6/5, mb1 3.9/6, mb1mx3.6/54, mb2mp3.7/6, ML4.2/1, Error ellipse: s-maj=60.7km s-min=21.6km az=4.0

ISCJTB 17 14:36:19.6, 0.8, 51.40N; 0.09:176.08W; 0.05, h47km, mb4.0/5, Error ellipse: s-maj=12.9km s-min=4.3km az=3.5

AEIC 17 14:36:20.0, 0.51:41N; 176.11W, h26km, NEIC 17 14:36:21.4, 1.9, 51.50N; 176.17W, h48km; 9km, mb4.3/4, ML4.1(AEIC), Error ellipse: s-maj=14.4km s-min=2.9km az=169.0

ISC 17 14:36:21.4, 0.9, 51.5N; 0.1:176.15W; 0.04, h47km, n42, s1543/39, mb4.0/5, Andreev Islands

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like ETKA, ADK, GSTR, etc.

IDC 17 14:44:38.7, 1.8, 14.58S; 176.43W, h0km, mb3.8/5, mb1 4.1/5, mb1mx3.8/33, mb2mp3.8/5, Error ellipse: s-maj=107.7km s-min=25.5km az=145.0, Fiji Islands

Table with columns: Code, Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like STKA, WRA, ASAR, etc.

Table with columns: Station Name, Azimuth (AZ), Elevation (E), Azimuth Error (Δ), Elevation Error (Δ), and other parameters. Includes stations like ALMR, PNCL, PTOM, etc.

17Z 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ILAR Eielson Array, TORD Torodi Ar. Bea, etc.

NIED 17 18:38:00.3830N,142.00E,h2km,Mw3.7. Best double couple: M0.4,090000,1014 NP1,az256.00000,az2.00000,lambda-15.00000, N2P,az360.00000,az84.00000,lambda-111.00000.

IDC 17 18:38:02.9,0.7,38.28N,142.36E,h0km,mb3.6/1.0, mb1 3.8/1.5, mb1mx3.6/3.8, mb1mx3.6/1.5, ML3.1/4, MS2.7/4, Ms1 2.7/4, ms1mx2.4/3.9, Error ellipse: s-maj=20.5km s-min=15.3km az=130.

ISCJB 17 18:38:07.0,9.3,32.32N,142.13E,0.08,h49km,7km, mb3.5/1.0, MS3.4/1, Error ellipse: s-maj=11.0km s-min=5.4km az=19.0.

JMA 17 18:38:09.8,38.35N,142.01E,h49km,1km,M3.6 JMA Felt J1.

ISC 17 18:38:07.6,1.7,38.28N,142.04E,142.18E,0.07,h32km,11km, n38,az159/46,mb3.7/1.0,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JJKM Kesenumamotoy, etc.

2013 JUL

LPAZ La Paz 145.54 59 PKPbc PKPdf 18 57 42.8 -0.9

ISCJB 17 18:42:09.6,0.4,38.57N,103.31E,0.03,h6km,6km, Error ellipse: s-maj=5.3km s-min=3.9km az=16.4

DDA 17 18:42:09.3,38.56N,103.43E,h7km,9km,ML2.7 ISK 17 18:42:09.1,38.56N,103.43E,h6km,ML2.4/1 ISK 17 18:42:09.7,1.1,38.57N,103.31E,0.03,h10km,12km, n21,az561/26, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BOLV Bolvadin, KIZT Kizilcal, DOGA KONYA_Doganhis, etc.

LJU 17 18:47:11.0,45.86N-15.61E,h4km,ML0.1,1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GCIS Gorњи Cirmik, CRES Cresnje, GOLS Golise.

ZUR 17 18:48:31.1,47.42N-9.32E,h4km,1km,MLH0.7/3,2C-1D, Germany

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SGT0 Sennhisen, SGT01 Gaiserwald, SGT04 Schlatt-Haselen, SGT05 Degersheim.

IDC 17 18:49:21.7,2.1,6.46S,125.34E,h0km,mb3.3/1, mb1 3.5/3, mb1mx3.3/2, mb1mx3.3/3, ML3.6/2, Error ellipse: s-maj=453.8km s-min=31.6km az=61.0, Banda Sea

WRA Warramunga Arr 16.00 148 Op Pn 18 53 10.6 -1.4

ASAR Alice Springs 18.99 155 P P 18 53 44.1 -0.9

MKAR Makanchi Array 65.31 329 P P 19 00 05.6 0.0

IDC 17 18:53:46.4,2.3,8.12S,127.02E,h0km,mb3.1/1, mb1 3.6/3, mb1mx3.4/2, mb1mx3.4/3, ML3.4/2, MS3.3/1, Ms1 3.5/1, ms1mx2.8/5, Error ellipse: s-maj=279.2km s-min=34.7km az=82.0, Timor region

WRA Warramunga Arr 13.73 150 Op Pn 18 57 01.0 -1.6

ASAR Alice Springs 16.81 158 P P 18 57 45.0 -0.8

CMAR Chiang Mai Arr 38.27 314 LR LR 19 19 51.6

MKAR Makanchi Array 67.58 328 P P 19 04 44.9 0.0

ISCJB 17 19:07:17.1,0.4,59.84N,103.23E,0.04,h0km, Error ellipse: s-maj=4.0km s-min=2.8km az=161.9

HEL 17 19:07:19.1,0.1,59.78N,103.04E,h0km,ML1.8, Explosion EST 17 19:07:19.0,0.1,59.78N,103.03E,h0km,ML1.8(HEL), Explosion

IDC 17 19:07:20.8,1.8,59.97N,122.91E,h0km,mb1 2.8/4, mb1mx2.7/4.5, mb1mx2.7/4, ML2.1/4, Error ellipse: s-maj=23.6km s-min=5.9km az=159.0

UPP 17 19:07:21.2,1.1,59.85N,122.68E,h0km,ML2.1, Suspected explosion

ISC 17 19:07:18.0,0.8,59.83N,103.23E,0.03,h0km,n25, az118/42, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MEF Metsahovi, MTSE Matsula, RAF Rauma, etc.

914

NRTU Norrtalje 2.22 268 P Pn 19 07 56.8 -0.7

SLIT Silitere, Latvi 2.24 190 ePb Sn 19 08 25.0 +0.9

GRAU Graesoe 2.30 285 eSg Pn 19 08 27.7 +0.6

YSU Yasula 2.36 124 eSg S 19 08 28.8 +0.7

VJF Virajoki 2.38 271 eSg Sb 19 08 30.1 +0.1

VJF comp=Z,6.4nm,0.2s eSg Sg 19 08 33.2 -1.1

KEF Keuruu 2.51 20 ePb Pn 19 08 34.3 +0.4

KEF comp=Z,4.1nm,0.1s eSg Sg 19 08 37.8 -0.9

FLU Plymyra 2.59 279 P Pn 19 08 03.1 +1.9

NYNU Nynesehamn 2.69 254 P Pn 19 08 03.8 +1.4

BACU Backbrunna 2.98 273 P Pn 19 08 08.1 +1.6

YU Ylistaro 3.23 357 ePb Pn 19 08 15.1 -1.0

VAF Suflainen 3.27 26 ePb Pn 19 08 15.3 -1.5

SUF Arneoviken 3.34 306 eSb Pn 19 08 57.0 -0.1

UMAU Umeaa 4.21 346 eP Pn 19 08 25.7 +2.3

HFS Hagfors 4.69 278 Pn 19 08 31.3 +1.4

comp=Z,0.1nm,0.3s,baz=94,slow=11,SNR=8.6 Pn 19 08 40.9 -0.1

HFS comp=Z,0.2nm,0.3s,baz=90,slow=17,SNR=6.7 Sn 19 09 24.8 -0.2

comp=Z,0.3nm,0.3s,baz=93,slow=29,SNR=7.0 Pn 19 09 41.6

HFS comp=Z,0.5nm,0.3s,baz=90,slow=29,SNR=5.7 Lg 19 09 41.6

NOA NORSAR Array B 5.97 287 Pn 19 08 47.1 -0.4

comp=Z,0.0nm,0.3s,baz=94,slow=14,SNR=1.5 Sn 19 09 53.2 -3.3

NOA comp=Z,0.0nm,0.3s,baz=104,slow=7.1,SNR=1.4 Lg 19 10 25.3

comp=Z,0.0nm,0.3s,baz=306,slow=24,SNR=3.1 Pn 19 09 39.6 -0.4

ARCES ARCES Array B 9.80 5 Pn 19 09 39.6 -0.4

SNET 17 19:28:16.6,1.3,13.98N,91.09W,h26km,93km,ML4.2

ISCJB 17 19:28:19.0,0.3,14.08N,0.03E,90.80W,0.02,h112km,2km, mb2.0/2.64, Error ellipse: s-maj=5.6km s-min=3.2km az=28.0

MEX 17 19:28:18.0,0.6,13.80N,90.83W,h26km,34km,MD4.2

NEIC 17 19:28:20.6,1.7,14.18N,90.80W,h99km,11km,mb4.4/7.5, Error ellipse: s-maj=18.9km s-min=1.1km az=214.0

IDC 17 19:28:21.9,0.7,14.43N,90.37W,h117km,3km,mb3.6/1.4, mb1 3.8/1.6, mb1mx3.7/3.5, mb1mx2.4/1.6, MS3.1/6, Ms1 3.0/6, ms1mx2.2/3.0, Error ellipse: s-maj=25.5km s-min=9.3km az=53.0

GCG 17 19:28:21.2,0.5,14.16N,90.93W,h75km,5km,MD4.2

ISC 17 19:28:19.0,0.6,14.04N,0.05E,90.90W,0.04,h101km,5km, h101km,p-P,n366,az150/395,mb4.3/64, Guatemala

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FUG Fuego 3, RCG Pacaya, NGB Las Nubes, etc.

Table with columns: ID, Name, baz, 2013, 19d, 19h, P, Pn, Pp, etc. Includes entries like 252A Lumpkin, 148A Greensboro, etc.

Table with columns: ID, Name, baz, 2013, 19d, 19h, P, Pn, Pp, etc. Includes entries like W54A Cherokee Point, TKL Tuckaleechee C, etc.

Table with columns: ID, Name, baz, 2013, 19d, 19h, P, Pn, Pp, etc. Includes entries like P54A Burton, N47A Urbana, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like Guiyang, Kuning, Enshi, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like KSH, MK31, MAK2, etc.

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

ANF 17 20:10:31.0, 4.0, 5.35, 63N, 90.62W, h3km, 4km, ML3.9/36, Error ellipse: s-maj=1.5km s-min=1.2km az=2.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and other technical details. Includes stations like HBAR, GOSNELL, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Clayton, Magazine, W39A, MNTX, WMOK, etc.

MEX 17 21:59:33.4, 0.4, 16'40N, 96'38W, h13km, 4km, MD3.7, Near coast of Guerrero

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

DC 17 22:00:04.2, 0.9, 37.00N, 27.97E, h0km, mb3.8/6, mb1.3, 9/12, mb1mx3.6/45, mbtmp3.8/12, ML3.9/6, MS2.9/3, Ms1.2, 9/3, ms1mx2.3/36, Error ellipse: s-maj=16.3km s-min=15.3km az=137.0

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

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

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

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

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SNT2, THR3, THR6, etc.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

NEIC 17 22:07:26.0, 2.1, 5.89S, 153.04E, h36km, 3km, mb4.4/14, Error ellipse: s-maj=16.6km s-min=6.0km az=162.0

DC 17 22:07:26.1, 1.9, 5.48S, 152.69E, h0km, mb3.8/6, mb1.4, 1/7, mb1mx3.8/29, mbtmp3.9/7, ML1.8/1, Error ellipse: s-maj=68.2km s-min=21.8km az=119.0

ISCJB 17 22:07:27.4, 0.8, 5.65S, 152.8E, 0.1, h37km, mb4.1/16, Error ellipse: s-maj=15.1km s-min=7.1km az=20.4

ISC 17 22:07:29.5, 1.2, 5.59S, 152.7E, 0.2, h37km, n26, c197/28, mb4.2/16, New Britain region

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WC3, WRAB, WB2, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA, SARN, AS31, etc.

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

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

NEIC 17 22:15:40.3, 2.5, 16.49S, 177.38E, h7km, 5km, mb4.6/20, Error ellipse: s-maj=25.7km s-min=6.6km az=104.0

DC 17 22:15:41.1, 1.1, 16.25S, 177.23E, h0km, mb4.1/11, mb1.4, 4/11, mb1mx4.2/29, mbtmp4.1/11, MS3.8/18, Ms1.3, 8/18, ms1mx3.8/20, Error ellipse: s-maj=45.3km s-min=10.1km az=136.7

ISCJB 17 22:15:42.1, 0.5, 16.35S, 177.28E, 0.1, h24km, mb4.4/25, MS3.8/16, Error ellipse: s-maj=16.8km s-min=10.1km az=136.7

GCMT 17 22:15:45.3, 0.3, 16.34S, 177.39E, 0.2, h18km, 1km, MW4.9/86, Moment Tensor Solution. s22,c23: s86,c121; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.81, 12; Mw=1.63, 09; Mww2.44, 10; Mw=0.56, 23; Mw=1.09, 07; Mw=0.14, 20; Best double couple: Mw=4.2000x10^16 Np1.9e57, 0.0000, 0.78, 0.0000, -1, -19, 0.0000, NP2: 0.151, 0.0000, 0.72, 0.0000, -1, -167, 0.0000. Principal axes: 2.7940, P1g4.0000, Azm105.0000, N=0.6340, P1g65.0000, Azm205.0000, P=2.1050, P1g22.0000, Azm13.0000. nst1 refers to surface waves, cutoff=40s; nst2 refers to arrival waves, cutoff=50s. Triangular moment-tensor function

ISC 17 22:15:43.7, 0.6, 16.55S, 177.4E, 0.1, h24km, m61, c198/49, mb4.5/25, MS3.8/16, Fiji Islands

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WC3, WRAB, WB2, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA, SARN, AS31, etc.

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

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

18d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FUNA Funatuti, DZM Mont Dzumac, KNTN Kanton, etc.

IDC 17 22:34:55.6.9.8,30'38S-179.09W, h0km, mb4.1/2, mb1 4.4/2, mb1 mx3.8/17, nmtmp4.1/2, Error ellipse: s-maj=42.5.4km s-min=57.6km az=157.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, FINES FINESS Array B.

UCR 17 22:47:57.9.1.8,9'66N-84'65W, h26km,5km, MW3.6, 1D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SRA1 San Ramn, HDC Heredia, LCR2 La Lucha 2, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUEV Buena Vista, GB1A Borinquen Arri, GB1A GBA, DRKO Durika.

ISCJB 17 22:57:07.0.4.2,1'14N,0'04:98'05E,0'05, h82km,4km, mb4.1/25, Error ellipse: s-maj=8.2km s-min=5.5km az=149.2

NEIC 17 22:57:08.21.0.2,0'28N-98'09E, h74km,6km, mb4.1/12, Error ellipse: s-maj=15.4km s-min=9.2km az=128.0

IDC 17 22:57:09.7.1.2,2'25N-98'21E, h82km,10km, mb3.9/17, mb1 4.0/19, mb1 mx3.8/35, nmtmp4.2/19, MS3.2/1, Ms1 3.2/1, ms1 mx2.6/28, Error ellipse: s-maj=20.3km s-min=12.7km az=52.0

DJA 17 22:57:09.5.0.3,2'N,2'9'8E, h49km,11km, M4.2/10, M4.4/10

ISC 17 22:57:07.0.8.0.2,1'14N,0'04:98'08E,0'04, h66km,8km, n53,+1524/65, mb4.2/25, Northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GSI Gunungsitoli, GSI Gunungsitoli, PSI Prapat, etc.

IDC 18 00:13:52.6.3.3,6'00S-147'45E, h0km, mb3.4/1, mb1 3.8/3, mb1 mx3.4/29, s-maj=26.8km az=34.0, Banda Sea

New Guinea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PMG Port Moresby, WRA Warrungarra Arr, ASAR Alice Springs, etc.

IDC 18 00:26:26.2.8.1,7'61S-128'39E, h142km,87km, mb2.9/1, mb1 3.4/4, mb1 mx3.2/26, nmtmp3.7/3, ML3.0/2, Error ellipse: s-maj=80.0km s-min=26.8km az=34.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI Baumata, WRA Warrungarra Arr, etc.

TAP 18 00:28:23.3,22'97N-120'91E, h4km, ML3.5, 10C-8D, C, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TWG Pinlang, TWG Pinlang, STYT Tauyuan, etc.

ISCJB 17 23:27:50.4.0.5,24'11S,0'03:67'16W,0'04, h194km,6km, mb3.4/1, Error ellipse: s-maj=6.1km s-min=4.4km az=41.4

SJA 17 23:27:50.5.0.8,24'11S,0'03:67'16W, h194km,7km, ML2.9, MW3.5

GUC 17 23:27:53.0.0.5,24'06S,67'51W, h204km,7km, ML4.2, NEIC 17 23:27:53.0.0.0,24'06S,67'51W, h204km, ML4.2(GUC), After GUC.

IDC 17 23:27:57.6.3.4,23'57S,66'97W, h234km,26km, mb3.2/1, mb1 3.5/4, mb1 mx3.2/19, nmtmp4.0/4, Error ellipse: s-maj=37.4km s-min=20.0km az=34.0

ISC 17 23:27:50.9.0.8,24'08S,0'05:67'15W,0'04, h188km,8km, n46,+1563/61, C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SLA San Lorenzo, AZAP Zapla, LIMON Verde, 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 FSA comp=Z,11nm,0.3s, IPOC Station P, YVA Yavi, etc.

comp=Z,13nm,0.6s

GO02 Mina Guanaco 2.47 244 ePn Pn 23 28 35.3 +1.3

GO02 Mina Guanaco 2.47 244 iP Pn 23 28 35.4 +1.4

GO02 2.47 244 eS Pn 23 28 38.0 +0.6

GO02 2.47 244 iS Pn 23 29 10.8

comp=N,986nm,0.4s

PB06 IPOC Station P 2.61 301 eP Pn 23 28 37.2 +1.7

PB06 IPOC Station P 2.61 301 iP Pn 23 28 37.0 +1.5

PB06 2.61 301 eS Pn 23 29 10.2 0.0

PB06 2.61 301 iS Pn 23 29 12.9

comp=E,577nm,0.4s

PB09 IPOC Station P 2.98 319 eP Pn 23 28 40.2 +2.1

PB09 IPOC Station P 2.98 319 eP Pn 23 28 41.9 +1.4

PB14 IPOC Station P 3.02 259 iP Pn 23 28 41.4 +1.0

PB14 3.02 259 eS Pn 23 29 18.3 -0.8

PB14 3.02 259 iS Pn 23 29 24.7

comp=E,292nm,0.5s

PB05 IPOC Station P 3.06 293 eP Pn 23 28 41.9 +1.2

PB05 IPOC Station P 3.06 293 iS Pn 23 28 42.0 +1.2

PB05 3.06 293 eS Pn 23 29 18.6 -1.1

PB05 3.06 293 iS Pn 23 29 20.6

comp=E,257nm,0.4s

PB03 IPOC Station P 3.13 310 eP Pn 23 28 40.4 +1.3

AHML Horco Molle 3.16 149 eP Pn 23 28 42.0 +0.2

PB10 IPOC Station P 3.17 279 ePn Pn 23 28 43.1 +1.1

PB10 IPOC Station P 3.17 279 eP Pn 23 28 43.0 +0.9

PB10 IPOC Station P 3.17 279 iS Pn 23 28 42.9 +0.9

PB10 3.17 279 eS Pn 23 29 20.6 -1.3

PB04 IPOC Station P 3.26 302 ePn Pn 23 28 43.8 +0.6

PB04 IPOC Station P 3.26 302 eP Pn 23 28 44.6 +1.3

PB04 IPOC Station P 3.26 302 iP Pn 23 28 44.6 +1.3

PB04 3.26 302 eS Pn 23 29 23.3 -0.9

comp=N,435nm,0.2s

PB07 IPOC Station P 3.44 312 iP Pn 23 28 46.4 +1.0

PB07 3.44 312 eS Pn 23 29 26.9 -1.2

PB07 3.44 312 iS Pn 23 29 28.9

comp=N,437nm,0.2s

PB01 IPOC Station P 3.71 324 ePn Pn 23 28 49.5 +0.7

PB01 IPOC Station P 3.71 324 eS Pn 23 29 31.9 -2.2

PB02 IPOC Station P 3.74 317 eP Pn 23 28 50.4 +1.3

PB02 IPOC Station P 3.74 317 eP Pn 23 28 50.4 +1.3

PB02 IPOC Station P 3.74 317 eP Pn 23 29 03.9 +2.2

GO01 Chuzmiza 4.78 336 ePn Pn 23 29 03.6 +0.9

PB11 IPOC Station P 4.88 331 ePn Pn 23 29 03.6 -0.1

PB11 4.88 331 eS Pn 23 29 54.2 -6.7

MNMC Minye Minye 5.42 335 eP Pn 23 29 10.9 +0.1

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Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like CHN1, TPUB, MASBT, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations like PTMZ, KNMB, and various MEX, IDC, WRA, ASAR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations like ASF, MMAL, GEYT, EIL, etc.

18d 2h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like WAKR Walker, YERR Yerington, PAHR Pah Rah Range, etc.

MEX 18 01:19.13.0.6, 16.99N:99.69W, h27km, 21km, MD3.7,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like CAIG El Cayaco, MEIG Mezcala, TLIG Tlapa, etc.

SOME 18 01:38:56.8, 42.28N:79.82E, h10km
KRNET 18 01:38:56.0, 42.31N:79.94E, h1km, mb4.0
NINC 18 01:38:57.6, 42.36N:79.91E, h0km, mb4.1, mpv3.9

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

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Main table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MNBS Baschi, MNBS Baschi, MNBS Baschi, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KBK Karagaybulak, KBK Karagaybulak, CHMS Chumysh, etc.

IDC 18 02:07:24.7-4.0, 21.50S:70.09W, h0km, mb4.1/1,
mb1.3, 9/2, mb1mx3.5/17, mbtmp3.8/2, ML3.4/1, Error
ellipse: s-maj=126.9km s-min=60.9km az=91.0

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

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like Chusmiza, Minye Minye, IROC Station, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like Avacha, Ugluova, Koryaka, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like SRU, San Rafael, ABKAR, etc.

IDC 18 02:45:36.1±0.7, 55.58N, 162.93E, h0km, mb3.9/14, mb1 4.2/16, mb1mx4.0/39, mbmp4.0/16, ML3.6/2, MS3.3/9, Ms1 3.3/9, sm1x3.0/35, Error ellipse: s-maj=24.9km

KRSC 18 02:45:37.6±0.9, 65.41N, 163.22E, h45km, 19km, ML4.4

ISCBJ 18 02:45:39.0±0.7, 55.44N, 162.163.20E, 0.03, h33km, 5km, mb4.2/39, MS3.4/7, Error ellipse: s-maj=3.8km

NEIC 18 02:45:39.3±2.5, 55.56N, 163.05E, h22km, 5km, mb4.3/22, Error ellipse: s-maj=11.9km, s-min=7.9km, az=126.0

MOS 18 02:45:39.9±1.1, 55.45N, 163.08E, h45km, mb4.3/17, Error ellipse: s-maj=6.7km, s-min=4.5km, az=76.2

ISC 18 02:45:38.9±1.5, 55.46N, 163.16E, 0.03, h22km, 11km, n171, s139/201, mb4.2/39, MS3.4/7, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like Krutoberegovo, Mys Kozlova, Semkarok, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like Kuril'sk, Asahikawa, YAKUTSK, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like TRN 18 02:45:44.4, 10.99N, 62.00W, etc.

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like TRN Trinidad (W), Pointe-a-Pierre, etc.

MEX 18 03:11:16.3±0.5, 15.95N, 97.75W, h15km, 6km, MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like VHO, HUIG, TLIG, etc.

ISCBJ 18 03:15:31.7±0.5, 38.35S, 175.87E, 0.05, h22km, 4km, mb5.2/2, Error ellipse: s-maj=6.0km, s-min=4.2km, az=17.4

NEIC 18 03:15:32.0±0.0, 38.33S, 175.92E, h230km, mb4.4/2, ML4.1 (WEL), After WEL

WEL 18 03:15:34.3, 38.3S, 175.9E, h204km, 4km, M3.4/95, MLV3.4/95, Error ellipse: s-maj=0.0km, s-min=0.0km, az=42.7

ISC 18 03:15:30.1±0.1, 38.34S, 175.93E, 0.05, h225km, 6km, n148, s250/170, North Island

Table with columns: Code, Station Name, Az, El, Pn, S, Res, Time, Res, ISC. Includes stations like GRRZ, KUTZ, HSRZ, etc.

18d 4h

Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NB200 NORSAR Array S, NOA NORSAR Array B, MK32 Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VHO Vista Hermosa, HUIG Huatulco, TLIG Tlapa.

SOME 18 04:19:26.7, 41.922N:77.17E, h10km
KRNET 18 04:19:26.4, 0.1, 41.85N:77.13E, h14km, mb3.3
NINC 18 04:19:27.4, 0.6, 41.92N:77.14E, h0km, mb3.9, mpv4.1

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KDJ Kajisay, ULHL Ulahol, NRN Naryn, BOOM Boomskeye usch, etc.

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Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TKM2 baz=1, TKM2 Tokmak 2, KURS Kuram, etc.

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Table with columns: Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARSB Arslanbob, NRN Naryn, ARLS Aral, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARE1 Arenal 1, CEDE Lago Cededo, JTS Las Juntas de, etc.

Table with columns: MESS, CUI, CRIN, Mesas, Cuiptilapa, San Cristobal, 1.21 130 eP, 1.29 132 eP, 1.47 323 eP, P, S, S, Pb, Sn, 0.44 55.8 -1.0, 0.44 56.1 -1.7, 0.45 13.6 -1.1, 0.45 15.4 -4.4

IDC 18 04:55:24.5:1.0,26:76N:57:85E, h0km, mb3.7/18, mb1 3.8/20, mb1mx3.7/57, mtbmp3.7/20, ML3, 8/2, MS3.4/15, Ms1 3.4/15, ms1mx3.2/35, Error ellipse: s-maj=22.1km s-min=16.8km az=163.0

DSN 18 04:55:25.5:1.5,26:27N:58:27E, h10km, ML4.2/9, Error ellipse: s-maj=18.1km s-min=10.7km az=4.0

THR 18 04:55:27.4:0.26:79N:57:88E, h15km, ML4.0

NEIC 18 04:55:27.4:0.26:79N:57:88E, h15km, mb4.0/16, ML4.0(THR), MN4.3(TEH), After THR, TEH 18 04:55:27.2, 26:71N:57:87E, h18km, ML4.2

ISCJB 18 04:55:29.2:0.3, 26:64N:0:03:57:91E:0.04, h60km, 5km, mb3.8/23, Error ellipse: s-maj=5.9km s-min=4.4km az=12.5

OMAN 18 04:55:30.7:1.3, 26:58N:58:30E, h34km, 28km, ml4.2/15, Error ellipse: s-maj=54.7km s-min=4.6km az=27.0

ISC 18 04:55:29.9:1.0, 26:65N:0:03:57:90E:0.04, h46km, 11km, n117, az=22/115, mb3.7/23, MS3.3/13, Southern Iran

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Main station list table with columns: AAK, AAK, AAK, NRN, BOOM, KDJ, ABKAR, AKTO, AKTO, BR101, BR131, BRTR, BRTR, MK32, MKPAC, MKAR, BVAR, BALB, KURBB, AKASG, AKKB, ZALV, ZMAI, GE2, GERES, KHC, FIAO, FINES, KE1, SONA, SONM, SONM, NOA, ARAO, ARCES, ESDC, TORD, TOA1, KSRS, BOSB, PETK, ILAR, WRA, WRA, NIED, JMA, JFK, JFK, ONAJ, JMST, JMM, JMM, JFFD, JFFD, JIKH, JIKH, JHO, JHO, JIO, JIO, JFT, JFT, JOU, JOU, JYS, JYS, JMY, JMY, JMAT, JMAT, RUS, AVH, AVH, SMAR, SMAR, KOK, KOK, NLC, NLC, SDR, SDR, KRER, KRER, APC, APC, APC, APC, SPN, SPN, SPN, SPN, PAU, PAU, PAU, PAU, GNL, GNL, SKR, SKR, SKR, SKR, ALID, ALID, ALID, ALID, KZV, KZV, KZV, KZV, TUMR, TUMR, TUMR, TUMR, BKTR, BKTR, BKTR, BKTR, H1N12, H1N12, H1N13, H1N13, H1N11, H1N11, H1S1, H1S1, H1S3, H1S3

Main station list table with columns: H1S2, NVAR, PDAR, TXAR, ISCJB, IDC, ISC, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Mina Array Sit, Ryan, Kaiserville, Mammoth, Walker, Old Mammoth Mi, etc.

18d 06:40:09.61.4.5.43S.133.69E, h0km, mb3.6/1, mb1.4/0.4, mb1mx3.6/38, mbtmp3.8/4, ML3.7/3, Error ellipse: s-maj=102.2km s-min=25.1km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Sorong, Warramunga Arr, ASAR, MKAR, CPUP, LPAZ.

18d 06:43:34.2.3.6.10.74S.165.78E, h0km, mb4.2/5, mb1.4/0.4, mb1mx3.8/44, mbtmp4.1/5, Error ellipse: s-maj=127.9km s-min=35.4km az=143.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Warramunga Arr, CMAR, ILAR, MKAR, ZALV, MAN.

18d 06:59:45.8.1.9.13.72N.92.12W, h0km, mb3.7/6, mb1.4/1.0, mb1mx3.8/39, mbtmp3.8/10, ML3.8/4, MS3.2/4, Ms1.3/2.4, ms1mx2.6/37, Error ellipse: s-maj=36.9km s-min=21.3km az=14.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNP, BESP, PVCP, PLP, RCP.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FUG, PBCG, NCBG, NBBG, APG, PCIG, CCIG, RTR, SNE, MRL, MTO3, SNET, LFU, TGIG, TECA, PACA, CMIG, CMIG, CNCH, TGUH, JTS, HOGEI, TXAR, HO6N, TKL, ANMO, SJG, PDAR, NVAR, NVAR, SCHO, YKA, ILAR, CMAR.

18d 07:14:27.4.0.7.12.57N.143.80E, h0km, mb4.0/10, mb1.4/3.0, mb1mx3.9/47, mbtmp3.9/10, MS3.3/4, Ms1.3/3.4, ms1mx2.7/42, Error ellipse: s-maj=27.2km s-min=17.3km az=117.0

NEIC 18 07:14:29.0.1.4.12.63N.143.79E, h10km, mb4.6/8, Error ellipse: s-maj=22.4km s-min=10.6km az=133.0

ISCJB 18 07:14:30.1.0.4.12.58N.140.07, h43.73E.0.09, h27km, mb4.3/17, MS3.3/2, Error ellipse: s-maj=14.3km s-min=7.2km az=36.2

ISC 18 07:14:31.6.0.7.12.61N.143.8E.0.1, h27km, n41, o#91/35, mb4.2/17, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMO, GUMO, SARN, SIJI, DAV, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, WRAB, WB2, WR1, WRA, AS31, ASAR, CMAR, ILAR, ILB, YKA, YKBS, BEKR, NEW, NEW, NV01, NVAR, ELK, TPNO, PDAV, PDAR, TOA1, TOA2, LPAZ, LPAZ.

18d 07:18:14.2.3.6.10.74S.165.78E, h0km, mb4.2/5, mb1.4/0.4, mb1mx3.8/44, mbtmp4.1/5, Error ellipse: s-maj=127.9km s-min=35.4km az=143.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, CMAR, ILAR, MKAR, ZALV, MAN.

18d 08:09:30.4.0.3.84S.0.03.117.17E.0.03, h10km, mb4.1/12, MS3.3/4, Error ellipse: s-maj=4.8km s-min=2.4km az=15.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMU, DHRM, DHRM, DHRM, DHRM, SMLA, SMLA, SMLA, JOSI, JOSI, JOSI, KHET, KHET, KHET, KALG, KALG, KUDL, KUDL, KUDL, SONA, KK31, KK31.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IDC, NEIC, ISCB, GUMO, GUMO, GUMO, SARN, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, WRAB, WB2, WR1, WRA, WC3, AS31, ASAR, PSAA2, PSAA3, PSAA1, ZALV, ZAA1, ILAR, ILB, LPAZ, LPAZ, NNC, IDC, ISCB, IDC, GUMO, GUMO, GUMO, SARN, H1S3, H1S1, H1S2, H1N1, H1N2, H1N3, WRAB, WB2, WR1, WRA, WC3, AS31, ASAR, PSAA2, PSAA3, PSAA1, ZALV, ZAA1, ILAR, ILB, LPAZ, LPAZ.

18d 08:05:10.1.1.9.33.72N.73.86E, h10km, ML3.1, ISCJB 18 08:05:11.7.1.1.33.42N.0.08.74.0E.0.1, h10km, Error ellipse: s-maj=16.9km s-min=8.3km az=150.3

ISC 18 08:05:11.5.1.6.33.55N.0.09.73.9E.0.1, h10km, n9, o#136/12, K, Pakistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMU, DHRM, DHRM, DHRM, DHRM, SMLA, SMLA, SMLA, JOSI, JOSI, JOSI, KHET, KHET, KHET, KALG, KALG, KUDL, KUDL, KUDL, SONA, KK31, KK31.

18d 08:09:30.4.0.3.84S.0.03.117.17E.0.03, h10km, mb4.1/12, MS3.3/4, Error ellipse: s-maj=4.8km s-min=2.4km az=15.0

IDC 18 08:09:32.5.1.7.8.47S.117.20E, h10km, mb4.3/10, Error ellipse: s-maj=9.9km s-min=1.6km az=159.0

NEIC 18 08:09:34.4.0.5.9.5.6.11.7E.1, h28km, mb4.4/11, mb4.8/1, mb4.8/1, MLV4.3/11, Mw(mb)4.0/1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMU, DHRM, DHRM, DHRM, DHRM, SMLA, SMLA, SMLA, JOSI, JOSI, JOSI, KHET, KHET, KHET, KALG, KALG, KUDL, KUDL, KUDL, SONA, KK31, KK31.

18d 08:09:34.4.0.5.9.5.6.11.7E.1, h28km, mb4.4/11, mb4.8/1, mb4.8/1, MLV4.3/11, Mw(mb)4.0/1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JMU, DHRM, DHRM, DHRM, DHRM, SMLA, SMLA, SMLA, JOSI, JOSI, JOSI, KHET, KHET, KHET, KALG, KALG, KUDL, KUDL, KUDL, SONA, KK31, KK31.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like HWQ, HSUJ, ASF, DSI, AMAZ, etc.

18d 09:24:09.3.3.0.53.58N.87.79E, h0km, mb1 3.1/2, mb1mx3.0/60, mbtmp3.1/2, ML2.9/2, Error ellipse: s-maj=35.6km s-min=16.4km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, etc.

18d 09:25:19.6.3.0.53.58N.87.87E, h0km, mb1 3.5/2, mb1mx3.2/62, mbtmp3.5/2, ML3.0/2, Error ellipse: s-maj=28.7km s-min=16.3km az=52.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, etc.

ASRS 18 09:25:17.1.3.53.58N.87.96E, M2.9, Industrial explosion (after: The Earthquake of Russia in 2012. Obninsk, GIS RAS, 224p + 20-FROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like H46RU, ZALV, ZALV, KURBB, MKAR, etc.

ISCJB 18 09:31:32.7.0.3.35.58N.0.03.69.79E.0.05, h90km, mb3.8/14, Error ellipse: s-maj=5.3km s-min=3.9km az=1.9

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KBL, CEP, CHGR, THW, NIL, CHCP, GAR, BTK, ARSB, IUG, etc.

18d 09:31:32.2.5.6.35.43N.69.66E, h75km, mb3.7/10, mb1 3.8/13, mb1mx3.4/60, mbtmp4.1/13, ML4.4/4, MSZ.8/2, Ms1 2.8/2, ms1mx2.3/35, Error ellipse: s-maj=33.5km s-min=16.9km az=12.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KBL, CEP, CHGR, THW, NIL, CHCP, GAR, BTK, ARSB, IUG, etc.

NNC 18 09:31:34.4.1.8.37.09N.71.51E, h0km, mb4.7, mpv4.6, Error ellipse: s-maj=15.3km s-min=9.4km az=154.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KBL, CEP, CHGR, THW, NIL, CHCP, GAR, BTK, ARSB, IUG, etc.

NEIC 18 09:31:34.3.2.1.35.56N.69.71E, h96km, mb4.0/6, Error ellipse: s-maj=8.6km s-min=5.5km az=186.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KBL, CEP, CHGR, THW, NIL, CHCP, GAR, BTK, ARSB, IUG, etc.

ISC 18 09:31:33.6.0.6.35.54N.0.06.69.76E.0.06, h90km, n75, #1311/81, mb3.9/14, 7C-4D, Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KBL, CEP, CHGR, THW, NIL, CHCP, GAR, BTK, ARSB, IUG, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PKI, JURN, KIRBB, KURBB, KURK, AKTO, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like BVAR, BRVK, BRVK, ZAAO, ZALV, ZALV, ZAA1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ARU, SONA, SONM, AKASG, AKKB, ARAO, etc.

DDA 18 09:31:41.0.40.09N.31.92E, h7km, mb3.0, ML2.6, ISK 18 09:31:42.9.40.09N.31.63E, h9km, ML2.4/9, ISC 18 09:31:41.6.1.2.40.10N.0.03.31.77E.0.03, h1km, n17, #08129, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

BUI 18 09:32:26.7.0.0.18.78N.147.43E, h28km, mb4.8/13, mb4.9/12, Ms4.2/2, Ms7.4/0.3, NEIC 18 09:32:33.5.0.8.19.20N.147.21E, h48km, mb4.6/5.3, Error ellipse: s-maj=31.5km s-min=13.6km az=109.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

ISCJB 18 09:32:37.2.0.3.19.05N.0.04.145.58E.0.10, h150km, mb4.3/43, Error ellipse: s-maj=13.1km s-min=5.2km az=179.0

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

ISC 18 09:32:39.4.0.6.13.01N.0.06.145.6E.0.2, h150km, n60, #1544/47, mb4.4/43, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like AUMIH, KIBS, KIBS, MDUB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CN2, CN2, CN2, CN2, CN2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like KLR, PETK, PEA1, HHC, HHC, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like CD2, WRA, SONM, ASAR, SEY, WMQ, WMQ, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ZALV, MKAR, KDAA, CAST, KURBB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like BPAW, MLY, SML, HDA, ILAR, ILB, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PAX, RIDG, RIDG, SCRK, EGAK, BVAR, DAWY, BTK, etc.

TRN 18 09:44:26.7.10.98N.62.12W, h115km, MD3.5, Near coast of Venezuela

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

DSN 18 09:53:23.1.3.3.26.71N.58.20E, h10km, ML3.7/7, Error ellipse: s-maj=47.4km s-min=15.1km az=5.0, ISCJB 18 09:53:24.6.0.6.26.77N.0.04.58E.0.07, h10km, Error ellipse: s-maj=2.9km s-min=1.4km az=76.0, TEH 18 09:53:26.9.26.78N.57.72E, h8km, ML3.5, MHAN 18 09:53:28.4.4.2.26.95N.58.1E, h34km, ml3.5/12, Error ellipse: s-maj=46.7km s-min=17.1km az=5.0, THR 18 09:53:29.7.26.67N.57.69E, h18km, ML3.5, ISC 18 09:53:26.2.0.9.26.61N.0.04.57.93E.0.04, h10km, n52, #1592/49, Southern Iran

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	CTAO
						h m s	ISC	
JSK1	Jask	0.98 189	eP	Op	ISC	09 53 49.1	+3.1	PMG
KHNJ	Kahnhoj	1.35 352	eP	Pn	Pn	09 53 49.3	-1.9	PMG
NIAN	Nian	1.36 314	eP	Pn	Pn	09 53 51.7	+0.4	PMG
NIAN	Nian			IAMB	IAMB	09 54 15.4		
comp=Z,0.0nm,0.4s								
BANOM	Banah	1.61 245	eP	Pb	Pn	09 53 55.7	-0.5	HIZ
BANOM	Banah	1.61 245	P	Pg	Pg	09 53 57.4	+0.2	MXZ
BANOM	Banah			SNR=30				
BANOM	Shamm	1.70 251	eP	S	Sg	09 54 19.5	+1.3	URZ
SHME	Shamm			Pb	Pb	09 53 56.7	-0.9	URZ
SHME	Shamm			S	Sg	09 54 22.0	+1.2	URZ
SHME	Shamm	1.70 251	eP	Pb	Pb	09 53 56.9	-0.7	URZ
BNDS	Bandar-Abbas	1.76 297	eP	AML	AML	09 54 21.9		MTSU
BNDS	Minazif			SNR=45nm,0.3s				
GENO	Geno	1.76 297	eP	IAMB	IAMB	09 54 26.9		BKZ
GENO	Geno			comp=Z,0.0nm,0.4s				
MDH	Madha	1.96 229	eP	Pn	Pn	09 53 58.5	-1.1	COEN
MDH	Madha	1.96 229	P	Pn	Pn	09 53 59.8	+0.3	COEN
MDH	Madha	1.96 229	eP	Pn	Pn	09 53 58.5	-1.1	COEN
MSFE	Esma-Masafi	2.02 232	eP	Pn	Pn	09 53 59.4	-1.0	COEN
MSFE	Esma-Masafi	2.02 232	eP	Pn	Pn	09 53 59.4	-1.0	COEN
UOSS	Minazif	2.27 224	eP	Pn	Pn	09 54 03.0	-0.9	COEN
UOSS	Minazif	2.27 224	P	Pb	Pb	09 54 06.9	-0.4	COEN
UOSS	Minazif	2.27 224	eP	Pn	Pn	09 54 03.0	-0.9	COEN
HATD	Hatta, Dubai	2.40 223	P	Pb	Pb	09 54 06.6	+0.9	COEN
HATD	Hatta, Dubai	2.40 223	P	Pb	Pb	09 54 08.9	-0.7	COEN
HATD	Hatta, Dubai	2.40 223	eP	Pn	Pn	09 54 07.7	-1.9	COEN
CHBR	Chabahar	2.51 113	eP	Pn	Pn	09 54 17.4	+0.4	COEN
CHBR	Chabahar	2.51 113	Pn	Pn	Pn	09 54 14.7	+0.4	COEN
ASHO	Ashtiyah	2.56 222	P	Pb	Pb	09 54 11.1	+0.5	COEN
ASHO	Ashtiyah	2.56 222	P	Pb	Pb	09 54 07.8	+0.1	COEN
NAZ	Nazwa, Dubai	2.60 232	eP	Pn	Pn	09 54 09.8	+1.4	COEN
FAQ	Al Faqa, Dubai	2.81 229	P	Pn	Pn	09 54 12.8	+1.6	COEN
FAQ	Al Faqa, Dubai	2.81 229	P	Pn	Pn	09 54 16.3	-0.2	COEN
FAQ	Al Faqa, Dubai	2.81 229	eP	Pn	Pn	09 54 13.0	+1.8	COEN
HOQ	Hoqain	3.06 191	P	Pn	Pn	09 54 15.3	+0.5	COEN
ASUD	Al Ashush, Dub	3.07 231	iP	Pn	Pn	09 54 16.6	+1.9	COEN
ASUD	Al Ashush, Dub	3.07 231	P	Pb	Pb	09 54 18.0	-2.9	COEN
NGRK	Negar Kerman	3.21 341	IAMB	IAMB	IAMB	09 55 14.1		COEN
ALNE	Al Ain	3.22 218	iP	Pn	Pn	09 54 17.0	+0.2	COEN
ALNE	Al Ain	3.22 218	eP	Pn	Pn	09 54 18.9	+2.1	COEN
CHMN	Cheshme madani	3.26 354	IAMB	IAMB	IAMB	09 54 29.3		COEN
WSAR	Wadi Sarin	3.41 169	P	Pn	Pn	09 54 21.3	+1.8	COEN
KRBR	Kerman	3.52 343	eP	Pn	Pn	09 54 24.4	+3.2	COEN
KRBR	Kerman	3.52 343	AML	AML	AML	09 55 29.1		COEN
KRBR	Kerman	3.52 343	Pn	Pn	Pn	09 54 24.4	+3.2	COEN
SMDO	Sarnad	3.54 178	P	Pn	Pn	09 54 23.1	+1.8	COEN
BSY	Bisya	3.90 190	P	Pb	Pb	09 54 31.0	-4.2	COEN
ZHSF	Zahedan	3.91 39	eP	Pn	Pn	09 54 32.4	+5.9	COEN
ZHSF	Zahedan	3.91 39	Pn	Pn	Pn	09 54 32.4	+5.9	COEN
GHIR	Ghir-Karzin	4.70 292	eP	Pn	Pn	09 54 38.9	+1.6	COEN
GHIR	Ghir-Karzin	4.70 292	Pn	Pn	Pn	09 54 38.9	+1.6	COEN
MZR	Muzera	5.41 229	eP	Pn	Pn	09 54 47.3	+0.3	COEN
BSRN	Basiran	5.44 11	Pn	Pn	Pn	09 54 51.7	+4.2	COEN
BSRN	Basiran	5.44 11	Pn	Pn	Pn	09 54 51.7	+4.2	COEN
BSRN	Basiran	5.44 11	Pn	Pn	Pn	09 56 17.4	-3.5	COEN
IKAZ	Kazeroun	6.23 302	eP	Pn	Pn	09 54 57.3	-1.3	COEN
YZKH	Yazd	6.45 334	eP	Pn	Pn	09 55 04.1	+2.7	COEN
YZKH	Yazd	6.45 334	eP	Pn	Pn	09 55 04.1	+2.7	COEN
IRAM	Rameshah	7.10 318	eP	Pn	Pn	09 55 11.0	+0.7	COEN

IDC 18 09:59:30.1±0.7, 17.38S;167.71E, h0km, mb4.5/18, mb1 4.7/20, mb1mx4.5/45, mbtmp4.6/20, ML4.5/2, MS4.5/20, Ms1 4.5/20, ms1mx4.5/24, Error ellipse: s-maj=51.2km s-min=14.6km az=92.0
BUI 18 09:59:31.9±0.0, 17.50S;167.80E, h19km, mb4.9/48, mb5.4/44, Ms5.1/38, Ms7 4.7/36
NEIC 18 09:59:32.8±1.8, 17.41S;167.78E, h18km, mb5.1/56, Error ellipse: s-maj=16.9km s-min=10.5km az=77.0
ISCJB 18 09:59:32.7±0.2, 17.49S;0.03;167.76E;0.04, h27km, mb5.1/82, MS4.7/50, Error ellipse: s-maj=5.2km s-min=3.8km az=18.6
MOS 18 09:59:34.1±1.3, 17.36S;167.56E, h33km, mb5.0/36, MS4.6/11, Error ellipse: s-maj=10.8km s-min=8.8km az=120.4
GCMT 18 09:59:35.8±0.1, 17.39S;0.01;167.50E;0.01, h16km, MW5.4/118, Moment Tensor Solution. s109.c182; s118.c199; Duration: 1s2 Moment tensor: Scale 1017 Nm; Mn:0.91±0.02; Mw:0.01±0.01; Ms:0.92±0.1; Mo:0.32±0.04; M0:0.12±0.1; Mw:1.06±0.05; Best double couple: Mo:1.44000±0.1017; NP1:±165.00000°; ±70.00000°, ±65.00000°. NP2:±1.00000°; ±20.00000°, ±1.04.00000°. Principal axes: T: 1.4340, Plg64.0000°, Azm67.0000°; N: 0.0120, Plg5.0000°, Azm167.0000°; P: -1.4450, Plg25.0000°, Azm260.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
ISC 18 09:59:34.1±0.3, 17.49S;0.04;167.84E;0.06, h27km, n259, ±192/261, mb5.1/82, MS4.8/51, 14C-6D, Vanuatu Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	CTAO
						h m s	ISC	
PMG	Port Moresby	21.64 289	LR	LR	LR	10 11 23.9		PMG
PMG	Port Moresby	21.64 289	eP	Pn	Pn	10 04 21.5	-1.0	PMG
PMG	Port Moresby	21.64 289	eP	Pn	Pn	10 04 21.5	-1.0	PMG
HIZ	Hauti	21.82 165	eP	P	P	10 04 27.6	+3.3	HIZ
MXZ	Matakopa Point	22.01 157	eP	P	P	10 04 28.2	+1.9	MXZ
URZ	Urewera	22.23 160	P	P	P	10 04 30.7	+2.0	URZ
URZ	Urewera	22.23 160	eP	Pn	Pn	10 11 23.2		URZ
URZ	Urewera	22.23 160	eP	Pn	Pn	10 04 31.2	+2.5	URZ
MTSU	Mount Surprise	22.40 265	P	P	P	10 04 29.8	-0.9	MTSU
BKZ	Black Stump Fm	22.88 162	eP	P	P	10 04 37.3	+1.7	BKZ
COEN	Coen	23.99 275	eP	P	P	10 04 46.3	-0.4	COEN
COEN	Coen	23.99 275	P	P	P	10 04 46.5	-0.2	COEN
YNG	Young	24.13 222	P	P	P	10 04 48.4	+0.5	YNG
CNB	Canberra Magne	24.19 219	P	P	P	10 04 48.9	+0.4	CNB
BFZ	Birch Farm	24.22 164	eP	P	P	10 04 46.3	-2.3	BFZ
CAN	Canberra	24.42 220	eP	P	P	10 04 51.2	+0.7	CAN
CAN	Canberra	24.42 220	eP	Pn	Pn	10 04 51.2	+0.7	CAN
CMSA	Colar Meteorol	24.46 231	P	P	P	10 04 50.9	0.0	CMSA
THZ	Topouse	24.58 171	eP	P	P	10 04 54.9	+3.0	THZ
KHZ	Kahutara	25.32 170	eP	P	P	10 04 59.6	+1.1	KHZ
RPZ	Rata Peaks	26.28 175	LR	LR	LR	10 15 16.6		RPZ
QIS	Mount Isa	26.85 259	P	P	P	10 05 12.3	-0.4	QIS
STKA	Stephens Creek	27.72 234	P	P	P	10 05 21.1	+0.8	STKA
STKA	Stephens Creek	27.72 234	eP	Pn	Pn	10 15 03.2		STKA
STKA	Stephens Creek	27.72 234	eP	Pn	Pn	10 05 20.3	0.0	STKA
STKA	Stephens Creek	27.72 234	P	P	P	10 05 21.8	+1.4	STKA
STKA	Stephens Creek	27.72 234	eP	Pn	Pn	10 05 20.3	0.0	STKA
WRB	Warramunga Arr	31.78 260	eP	P	P	10 05 54.8	-1.7	WRB
WRAB	Tennant Creek	31.78 260	eP	P	P	10 05 54.1	-2.4	WRAB
WRAB	Tennant Creek	31.78 260	eP	Pn	Pn	10 05 54.1	-2.4	WRAB
WRA	Warramunga Arr	31.79 260	P	P	P	10 05 53.9	-2.7	WRA
WRA	Warramunga Arr	31.79 260	P	P	P	10 05 53.9	-2.7	WRA
ASAR	Alice Springs	32.30 253	P	P	P	10 05 58.5	-2.6	ASAR
ASAR	Alice Springs	32.30 253	P	P	P	10 18 15.0		ASAR
ASAR	Alice Springs	32.30 253	P	P	P	10 05 58.5	-2.6	ASAR
ASAR	Alice Springs	32.30 253	P	P	P	10 05 58.5	-2.6	ASAR
ASAR	Alice Springs	32.30 253	P	P	P	10 05 58.5	-2.6	ASAR
BBOO	Bucklebo	32.40 236	eP	P	P	10 06 01.5	-0.3	BBOO
KDU	Kakadu	34.44 273	P	P	P	10 06 17.2	-2.5	KDU
MTN	Manton Dam	35.69 272	P	P	P	10 06 31.6	+1.1	MTN
KNRA	Kunurra	35.45 267	P	P	P	10 06 40.3	-2.5	KNRA
WRKA	Waraka	37.50 252	P	P	P	10 06 44.1	-1.8	WRKA
TBI	Tubuai	40.33 106	eS	S	S	10 13 15.8	-0.2	TBI
TBI	Tubuai	40.33 106	eS	S	S	10 16 35.1		TBI
TBI	Tubuai	40.33 106	eS	S	S	10 18 18.0		TBI
PPT2	Papeete	40.55 97	eS	S	S	10 13 19.0	-0.4	PPT2
PPT2	Papeete	40.55 97	eS	S	S	10 16 41.1		PPT2
PPT2	Papeete	40.55 97	eS	S	S	10 18 24.3		PPT2
PPT2	Papeete	40.55 97	eS	S	S	10 19 43.2		PPT2
SOEI	Soe	42.95 274	eP	P	P	10 07 32.9	+1.5	SOEI
PSAO	Pilbara Seismi	45.27 257	eP	P	P	10 07 52.9	+3.2	PSAO
MEEK	Meekatharra	46.28 250	P	P	P	10 07 57.0	-0.7	MEEK
MORW	Morawa	48.62 246	eP	P	P	10 08 14.7	-1.1	MORW
MORW	Morawa	48.62 246	eP	P	P	10 08 15.8	0.0	MORW
TAOE	Nuku Hiva Isla	51.24 87	eS	S	S	10 15 51.7	-1.7	TAOE
TAOE	Nuku Hiva Isla	51.24 87	eS	S	S	10 23 21.5		TAOE
KSM	Kuching	59.70 282	eP	P	P	10 09 39.1	+2.3	KSM
VNDA	Vanda	60.13 181	eP	P	P	10 09 39.2	+0.4	VNDA
VNDA	Vanda	60.13 181	eP	P	P	10 31 03.9		VNDA
VNDA	Vanda	60.13 181	eP	P	P	10 09 39.4	+0.7	VNDA
MJAR	Matsushiro	60.59 333	P	P	P	10 09 40.9	-1.5	MJAR
MJAR	Matsushiro	60.59 333	P	P	P	10 36 29.1		MJAR
MAJO	Matsushiro	60.						

Table with columns for station name, frequency, power, and coordinates. Includes stations like Sidrap Palu, Pagerwojo, Ngawi, Tana Toraja, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like Son La, Payao, Chiang Mai, Stephens Creek, etc.

Table with columns for station name, frequency, power, and coordinates. Includes stations like GTA, MSHR, VLA, MDJ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ZALV, MAW, PETK, YAK, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like LPAZ, WEL, MXZ, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, Power, and other technical details. Includes stations like CHOS, BOSM, JASK, etc.

Table with columns: ZALV, Zalesovo Beam, 41.29 311 P P, 17 12 44.7 +0.3, etc. Includes stations like Zalesovo Beam, Chiang Mai, Makanchi Array, etc.

Table with columns: NOA, NORSAR Array B, 73.08 337 P P, 17 16 28.9 +0.1, etc. Includes stations like NORSAR Array B, Keskin Array S, etc.

Table with columns: GCG 18 17:53:34.2±0.4, 14:16N:91.68W, h56km, 88km, MD3.5, etc. Includes station names like Santiaguito 3, Fuego 3, Pacaya, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like GERES, TORO, TORI, NOA, ULM, H10N2, etc.

ISCJB 18:42:20.0-0.7, 18:60S:09:168:9E:0.1, h200km, mb4.3/13, Error ellipse: s-maj=19.2km s-min=9.9km az=26.9

NEIC 18:42:22.0-2.1, 18:88S:169:12E, h217km, 11km, mb4.7/9, Error ellipse: s-maj=34.1km s-min=6.3km az=124.0

ISC 18:42:22.4-2.7, 18:90S:169:23E, h225km, 22km, mb3.8/6, mb1 3.9/7, mb1mx3.5/32, mbmtpr4.3/7, MS3.2/3, M1 3.2/3, ms1mx2.8/23, Error ellipse: s-maj=63.0km s-min=23.9km az=144.0

ISC 18:42:20.5-0.9, 18:7S:01:169:1E:0.2, h200km, n26, c1814/25, mb4.5/13, Vanuatu Islands

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

SVSA 18:18:45:01.8-1.0, 38:93N:29:05W, h1km, 9km, MD3.5, ML2.8, Error ellipse: s-maj=13.6km s-min=4.4km az=88.0, Azores Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCED, CALA, HOR, etc.

NNC 18:52:55.2-3.7, 45:01N:80:15E, h0km, mb2.5, mpv2.3, Error ellipse: s-maj=38.6km s-min=24.1km az=103.0

SOME 18:52:54.4, 42:03N:81:05E, h0km, 2C, Northern Xinjiang

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

ISC 18:09:16:19:06:19:2.2, 5:15N:125:25E, h0km, mb4.0/3, mb1 4.2/3, mb1mx3.6/32, mbmtpr4.0/3, Error ellipse: s-maj=208.1km s-min=23.9km az=65.0, Mindanao

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

SIK 18:09:15:5, 42:63N:20:42E, h50km, M2.4

BEO 18:09:17:4-0.6, 42:42N:20:19E, h5km, ML2.3/1

PDG 18:09:17:9-0.4, 42:46N:20:13E, h5km, 1km, MD2.4/1, ML2.3/10, Error ellipse: s-maj=0.7km s-min=1.4km az=0.0

TIR 18:09:18:17.1, 42:49N:20:16E, h8km, M2.6/6

SRO 18:09:18:3, 42:51N:20:06E, h6km, M1.5, ML2.5

ISC 18:09:17:1, 42:49N:20:16E, h0km, 9km, n70, c1844/10, 11C-9D, Northwestern Balkan Peninsula

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

SKO comp=E, 4.5nm, 0.8s

SKO comp=N, 3.5nm, 0.4s

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

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

SJA 18:19:11:40.6-0.8, 22:29S:69:22W, h79km, 2km, ML3.3, MW3.5

GUC 18:19:11:40.9-0.4, 22:29S:69:23W, h83km, 2km, ML3.2

ISCJB 18:19:11:41.5-0.8, 22:28S:07:03:69:23W, 0.06, h84km, 5km, 7km, Error ellipse: s-maj=8.8km s-min=5.5km az=176.5

ISC 18:19:11:42:81.5, 22:29S:07:03:69:24W, 0.05, h72km, 10km, n24, c070/36, Northern Chile

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

comp=E, 2.0m, 0.1s

comp=E, 861nm, 0.2s

comp=N, 619nm, 0.1s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PB09, PB09, PB09, etc.

NEIC 18:19:14:01.0-1.1, 57:29S:25:87W, h44km, 7km, mb4.7/11, Error ellipse: s-maj=28.6km s-min=17.9km az=57.0

ISCJB 18:19:14:01.3-0.5, 57:28S:07:08:25:87W, 0.2, h65km, mb4.5/11, Error ellipse: s-maj=20.5km s-min=8.9km az=154.9

ISC 18:19:14:01.7-6.0, 57:28S:25:55W, h50km, 56km, mb4.3/5, mb1 4.3/6, mb1mx3.9/23, mbmtpr4.6/6, ML3.9/1, MS3.3/4, M1 3.3/4, ms1mx2.9/27, Error ellipse: s-maj=35.6km s-min=20.2km az=72.0

ISC 18:19:14:03.2-0.6, 57:33S:01:125:8W, 0.2, h65km, n59, c0659/53, mb4.6/11, South Sandwich Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like VNA1, VNA1, VNA1, etc.

18d 19h

Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like X40A Basin Creek Fa, Y50A Piedmont, Z53A Monticello, etc.

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Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like V51A Loudon, V51A Loudon, TKL Tuckechee C, U47A Clarksville, etc.

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Table with columns for call sign, location, frequency, power, and other technical details. Includes entries like R50A Paris, S53A Williamson, T56A Rocky Mt, etc.

WUAZ	Wupatki	28.01 324	P	P	19 54 01.4 +1.1
L40A	Anamosa	28.02 0	eP	P	19 53 59.4 -0.7
L40A	Anamosa	28.02 0	P	P	19 53 59.6 -0.4
P57A	Homestead Farm	28.05 22	P	P	19 54 00.3 0.0
N52A	McGinn's Farm	28.09 16	P	P	19 54 00.3 -0.3
O55A	Ligonier	28.24 20	P	P	19 54 01.2 -0.8
N53A	Lisbon	28.32 17	eP	P	19 54 02.5 -0.2
N53A	Lisbon	28.32 17	P	P	19 54 02.1 -0.6
P58A	Pank, Wackersv	28.32 23	P	P	19 54 02.4 -0.4
SDMD	Soldier's Deli	28.43 24	eP	P	19 54 03.2 -0.5
M51A	Elyria	28.45 15	P	P	19 54 03.3 -0.6
OGNE	Ogallala	28.46 343	P	P	19 54 03.6 -0.5
PV01	Paradox Valley	28.51 331	eP	P	19 54 04.7 -0.1
O56A	Blue Knob Stat	28.54 21	P	P	19 54 04.3 -0.4
L48A	N Adams	28.55 11	P	P	19 54 04.3 -1.4
GLA	Glamis	28.58 316	eP	P	19 54 06.6 +1.4
GLA	Glamis	28.58 316	P	P	19 54 06.2 +1.0
PV02	Paradox Valley	28.65 331	eP	P	19 54 07.1 +1.1
PV13	Radium Mtn., P	28.65 331	eP	P	19 54 06.9 +0.9
SMCO	Snowmass	28.65 334	eP	P	19 54 06.6 +0.4
N54A	Moraine State	28.71 18	eP	P	19 54 05.9 -0.3
N54A	Moraine State	28.71 18	P	P	19 54 06.0 -0.2
PV05	Paradox Valley	28.72 330	eP	P	19 54 06.9 +0.3
PV03	Paradox Valley	28.74 331	eP	P	19 54 08.1 +1.3
PV18	Skein Mesa, Pa	28.76 331	eP	P	19 54 08.2 +1.2
P59A	Jarrettsville	28.77 24	P	P	19 54 07.1 +0.4
PV12	Saucer Basin,	28.77 331	eP	P	19 54 08.6 +1.6
PV11	David Mesa, Pa	28.79 331	eP	P	19 54 08.7 +1.5
PV07	Paradox Valley	28.79 331	eP	P	19 54 08.3 +1.1
Y12C	Blythe	28.80 317	P	P	19 54 08.3 +1.2
PV17	East Wray Mesa	28.82 330	eP	P	19 54 08.7 +1.3
PV16	Nyswonger Mesa	28.82 331	eP	P	19 54 08.8 +1.3
O57A	Amberson	28.82 22	P	P	19 54 07.1 -0.1
PV19	Morning Glory	28.85 330	eP	P	19 54 08.3 +0.5
M52A	Chesterland	28.86 16	P	P	19 54 06.8 -0.7
PV20	West Nyswonger	28.87 331	eP	P	19 54 09.1 +1.2
PV04	Paradox Valley	28.88 331	eP	P	19 54 09.1 +1.1
JFWS	Jewell Farm	28.89 2	P	P	19 54 06.4 -1.4
PDMCI	Parker Dam,Lak	28.89 319	P	P	19 54 08.9 +1.0
PV14	Lion Creek, Pa	28.92 331	eP	P	19 54 09.6 +1.2
PV10	Paradox Valley	28.93 331	eP	P	19 54 09.0 +0.5
PV22	Blue Mesa, Pa	28.94 331	eP	P	19 54 10.2 +1.7
PV23	Carpenter Ridg	28.98 331	eP	P	19 54 10.5 +1.6
O58A	Lewisberry	29.01 23	P	P	19 54 08.4 -0.5
PV21	Cone Mtn., Par	29.05 331	eP	P	19 54 10.3 +0.8
PV09	Paradox Valley	29.07 331	eP	P	19 54 11.6 +1.8
SSPA	Standing Stone	29.11 21	eP	P	19 54 09.8 +0.1
SSPA	Standing Stone	29.11 21	P	P	19 54 09.7 -0.1
U15A	North Rim	29.18 324	eP	P	19 54 12.1 +1.3
SWSC	Sam W. Stewart	29.19 315	P	P	19 54 11.6 +1.1
N56A	West Decatur	29.21 21	P	P	19 54 10.7 0.0
W13A	Hualapai Mount	29.24 320	eP	P	19 54 13.1 +1.8
P60A	Greenville	29.26 25	P	P	19 54 11.3 +0.2
M54A	Oil Creek Stat	29.31 18	P	P	19 54 10.8 -0.7
N57A	Milroy	29.33 22	P	P	19 54 11.1 -0.6
BC3	Big Chuckawall	29.36 316	P	P	19 54 12.7 +0.5
IRM	Iron Mountain	29.46 317	P	P	19 54 14.0 +1.0
O59A	Robesonia	29.46 24	P	P	19 54 13.3 +0.4
NNA	Nana	29.52 150	LR	LR	20 04 48.9
M55A	Ridgway	29.55 19	P	P	19 54 13.5 -0.2
MONP2	Monument Peak	29.59 314	P	P	19 54 15.7 +1.3
J47A	Sunmer	29.74 10	P	P	19 54 15.6 +0.3
M56A	Emporium	29.76 20	P	P	19 54 14.6 -1.0
KNB	Kanab	29.90 324	eP	P	19 54 18.2 +1.2
PKCU	Pink Cliffs	29.91 325	eP	P	19 54 18.1 +0.8
BELC	Belle Mtn. Jos	29.93 316	P	P	19 54 18.6 +1.3
O20A	White River Ci	29.99 334	P	P	19 54 17.4 -0.4
LDFC	Landfair	30.00 319	eP	P	19 54 19.9 +2.1
PFO	Pinyon Flats O	30.02 315	P	P	19 54 18.6 +0.5
ECSD	EROS Data Cent	30.03 352	P	P	19 54 17.5 -0.4
LUPA	Lehigh Univers	30.03 25	P	P	19 54 17.9 -0.1
LCMT	Little Creek M	30.14 324	eP	P	19 54 20.9 +1.8
N59A	State Game Lan	30.14 24	P	P	19 54 18.6 -0.3
GMRC	Granite Mounta	30.17 318	P	P	19 54 20.1 +0.7
SRU	San Rafael Swe	30.23 330	eP	P	19 54 20.9 +1.0
M58A	Price's Panora	30.23 27	P	P	19 54 19.9 -0.2
MTPU	Mount Pierson	30.28 326	eP	P	19 54 22.2 +1.6
L55A	Hinsdale	30.30 19	P	P	19 54 19.9 -0.5
N60A	Cedar Hill Far	30.37 25	P	P	19 54 20.7 -0.2
Q16A	Castle Valley	30.40 329	eP	P	19 54 21.8 +0.3
ZSCU	Shurtz Canyon	30.45 325	eP	P	19 54 22.4 +0.5
CCUT	Cedar City	30.58 324	eP	P	19 54 24.0 +0.9
H43A	Windswept, Lux	30.59 5	P	P	19 54 22.5 -0.3
K54A	Basiliko Farm,	30.61 19	P	P	19 54 22.9 -0.1
P17A	Butcher Ranch,	30.61 330	eP	P	19 54 24.7 +1.5

HEC	Hector,Ludlow	30.64 317	P	P	19 54 25.0 +1.5
J52A	Paris	30.68 16	P	P	19 54 22.8 -0.8
TYNO	Tyneside	30.70 17	P	P	19 54 23.6 -0.2
TMUT	Trail Mountain	30.71 329	eP	P	19 54 24.7 +0.4
TUQ	Turquoise Moun	30.74 318	P	P	19 54 25.9 +1.5
M59A	Waymart	30.81 24	P	P	19 54 24.9 +0.1
TCRU	Three Creeks R	30.83 327	eP	P	19 54 27.4 +2.1
RWWY	Rawlins	30.88 337	eP	P	19 54 26.4 +0.7
K55A	Ferry	30.91 19	P	P	19 54 24.9 -0.8
SPHR	Sheep Range	30.94 321	eP	P	19 54 27.6 +1.4
PAL	Palisades	30.99 26	P	P	19 54 25.9 -0.4
I51A	Litowel	31.06 15	P	P	19 54 25.9 -1.1
L58A	Harry Jones Me	31.08 23	P	P	19 54 26.9 -0.3
BASO	Ashfield	31.11 14	P	P	19 54 26.5 -0.9
BINY	Binghamton	31.16 22	P	P	19 54 27.8 -0.1
MEDO	Medina	31.18 18	P	P	19 54 28.2 +0.1
BFSC	Mount Baldy Ra	31.20 315	P	P	19 54 29.5 +1.0
G40A	Rib Lake	31.25 2	P	P	19 54 27.9 -0.7
G39A	Holcombe	31.25 0	P	P	19 54 27.8 -0.8
BWLO	Walkerton	31.33 14	P	P	19 54 28.7 -0.6
G45A	Suttons Bay	31.38 8	P	P	19 54 29.5 -0.3
K22A	Casper	31.45 338	eP	P	19 54 31.3 +0.6
K22A	Casper	31.45 338	P	P	19 54 31.0 +0.4
J55A	Hilton	31.48 19	P	P	19 54 29.8 -0.8
PSUT	Pin Spring	31.55 325	eP	P	19 54 32.7 +1.1
DRWO	Darlington Wes	31.75 18	P	P	19 54 32.3 -0.7
DRCO	St. Marys Ceme	31.76 18	P	P	19 54 32.4 -0.7
KSCT	Kent School, K	31.76 26	eP	P	19 54 32.0 -1.2
EDWZ	Edwards Air Fo	31.79 316	P	P	19 54 34.4 +0.8
WLVO	Wesleyville	31.89 18	P	P	19 54 33.6 -0.6
TPNV	Topoph Spring	31.89 320	eP	P	19 54 35.6 +1.0
TPNV	Topoph Spring	31.89 320	P	P	19 54 34.4 -0.2
LRMC	Laurel Mtn Rad	31.92 317	P	P	19 54 35.3 +0.5
FURC	Furnace Creek,	31.98 319	P	P	19 54 35.8 +0.7
CTU	Camp Tracy	32.04 330	eP	P	19 54 37.3 +1.4
MPMC	Manual Prospect	32.13 318	P	P	19 54 37.0 +0.2
DUG	Dugway, Tooele	32.20 328	eP	P	19 54 38.5 +1.4
DUG	Dugway, Tooele	32.20 328	P	P	19 54 37.1 -0.1
TCUT	Toone Canyon	32.21 331	eP	P	19 54 39.0 +1.6
PECO	Prince Edward	32.34 20	P	P	19 54 37.5 -0.7
I55A	Frankford	32.37 19	P	P	19 54 37.2 -1.3
R11A	Troy Canyon, C	32.41 323	eP	P	19 54 40.9 +1.8
R11A	Troy Canyon, C	32.41 323	P	P	19 54 39.4 +0.3
SADO	Sadova	32.45 16	LR	LR	20 08 49.4
SADO	Sadova	32.45 16	eP	P	19 54 37.5 -1.6
E43A	Lone Tree Farm	32.55 6	P	P	19 54 39.0 -1.0
F48A	Evansville	32.64 11	P	P	19 54 40.3 -0.5
DELO	Deloro Mine	32.66 18	eP	P	19 54 40.4 -0.7
DELO	Deloro Mine	32.66 18	P	P	19 54 39.9 -1.1
HWUT	Hardware Ranch	32.67 331	eP	P	19 54 42.1 +0.7
F49A	Sandfield	32.69 12	P	P	19 54 39.8 -1.4
BW06	Boulder Array	32.72 335	P	P	19 54 42.0 +0.1
KLBO	Killbear Provi	32.72 15	P	P	19 54 40.9 -0.7
PD31	Pinedale Array	32.72 335	eP	P	19 54 42.4 +0.5
PD31	Pinedale Array	32.72 335	eScP	P	20 01 12.9 +4.5
PDAR	Pinedale Array	32.72 335	eScP	ScP	19 54 42.4 +0.5
PDAR	Pinedale Array	32.72 335	ScP	ScP	20 01 12.9 +4.5
H55A	Tweed	32.83 19	P	P	19 54 41.4 -1.1
BGU	Big Grassy Mou	32.85 329	eP	P	19 54 44.3 +1.3
SPUT	South Promonto	32.86 330	eP	P	19 54 44.3 +1.3
E46A	Sault Ste Mari	32.87 9	P	P	19 54 41.9 -1.0
G53A	Hallerton	32.92 17	P	P	19 54 42.3 -1.0
BUKO	Buck Lake	33.01 16	P	P	19 54 43.0 -1.0
BANO	Bancroft	33.03 18	P	P	19 54 43.7 -0.5
PKM	Mcherson Peak	33.04 314	P	P	19 54 45.1 +0.3
ACCN	Adirondack Com	33.06 24	eP	P	19 54 44.1 -0.4
E47A	River Bridge	33.13 10	P	P	19 54 43.2 -1.9
H56A	Elgin	33.17 20	P	P	19 54 44.9 -0.5
PLVO	Plevna	33.30 19	P	P	19 54 45.3 -1.3
PLVO	Plevna	33.30 19	P	P	19 54 46.1 -0.6
F51A	Arnsstein	33.33 15	P	P	19 54 45.0 -1.8
NCB	Newcomb	33.35 23	eP	P	19 54 45.4 -1.6
E48A	Lockeyer	33.36 12	P	P	19 54 46.5 -0.6
HVU	Hansel Valley	33.37 330	eP	P	19 54 47.5 0.0
D46A	Sault St. Mari	33.43 9	P	P	19 54 46.8 -0.9
E50A	Wahnapitae	33.60 13	P	P	19 54 47.5 -1.7
G55A	Calabogie	33.61 19	P	P	19 54 48.6 -0.7
D47A	Chapleau	33.74 10	P	P	19 54 48.7 -1.7
LONY	Lake Ozonia	33.77 22	eP	P	19 54 50.0 -0.7
LONY	Lake Ozonia	33.77 22	P	P	19 54 49.8 -0.9
SNOW	Snow King Moun	33.79 334	eP	P	19 54 51.9 +0.7
PEMO	Pembroke	33.83 18	P	P	19 54 50.1 -1.1
ALGO	Algonquin Park	33.84 17	P	P	19 54 50.3 -1.0
LOHW	Long Hollow	33.85 335	eP	P	19 54 52.2 +0.5
ELK	Elko	33.86 327	LR	LR	20 10 30.4

ELK	Elko	33.86 327	eP	P	19 54 53.6 +1.7
TPAW	Teton Pass	33.90 334	eP	P	19 54 53.2 +1.1
EYMN	Ely	33.91 360	P	P	19 54 50.1 -1.8
E52A	Mattawa	33.98 16	P	P	19 54 51.1 -1.4
NV11	Mina Array Sit	34.00 321	eP	P	19 54 54.5 +1.5
E51A	G1948 Merrick	34.00 15	P	P	19 54 51.4 -1.3
MOOW	Moos Woods	34.02 335	eP	P	19 54 53.5 +0.4
OMMB	Old Mammoth Si	34.03 319	eP	P	19 54 55.0 +1.5
FXWY	Fox Creek	34.05 334	eP	P	19 54 54.2 +0.8
NV01	Mina Array Sit	34.09 321	eP	P	19 54 55.9 +2.0
NV01	Mina Array Sit	34.09 321	eScP	ScP	20 01 18.9 +5.6
NV01	Mina Array Sit	34.09 321	eScP	ScP	19 54 55.9 +2.0
NVAR	Mina Array Bea	34.09 321	eP	P	19 57 30.7 -0.2
NVAR	Mina Array Bea	34.09 321	eP	P	20 01 18.9 +5.6
NVAR	Mina Array Bea	34.09 321	ScP	ScP	20 01 18.9 +5.6
NVAR	Mina Array Bea	34.09 321	ScP	ScP	20 10 32.0
ORIO	Orleans, Innes	34.17 20	P	P	19 54 53.8 -0.4
VT1	Waterbury	34.22 24	eP	P	19 54 53.8 -0.8
IMW	Indian Meadow	34.22 335	eP	P	19 54 55.2 +0.1
F55A	Other Lake	34.24 19	P	P	19 54 53.8 -0.9
D49A	Beulah Townshi	34.28 12	P	P	19 54 53.7 -1.4
FLWY	Flagg Ranch	34.28 335	eP	P	19 54 55.8 +0.4

Table with columns: J01E Myrtle Point, C09A Chrisman Ranch, H04D Liberton, F05D White Salmon, I02D Swisshome, G03D McMinnville, LTY Liberty, B08A Colville Reser, LON Longmin, F04D Rainier, E04D Cinebar, C06D Leavenworth, D05A Enunclaw, SIV San Ignacio, B05A Bryant, D03D Eldon, NLWA Neilton Lookou, A04D Lummi, PGC Sidney, LLLB Lillooet, SCHQ Schefferville, SCHQ, SKHO Schefferville, YKA Yellowknife, YKA, YKB5 Yellowknife Ar, YKB5 Yellowknife Ar, YKW3 Yellowknife Ar, CPUB Villa Florida, BDFB Brasilia, DLBC Dease Lake, DLBC Dease Lake, TAOE Nuku Hiva Isla, RKT Rikitea, HYT Haines Junctio, PLCA Paso Flores, PCA Pinnacle, CRQM Cirqu, DAWY Dawson, EPK Eagle Plains, INK Inuvik, INK Inuvik, EGAK Eagle, MENT Mentasta, GLI Port Fidalgo, FID Glacier Island, SCRK Sand Creek, PAX Paxson, RIDG Independent Ri, SCM Sheep Creek M, SEW Seward, KNK Knik Glacier, SML Sawmill, PMR Palmer, RC01 Rabbit Creek A, PMOR Pomariorio Ree, BRLK Bradley Lake, HDA Harding Lake, ILAR Eielson Array, ILAR, ILB Eielson Array, ILB, RND Reindeer, CCB Clear Creek B, WRH Wood River Hill, POKR Poker Plat Res, MCK McKinley, TCOL CIGO, UAF Yank, BWN Browne, RSO Redoubt South, MEH Metheta, KTH Kantishna Hill, BPAW Bear Paw Mtn, PPLA Purkelle, CAST Castle Rocks, MLY Manley, PPT Papeete, PPT2 Papeete2, PPT2 Papeete2, COLD Coldfoot, SVW2 Sparrevohn, SUMG Summit, SUMG Summit, TTA Talatina, TBI Tubuai

Table with columns: TBI Tubuai, DAG Danmarks Havn, ADK Adak, ESCD Sonseca Array, NOA NORSAR Array B, DBIC Dimboko, ARAO ARCES Array B, ARCES ARCES Array B, GERES GRESS Array B, TOA1 Torodi Arr. Sit, TORD Torodi Arr. Bea, TORD, FINES FINESS Array B, PETK Petropavlovsk, KURBB Kurchatov Arra, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, HHC Hu-ho-hao-te, WMQ Urumqi, WMQ, WMQ, KSH Kashi, NJ2 Nanjing, GTA Gaotai, LZH Lanzhou, AS31 Alice Springs, ASAR Alice Springs, CHTO Chiang Mai, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR

GCG 18 19:52:06.6,0.3, 14.09N-91.55W, h122km, 56km, MD4.0, Guatemala

Table with columns: Code Station Name, A° AZ°, Phase ID, Time Res, STG3 Santiago 3, FUG Fuego 3, PCG Pacaya, PCG, JMA 18 19:52:24.6,0.1, 37.33N-141.64E, h433km, 2km, M3.7, Near east coast of eastern Honshu

Table with columns: Code Station Name, A° AZ°, Phase ID, Time Res, SQA Sankt Quirin, SQA, SQA, MOTA Moosalm, MOTA, WATA Walderalm, WATA, WTTA Wattenberg, WTTA, VIE 18 19:59:55.4,0.8, 47.26N-11.30E, h14km, 4km, m10.8/4, Error ellipse: s-maj=4.5km s-min=2.0km az=8.0, Austria

Table with columns: Code Station Name, A° AZ°, Phase ID, Time Res, JMSJB 18 20:04:23.0, 0.8, 6.15S:0.05:145.36E:0.06, h83km, 8km, mb4.3/20, Error ellipse: s-maj=9.4km s-min=8.0km az=7.1, IDC 18 20:04:24.1, 0.7, 6.11S:145.50E, h78km, 7km, mb4.1/10, mb1 4.2/13, mb1mx4.0/32, mbtmp4.4/13, MS2.9/1, Ms1 2.9/1, ms1mx2.4/21, Error ellipse: s-maj=2.12km s-min=9.4km az=70.0, NEIC 18 20:04:25.0, 1.9, 6.13S:145.40E, h86km, 6km, mb4.4/16, Error ellipse: s-maj=15.5km s-min=8.5km az=98.0, DJA 18 20:04:27.1, 0.4, 6.54S:14.5E, h66km, 12km, M4.8/9, mb5.52, mb4.79, MLV4.9/6, MW(m)5.0/2, ISC 18 20:04:24.1, 0.6, 6.16S:145.32E:0.07, h74km, 6km, h74km, 6km, P, n49, e119/54, mb4.5/21, New Guinea

Table with columns: BATI Baumata, BATI Baumata, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, USRK USSuriysk Arr, USRK, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, PETK Petropavlovsk, PEA1 Petropavlovsk, LSA Lhasa, SONAO Songino Array, SONAO Songino Array, VYDA Yanda, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MAZK Makanchi, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, NUR Nilore, KURKB Kurchatov, CHGR Chuyangaron, RND Reindeer, WRH Wood River Hill, CCB Clear Creek Bu, BRVK Borovoye, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, ABKAR Akbulak array, GERES GRESS Array B, TORD Torodi Arr. Bea, TORD Torodi Arr. Sit, DBIC Dimboko

IDC 18 20:06:57.8, 2.3, 43.44N:105.31W, h0km, mb4.1/2, mb1 4.1/4, mb1mx3.6/36, mbtmp4.0/4, ML3.8/2, Error ellipse: s-maj=59.2km s-min=8.6km az=154.0, ISCJB 18 20:06:59.2, 0.4, 43.67N:103.105:29W:0.05, h0km, Error ellipse: s-maj=5.8km s-min=3.6km az=10.9, ANF 18 20:06:59.4, 1.3, 43.68N:105.35W, ML3.7/6, Error ellipse: s-maj=22.1km s-min=10.2km az=133.0, NEIC 18 20:07:03.0, 4.3, 43.45N:106.01W, h0km, ML3.4, Error ellipse: s-maj=5.0km s-min=4.2km az=199.0, Suspected Mining explosion, NEIC 23 km [14 miles] E of Midwest, ISC 18 20:06:59.3, 0.8, 43.68N:104.00:105.21W:0.05, h0km, n81, e132/76, Wyoming

Table with columns: Code Station Name, A° AZ°, Phase ID, Time Res, RSSD Black Hills, RSSD, K22A Casper, K22A Casper, K22A Casper, PHWY Pilot Hill, RWWY Rawlins, N23A Red Feather La, N23A, LAO Lasa Array, LAO, RLMT Red Lodge, RLMT, RLMT Red Lodge, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR, OGNE Ogallala, GCMT Greycliff, LOHW Long Hollow, HTTA Grant Village, FWBY Fremont, MOOW Moose Ponds, SNOW Snow King Moun, YFT Old Faithful, IMW Indian Meadow, PV17 Faton Bassin, O20A White River Ci, YHH Holmes Hill, FXWY Fox Creek, AHID Auburn Hatcher, SMCO Snowmass, BOZ Bonanza (W), HWUT Hardware Ranch, TCUT Tootie Canyon, DLMT Dillon, JLU Jordanelle, HRY Hires Resear, MCMT McKenzie Canyo, PV22 Blue Mesa, Par, PV07 Paradox Valley, PV21 Cone Mtn., Par, SPUT South Promonto, PV14 Faton Bassin, P17A Butcher Ranch, SDKO Great Sand Dun, PV23 Carpenter Ridg, PV09 Paradox Valley, PV04 Paradox Valley, PV07 Paradox Valley, MPU Maple Canyon, PV14 Lion Creek, Pa, PV10 Paradox Valley, PV20 West Nyswonger, PV11 David Mesa, Pa, PV15 Paradox Mesa, SRU San Rafael Swe, PV19 Morning Glory, PV03 Paradox Valley, PV02 Paradox Valley, PV03 Paradox Valley, PV01 Paradox Valley, PV18 Skein Mesa, Pa, PV13 Radium Mtn., P, ECSD EROS Data Cent, TMUT Trail Mountain

WVOR	Wild Horse Val	103.13	44	PFAKE	LR	LR	21 20 50.0 +13
WVOR	comp=Z,700nm,19.0s						
W18A	Petrified Fore	103.21	55	PFAKE	LR	LR	21 20 50.0 +12
W18A	comp=Z,500nm,20.0s						
TXAR	Lajitas Array	103.32	63	PKKPbc	PKKPbc	PKKPbc	21 36 32.3 +0.6
TXAR	comp=Z,0.2nm,0.5s,baz=81,slo=4.6,SNR=4.0						
MNTX	Cornudas Mount	103.72	60	PFAKE	LR	LR	21 20 50.0 +10
MNTX	comp=Z,500nm,18.0s						
ELK	Elko	103.79	47	PFAKE	LR	LR	21 20 50.0 +10
ELK	comp=Z,500nm,18.0s						
J08A	Circle Bar Ran	103.87	44	PFAKE	LR	LR	21 20 50.0 +10
J08A	comp=Z,600nm,19.0s						
NLWA	Neilton Lookou	104.11	38	PFAKE	LR	LR	21 20 50.0 +9.0
NLWA	comp=Z,700nm,20.0s						
Y22D	IRIS PASSCAL I	104.28	57	PFAKE	LR	LR	21 20 50.0 +7.8
Y22D	comp=Z,600nm,18.0s						
LSA	Lhasa	104.42	297	PFAKE	LR	LR	21 20 50.0 +6.6
LSA	comp=Z,300nm,20.0s						
LON	Longmire	104.61	40	PFAKE	LR	LR	21 20 50.0 +6.7
LON	comp=Z,600nm,19.0s						
CNPM	China Poot	104.66	17	PFAKE	LR	LR	21 20 50.0 +6.9
CNPM	comp=Z,800nm,20.0s						
HOM	Homert	104.69	17	PFAKE	LR	LR	21 20 50.0 +6.8
HOM	comp=Z,900nm,21.0s						
DUG	Dugway, Tooele	104.78	49	PFAKE	LR	LR	21 21 00.0 +16
DUG	comp=Z,400nm,22.0s						
D05A	Enumclaw	104.84	39	PFAKE	LR	LR	21 21 00.0 +16
D05A	comp=Z,500nm,18.0s						
DIB	Dawson Inlet,	104.91	30	PFAKE	LR	LR	21 21 00.0 +16
DIB	comp=Z,400nm,20.0s						
BRLK	Bradley Lake	104.96	17	PFAKE	LR	LR	21 21 00.0 +16
BRLK	comp=Z,700nm,21.0s						
G08A	Pilot Rock	104.97	42	PFAKE	LR	LR	21 21 00.0 +15
G08A	comp=Z,400nm,20.0s						
ANMO	Albuquerque	105.13	57	PFAKE	LR	LR	21 25 10.0 +10
ANMO	comp=Z,700nm,18.0s						
SVW2	Sparrevohn	105.20	15	PFAKE	LR	LR	21 25 10.0 +10
SVW2	comp=Z,300nm,20.0s						
GTA	Gaotai	105.27	309	eP	PKIKP	PKIKP	21 25 06.9 +6.4
GTA	comp=Z,2.0nm,1.0s			pP			21 25 10.3 +1.9
GTA				sP			21 25 13.1
GTA				pmax			
MFID	Camas Ranch	105.30	45	PFAKE	LR	LR	21 25 10.0 +10
MFID	comp=Z,400nm,21.0s						
ESTN	Estel	105.45	86	PFAKE	LR	LR	21 25 10.0 +8.5
ESTN	comp=Z,300nm,21.0s						
HAWA	Hanford	105.46	41	PFAKE	LR	LR	21 25 10.0 +10
HAWA	comp=Z,600nm,21.0s						
BMO	Blue Mountains	105.51	43	PFAKE	LR	LR	21 25 10.0 +9.3
BMO	comp=Z,600nm,20.0s						
LTY	Liberty	105.52	40	PFAKE	LR	LR	21 25 10.0 +9.4
LTY	comp=Z,600nm,18.0s						
GAMB	Gambell	105.59	6	PFAKE	LR	LR	21 25 10.0 +10
GAMB	comp=Z,500nm,21.0s						
SEW	Seward	105.59	18	PFAKE	LR	LR	21 25 10.0 +10
SEW	comp=Z,500nm,20.0s						
ACON	Acoyapa	105.62	88	PFAKE	LR	LR	21 25 10.0 +8.3
ACON	comp=Z,400nm,21.0s						
PV17	East Wray Mesa	105.76	53	PFAKE	LR	LR	21 25 10.0 +8.5
PV17	comp=Z,2um,21.0s						
E08A	Dider Farm, El	105.77	41	PFAKE	LR	LR	21 25 10.0 +9.0
E08A	comp=Z,700nm,22.0s						
H17A	Lion Creek, Pa	105.78	53	PFAKE	LR	LR	21 25 10.0 +8.4
H17A	comp=Z,600nm,20.0s						
PV16	Nyswonger Mesa	105.80	53	PFAKE	LR	LR	21 25 10.0 +8.4
PV16	comp=Z,600nm,18.0s						
BBB	Bella Bella	105.83	33	PFAKE	LR	LR	21 25 10.0 +9.1
BBB	comp=Z,400nm,21.0s						
PV23	Carpenter Ridg	105.84	53	PFAKE	LR	LR	21 25 10.0 +8.2
PV23	comp=Z,900nm,22.0s						
PV12	Saucer Basin,	105.88	53	PFAKE	LR	LR	21 25 10.0 +8.2
PV12	comp=Z,700nm,20.0s						
PV07	Paradox Valley	106.05	53	PFAKE	LR	LR	21 25 10.0 +7.9
PV07	comp=Z,900nm,21.0s						
KVTX	Kingsville	106.12	67	PFAKE	LR	LR	21 25 10.0 +7.8
KVTX	comp=Z,700nm,18.0s						
HLID	Hailey	106.15	46	PFAKE	LR	LR	21 25 10.0 +7.9
HLID	comp=Z,400nm,18.0s						
D08A	Wollman Farm,	106.23	41	PFAKE	LR	LR	21 25 10.0 +8.2
D08A	comp=Z,700nm,21.0s						
E09A	Wood Farm, Sta	106.23	42	PFAKE	LR	LR	21 25 10.0 +8.1
E09A	comp=Z,400nm,20.0s						
F10A	Beach Ranch, E	106.32	43	PFAKE	LR	LR	21 25 10.0 +7.8
F10A	comp=Z,400nm,18.0s						
RC01	Rabbit Creek A	106.40	17	PFAKE	LR	LR	21 25 10.0 +8.3
RC01	comp=Z,500nm,22.0s						
ESPN	Las Esperanzas	106.42	88	PFAKE	LR	LR	21 25 10.0 +6.9
ESPN	comp=Z,300nm,19.0s						
HWUT	Hardware Ranch	106.42	49	PFAKE	LR	LR	21 25 10.0 +7.4
HWUT	comp=Z,500nm,19.0s						
JCT	Junction City	106.64	64	PFAKE	LR	LR	21 25 10.0 +6.8
JCT	comp=Z,700nm,22.0s						
TTA	Tatalina	106.82	14	PFAKE	LR	LR	21 25 10.0 +7.5
TTA	comp=Z,400nm,20.0s						
GLI	Glacier Island	106.83	19	PFAKE	LR	LR	21 25 10.0 +7.5
GLI	comp=Z,400nm,21.0s						
MSTX	Muleshoe	106.86	59	PFAKE	LR	LR	21 25 20.0 +16
MSTX	comp=Z,500nm,20.0s						
FID	Port Fidalgo	106.86	19	PFAKE	LR	LR	21 25 10.0 +7.4
FID	comp=Z,500nm,20.0s						
B08A	Colville Reser	106.94	40	PFAKE	LR	LR	21 25 10.0 +6.8
B08A	comp=Z,500nm,18.0s						
KNK	Knik Glacier	106.98	18	PFAKE	LR	LR	21 25 10.0 +7.2
KNK	comp=Z,400nm,20.0s						
PMR	Palmer	106.98	17	PFAKE	LR	LR	21 25 10.0 +7.3
PMR	comp=Z,400nm,20.0s						
ANM	Nome	106.99	9	PFAKE	LR	LR	21 25 10.0 +7.3
ANM	comp=Z,400nm,21.0s						
RAGM	Ragged Mountai	107.00	20	PFAKE	LR	LR	21 25 10.0 +7.1
RAGM	comp=Z,700nm,20.0s						
HMT	Hamilton	107.06	20	PFAKE	LR	LR	21 25 10.0 +7.0
HMT	comp=Z,400nm,20.0s						

C09A	Chrisman Ranch	107.06	41	PFAKE	LR	LR	21 25 10.0 +6.6
C09A	comp=Z,800nm,22.0s						
ULN	Ulanbaatar	107.10	319	PFAKE	LR	LR	21 25 20.0 +16
ULN	comp=Z,200nm,20.0s						
LLBL	Lillooet	107.33	37	PFAKE	LR	LR	21 25 20.0 +16
LLBL	comp=Z,500nm,20.0s						
SML	Sawmill	107.35	18	PFAKE	LR	LR	21 25 10.0 +6.5
SML	comp=Z,400nm,20.0s						
AHID	Auburn Hatcher	107.44	48	PFAKE	LR	LR	21 25 20.0 +15
AHID	comp=Z,600nm,18.0s						
WRAK	Wrangeli Islan	107.47	28	PFAKE	LR	LR	21 25 20.0 +16
WRAK	comp=Z,600nm,20.0s						
PPLA	Purkeypyle	107.51	15	PFAKE	LR	LR	21 25 20.0 +16
PPLA	comp=Z,400nm,19.0s						
SDCO	Great Sand Dun	107.51	55	PFAKE	LR	LR	21 25 20.0 +15
SDCO	comp=Z,500nm,18.0s						
SMCO	Snowmass	107.52	53	PFAKE	LR	LR	21 25 20.0 +15
SMCO	comp=Z,600nm,19.0s						
SCM	Sheep Creek Mo	107.61	18	PFAKE	LR	LR	21 25 20.0 +16
SCM	comp=Z,400nm,20.0s						
CRQM	Cirque	107.71	20	PFAKE	LR	LR	21 25 20.0 +16
CRQM	comp=Z,600nm,20.0s						
PCA	Pinnacle	107.94	22	PFAKE	LR	LR	21 25 20.0 +15
PCA	comp=Z,600nm,19.0s						
NEW	Newport	107.94	41	PFAKE	LR	LR	21 25 20.0 +15
NEW	comp=Z,800nm,22.0s						
BCPM	Bancas Point	107.99	22	PFAKE	LR	LR	21 25 20.0 +15
BCPM	comp=Z,500nm,19.0s						
TPAW	Teton Pass	108.00	48	PFAKE	LR	LR	21 25 20.0 +14
TPAW	comp=Z,500nm,21.0s						
CAST	Castle Rocks	108.00	15	PFAKE	LR	LR	21 25 20.0 +15
CAST	comp=Z,400nm,19.0s						
ABTX	Ablene, Hawle	108.07	62	PFAKE	LR	LR	21 25 20.0 +14
ABTX	comp=Z,600nm,18.0s						
SNOW	Snow King Moun	108.09	48	PFAKE	LR	LR	21 25 20.0 +14
SNOW	comp=Z,600nm,19.0s						
JIS	Juneau Island	108.24	26	PFAKE	LR	LR	21 25 20.0 +15
JIS	comp=Z,800nm,21.0s						
IMW	Indian Meadow	108.27	47	PFAKE	LR	LR	21 25 20.0 +14
IMW	comp=Z,400nm,19.0s						
MOOW	Moose Ponds	108.28	47	PFAKE	LR	LR	21 25 20.0 +14
MOOW	comp=Z,500nm,18.0s						
BW06	Boulder Array	108.31	49	PFAKE	LR	LR	21 25 20.0 +14
BW06	comp=Z,600nm,18.0s						
PDAR	Pinedale Array	108.31	49	PP	PKKPab	PKKPab	21 25 32.6 +1.8
PDAR	comp=Z,1.8nm,1.1s,baz=216,slo=4.8,SNR=4.3						
BESE	Bessie Mountai	108.33	25	PFAKE	LR	LR	21 25 20.0 +15
BESE	comp=Z,600nm,20.0s						
KTH	Kantishna Hill	108.35	16	PFAKE	LR	LR	21 25 20.0 +15
KTH	comp=Z,700nm,21.0s						
FLWY	Flagg Ranch	108.52	47	PFAKE	LR	LR	21 25 20.0 +14
FLWY	comp=Z,400nm,22.0s						
MSO	Missoula	108.58	43	PFAKE	LR	LR	21 25 20.0 +14
MSO	comp=Z,800nm,20.0s						
RND	Reindeer	108.65	17	PFAKE	LR	LR	21 25 20.0 +14
RND	comp=Z,700nm,20.0s						
DHY	Denali Highway	108.68	17	PFAKE	LR	LR	21 25 20.0 +14
DHY	comp=Z,300nm,20.0s						
H17A	Grant Village	108.79	47	PFAKE	LR	LR	21 25 20.0 +13
H17A	comp=Z,600nm,19.0s						
BPAW	Bear Paw Mtn.	108.83	15	PFAKE	LR	LR	21 25 20.0 +14
BPAW	comp=Z,400nm,20.0s						
SKAG	Skagway	108.88	25	PFAKE	LR	LR	21 25 20.0 +14
SKAG	comp=Z,600nm,19.0s						
MCK	McKinley	108.92	16	PFAKE	LR	LR	21 25 20.0 +14
MCK	comp=Z,700nm,20.0s						
RWWY	Rawlins	108.97	51	PFAKE	LR	LR	21 25 20.0 +13
RWWY	comp=Z,600nm,18.0s						
BOZ	Bozeman (W)	108.99	46	PFAKE	LR	LR	21 25 20.0 +13
BOZ	comp=Z,400nm,21.0s						
LKWY	Lake	108.99	47	PFAKE	LR	LR	21 25 20.0 +13
LKWY	comp=Z,800nm,18.0s						
JTMT	Jette	109.01	43	PFAKE	LR	LR	21 25 20.0 +13
JTMT	comp=Z,600nm,22.0s						
HKT	Hockley	109.02	67	PFAKE			

N41A N41A	comp-Z,600nm,20.0s Harden Midland	118.48 60	PFAKE LR	LR	21 25 40.0 +15
DGZ V48A V48A	comp-Z,500nm,18.0s Jazz@ Alta Smith Brothers	118.48 312 118.54 66	PKIKP PFAKE LR	PKPdf	21 25 24.1 -1.1 21 25 40.0 +14
SWET SWET	comp-Z,400nm,22.0s Sewanee	118.87 67	PFAKE LR	LR	21 25 40.0 +14
L40A L40A	comp-Z,300nm,19.0s Anamosa	118.95 58	PFAKE LR	LR	21 25 40.0 +14
T47A T47A	comp-Z,500nm,18.0s Sharon Grove	119.01 65	PFAKE LR	LR	21 25 40.0 +14
CLTN CLTN	comp-Z,300nm,19.0s Cedars of Leba	119.06 66	PFAKE LR	LR	21 25 40.0 +13
USIN USIN	comp-Z,200nm,20.0s University of	119.14 64	PFAKE LR	LR	21 25 40.0 +13
W50A W50A	comp-Z,500nm,21.0s Signal Mountai	119.29 68	PFAKE LR	LR	21 25 40.0 +13
AGMN AGMN	comp-Z,300nm,19.0s Agassiz Nation	119.34 50	PFAKE LR	LR	21 25 40.0 +13
FFC FFC	comp-Z,600nm,20.0s Flin Flon	119.36 41	PFAKE LR	LR	21 25 40.0 +13
FFC HDIL HDIL	comp-Z,400nm,19.0s Flin Flon Hopedale	119.36 41 119.41 60	PKIKP PFAKE LR	PKIKP	21 25 27.0 +0.4 21 25 40.0 +13
Y52A Y52A	comp-Z,500nm,18.0s Liburn	119.45 69	PFAKE LR	LR	21 25 40.0 +13
154A 154A	comp-Z,300nm,20.0s Montrose	119.46 71	PFAKE LR	LR	21 25 40.0 +13
SPMN SPMN	comp-Z,200nm,20.0s Marine on St.	119.59 54	PFAKE LR	LR	21 25 40.0 +13
GOGA GOGA	comp-Z,500nm,18.0s Godfrey	119.63 70	PFAKE LR	LR	21 25 40.0 +12
L42A L42A	comp-Z,300nm,19.0s Oliver, Polo	119.92 59	PFAKE LR	LR	21 25 40.0 +12
MKAR MKAR	comp-Z,600nm,19.0s Makanchi Array	119.94 308	PKP PKP	PKPdf	21 25 25.9 -2.1
CPCT CPCT	comp-Z,1.3nm,0.5s,baz=207,slow=2.0,SNR=22 Cooper Cave	119.67 68	PKPKPab PFAKE LR	PKPKPbc	21 35 38.6 +1.8
JFWS JFWS	comp-Z,0.3nm,0.6s,baz=313,slow=3.5,SNR=3.7 Jewell Farm	120.01 58	PFAKE LR	LR	21 25 40.0 +12
MAK2 MAK2 T49A T49A	comp-Z,400nm,20.0s Makanchi Edmonton	120.14 307 120.14 66	ePKP PKIKP PFAKE LR	PKPdf PKPdf	21 25 26.5 -1.9 21 25 40.0 +11
W52A W52A	comp-Z,400nm,20.0s Murphy	120.20 68	PFAKE LR	LR	21 25 40.0 +11
WCI WCI	comp-Z,300nm,19.0s Wyandotte Cave	120.21 64	PFAKE LR	LR	21 25 40.0 +11
KSH KSH V51A V51A	comp-Z,500nm,18.0s Kashi	120.25 298	ePKP PKS PFAKE LR	PKIKP PKSdf	21 25 29.4 +0.4 21 29 03.5 -2.2 21 25 40.0 +11
ULM ULM	comp-Z,300nm,20.0s Lac du Bonnet	120.31 48	PKP PFAKE LR	PKIKP	21 25 28.9 +0.3
SDDR SDDR	comp-Z,2.1nm,0.5s,baz=291,slow=1.5,SNR=3.1 Pres de Saban	120.42 91	PFAKE LR	LR	21 25 40.0 +10
BLO BLO	comp-Z,1.1um,22.0s Bloomington	120.54 63	PFAKE LR	LR	21 25 40.0 +11
M44A M44A	comp-Z,600nm,20.0s Midewin, Midew	120.65 60	PFAKE LR	LR	21 25 40.0 +10
SFIN SFIN	comp-Z,500nm,18.0s Lafayette	120.77 62	PFAKE LR	LR	21 25 40.0 +10
KDJ KDJ	comp-Z,500nm,21.0s Kajisay	120.78 301	PFAKE LR	LR	21 25 40.0 +10
I41A I41A	comp-Z,200nm,19.0s Arkdale	120.82 57	PFAKE LR	LR	21 25 40.0 +10
V52A V52A	comp-Z,500nm,18.0s Sevierville	120.82 68	PFAKE LR	LR	21 25 40.0 +10
BG3 BG3	comp-Z,300nm,18.0s Lake Jocassee	120.84 69	PFAKE LR	LR	21 25 40.0 +10
HODGE HODGE	comp-Z,200nm,18.0s Hodges	120.92 70	PFAKE LR	LR	21 25 40.0 +10
R49A R49A	comp-Z,400nm,18.0s Shelbyville	121.00 65	PFAKE LR	LR	21 25 40.0 +10
E38A E38A	comp-Z,400nm,19.0s The Farm, Brul	121.03 53	PFAKE LR	LR	21 25 40.0 +10
K43A K43A	comp-Z,800nm,19.0s Burlington	121.12 59	PFAKE LR	LR	21 25 40.0 +10
NRN NRN	comp-Z,500nm,20.0s Naryn	121.20 300	PFAKE LR	LR	21 25 40.0 +8.9
G40A G40A	comp-Z,300nm,20.0s Rib Lake	121.20 55	PFAKE LR	LR	21 25 40.0 +9.4
TZTN TZTN	comp-Z,400nm,18.0s Tazewell	121.22 67	PFAKE LR	LR	21 25 40.0 +9.1
I42A I42A	comp-Z,400nm,21.0s Draeger Farm,	121.33 57	PFAKE LR	LR	21 25 40.0 +9.2
P48A P48A	comp-Z,400nm,18.0s Milroy	121.42 63	PFAKE LR	LR	21 25 40.0 +8.9
PAULI PAULI	comp-Z,600nm,20.0s Pauline	121.54 70	PFAKE LR	LR	21 25 40.0 +8.5
R50A R50A	comp-Z,300nm,22.0s Paris	121.56 65	PFAKE LR	LR	21 25 40.0 +8.5
JSC JSC	comp-Z,400nm,18.0s Jenkinsville	121.65 70	PFAKE LR	LR	21 25 40.0 +8.3
EYMN EYMN	comp-Z,300nm,18.0s Ely	121.71 52	ePKP PFAKE LR	PKIKP	21 25 31.8 +0.4
S51A S51A	comp-Z,400nm,20.0s Beattyville	121.74 66	PFAKE LR	LR	21 25 40.0 +8.2
T52A T52A	comp-Z,400nm,20.0s Hallie	121.89 67	PFAKE LR	LR	21 25 40.0 +7.8
ZAAO ZAAO	comp-Z,400nm,20.0s Zalesovo Array	122.00 316	PFAKE LR	LR	21 25 40.0 +8.2
ZALV ZALV	comp-Z,200nm,19.0s Zalesovo Beam	122.00 316	PKP PKP	PKPdf	21 25 29.5 -2.1
KMSC KMSC	comp-Z,0.9nm,0.4s,baz=170,slow=3.6,SNR=4.5 Kings Mountain	122.04 70	PFAKE LR	LR	21 25 40.0 +7.5
L46A L46A	comp-Z,300nm,21.0s Eue Claire	122.10 60	PFAKE LR	LR	21 25 40.0 +7.6
Y57A Y57A	comp-Z,400nm,19.0s Sumter	122.13 71	PFAKE LR	LR	21 25 40.0 +7.3

COWI COWI	Conover	122.26 55	PFAKE LR	LR	21 25 40.0 +7.4
H43A H43A	comp-Z,700nm,20.0s Windswept, Lux	122.33 57	PFAKE LR	LR	21 25 40.0 +7.2
BIRD BIRD	comp-Z,400nm,18.0s Birdtown, Kers	122.40 70	PFAKE LR	LR	21 25 40.0 +6.8
U54A U54A	comp-Z,300nm,19.0s Nelsons Funny	122.40 68	PFAKE LR	LR	21 25 40.0 +6.7
KMBO KMBO	comp-Z,200nm,20.0s Kilima Mbo	122.47 234	PKP PKP	PKIKP	21 25 34.6 +0.2
O49A O49A	comp-Z,2.7nm,0.6s,baz=78,slow=2.6,SNR=10.0 Kilima Mbo	122.47 234	ePKP PFAKE LR	PKIKP	21 25 34.6 +0.2
Q49A Q49A	comp-Z,800nm,18.0s Covington	122.50 63	PFAKE LR	LR	21 25 40.0 +6.7
Y58A Y58A	comp-Z,700nm,21.0s Scranton	122.58 72	PFAKE LR	LR	21 25 40.0 +6.4
Q51A Q51A	comp-Z,400nm,19.0s Peebles	122.60 65	PFAKE LR	LR	21 25 40.0 +6.5
J45A J45A	comp-Z,500nm,18.0s Montague	122.72 59	PFAKE LR	LR	21 25 40.0 +6.4
FRU1 FRU1	comp-Z,500nm,18.0s Bishkek	122.76 300	PFAKE LR	LR	21 25 50.0 +16
AAK AAK	comp-Z,300nm,21.0s Ala-Archa	122.77 300	PFAKE LR	LR	21 25 50.0 +16
AAK AAK	comp-Z,300nm,20.0s Ala-Archa	122.77 300	ePKIKP pmax	PKIKP	21 25 34.2 +0.3
M48A M48A	comp-Z,5.0nm,1.7s Edgerton	122.88 61	PFAKE LR	LR	21 25 50.0 +16
N49A N49A	comp-Z,500nm,20.0s Columbus Grove	122.96 62	PFAKE LR	LR	21 25 50.0 +16
V56A V56A	comp-Z,600nm,19.0s Mocksville	122.97 69	PFAKE LR	LR	21 25 50.0 +16
W57A W57A	comp-Z,400nm,20.0s Gilead	122.99 70	PFAKE LR	LR	21 25 50.0 +16
P51A P51A	comp-Z,300nm,19.0s Williamsport	123.02 64	PFAKE LR	LR	21 25 50.0 +16
D41A D41A	comp-Z,400nm,21.0s Chassel	123.05 54	PFAKE LR	LR	21 25 50.0 +16
C40A C40A	comp-Z,700nm,18.0s Isle Royale Na	123.09 53	PFAKE LR	LR	21 25 50.0 +16
I45A I45A	comp-Z,500nm,21.0s Fountain	123.10 58	PFAKE LR	LR	21 25 50.0 +16
X58A X58A	comp-Z,600nm,19.0s Rowland	123.15 71	PFAKE LR	LR	21 25 50.0 +15
R53A R53A	comp-Z,300nm,20.0s Hurricane	123.21 66	PFAKE LR	LR	21 25 50.0 +15
ACSO ACSO	comp-Z,500nm,18.0s Alum Creek Sta	123.43 64	PFAKE LR	LR	21 25 50.0 +15
J47A J47A	comp-Z,700nm,22.0s Summer	123.64 60	PFAKE LR	LR	21 25 50.0 +15
E43A E43A	comp-Z,500nm,19.0s Lone Tree Farm	123.70 55	PFAKE LR	LR	21 25 50.0 +15
BLA BLA	comp-Z,700nm,19.0s Blacksburg	123.72 68	PFAKE LR	LR	21 25 50.0 +14
GAR GAR	comp-Z,300nm,18.0s Garm	123.81 295	PFAKE LR	LR	21 25 50.0 +14
KURK KURK G45A G45A	comp-Z,500nm,20.0s Kurchatov Kurchatov Suttons Bay	123.93 310 123.93 310 123.93 57	ePKP PKP PFAKE LR	PKPdf PKPdf	21 25 33.5 -1.9 21 25 33.8 -1.6 21 25 50.0 +14
M50A M50A	comp-Z,500nm,18.0s Fremont	123.95 62	PFAKE LR	LR	21 25 50.0 +14
AAM AAM	comp-Z,600nm,20.0s Ann Arbor	123.96 61	PFAKE LR	LR	21 25 50.0 +14
BTK BTK	comp-Z,400nm,20.0s Batken	123.97 296	PFAKE LR	LR	21 25 50.0 +14
O52A O52A	comp-Z,200nm,20.0s Adamsville	124.15 64	PFAKE LR	LR	21 25 50.0 +13
P53A P53A	comp-Z,500nm,18.0s Whipple	124.15 65	PFAKE LR	LR	21 25 50.0 +13
N51A N51A	comp-Z,300nm,20.0s Ashland	124.17 63	PFAKE LR	LR	21 25 50.0 +13
I47A I47A	comp-Z,600nm,21.0s Gladwin	124.20 59	PFAKE LR	LR	21 25 50.0 +14
Q54A Q54A	comp-Z,500nm,18.0s Coxs Mills	124.29 66	PFAKE LR	LR	21 25 50.0 +13
J48A J48A	comp-Z,400nm,18.0s Bridge Port	124.30 60	PFAKE LR	LR	21 25 50.0 +13
T57A T57A	comp-Z,500nm,21.0s Hurt	124.43 69	PFAKE LR	LR	21 25 50.0 +13
CHGR CHGR	comp-Z,400nm,20.0s Chuyangaron	124.44 294	PFAKE LR	LR	21 25 50.0 +13
R55A R55A	comp-Z,700nm,20.0s Marlinton	124.45 67	PFAKE LR	LR	21 25 50.0 +13
E44A E44A	comp-Z,400nm,18.0s Grand Marais A	124.48 56	PFAKE LR	LR	21 25 50.0 +13
GLMI GLMI	comp-Z,500nm,19.0s Grayling	124.49 58	PFAKE LR	LR	21 25 50.0 +13
K50A K50A	comp-Z,500nm,21.0s Casco	124.86 61	PFAKE LR	LR	21 25 50.0 +12
S57A S57A	comp-Z,1.1um,19.0s Dark Hollow, R	125.00 68	PFAKE LR	LR	21 25 50.0 +12
FCC FCC	comp-Z,300nm,19.0s Fort Churchill	125.08 40	PFAKE LR	LR	21 25 50.0 +12
M52A M52A	comp-Z,600nm,20.0s Chesterland	125.13 63	PFAKE LR	LR	21 25 50.0 +12
U59A U59A	comp-Z,600nm,20.0s Littleton	125.14 70	PFAKE LR	LR	21 25 50.0 +11
N53A N53A	comp-Z,400nm,18.0s Lisbon	125.14 64	PFAKE LR	LR	21 25 50.0 +12
V60A V60A	comp-Z,600nm,21.0s Jim Taylor Roa	125.23 71	PFAKE LR	LR	21 25 50.0 +11
I49A I49A	comp-Z,300nm,21.0s Point Hope	125.25 60	PFAKE LR	LR	21 25 50.0 +11
H48A H48A	comp-Z,400nm,21.0s Harrisville	125.26 59	PFAKE LR	LR	21 25 50.0 +11
MCWV MCWV	comp-Z,400nm,20.0s Mont Chateau	125.29 66	PFAKE LR	LR	21 25 50.0 +11
RCBR RCBR	comp-Z,200nm,18.0s Riachuelo	125.31 142	PFAKE LR	LR	21 25 50.0 +10
E46A E46A	comp-Z,400nm,20.0s Sault Ste Mari	125.37 56	PFAKE LR	LR	21 25 50.0 +11

S58A S58A	comp-Z,600nm,18.0s Poland Farm, P	125.56 69	PFAKE LR	LR	21 25 50.0 +11
SABA SABA	comp-Z,200nm,19.0s Saba	125.59 98	PFAKE LR	LR	21 25 50.0 +10
T59A T59A	comp-Z,400nm,22.0s Double "B" Far	125.61 69	PFAKE LR	LR	21 25 50.0 +11
V61A V61A	comp-Z,300nm,20.0s Roper	125.73 71	PFAKE LR	LR	21 25 50.0 +10
N54A N54A	comp-Z,300nm,19.0s Moraine State	125.79 64	PFAKE LR	LR	21 25 50.0 +10
SKI SKI	comp-Z,500nm,19.0s Saint Kitts	125.79 99	PFAKE LR	LR	21 25 50.0 +10
R58B R58B	comp-Z,200nm,22.0s Mineral	125.85 68	PFAKE LR	LR	21 25 50.0 +10
SMRT SMRT	comp-Z,300nm,20.0s St. Maarten	125.99 98	PFAKE LR	LR	21 25 50.0 +9.2
U61A U61A	comp-Z,400nm,22.0s Possum Corner	126.08 71	PFAKE LR	LR	21 25 50.0 +10
M54A M54A	comp-Z,400nm,18.0s Oil Creek Stat	126.25 64	PFAKE LR	LR	21 25 50.0 +9.3
T60A T60A	comp-Z,600nm,21.0s Surry	126.26 70	PFAKE LR	LR	21 25 50.0 +9.2
ERPA ERPA	comp-Z,300nm,21.0s Erie	126.31 63	PFAKE LR	LR	21 25 50.0 +9.3
CBN CBN	comp-Z,300nm,21.0s Corbin Frederi	126.31 68	PFAKE LR	LR	21 25 50.0 +9.2
N55A N55A	comp-Z,300nm,22.0s Marion Center				

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MTVZ Mangateitei, NBEZ Newall Road No, PKVZ Pokaka, etc.

WEL 18 21:38:24.5, 41.65±0.7, 174.4E±0.8, h18km, 2km, M3.7/24, ML3.0/18, MLV3.7/24, Error ellipse: s-maj=0.0km, s-min=0.0km az=127.2, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TCW Tory Channel, TUWZ Tuamarina, etc.

IDC 18 21:41:04.6±1.0, 27.56N±102.28E, h0km, mb3.6/7, mb1 3.8/7, mb1mx3.5/29, mbmtpp3.6/7, Error ellipse: s-maj=75.5km s-min=18.6km az=60.0

ISC/JB 18 21:41:07.4±0.9, 27.6N±102.5E±0.4, h33km, mb3.7/6, Error ellipse: s-maj=51.4km s-min=17.2km az=153.0

ISC 18 21:41:09.8±1.2, 27.5N±102.4E±0.4, h35km, mb3.0, ±0.51/7, mb3.8, Sichuan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SONM Songoing Array, MKAR Matkanchi Array, WRA Warramunga Arr, etc.

WEL 18 21:50:44.4, 41.5S±0.6, 174.5E±0.7, h16km, 1km, M3.3/28, ML3.5/22, MLV3.3/28, Error ellipse: s-maj=0.0km s-min=0.0km az=120.7, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BHW Baring Head, TCW Tory Channel, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NNZ Nelson, MTW Mount Morrison, OGWZ Otaki Gorge, etc.

NNC 18 21:51:11.5±2.6, 44.66N±80.23E, h0km, mb2.4, mpv2.3, Error ellipse: s-maj=20.4km s-min=18.0km az=111.3

SOME 18 21:51:11.1, 42.33N±81.08E, h15km, 1C-1D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KTMS Ketmen, PDGK Podgornoye, UZB Uzunbulak, etc.

WEL 18 22:08:30.2, 41.65±0.6, 174.4E±0.7, h18km, 1km, M3.5/24, ML3.7/18, MLV3.5/24, Error ellipse: s-maj=0.0km s-min=0.0km az=121.8, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TCW Tory Channel, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WHVZ Whangaehu Hut, FWVZ Far West T-bar, INZ Inchbonnie, etc.

CGC 18 21:49:00.0±3.1, 25.172N±90.99W, h58km, MD3.7, Guatemala

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like STG3 Santiaguico 3, FUG3 Fuego 3, PCG Pacaya.

JMA 18 22:34:03.4, 24.03N±121.71E, h48km, 1km, M2.4, ISC/JB 18 22:34:04.2±0.2, 24.10N±121.74E±0.1, h47km, 3km, Error ellipse: s-maj=2.5km s-min=1.6km az=33.8

TAP 18 22:34:04.1, 24.10N±121.71E, h42km, M2.2, C, ISC 18 22:34:04.8±1.0, 24.10N±121.73E±0.02, h33km, 2km, 199±60/194, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TWD Chiawan, NACB Ninganchiao, NACB baz=303, etc.

PPT2	comp=Z,1m,26.8s,baz=100	eLR	LR	23 45 09.0
PPT	Papeete comp=Z,422nm,18.4s,baz=126,slow=29	LR	LR	23 46 01.9
NNA	Nana comp=Z,274nm,20.9s,baz=251,slow=30	LR	LR	23 47 30.8
ATAH	Atahualpa comp=Z,592nm,20.6s,baz=242,slow=30	LR	LR	23 47 56.2
GO04	Tololo Observa 37.72 113 eP	P	P	23 37 13.6 +0.1
GO03	Copiap 40.14 109 eP	P	P	23 37 17.3 +0.4
PB04	IPOC Station P 40.50 100 eP	P	P	23 37 20.9 +0.9
GO02	Mina Guanaco 40.78 105 eP	P	P	23 37 22.4 0.0
TLIG	Tapla 40.88 22 eP	P	P	23 37 22.0 -0.9
TLIG	Tapla 40.88 22 eP	P	P	23 37 25.4 +2.4
PB11	IPOC Station P 41.90 97 eP	P	P	23 37 25.9 -0.7
MNMC	Minye Minye 41.46 96 eP	P	P	23 37 27.9 -0.2
LVC	Limon Verde 41.61 101 P	P	P	23 37 29.7 +0.3
LVC	Limon Verde 41.61 101 eP	LR	LR	23 50 29.2
LVC	Limon Verde 41.61 101 eP	P	P	23 37 29.0 -0.4
PLCA	Paso Flores 41.65 128 LR	LR	LR	23 50 14.2
CFA	Coronel Fontan 42.00 115 P	P	P	23 37 32.9 +0.7
CFA	Coronel Fontan 42.00 115 P	LR	LR	23 50 36.1
RAR	Rarotonga 42.85 261 eP	P	P	23 37 39.0 -0.1
SOTA	Rioblanco 42.91 62 eP	P	P	23 37 42.2 +3.0
PTLC	Puerto Leguiza 43.39 66 eP	P	P	23 37 43.7 +0.1
LPZA	La Paz 43.39 92 P	P	P	23 37 45.8 +1.5
LPZA	La Paz 43.39 92 eP	LR	LR	23 51 35.6
LPZA	La Paz 43.39 92 eP	P	P	23 37 43.4 -0.8
LPZA	La Paz 43.39 92 eP	pP	pP	23 37 44.3 -2.9
LVIG	Laguna Verde 43.65 24 eP	P	P	23 37 45.3 -0.1
ORTC	Ortega, Tolima 45.02 61 eP	P	P	23 37 59.0 +2.4
PRAC	Prado 45.21 62 eP	P	P	23 37 59.2 +1.1
RREF	El Recreo 45.60 60 eP	P	P	23 38 03.9 +2.7
GUYCZ	Guyana, Caldas 45.67 60 eP	P	P	23 38 02.4 +0.1
ROSC	El Rosal 46.61 61 LR	LR	LR	23 53 46.2
VILC	Villavicencio 46.42 62 eP	P	P	23 38 07.5 -0.3
PTBC	PUERTO BERRIO 46.42 62 eP	P	P	23 38 13.1 -0.5
TRQA	Tornquist 47.69 123 eP	P	P	23 38 17.0 -0.4
TEIG	Tepeich 47.74 33 eP	P	P	23 38 17.9 +0.1
TEIG	Tepeich 47.74 33 eP	P	P	23 38 23.7 +5.9
SRIG	Santa Rosalia 47.80 2 eP	P	P	23 38 17.6 -0.5
USHA	Ustuaia 48.10 146 LR	LR	LR	23 53 54.3
YOPC	Yopal, Colombi 48.16 62 eP	P	P	23 38 22.7 +1.3
SMLC	San Martin de 48.82 57 eP	P	P	23 38 28.6 +2.3
SIV	San Ignacio 50.06 94 P	P	P	23 38 36.6 +0.8
KVXT	Kingsville 50.40 18 eP	P	P	23 38 36.8 -1.2
KVXT	Kingsville 50.40 18 eP	P	P	23 38 40.0 +2.0
LTX	Lajitas 50.72 11 eP	P	P	23 38 40.6 0.0
LTX	Lajitas 50.72 11 eP	PcP	PcP	23 39 56.8 -1.0
TXAR	Lajitas Array 50.72 11 P	P	P	23 38 40.6 0.0
TXAR	Lajitas Array 50.72 11 P	PcP	PcP	23 39 56.8 -1.0
TXAR	Lajitas Array 50.72 11 P	LR	LR	23 56 21.3
CPUP	Villa Florida 51.70 108 P	P	P	23 38 48.7 +0.7
CPUP	Villa Florida 51.70 108 P	LR	LR	23 57 15.5
CPUP	Villa Florida 51.70 108 eP	P	P	23 38 48.7 +0.7
319A	Douglas 51.99 5 eP	P	P	23 38 49.9 -0.3
319A	Douglas 51.99 5 eP	P	P	23 38 50.5 +0.4
CBCY	The Bluff, Cay 52.21 42 eP	P	P	23 38 50.3 -1.5
NIUE	Niue 52.61 261 eP	P	P	23 38 55.1 +0.2
JCT	Junction City 52.66 15 eP	P	P	23 38 53.7 -1.3
JCT	Junction City 52.66 15 eP	P	P	23 38 57.3 +2.3
MNTX	Cornudas Mount 52.75 9 eP	P	P	23 38 55.7 +0.1
MNTX	Cornudas Mount 52.75 9 eP	P	P	23 38 57.5 +1.9
TUC	Tucson 52.82 3 eP	P	P	23 38 56.0 -0.3
TUC	Tucson 52.82 3 eP	P	P	23 38 57.7 +1.5
HKT	Hockley 53.27 19 eP	P	P	23 38 58.9 -0.4
HKT	Hockley 53.27 19 eP	P	P	23 39 03.0 +3.7
ABTX	Abilene, Hawle 54.75 15 eP	P	P	23 39 08.7 -1.6
ABTX	Abilene, Hawle 54.75 15 eP	P	P	23 39 13.1 +2.8
BNM	Barren Site 55.00 7 eP	P	P	23 39 10.7 -1.7
BNM	Barren Site 55.00 7 eP	P	P	23 39 14.3 +2.0
X18A	Snowflake 55.08 4 eP	P	P	23 39 11.9 -0.9
X18A	Snowflake 55.08 4 eP	P	P	23 39 15.0 +2.2
LAZ	Ladron 55.19 7 eS	S	S	23 46 39.4 -1.8
W13A	Hualapai Mount 55.53 360 eP	P	P	23 39 15.5 -0.6
W13A	Hualapai Mount 55.53 360 eP	P	P	23 39 18.6 +2.6
PTGA	Pitinga 56.13 76 P	P	P	23 39 20.6 -0.1
PTGA	Pitinga 56.13 76 eP	P	P	23 39 20.7 +0.1
PAGB	Antelope Grade 56.49 354 eP	P	P	23 39 21.2 -1.5
DAC	Darwin (Calif) 56.82 356 eP	P	P	23 39 24.7 -0.5
DAC	Darwin (Calif) 56.82 356 eP	P	P	23 39 28.1 +2.9
PUH	Puauhi 56.89 312 eP	P	P	23 39 26.7 +0.7
HLP	Hilina Pali 56.91 312 eP	P	P	23 39 26.4 +0.4
HLP	Hilina Pali 56.91 312 eP	P	P	23 39 33.2 +7.2
SHPR	Sheep Range 56.95 359 eP	P	P	23 39 26.2 +0.1
SHPR	Sheep Range 56.95 359 eP	P	P	23 39 28.9 +2.8
WMOK	Wichita Mounta 56.98 15 eP	P	P	23 39 26.9 +0.7
WMOK	Wichita Mounta 56.98 15 eP	P	P	23 39 31.1 +4.9
HMH	Humu'ula Sheep 57.23 312 eP	P	P	23 39 28.2 -0.4
SAO	San Andreas Ge 57.65 353 eP	P	P	23 39 30.4 -0.5
SAO	San Andreas Ge 57.65 353 eP	P	P	23 39 32.5 +1.7
CCUT	Cedar Junc 57.98 0 eP	P	P	23 39 37.2 +3.8
147A	Livingston 58.44 25 eP	P	P	23 39 36.3 -0.2
147A	Livingston 58.44 25 eP	P	P	23 39 42.5 +6.1
250A	Grady 58.66 27 eP	P	P	23 39 37.9 -0.2
PV05	Paradox Valley 58.66 4 eP	P	P	23 39 38.0 -0.3
PV05	Paradox Valley 58.66 4 eP	P	P	23 39 41.5 +3.2

SDCO	Great Sand Dun 58.69 8 eP	P	P	23 39 37.8 -0.7
SDCO	Great Sand Dun 58.69 8 eP	P	P	23 39 40.5 +2.0
R11A	Troy Canyon, C 58.80 358 eP	P	P	23 39 38.8 -0.3
R11A	Troy Canyon, C 58.80 358 eP	P	P	23 39 42.5 +3.4
PSUT	Pine Spring 58.96 360 eP	P	P	23 39 39.9 -0.3
PSUT	Pine Spring 58.96 360 eP	P	P	23 39 43.3 +3.1
NV11	Mina Array Sit 59.00 356 eP	P	P	23 39 40.0 -0.5
NV11	Mina Array Sit 59.00 356 eP	P	P	23 39 43.6 +3.2
NV01	Mina Array Sit 59.01 356 eP	P	P	23 39 41.0 +0.4
NVAR	Mina Array Bea 59.01 356 P	P	P	23 39 41.0 +0.4
NVAR	Mina Array Bea 59.01 356 P	LR	LR	23 59 24.2
KNTN	Kanton 59.14 279 eP	P	P	23 39 41.7 -0.1
WHAR	Wooley Hollow 59.33 20 eP	P	P	23 39 42.1 -0.5
WHAR	Wooley Hollow 59.33 20 eP	P	P	23 39 48.3 +5.7
SRU	San Rafael Swe 59.61 3 eP	P	P	23 39 42.1 -2.6
SRU	San Rafael Swe 59.61 3 eP	P	P	23 39 47.5 +2.8
KVN	Kaiserville 59.61 356 eP	P	P	23 39 43.4 -1.4
KVN	Kaiserville 59.61 356 eP	P	P	23 39 47.2 +2.5
YERR	Yerrington 59.63 355 eP	P	P	23 39 44.2 -0.6
YERR	Yerrington 59.63 355 eP	P	P	23 39 48.4 +3.5
PNTR	Pine Bluff 59.76 355 eP	P	P	23 39 45.9 +0.1
CRPR	Cabo Rojo, PR 59.78 53 eP	P	P	23 39 47.2 +1.1
HON	Honolulu 60.13 311 eP	P	P	23 39 48.8 +0.4
HON	Honolulu 60.13 311 eP	P	P	23 39 55.2 +6.8
DUG	Dugway, Tooele 60.62 1 eP	P	P	23 39 51.0 -0.6
DUG	Dugway, Tooele 60.62 1 eP	P	P	23 39 53.8 +2.2
BGM	Battle Mountai 60.94 357 eP	P	P	23 39 54.1 +0.4
BGM	Godfrey 61.11 29 eP	P	P	23 39 54.2 -0.6
ELK	Elko 61.18 359 eP	P	P	23 39 55.1 -0.4
ELK	Elko 61.18 359 eP	P	P	23 39 58.5 +3.0
URZ	Urewera 61.34 237 eP	P	P	23 39 55.6 -0.9
SWET	Seawane 61.60 26 eP	P	P	23 39 57.9 -0.3
SWET	Seawane 61.60 26 eP	P	P	23 40 04.5 +6.3
STVI	Saint Thomas 61.62 54 eP	P	P	23 39 57.7 -0.9
WVT	Waverly 61.65 24 eP	P	P	23 39 58.3 -0.2
WVT	Waverly 61.65 24 eP	P	P	23 40 04.1 +5.7
V48A	Smith Brothers 61.70 25 eP	P	P	23 39 58.4 -0.4
SPUT	South Promonto 61.74 1 eP	P	P	23 39 58.0 -1.2
SPUT	South Promonto 61.74 1 eP	P	P	23 40 03.1 +3.9
KEKH	Kekaha 61.77 311 eP	P	P	23 39 58.9 -0.6
W50A	Signal Mountai 61.84 26 eP	P	P	23 39 59.2 -0.6
W50A	Signal Mountai 61.84 26 eP	P	P	23 40 05.4 +5.6
HWUT	Hardware Ranch 62.06 2 eP	P	P	23 40 00.4 -1.0
HWUT	Hardware Ranch 62.06 2 eP	P	P	23 40 05.7 +4.3
CCM	Cathedral Cave 62.19 20 eP	P	P	23 40 01.6 -0.5
CCM	Cathedral Cave 62.19 20 eP	P	P	23 40 08.5 +6.4
BDFB	Brasilia 62.31 97 LR	LR	LR	00 03 30.9
ABVI	Anegada Island 62.32 54 eP	P	P	23 40 02.0 -1.2
CSU	Charleston Sou 62.37 32 eP	P	P	23 40 02.3 -1.0
CPCT	Cooper Cave 62.38 27 eP	P	P	23 40 03.0 -0.5
MOD	Modoc Plateau 62.62 355 eP	P	P	23 40 04.2 -0.8
MOD	Modoc Plateau 62.62 355 eP	P	P	23 40 07.8 +2.8
SKI	Saint Kitts 62.73 57 eP	P	P	23 40 04.9 -1.3
SKI	Saint Kitts 62.73 57 eP	P	P	23 40 19.9 +1.4
V51A	Loudon 62.76 27 eP	P	P	23 40 05.5 -0.4
V51A	Loudon 62.76 27 eP	P	P	23 40 12.6 +6.7
V53A	Saluda 63.30 28 eP	P	P	23 40 09.5 -0.1
PD31	Pinedale Array 63.30 3 eP	P	P	23 40 09.6 -0.1
PDAR	Pinedale Array 63.30 3 P	P	P	23 40 09.6 -0.1
Y58A	Scranton 63.31 31 eP	P	P	23 40 09.1 -0.5
HUMO	Hull Mountain 63.59 352 eP	P	P	23 40 10.7 -0.7
HUMO	Hull Mountain 63.59 352 eP	P	P	23 40 14.6 +3.3
ANWB	Willy Bob 63.67 57 eP	P	P	23 40 11.7 -0.6
ANWB	Willy Bob 63.67 57 eP	P	P	23 40 26.8 +1.4
TZTN	Tazewell 63.72 27 eP	P	P	23 40 09.4 -2.9
TZTN	Tazewell 63.72 27 eP	P	P	23 40 18.4 +6.0
MFID	Madison Ranch 63.86 358 eP	P	P	23 40 12.3 -1.0
J08A	Circle Bar Ran 63.92 356 eP	P	P	23 40 13.0 -0.6
J08A	Circle Bar Ran 63.92 356 eP	P	P	23 40 16.1 +2.4
TPAW	Teton Pass 63.96 2 eP	P	P	23 40 17.0 +2.9
HLID	Halley 63.98 359 eP	P	P	23 40 13.5 -0.6
HLID	Halley 63.98 359 eP	P	P	23 40 15.9 +1.8
V56A	Mocksville 64.46 30 eP	P	P	23 40 15.9 -1.3
V56A	Mocksville 64.46 30 eP	P	P	

Table with columns: CHGN, Chignik, 85.47 337 eP, P, 23 42 17.7 -0.3, etc. Includes stations like Denali Highway, RIDG Independent Ri, etc.

Table with columns: MARNC, Mare, Loyalty, 13.15 150 ePn, Pn, 23 37 45.6 -1.6, etc. Includes stations like PMG Port Moresby, KWAJ Kwajalein Atol, etc.

Table with columns: WACZ, Wakanni South, 0.74 186 P, Pn, 23 40 48.2 -0.4, etc. Includes stations like RPZ Rata Peaks, GVV Greta Valley S, etc.

NIED 18 23:44:00.39:00N:142:10E, h56km, Mw4.8 Best double couple: M1.71000x10^16 NP1:~51.00000: ~644.00000: ~124.00000: NP2:~188.00000: ~555.00000: ~161.00000: ...

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like ZSN Zaisan, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like SLA San Lorenzo, AZAP Zapla, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like OFUJ Ofunato, JKMT Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like HNR Honiara, RABL Rabaul, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like WEL 18 23:40:32.0, 43'S:1:17:2'E, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, etc. Includes stations like INU Inuyama, GRPR Tuman, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KBL, AKTO, KBS, KIRV, WRAB, W2, WRA, PRGR, RES, YKA, YK, YKBS, ARCES, AS31, ASAR, GEYT, GYA08, DAG, DAG, DAG, LWLA, D03D, B05A, D04E, M05, E04D, OBN, OBN, OBN, LPSR, LPSR, J01E, J05D, I03D, FINES, K02D, G05D, I04A, VSR, VSR, VORD, VORD, L02E, I05D, J04D, NEW, NEW, AKT, AKT, L04D, SUMG, SUMG, J05D, M02C, N02D, G0F, G0F, M04C, O02D, NCK, NCK, KIV, KIV, KIV, KBZ, O03E, MOD, MOD, NEY, NEY, FFC, FFC, EGM7, EGM7, NB2, NOA, HLID, BOZ.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like AKASG, AKASG, NVAR, YES, PKM, RLMT, ISA, R11A, LAO, MPMC, LURC, FMFC, TPNV, DUG, EDW2, BW06, PDAR, CUKAN, SHOC, GSC, FMP, BFSC, CIS, SC12, TUQ, HEC, MURC, PFO, KOLS, KOLS, KOLS, ULM, ULM, BELC, CDAG, DELI, DELI, K22A, OJC, OJC, ANDN, UZH, UZH, BR131, BRTR, BRTR, MONP2, RSSD, RSSD, RSSD, TRPA, IRM, NIE, NIE, IKP, O20A, Y12C, KSP, KSP, KKUL, KKUL, GULE, GULE, GLA, OSTC, AGMN, CHVC, MORC, DPC, DPC, UPC, UPC, N23A, PSZ, VYHS, VYHS, VYHS, BRG, BRG, JAVC, PVCC, PVCC, CLL, CLL, CLL, VRAC, KRUC, GOPC, PRU, PRU, PRU, PRU.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MVCO, MODS, MODS, MODS, TREC, TREC, TREC, W18A, W18A, Q24A, 214A, SOP, CONA, KHC, KHC, EYMN, MMAI, GERES, GERES, SDCO, MOA, TUC, TUC, TUC, TUC, ECSD, KSCO, PERS, PERS, T25A, KBA, ANMO, ANMO, ANMO, PDKS, BGNE, MYKA, WATA, WTTA, ABTA, MOTA, RETA, SOTA, G12A, G12A, BFO, BFO, BFO, CBKS, DAVA, FUORN, SCIA, D46A, PPT, D47A, E46A, F45A, KSU1, I42A, JFWF, E47A, LSQQ, AMTX, MSTX, MNTX, CHGO, L40A, E48A, H46A, G47A, D51A, N40A, K43A, M41A, D52A, E51A, N41A, H48A, D53A, D54A, WMOK, F52A, J47A, KLB0, E53A, M44A.

E54A	Lac Daplat, Po	87.90	26	P	P	23 56 55.7 -1.1
HDIL	Hopedale	87.91	37	P	P	23 56 57.1 +0.1
BUKO	Buck Lake	87.98	28	P	P	23 56 56.7 -0.6
ALGO	Algonquin Park	88.02	27	P	P	23 56 56.7 -0.8
BMRO	Merriville Lake	88.02	29	P	P	23 56 57.5 0.0
J48A	Bridge Port	88.09	32	P	P	23 56 58.3 +0.4
TUL1	Leonard	88.24	43	P	P	23 56 58.0 -0.7
J49A	Marlette	88.30	31	P	P	23 56 58.8 -0.1
BASO	Ashfield	88.34	30	P	P	23 56 59.5 +0.5
K48A	Perry	88.36	32	P	P	23 56 59.3 +0.2
TXAR	Lajitas Array	88.45	53	P	P	23 57 00.3 +0.3
BWLO	Walkerton	88.46	30	P	P	23 57 00.1 +0.5
CLWO	Collingwood	88.49	29	P	P	23 56 59.8 0.0
ABTX	Ablene, Hawle	88.52	48	P	P	23 57 00.5 +0.4
P43A	Skaggs, Pawnee	88.53	37	P	P	23 56 59.5 -0.5
G53A	Haliburton	88.53	28	P	P	23 56 59.2 -0.7
PEMO	Pembroke	88.54	26	P	P	23 56 59.2 -0.7
L47A	Sherswood	88.59	33	P	P	23 57 00.2 -0.1
K49A	Clarkson	88.65	32	P	P	23 57 00.6 0.0
I51A	Listowel	88.77	30	P	P	23 57 01.2 +0.1
BANO	Bancroft	88.87	27	P	P	23 57 01.2 -0.4
CCM	Cathedral Cave	88.94	39	eP	P	23 57 02.1 +0.1
CCM	Cathedral Cave	88.94	39	eP	P	23 57 02.1 +0.1
CCM	Cathedral Cave	88.94	39	P	P	23 57 01.9 0.0
L48A	N Adams	88.94	33	P	P	23 57 01.7 -0.2
K50A	Casco	89.00	31	P	P	23 57 02.2 0.0
SFIN	Lafayette	89.06	35	P	P	23 57 02.2 -0.3
G55A	Catlabogie	89.09	26	P	P	23 57 02.1 -0.5
PLVO	Plevna	89.15	27	P	P	23 57 02.6 -0.2
N47A	Urbana	89.27	34	P	P	23 57 03.2 -0.3
ORIO	Oreans, Innes	89.33	25	P	P	23 57 03.1 -0.5
DELO	Deloro Mine	89.42	27	P	P	23 57 03.9 -0.2
U40A	Yellville	89.45	41	P	P	23 57 04.3 -0.1
J52A	Paris	89.45	30	P	P	23 57 04.4 -0.1
M49A	Liberty Center	89.52	33	P	P	23 57 04.2 -0.4
L50A	Kingsville	89.53	32	P	P	23 57 04.8 +0.2
H55A	Tweed	89.54	27	P	P	23 57 04.5 -0.1
DRWO	Darlington Wes	89.57	28	P	P	23 57 04.5 -0.3
ORCO	St. Marys Ceme	89.58	28	P	P	23 57 04.7 -0.1
N48A	Decatur	89.58	34	P	P	23 57 04.9 0.0
P46A	Rosedale	89.62	36	P	P	23 57 05.3 +0.2
WLVO	Wesleyville	89.65	28	P	P	23 57 05.4 +0.2
I55A	Frankford	89.66	27	P	P	23 57 04.9 -0.3
K52A	Tiltsburg	89.75	30	P	P	23 57 05.9 +0.2
TYNO	Tyneside	89.81	29	P	P	23 57 06.1 +0.2
H56A	Elgin	89.83	26	P	P	23 57 05.6 -0.4
W39A	Magazine	89.85	43	P	P	23 57 06.0 -0.3
N49A	Columbus Grove	89.89	33	eP	P	23 57 07.0 +0.6
N49A	Columbus Grove	89.89	33	P	P	23 57 06.4 +0.1
M50A	Fremont	89.97	32	P	P	23 57 06.6 -0.1
STCO	Saint Catharin	89.98	29	P	P	23 57 06.8 +0.1
JCT	Junction City	89.98	50	P	P	23 57 06.9 -0.2
O48A	Farmland	90.02	34	P	P	23 57 06.8 -0.2
J54A	Appleton	90.12	28	P	P	23 57 07.0 -0.4
PECO	Prince Edward	90.15	27	P	P	23 57 07.2 -0.3
S44A	Carbondale	90.20	38	P	P	23 57 08.1 +0.2
WHXT	Lake Whitney,	90.24	47	P	P	23 57 08.4 +0.2
MEDO	Medina	90.28	28	P	P	23 57 08.2 +0.1
LONY	Lake Ozonia	90.37	25	P	P	23 57 08.2 -0.3
J55A	Hilton	90.43	28	P	P	23 57 08.8 0.0
O49A	Covington	90.43	34	P	P	23 57 09.1 +0.2
N50A	Nevada	90.45	33	P	P	23 57 09.2 +0.2
MIAR	Mount Ida	90.46	43	P	P	23 57 09.5 +0.4
M52A	Chesterland	90.55	31	P	P	23 57 09.9 +0.5
P48A	Milroy	90.55	35	P	P	23 57 09.4 -0.1
ERPA	Erie	90.60	30	P	P	23 57 09.8 +0.1
L53A	Girard	90.63	30	P	P	23 57 10.4 +0.6
N51A	Ashland	90.65	32	P	P	23 57 09.8 -0.1
K54A	Basiliko Farm,	90.67	29	P	P	23 57 10.2 +0.2
W41B	Gary Mavity, V	90.67	42	P	P	23 57 09.9 -0.2
L54A	Sinclairville	90.76	29	P	P	23 57 10.6 +0.2
O50A	Cable	90.77	33	P	P	23 57 10.5 0.0
K55A	Perry	90.80	28	P	P	23 57 10.7 +0.1
P49A	Miami Univ. Ec	90.80	34	P	P	23 57 10.6 -0.1
O48A	North Vernon	90.85	35	P	P	23 57 11.0 +0.2
X40A	Basin Creek Fa	90.89	43	P	P	23 57 11.4 +0.2
S46A	Don Dixon Farm	90.94	37	P	P	23 57 11.3 0.0
ACSO	Alum Creek Sta	90.97	33	P	P	23 57 11.5 +0.1
T45A	Paducah	91.03	38	P	P	23 57 11.9 +0.2
435B	Jarrell	91.06	48	P	P	23 57 12.1 +0.1
L55A	Hinsdale	91.14	29	P	P	23 57 12.2 0.0
P50A	Westwood	91.14	34	P	P	23 57 12.2 -0.1
Q49A	Aurora	91.16	35	P	P	23 57 12.6 +0.3
WCI	Wyandotte Cave	91.16	36	P	P	23 57 12.6 +0.3

M54A	Oil Creek Stat	91.24	30	P	P	23 57 12.9 +0.3
T46A	Princeton	91.37	38	P	P	23 57 13.7 +0.4
O52A	Adamsville	91.55	32	P	P	23 57 13.8 -0.3
P51A	Williamsport	91.57	33	P	P	23 57 14.1 -0.1
LBHN	Lisbon	91.57	24	P	P	23 57 14.5 +0.4
N54A	Moraine State	91.58	31	P	P	23 57 14.3 0.0
R49A	Shelbyville	91.62	35	P	P	23 57 14.5 +0.1
M55A	Ridgway	91.63	29	P	P	23 57 14.8 +0.4
O53A	New Philadelph	91.69	32	P	P	23 57 14.7 0.0
T47A	Sharon Grove	91.79	37	P	P	23 57 15.5 +0.3
Q51A	Peebles	91.82	34	P	P	23 57 15.4 +0.1
M56A	Emporium	91.83	29	P	P	23 57 15.7 +0.2
S49A	Springfield	91.98	36	P	P	23 57 16.4 +0.3
R50A	Paris	92.01	35	P	P	23 57 16.3 +0.1
BINY	Binghamton	92.02	27	P	P	23 57 15.9 -0.3
O54A	Avella	92.09	31	P	P	23 57 16.8 +0.2
N55A	Marion Center	92.13	30	P	P	23 57 16.6 -0.2
WVT	Waverly	92.13	38	P	P	23 57 16.8 0.0
L58A	Harry Jones Me	92.20	27	P	P	23 57 17.0 -0.1
V46A	Holladay	92.26	39	P	P	23 57 17.4 0.0
P53A	Whipple	92.27	32	P	P	23 57 17.3 -0.1
N56A	West Decatur	92.28	29	P	P	23 57 16.6 -0.9
R51A	Hillsboro	92.32	34	P	P	23 57 17.7 +0.1
U48A	Cassie Pea, Po	92.44	37	P	P	23 57 17.8 -0.5
S50A	Richmond	92.47	35	P	P	23 57 18.3 -0.1
O55A	Ligonier	92.50	30	P	P	23 57 18.2 -0.3
V47A	Nunnally	92.52	38	P	P	23 57 18.6 -0.1
M58A	Price's Panora	92.57	28	P	P	23 57 18.9 +0.1
OXF	Oxford	92.64	40	P	P	23 57 18.8 -0.4
N57A	Milroy	92.70	29	P	P	23 57 19.2 -0.2
O56A	Blue Knob Stat	92.73	30	P	P	23 57 19.1 -0.5
Q53A	Leroy	92.74	33	P	P	23 57 19.9 +0.3
M59A	Waymart	92.80	27	P	P	23 57 19.6 -0.3
U49A	Red Polling Sp	92.80	37	P	P	23 57 19.9 0.0
T50A	Nancy	92.81	36	P	P	23 57 19.9 -0.1
S51A	Beaverville	92.86	35	P	P	23 57 19.9 -0.3
P55A	Reedsville	92.89	31	P	P	23 57 20.4 +0.1
Q54A	Coxs Mills	92.92	32	P	P	23 57 20.6 +0.2
V48A	Smith Brothers	92.93	38	P	P	23 57 20.5 -0.1
N58A	Sunbury	92.94	28	P	P	23 57 20.2 -0.3
W47A	Westpoint	92.95	39	P	P	23 57 20.6 -0.1
R53A	Hurricane	93.00	33	P	P	23 57 20.7 -0.1
Q55A	Buehannon	93.22	32	P	P	23 57 21.2 -0.7
N59A	State Game Lan	93.22	28	P	P	23 57 21.8 0.0
T51A	Gray	93.26	35	P	P	23 57 22.1 0.0
P56A	Dayton Farm, R	93.28	31	P	P	23 57 22.4 +0.3
U50A	Jamestown	93.31	36	P	P	23 57 22.2 -0.1
V49A	McMinnville	93.34	37	P	P	23 57 22.4 -0.1
W48A	Pulaski	93.36	38	P	P	23 57 22.5 0.0
X47A	Russelville	93.41	39	P	P	23 57 22.2 -0.6
R54A	Victor	93.53	33	P	P	23 57 22.9 -0.4
T52A	Hallie	93.57	35	P	P	23 57 23.6 +0.1
W49A	Belvidere	93.70	38	P	P	23 57 24.1 0.0
U51A	La Follette	93.72	36	P	P	23 57 24.4 +0.2
KEST	Kesra	93.74	323	LR	00 43 11.5	
TZTN	Tazewell	93.79	35	P	P	23 57 24.2 -0.3
V50A	Pikeville	93.80	37	P	P	23 57 24.4 -0.1
R55A	Marlinton	93.81	32	P	P	23 57 24.6 0.0
Q57A	Strasburg	93.86	30	P	P	23 57 24.5 -0.3
U52A	Thorn Hill	94.00	35	P	P	23 57 25.2 -0.3
V51A	Loupan	94.04	36	P	P	23 57 25.3 -0.3
W50A	Signal Mountai	94.08	37	P	P	23 57 25.6 -0.3
X49A	Woodville	94.16	38	P	P	23 57 25.9 -0.3
T54A	Tazewell	94.23	34	P	P	23 57 26.5 -0.1
P60A	Greenville	94.24	28	P	P	23 57 26.1 -0.3
V52A	Sevierville	94.35	36	P	P	23 57 26.6 -0.5
U53A	Fall Branch	94.37	35	P	P	23 57 27.0 -0.2
W51A	Cleveland	94.38	37	P	P	23 57 26.7 -0.5
R57A	Stanardsville	94.45	31	P	P	23 57 27.3 -0.2
T55A	Pulaski	94.52	33	P	P	23 57 27.9 0.0
BLA	Blacksburg	94.59	33	P	P	23 57 27.9 -0.3
Y49A	Blount Mountai	94.65	39	P	P	23 57 27.9 -0.6
V53A	Saluda	94.85	35	P	P	23 57 29.1 -0.3
U55A	Taz, Sparta	94.93	34	P	P	23 57 29.4 -0.4
Y50A	Piedmont	94.95	38	P	P	23 57 29.6 -0.3
R58B	Mineral	94.99	31	P	P	23 57 29.7 -0.3
W53A	Cullowhee	95.10	36	P	P	23 57 30.4 -0.3
Z49A	Columbiana	95.13	39	P	P	23 57 30.8 +0.1
T57A	Ashland	95.26	32	P	P	23 57 31.2 0.0
Y51A	Rockmart	95.27	38	P	P	23 57 30.9 -0.4
Z50A	Ashland	95.38	39	P	P	23 57 31.4 -0.4
X53A	Estanolee	95.59	36	P	P	23 57 32.9 +0.2
T58A	Grand View Acr	95.60	32	P	P	23 57 32.5 -0.3
W54A	Cherokee Point	95.62	35	P	P	23 57 32.7 -0.2

U57A	Blanch	95.71	32	P	P	23 57 33.2 0.0
ESDC	Sonsecra Array	95.71	334	P	P	23 57 32.5 -0.8
ESDC	comp=Z,0.2nm,0.5s,baz=22,slow=5.1,SNR=3.6			LR	00 45 57.4	
Y52A	Lilburn	95.77	37	P	P	23 57 33.8 +0.2
Z49A	Camden	95.81	40	P	P	23 57 34.1 +0.3
T59A	Double 'B' Far	95.98	31	P	P	23 57 34.1 -0.4
X54A	Belton	95.98	36	P	P	23 57 34.4 -0.2
V57A	Coltrane Farms	95.99	33	P	P	23 57 33.9 -0.6
Y53A	Monroe	96.00	37	P	P	23 57 34.8 +0.2
U58A	Oxford	96.07	32	P	P	23 57 34.9 0.0
W56A	Indian Trail	96.28	34	P	P	23 57 35.6 -0.3
Y54A	Tignall	96.41	36	P	P	23 57 36.6 +0.2
Z53A	Monticello	96.48	37	P	P	23 57 36.9 +0.1
X56A	White Oak	96.63	35	P	P	23 57 36.9 -0.5
Y55A	Saluda	96.72	36	P	P</	

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Cabo Rojo, Obispo Ponce, San Juan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Detroit Lake, MTE Manteigas, TAM Tamassan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Urewera, Stephens Creek, Warramunga Arr, etc.

ISCJB 19 01:13:51.2,0.6,20.9S:0.1x178.7W:0.1,h579km, mb3.9/13, Error ellipse: s-maj=17.2km s-min=12.1km az=138.9

NEIC 19 01:43:11.5,0.0,14.52N:93.94W,h75km,MD4.0(MEX), After MEX MEX 19 01:43:11.5,0.0,14.54N:93.92W,h81km,34km,MD3.9, Near coast of Chiapas

Table with columns for station ID, name, coordinates, and other details. Includes stations like KMRM, JCC, PMR, PMR, SAO, SAO, KNK, PPLA, GLI, KHMM, FID, SBC, KRMB, SML, PKM, PABG, SMCM, CAST, O02D, RAGM, KEBM, HMT, SCM, WDC, N02D, KIS, KTH, M02C, K02D, ORV, OSI, DIB, BOD, O03E, YBH, YBH, AFDM, ARVC, CMB, BPAW, VES, CROM, PASC, RND, HUMO, TGL, MWC, SYO, SYO, DHY, MCK, LSA, LSA, LSA, 109C, CPE, ISA, ISA, EDW2, BFSC, BWN, RUBR, RUBR, MURC.

Table with columns for station ID, name, coordinates, and other details. Includes stations like RDOG, PCA, BAR, BEKR, SIT, COR, OMMB, BCPM, MLY, PAX, WAKR, ZAK, MLAC, LRMC, MONP, PNTR, CWC, IKP, WRH, YERR, PFO, PFO, PFO, PFO, TLY, TLY, MPMC, DAC, CCB, PAHR, MENT, HDA, HDA, HDA, MDM, SWSC, COLA, COLA, COLA, H04A, RYN, GSC, GSC, J05D, RIDG, RIDG, BBB, BBB, MOD, NVAR, NVAR, BELW, NLWA, ILAR, ILAR, HEC, NV11, NV11, WRAK, DOT, GRAC, BESE, BESE, JIS, FURC, PINE, PINE, BC3.

Table with columns for station ID, name, coordinates, and other details. Includes stations like SCRK, KVN, E04D, SHOC, SKAG, GMRC, GLA, GLA, TUQ, IRM, SRIG, TPNV, TPNV, PRP, COLD, LON, MOY, Y12C, Y12C, D05A, LDFC, WFOR, WFOR, 113A, WHY, BNM, BNM, BNM, PDMC, J08A, EGAK, FYU, 214A, R11A, R11A, LTY, W13A, TOLK, DLBC, HAWA, Y14A, HSIG, E08A, LLLB, D08A, ELK, ELK, BMO, E09A, SNA, SNA, SNA, SNA, TUC, TUC, TUC, TUC, MFID, F10A, C09A, U15A, X16A, TIXI, TIXI.

ESPN	Las Esperanzas	110.42	83	PFAKE	LR	LR	02 39 20.00 +8.4
ESPN	Paducah	110.63	56	PFAKE	LR	LR	02 39 20.00 +8.6
T45A	Pickwick Lake	110.88	58	PFAKE	LR	LR	02 39 20.00 +8.1
PLAL	Conover	110.93	47	PFAKE	LR	LR	02 39 20.00 +8.3
COWI	Drager Farm	110.98	49	PFAKE	LR	LR	02 39 20.00 +8.1
I42A	Isle Royale Na	111.00	45	PFAKE	LR	LR	02 39 20.00 +8.3
C40A	Waverly	111.20	57	PFAKE	LR	LR	02 39 20.00 +7.5
WVT	Olney	111.22	54	PFAKE	LR	LR	02 39 20.00 +7.5
OLIL	Brewton	111.29	63	PFAKE	LR	LR	02 39 20.00 +7.2
BRAL	Burlington	111.33	50	PFAKE	LR	LR	02 39 20.00 +7.4
K43A	Chassel	111.36	46	PFAKE	LR	LR	02 39 20.00 +7.5
D41A	Midewin, Midew	111.46	52	PFAKE	LR	LR	02 39 20.00 +7.2
M44A	University of	111.50	55	PFAKE	LR	LR	02 39 20.00 +7.0
USIN	Ambohimpanom	111.55	241	PFAKE	LR	LR	02 39 30.00 +16
ABPO	Lakeview Retre	111.55	61	PFAKE	LR	LR	02 39 30.00 +17
LRAL	Hartselle	111.67	59	PFAKE	LR	LR	02 39 30.00 +17
X48A	Windswept, Lux	111.83	48	PFAKE	LR	LR	02 39 30.00 +17
H43A	Sharon Grove	111.86	56	PFAKE	LR	LR	02 39 30.00 +16
T47A	Smith Brothers	111.97	58	PFAKE	LR	LR	02 39 30.00 +16
V48A	Grady	112.05	62	PFAKE	LR	LR	02 39 30.00 +16
250A	Lafayette	112.11	53	PFAKE	LR	LR	02 39 30.00 +16
SFIN	Blount Mountai	112.13	60	PFAKE	LR	LR	02 39 30.00 +16
Y49A	Vernon	112.33	63	PFAKE	LR	LR	02 39 30.00 +15
451A	Cedars of Leba	112.40	57	PFAKE	LR	LR	02 39 30.00 +15
CLTN	Lone Tree Farm	112.43	46	PFAKE	LR	LR	02 39 30.00 +15
E43A	Ashland	112.47	60	PFAKE	LR	LR	02 39 30.00 +15
Z50A	Bloomington	112.48	54	PFAKE	LR	LR	02 39 30.00 +15
BLO	Wyandotte Cave	112.59	55	PFAKE	LR	LR	02 39 30.00 +15
KCI	Sewanee	112.65	58	PFAKE	LR	LR	02 39 30.00 +15
SWET	Montague	112.79	49	PFAKE	LR	LR	02 39 30.00 +15
J45A	Eue Claire	112.80	51	PFAKE	LR	LR	02 39 30.00 +15
L46A	Fountain	112.92	49	PFAKE	LR	LR	02 39 30.00 +14
I45A	Edmonton	113.12	56	PFAKE	LR	LR	02 39 30.00 +14
T49A	Blakely	113.13	62	PFAKE	LR	LR	02 39 30.00 +14
352A	Signal Mountai	113.16	58	PFAKE	LR	LR	02 39 30.00 +14
W50A	Grand Marais A	113.17	46	PFAKE	LR	LR	02 39 30.00 +14
E44A	Milroy	113.34	54	PFAKE	LR	LR	02 39 30.00 +13
P48A	Suttons Bay	113.35	48	PFAKE	LR	LR	02 39 30.00 +14
G45A	Waverly Hall	113.42	61	PFAKE	LR	LR	02 39 30.00 +13
152A	Calhoun	113.48	59	PFAKE	LR	LR	02 39 30.00 +13
X51A	Shelbyville	113.48	55	PFAKE	LR	LR	02 39 30.00 +13
R49A	Whigham	113.58	63	PFAKE	LR	LR	02 39 30.00 +13
453A	Thule	113.73	12	PFAKE	LR	LR	02 39 30.00 +14
TULEG	Cooper Cave	113.82	58	PFAKE	LR	LR	02 39 30.00 +12
CPCT	Americus	113.86	62	PFAKE	LR	LR	02 39 30.00 +12
253A	Summer	113.92	50	PFAKE	LR	LR	02 39 30.00 +13
J47A	Edgerton	113.96	52	PFAKE	LR	LR	02 39 30.00 +12
M48A	Loudon	113.98	58	PFAKE	LR	LR	02 39 30.00 +12
V51A	Libburn	114.08	60	PFAKE	LR	LR	02 39 30.00 +12
Y52A	Paris	114.14	55	PFAKE	LR	LR	02 39 30.00 +12
R50A	Gladwin	114.16	49	PFAKE	LR	LR	02 39 30.00 +12
I47A	Covington	114.22	53	PFAKE	LR	LR	02 39 30.00 +12
O49A	Tifton	114.26	63	PFAKE	LR	LR	02 39 30.00 +12
TIGA	Murphy	114.28	59	PFAKE	LR	LR	02 39 30.00 +12
W52A	Sault Ste Mari	114.29	46	PFAKE	LR	LR	02 39 30.00 +12
E46A							

N49A	Columbus Grove	114.35	52	PFAKE	LR	LR	02 39 30.00 +12
N49A	Arti	114.42	325	PKP	PKPdf	LR	02 39 17.1 -0.9
ARU	Arti	114.42	325	ePKIKP	PKIKP	LR	02 39 18.9 +0.9
ARU	Arti	114.42	325	iPKIKP	PKIKP	LR	02 39 19.1 +1.1
ARU				SP	SP	MLR	02 40 17.8
ARU				SP	SP	MLR	02 49 47.3 -0.8
GOGA	Godfrey	114.54	61	PFAKE	LR	LR	02 39 30.00 +11
GOGA	Sevierville	114.60	58	PFAKE	LR	LR	02 39 30.00 +11
V52A	McAlpin	114.67	64	PFAKE	LR	LR	02 39 30.00 +11
555A	Tazewell	114.67	57	PFAKE	LR	LR	02 39 30.00 +11
TZTN	Bridge Port	114.68	50	PFAKE	LR	LR	02 39 30.00 +11
J48A	Beattyville	114.69	56	PFAKE	LR	LR	02 39 30.00 +11
J48A	Ann Arbor	114.77	51	PFAKE	LR	LR	02 39 30.00 +11
S51A	Montrose	114.78	61	PFAKE	LR	LR	02 39 30.00 +11
S51A	Peebles	114.94	54	PFAKE	LR	LR	02 39 30.00 +10
AAM	Williston	114.97	65	PFAKE	LR	LR	02 39 30.00 +10
AAM	Harrisville	115.00	48	PFAKE	LR	LR	02 39 30.00 +10
154A	Wimauma	115.05	67	PFAKE	LR	LR	02 39 30.00 +10
154A	Lake Jocassee	115.09	59	PFAKE	LR	LR	02 39 30.00 +10
Q51A	Hallie	115.15	56	PFAKE	LR	LR	02 39 30.00 +10
Q51A	Williamsport	115.18	54	PFAKE	LR	LR	02 39 30.00 +10
656A	Fremont	115.22	52	PFAKE	LR	LR	02 39 30.00 +10
656A	Saluda	115.22	58	PFAKE	LR	LR	02 39 30.00 +10
H48A	Hazlehurst	115.25	62	PFAKE	LR	LR	02 39 30.00 +10
H48A	Alum Creek Sta	115.25	53	PFAKE	LR	LR	02 39 30.00 +10
957A	Aktjubinsk	115.30	318	PKP	PKIKP	LR	02 39 19.3 -0.6
BG3	Point Hope	115.38	49	PFAKE	LR	LR	02 39 30.00 +10
BG3	Alibeck	115.47	304	PKP	PKPdf	LR	02 39 19.9 -0.8
TS2A	ALIBECK ARRAY	115.47	304	PFAKE	LR	LR	02 39 30.00 +9.3
TS2A	Casco	115.53	50	PFAKE	LR	LR	02 39 30.00 +9.4
P51A	Hilliard	115.54	64	PFAKE	LR	LR	02 39 30.00 +9.1
M50A	Hodge	115.60	60	PFAKE	LR	LR	02 39 30.00 +9.0
V53A	Ashland	115.72	52	PFAKE	LR	LR	02 39 30.00 +9.0
V53A	Disney Wildern	115.80	67	PFAKE	LR	LR	02 39 30.00 +8.5
255A	La Paz	115.86	118	PKP	PKPdf	LR	02 39 22.1 -0.6
255A	La Paz	115.86	118	ePKPdf	PKIKP	LR	02 39 23.2 +0.4
ACSO	Moore Haven	115.93	68	PFAKE	LR	LR	02 39 30.00 +8.2
AKTO	Pauline	116.00	59	PFAKE	LR	LR	02 39 30.00 +8.3
I49A	Hurricane	116.01	55	PFAKE	LR	LR	02 39 30.00 +8.3
GEYT	Ochoppi	116.02	69	PFAKE	LR	LR	02 39 30.00 +8.0
GYA0B	Nelsons Funny	116.06	57	PFAKE	LR	LR	02 39 30.00 +8.1
GYA0B	Minazif	116.08	290	PFAKE	LR	LR	02 39 30.00 +7.8
K50A	Adamsville	116.13	53	PFAKE	LR	LR	02 39 30.00 +8.2
K50A	KMSC Kings Mountain	116.41	59	PFAKE	LR	LR	02 39 30.00 +7.5
456A	Jenkinsville	116.42	60	PFAKE	LR	LR	02 39 30.00 +7.4
456A	Whipple	116.47	54	PFAKE	LR	LR	02 39 30.00 +7.5
HODGE	Skidaway Islan	116.48	62	PFAKE	LR	LR	02 39 30.00 +7.3
N51A	Chesterland	116.49	52	PFAKE	LR	LR	02 39 30.00 +7.5
N51A	Indiantown	116.63	68	PFAKE	LR	LR	02 39 40.00 +17
DWPF	KBS Kingsbay	116.77	355	PFAKE	LR	LR	02 39 30.00 +8.0
DWPF	Lisbon	116.89	52	PFAKE	LR	LR	02 39 40.00 +17
LPAZ	Coxs Mills	116.90	54	PFAKE	LR	LR	02 39 40.00 +17
LPAZ	Spitsbergen Ar	117.00	354	ePKPdf	PKIKP	LR	02 39 22.7 +0.2
059A	Birdtown, Kers	117.10	59	PFAKE	LR	LR	02 39 40.00 +16
059A	Mocksville	117.11	58	PFAKE	LR	LR	02 39 40.00 +16
PAULI	Sumter	117.13	60	PFAKE	LR	LR	02 39 40.00 +16
PAULI	Blacksburg	117.20	56	PFAKE	LR	LR	02 39 40.00 +16
R53A	New Hope	117.27	61	PFAKE	LR	LR	02 39 40.00 +16
R53A	Alegheny Cole	117.39	51	PFAKE	LR	LR	02 39 40.00 +16

ALLY	Marlinton	117.45	55	PFAKE	LR	LR	02 39 40.00 +15
R55A	Erie	117.50	51	PFAKE	LR	LR	02 39 40.00 +16
ERPA	Gilead	117.50	59	PFAKE	LR	LR	02 39 40.00 +15
ERPA	Moraine State	117.53	52	PFAKE	LR	LR	02 39 40.00 +15
W57A	Moraine State	117.53	52	P	PKPdf	LR	02 39 23.8 -0.7
W57A	Mont Chateau	117.66	54	PFAKE	LR	LR	02 39 40.00 +15
N54A	Scranton	117.73	60	PFAKE	LR	LR	02 39 40.00 +15
N54A	Oil Creek Stat	117.76	52	P	PKPdf	LR	02 39 24.9 -0.1
N54A	Oil Creek Stat	117.76	52	P	PKPdf	LR	02 39 24.9 -0.1
M54A	Sadova	117.98	48	PFAKE	LR	LR	02 39 40.00 +15
M54A	Rowland	118.02	59	PFAKE	LR	LR	02 39 40.00 +14
HSPB	Horslund (broa	118.11	353	ePKPdf	PKIKP	LR	02 39 25.2 +0.6
T57A	Hurt	118.14	57	PFAKE	LR	LR	02 39 40.00 +14
T57A	Marion Center	118.29	52	PFAKE	LR	LR	02 39 40.00 +14
N55A	ZEK Kipawa Sen	118.31	45	P	PKPdf	LR	02 39 25.8 0.0
D52A	Dark Hollow, R	118.38	56	PFAKE	LR	LR	02 39 40.00 +14
S57A	Ridgway	118.44	52	P	PKIKP	LR	02 39 27.2 +0.9
M55A	Appleton	118.44	50	PFAKE	LR	LR	02 39 40.00 +14
J54A	Medina	118.58	50	PFAKE	LR	LR	02 39 40.00 +14
J54A	Medina	118.58	50	P	PKIKP	LR	02 39 26.5 +0.1
MEDO	Blue Knob Stat	118.63	53	PFAKE	LR	LR	02 39 40.00 +13
MEDO	Blue Knob Stat	118.63	53	P	PKPdf	LR	02 39 26.4 -0.3
O56A	Hinsdale	118.65	51	P	PKPdf	LR	02 39 26.2 -0.5
O56A	Oxford	118.70	57	P	PKPdf	LR	02 39 25.2 -1.7
D53A	Lac Vacive, Po	118.78	45	PFAKE	LR	LR	02 39 40.00 +13
D53A	Lac Vacive, Po	118.78	45	P	PKPdf	LR	02 39 26.2 -0.5
BANO	Bancroft	118.82	48	P	PKPdf	LR	02 39 26.2 -0.7
M56A	Emporium	118.87	52	P	PKPdf	LR	02 39 26.1 -1.0
E53A	Dumoine, Ponti	118.88	46	P	PKIKP	LR	02 39 27.1 +0.1
Y60A	Bolivia	118.94	60	PFAKE	LR	LR	02 39 40.00 +13
Y60A	Mt. Morris Dam	119.01	50	PFAKE	LR	LR	02 39 40.00 +13
MMNY	Lebel-sur-Quev	119.02	43	P	PKPdf	LR	02 39 26.4 -0.7
MMNY	Hilton	119.04	50	PFAKE	LR	LR	02 39 40.00 +13
LSOQ	Deloro Mine	119.08	48	PFAKE	LR	LR	02 39 40.00 +13
J55A	Poland Farm, P	119.09	56	P	PKPdf	LR	02 39 26.7 -0.9
J55A	Poland Farm, P	119.09	56	P	PKPdf	LR	02 39 26.7 -0.9
DELO	Rapidan	119.12	55	P	PKPdf	LR	02 39 27.2 -0.4
S58A	Standing Stone	119.13	53	PFAKE	LR	LR	02 39 40.00 +12
S58A	Lac Daplat, Po	119.20	46	P	PKPdf	LR	02 39 26.7 -0.9
R58A	Mineral	119.22	56	PFAKE	LR	LR	02 39 40.00 +12
R58B	Mineral	119.22	56	P	PKPdf	LR	02 39 26.8 -1.0
CNNC	Cliffs of the	119.23	59	PFAKE	LR	LR	02 39 40.00 +12
CNNC	Littleton	119.31	57	PFAKE	LR	LR	02 39 40.00 +12
U59A	Amberson	119.34	53	P	PKPdf	LR	02 39 27.1 -1.0
U59A	Milroy	119.39	52				

CHGO	Chibougamau	120.56	42	P	PKPdf	02 39 30.0	0.0
L58A	Harry Jones Me	120.58	51	P	PKPdf	02 39 29.9	-0.5
KSPA	Keystone Colle	120.68	51	PFAKE	LR	02 39 40.0	+9.4
N59A	State Game Lan	120.72	52	PFAKE	LR	02 39 40.0	+9.2
N59A	State Game Lan	120.72	52	P	PKPdf	02 39 30.6	-0.1
V62A	Hyde County Ai	120.81	58	PFAKE	LR	02 39 40.0	+9.0
LVZ	Lozovero	120.88	341	PFAKE	LR	02 39 40.0	+1.0
M59A	Waymart	120.93	51	P	PKPdf	02 39 30.6	-0.5
S61A	Accomac	120.98	56	PFAKE	LR	02 39 40.0	+8.7
PSUB	Penn St. - Bra	121.03	53	PFAKE	LR	02 39 40.0	+8.6
LUPA	Lehigh Univers	121.05	52	PFAKE	LR	02 39 40.0	+8.6
LONY	Lake Ozonia	121.23	48	PFAKE	LR	02 39 40.0	+8.3
LONY	Lake Ozonia	121.23	48	P	PKPdf	02 39 31.3	-0.2
APA	Apacity	121.45	341	PFAKE	LR	02 39 41.5	+1.0
NCB	Newcomb	121.57	48	PFAKE	LR	02 39 40.0	+7.6
ODNJ	Ogdensburg	121.59	52	PFAKE	LR	02 39 40.0	+7.6
BRNJ	Basking Ridge	121.65	52	PFAKE	LR	02 39 40.0	+7.4
FRNY	Flat Rock	121.91	47	PFAKE	LR	02 39 40.0	+7.1
HAMC	Hammerfest	121.94	347	PFAKE	LR	02 39 31.7	-0.4
ACCN	Adirondack Com	122.04	49	PFAKE	LR	02 39 40.0	+6.7
CPNY	Central Park	122.10	52	PFAKE	LR	02 39 50.0	+1.0
BOSA	Boshy	122.11	219	PFAKE	LR	02 39 33.8	-0.1
TRY	Tryon	122.12	50	PFAKE	LR	02 39 50.0	+1.7
PAL	Palisades	122.12	52	PFAKE	LR	02 39 50.0	+1.7
PAL	Palisades	122.12	52	P	PKPdf	02 39 32.6	-0.7
SUMG	Summit	122.17	9	PFAKE	LR	02 39 40.0	+6.8
M61A	Granite Spring	122.20	51	P	PKPdf	02 39 33.4	0.0
ILULI	Ilulissat	122.29	15	PFAKE	LR	02 39 40.0	+7.0
ARCES	ARCCESS Array B	122.33	345	PFAKE	LR	02 39 31.8	-1.1
AREO	ARCCESS Array S	122.33	345	PFAKE	LR	02 39 33.4	+0.3
AREO	ARCCESS Array S	122.33	345	PFAKE	LR	02 39 32.4	-0.6
VT1	Waterbury	122.57	48	PFAKE	LR	02 39 50.0	+1.6
SDV	Santo Domingo	122.71	90	PFAKE	LR	02 39 34.7	-0.8
HNB	Hanover	122.99	49	PFAKE	LR	02 39 50.0	+1.5
QUAZ	Belchertown	123.14	50	PFAKE	LR	02 39 50.0	+1.5
LBNH	Lisbon	123.17	48	PFAKE	LR	02 39 50.0	+1.5
LBNH	Lisbon	123.17	48	P	PKPdf	02 39 34.7	-0.6
KTK1	Kautokoino	123.27	346	PFAKE	LR	02 39 35.0	0.0
MAK	Machackkala	123.29	311	PFAKE	LR	02 36 04.9	-2.4
AKT	Akhty	123.32	309	PFAKE	LR	02 39 38.1	+2.1
FFD	Franklin Falls	123.48	49	PFAKE	LR	02 39 50.0	+1.4
HRV	Adam Dzewonsk	123.69	50	PFAKE	LR	02 39 50.0	+1.3
SCHQ	Schefferville	123.72	35	PFAKE	LR	02 39 50.0	+1.4
TRO	Tromso	123.75	347	PFAKE	LR	02 39 36.3	+0.5
BRYW	Bryant College	123.79	51	PFAKE	LR	02 39 50.0	+1.3
WES	Weston	123.88	50	PFAKE	LR	02 39 50.0	+1.3
SFJD	Kangerlussuaq	123.98	17	PFAKE	LR	02 39 50.0	+1.4
BCX	Boston College	124.00	50	PFAKE	LR	02 39 50.0	+1.3
SDDR	Presa de Saban	124.02	78	PFAKE	LR	02 39 50.0	+1.2
WVL	Waterville	124.72	47	PFAKE	LR	02 39 50.0	+1.2
PKME	Peaks-Kenny Pk	124.83	46	PFAKE	LR	02 39 38.3	0.0
PKME	Peaks-Kenny Pk	124.83	46	P	PKPdf	02 39 38.4	0.0
POI	Presque Isle	125.39	44	PFAKE	LR	02 39 39.5	+0.1
RAYN	Ar Rayn	125.66	287	PFAKE	LR	02 39 41.6	+0.5
RAYN	Ar Rayn	125.66	287	PFAKE	LR	02 39 41.6	+0.5
GNI	Garni	125.75	308	PFAKE	LR	02 39 50.0	+9.1
GNI	Garni	125.75	308	PFAKE	LR	02 39 41.7	+0.8
MOS	Moscow	125.85	328	PFAKE	LR	02 39 35.1	-4.9
STEI	Steigen	125.92	348	PFAKE	LR	02 39 40.3	+0.1
ZEI	Tsey	125.94	311	PFAKE	LR	02 39 41.8	+0.5
SCO	Scoresbysund	125.98	4	PFAKE	LR	02 39 50.0	+1.0
LOFM	Lotofen	126.09	348	PFAKE	LR	02 39 40.1	0.0
EMMW	East Machias	126.22	47	PFAKE	LR	02 39 50.0	+8.5
LPSR	Galich'ya Gora	126.41	324	PFAKE	LR	02 39 42.1	+0.5
ATD	Arta Tunnel	126.45	272	PFAKE	LR	02 39 50.0	+7.1

ATD	comp-Z,2um,21.0s	126.47	312	PFAKE	LR	02 39 41.7	+0.1
KBZ	Khabaz	126.48	309	PFAKE	LR	02 39 43.0	+0.6
AKH	Akhalkalaki	126.48	309	PFAKE	LR	02 39 45.6	+3.2
AKH	Akhalkalaki	126.48	309	PFAKE	LR	02 39 43.0	+0.6
AKH	Akhalkalaki	126.48	309	PFAKE	LR	02 39 45.6	+3.2
AKH	Akhalkalaki	126.48	309	PFAKE	LR	02 39 43.0	+0.6
BATG	Bathurst New B	126.53	43	PFAKE	LR	02 39 42.2	+0.1
KIV	Kislodskov	126.57	313	PFAKE	LR	02 39 50.0	+7.6
KIV	Kislodskov	126.57	313	PFAKE	LR	02 39 43.5	+1.1
KIV	Kislodskov	126.57	313	PFAKE	LR	02 41 38.5	-0.3
KIV	Kislodskov	126.57	313	PFAKE	LR	02 58 41.2	-0.3
OBN	Obninsk	126.66	327	PFAKE	LR	02 39 42.2	+0.2
OBN	Obninsk	126.66	327	PFAKE	LR	02 39 42.2	+0.2
OBN	Obninsk	126.66	327	PFAKE	LR	02 39 42.8	+0.8
OBN	Obninsk	126.66	327	PFAKE	LR	02 39 49.5	-0.1
OBN	Obninsk	126.66	327	PFAKE	LR	02 51 30.6	-1.2
OBN	Obninsk	126.66	327	PFAKE	LR	02 58 37.1	-4.3
NEV	Neyrino	126.69	312	PFAKE	LR	02 39 44.7	+2.0
VSR	Storozhevoje	126.78	322	PFAKE	LR	02 39 42.5	+0.1
SPB	Sao Paulo	127.17	138	PFAKE	LR	02 40 00.0	+1.6
MOR	Moi Rana	127.58	347	PFAKE	LR	02 39 43.2	+0.1
BRNJ	Konsvik	127.58	347	PFAKE	LR	02 39 43.0	+0.2
LMN	Caledonia Moun	127.75	45	PFAKE	LR	02 40 00.0	+1.5
FINES	FINES Array B	127.78	338	PFAKE	LR	02 39 42.0	-1.5
KMBO	Kilima Mbogo	128.05	255	PFAKE	LR	02 40 00.0	+1.4
ANGG	Ammassalik, Gr	128.34	13	PFAKE	LR	02 40 00.0	+1.5
ANGG	San Juan	128.72	80	PFAKE	LR	02 40 00.0	+1.3
SJG	Sochi	128.75	313	PFAKE	LR	02 39 45.3	-0.6
SOC	Sochi	128.75	313	PFAKE	LR	02 41 47.8	-0.1
IVI	Ivigit	128.80	21	PFAKE	LR	02 40 00.0	+1.4
HAL	Halifax	128.91	46	PFAKE	LR	02 40 00.0	+1.3
NSS	Namsos	129.52	347	PFAKE	LR	02 39 46.4	-0.3
NRS	Narsarsuaq	129.77	20	PFAKE	LR	02 40 00.0	+1.2
FURI	Furi	129.84	268	PFAKE	LR	02 40 00.0	+1.0
PTGA	Pitinga	129.86	105	PFAKE	LR	02 39 49.1	+0.2
BBSR	BB Station	130.31	62	PFAKE	LR	02 40 00.0	+1.0
SMRT	St. Maarten	131.62	81	PFAKE	LR	02 40 00.0	+6.9
DOMB	Dombras	132.34	347	PFAKE	LR	02 40 00.6	-2.2
AKAS	Malin Array Be	132.67	325	PFAKE	LR	02 39 53.2	+0.1
AKAS	Malin Array Si	132.67	325	PFAKE	LR	02 43 18.1	+0.2
AKBB	Malin Array Si	132.67	325	PFAKE	LR	02 40 00.0	+5.8
NB2	NORSAR Subarray 32.71	132.71	345	PFAKE	LR	02 39 53.8	-0.3
NB20	NORSAR Array S 132.71	132.71	345	PFAKE	LR	02 39 52.7	-0.3
NOA	NORSAR Array B 132.71	132.71	345	PFAKE	LR	02 39 52.7	-0.3
HFS	Hagfors	132.80	343	PFAKE	LR	02 39 53.9	-0.3
NC602	NORSAR Array S 132.88	132.88	344	PFAKE	LR	02 39 53.3	-0.1
SKAR	Skarslia	132.72	346	PFAKE	LR	02 39 53.3	-1.6
ILGA	Ilgaz	133.72	311	PFAKE	LR	02 40 10.0	+1.3
TSUM	Tsumeb	133.75	221	PFAKE	LR	02 40 10.0	+1.2
SUW	Suwalki	133.81	332	PFAKE	LR	02 40 10.0	+1.4
BRTR	Keskin Array B	134.17	309	PFAKE	LR	02 39 54.8	-1.7
BRTR	Keskin Array B	134.17	309	PFAKE	LR	02 39 54.8	-1.7
MBAR	Mbarara	134.24	252	PFAKE	LR	02 40 10.0	+1.1
MMAI	Mount Meron Ar	134.24	300	PFAKE	LR	02 39 56.9	+0.2
KONO	Kongsberg	134.32	345	PFAKE	LR	02 40 10.0	+1.3
KIS	Kishinev	134.70	321	PFAKE	LR	02 39 57.0	-0.1
KIS	Kishinev	134.70	321	PFAKE	LR	02 42 40.0	+9.4
KIS	Kishinev	134.70	321	PFAKE	LR	02 43 29.0	-0.1
KIS	Kishinev	134.70	321	PFAKE	LR	02 39 57.0	-0.1
MILM	Milestii Mici	134.74	321	PFAKE	LR	02 39 58.2	-0.4
ANTO	Ankara	134.75	310	PFAKE	LR	02 40 10.0	+1.1
ANTO	Ankara	134.75	310	PFAKE	LR	02 40 02.1	+3.2
ANTO	Ankara	134.75	310	PFAKE	LR	02 40 02.1	+3.2
TLCR	Mathiasia	135.52	318	PFAKE	LR	02 40 02.2	+2.0
CSS	Mathiasia	135.58	303	PFAKE	LR	02 40 10.0	+9.3
MDUB	Mudurnu	135.72	311	PFAKE	LR	02 40 10.0	+9.1
LVV	L'vov	135.95	327	PFAKE	LR	02 40 03.9	+2.9
CFR	Carcalui	135.96	319	PFAKE	LR	02 40 02.3	+1.2
CFR	Carcalui	135.96	319	PFAKE	LR	02 40 02.3	+1.2
TIRR	Tirgusor	136.10	318	PFAKE	LR	02 40 10.0	+8.6
TLB	Topalu	136.28	318	PFAKE	LR	02 40 03.5	+1.7
HARR	Harsova	136.31	318	PFAKE	LR	02 40 04.0	+2.2
HARR	Harsova	136.31	318	PFAKE	LR	02 40 04.0	+2.2
BEL	Belsk	136.32	331	PFAKE	LR	02 40 04.1	+2.5
BIZ	Bicaz	136.35	322	PFAKE	LR	02 40 01.3	-0.6
VRI	Vrincioia	136.51	320	PFAKE	LR	02 40 02.0	-0.3
VRI	Vrincioia	136.51	320	PFAKE	LR	02 40 02.0	-0.3
BUR08	Bucovina Ar. S	136.51	323	PFAKE	LR	02 40 03.4	+1.1
BURAR	Bucovina Array	136.52	323	PFAKE	LR	02 40 03.4	+1.1

BURAR	Bucovina Array	136.52	323	PFAKE	LR	02 40 03.4	+1.1
PLOP	Plostinia	136.57	320	PFAKE	LR	02 40 10.8	+8.4
PLOP	Plostinia	136.57	320	PFAKE	LR	02 40 10.8	+8.4
KWP	Kalwaria Pacla	136.75	327	PFAKE	LR	02 40 04.2	+1.6
KWP	Kalwaria Pacla	136.75	327	PFAKE	LR	02 40 10.0	+7.4
KWP	Kalwaria Pacla	136.75	327	PFAKE	LR	02 40 04.2	+1.6
ISP	Isparta	137.05	308	PFAKE	LR	02 40 10.0	+6.3
MLR	Muntele Rosu	137.17	320	PFAKE	LR	02 39 59.2	-2.7
MLR	Muntele Rosu	137.17	320	PFAKE	LR	02 40 02.8	+0.9
MLR	Muntele Rosu	137.17	320	PFAKE	LR	02 40 03.3	-0.5
MLR	Muntele Rosu	137.17	320	PFAKE	LR	02 40 03.4	-0.4
KOLS	Kolonick sedl	137.40	326	PFAKE	LR	02 40 05.1	+1.1
KOLS	Kolonick sedl	137.40	326	PFAKE	LR	02 40 10.0	+6.2
RGN	Rugen	137.44	338	PFAKE	LR	02 40 03.8	-0.5
UZH	Uzhgorod	137.57	326	PFAKE	LR	02 40 14.3	-0.1
TRPA	Tarpa	137.73	325	PFAKE	LR	02 40 04.3	-0.6
VOIR	Voivodina	137.75	321	PFAKE	LR	02 40 04.3	-0.6
VOIR	Voivodina	137.75	321	PFAKE	LR	02 40 04.9	+0.1
OJC	Ojcow	137.85	329	PFAKE	LR		

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FWVZ, VRZ, TUUV, MHZ, etc.

MAN 19 03:21:18.1, 10:04N:123.12E, h23km, mb4.3/3, MS3.6, 2C, Cebu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SNPH, GUMJ, RCP, etc.

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

ISC/JB 19 03:43:38.0, 3.16, 33N, 0.04, 94.46W, 0.03, h97km, 3km, mb4.0/24, Error ellipse: s-maj=6.4km s-min=3.5km az=30.5

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANMO, TKL, TUC, etc.

ISC/JB 19 03:52:09.4, 1.4, 20.25S, 0.03, 70.96W, 0.05, h10km, 10km, mb3.8/6, Error ellipse: s-maj=7.3km s-min=4.6km az=4.6

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like mb4.4/60, MS4.0/5, Error ellipse: s-maj=13.4km, NEIC 19 05:05:49.4, 2.9, 21.025x113.43W, h9km, 3km, mb4.6/54, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRH Wood River Hill, CCB Clear Creek Bu, TWJ Pinland, etc.

MEX 19 04:51:01.0:0.6, 17.22N x 100.15W, h36km, 10km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CAIG EI Cayaco, CAIG CAIG, MEIG Mezcala, etc.

ISC 19 04:59:35.5:0.8, 12.59N x 143.74E, h0km, mb3.8/8, mb1.4/1.8, mb1mx3.7/36, mbmtpp3.8/8, MS2.2/2, Ms1.3/2.2, ms1mx2.7/37, Error ellipse: s-maj=28.3km s-min=17.1km az=123.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 319A Douglas, JCT Junction City, MNTX Cornudas Mount, etc.

OSPL 19 05:09:55.3:2.7, 17.62N x 68.77W, h0km, 95km, ML2.2, ISCJB 19 05:09:56.1:1.0, 17.67N x 101.68:82W, 0.04, h95km, Error ellipse: s-maj=4.7km s-min=4.7km az=13.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCDR Punta Cana, DR, PCDR Punta Cana, DR, DR12 Loma Pena Alt, etc.

ISC 19 04:59:38.4:0.4, 12.57N x 143.64E:0.10, h27km, mb4.3/20, MS3.1/2, Error ellipse: s-maj=16.6km s-min=8.3km az=140.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, GUMO Guam, GUMO Wake Island Hy 22 86, etc.

ISC 19 04:59:39.7:0.7, 12.62N x 143.8E:0.1, h27km, n42, a1903/35, mb4.5/20, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, GUMO Guam, GUMO Wake Island Hy 22 86, etc.

ISC 19 05:09:58.5:1.8, 17.9N x 101.68:77W, 0.05, h95km, n21, a1972/24, 9C-10, Mona Passage

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCDR Punta Cana, DR, PCDR Punta Cana, DR, DR12 Loma Pena Alt, etc.

ISC 19 05:14:30.3:0.9, 13.37N x 142.00E, h0km, mb4.1/5, mb1.4/4.5, mb1mx3.7/48, mbmtpp4.1/5, MS3.1/1, Ms1.3/1.1, ms1mx2.7/31, Error ellipse: s-maj=50.0km s-min=23.0km az=100.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S1 WAKE ISLAND Hy 22 87, H11S2 WAKE ISLAND Hy 22 87, H11N1 WAKE ISLAND Hy 23 32, etc.

ISC 19 05:14:30.3:0.9, 13.37N x 142.00E, h0km, mb4.1/5, mb1.4/4.5, mb1mx3.7/48, mbmtpp4.1/5, MS3.1/1, Ms1.3/1.1, ms1mx2.7/31, Error ellipse: s-maj=50.0km s-min=23.0km az=100.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIJL Sorong, H11N1 WAKE ISLAND Hy 24 66, H11N2 WAKE ISLAND Hy 24 67, etc.

NIED 19 05:18:00.33:40N, 131.80E, h80km, Mw3.8, Best double couple: M4.93000x10^14 NP1:336.00000, 868.00000, lambda=175.00000, NP2:3246.00000, 885.00000, lambda=22.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JMA 19 05:18:42.5, 33.35N x 131.76E, h75km, 1km, M3.5, 5C-5D, Broadband fault plane solution: P waves. NP1: 336.00000, 887.00000, 136.00000, NP2: 336.00000, 854.00000, 176.00000, Principal axes: NP1: 336.00000, Azm298.00000, NP2: 336.00000, Azm72.00000, NP3: 298.00000, Azm196.00000, Kyushu

ISC 19 05:05:44.8:1.1, 21.09S x 114.21W, h0km, mb3.9/8, mb1.4/2.8, mb1mx4.0/27, mbmtpp3.9/8, MS4.0/6, Ms1.4/0.6, ms1mx3.7/16, Error ellipse: s-maj=43.8km s-min=26.3km az=50.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISCJB 19 05:05:48.0:0.4, 20.91S x 114.11W:0.10, h10km

ISC 19 05:05:48.0:0.4, 20.91S x 114.11W:0.10, h10km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISCJB 19 05:05:48.0:0.4, 20.91S x 114.11W:0.10, h10km

ISC 19 05:20:08.2:0.4, 10.82S x 165.88E, h0km, mb4.7/26, mb1.4/9/28, mb1mx4.8/39, mbmtpp4.8/28, ML5.3/2, MS4.5/16, Ms1.4/5.16, ms1mx4.5/20, Error ellipse: s-maj=16.7km s-min=11.7km az=90.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ISCJB 19 05:20:08.2:0.4, 10.82S x 165.88E, h0km, mb4.7/26, etc.

BUI 19 05:20:09.0,0.0,10.80S;166.36E,h26km,mb4.9/44,
mB5.2/34,Ma4.9/31,Mz7.4/634
MOS 19 05:20:12.3,0.8,10.76S;165.69E,h33km,mb5.1/51,
MS4.7/8,Error ellipse: s-maj=8.9km s-min=8.1km az=95.5
GCMT 19 05:20:13.3,0.2,10.82S;0.01:165.55E;0.03:h85km,3km,
MW5.3/89,Moment Tensor Solution. s9,c9; s89,c148;
Duration: 1s1 Moment tensor: Scale 10¹⁷Nm;
Mn=0.99e-03; Mw=0.04+0.03; Ms=1.03e-02; Mn=0.08e-02;
Mw=0.30e-02; Mw=0.19e-03; Best double couple:
Mo:1.07100x10¹⁷ Np:1.700000; 65:1.00000;
1.92.00000; NP2=193.00000; 839.00000; 1.87.00000;
Principal axes: P:1.100 P:1.00 P:1.00; Azm:302.0000; N:
0.1170,Plg2.0000; Azm195.0000; P:-1.1310,Plg6.0000;
Azm105.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

NEIC 19 05:20:15.3,1.9,10.87S;165.80E,h49km,5km,mb5.1/210
Error ellipse: s-maj=14.3km s-min=7.8km az=60.0
ISCJB 19 05:20:15.1,0.1,10.95S;0.02:165.69E;0.03:h61km,
mb5.0/11,Error ellipse: s-maj=1.0km s-min=2.9km
az=0.7

ISC 19 05:20:16.6,0.2,10.94S;0.04:165.87E;0.05:h61km,n409,
r+135/421,mb5.0/11,6C-SD,Santa Cruz Islands

Code	Station Name	Δ ¹	AZ ²	Op	ISC	h	m	s	ISC	Time	Res
					Phase ID						
HNR	Honiara	6.02 284		Pn		05	21	40.1	-3.0		
HNR	Honiara	6.02 284		ePn		05	22	48.8	-2.9		
HNR	Honiara	6.02 284		eSn		05	22	48.8	-3.6		
HNR	Honiara	6.02 284		eS		05	21	40.0	-3.1		
HNR	Honiara	6.02 284		eS		05	22	53.0	+2.2		
MARNC	Mare, Loyalty	10.69 169		ePn		05	22	45.9	-1.1		
MARNC	Mare, Loyalty	10.69 169		eSn		05	24	42.3	-2.8		
DZM	Mont Dzumac	11.09 177		ePn		05	22	51.2	-1.3		
DZM	Mont Dzumac	11.09 177		eSn		05	24	45.0	-1.0		
DZM	Mont Dzumac	11.09 177		eLR		05	25	28.5			
DZM	Mont Dzumac	11.09 177		Pn		05	22	51.5	-1.0		
DZM	Mont Dzumac	11.09 177		Sn		05	24	52.3	-2.6		
DZM	Mont Dzumac	11.09 177		ePn		05	22	51.7	-0.8		
DZM	Mont Dzumac	11.09 177		eSn		05	24	53.1	-1.8		
ONTNC	Ouen Toro	11.32 177		ePn		05	22	54.8	-0.9		
ONTNC	Ouen Toro	11.32 177		eSn		05	24	47.5	-3.1		
PINNC	Pines Island,	11.71 173		ePn		05	23	00.3	-0.6		
PINNC	Pines Island,	11.71 173		eSn		05	25	09.9	-0.1		
TARA	Tarawa	14.08 30		ePn		05	23	30.2	-2.9		
TARA	Tarawa	14.08 30		eSn		05	26	04.0	-4.0		
PMG	Port Moresby	18.48 273		LR		05	31	31.2			
PMG	Port Moresby	18.48 273		eP		05	24	24.2	-3.6		
PATS	Pohnpei	19.19 337		eP		05	24	34.8	-0.8		
EIDS	Eidsvold	20.06 222		P		05	24	45.5	+0.5		
EIDS	Eidsvold	20.06 222		P		05	24	45.3	+0.3		
MANU	Manus Island	20.39 294		P		05	24	47.3	-1.3		
CTA	Charters Tower	20.96 242		P		05	24	55.0	+0.2		
CTA	Charters Tower	20.96 242		P		05	24	55.4	+0.6		
CTA	Charters Tower	20.96 242		eP		05	24	55.4	+0.6		
CTA	Charters Tower	20.96 242		ePmax		05	24	55.4	+0.6		
MTSU	Mount Surprise	22.05 249		P		05	25	05.6	-0.9		
RMQ	Roma	22.36 224		P		05	25	10.0	+0.3		
COEN	Coen	22.36 260		eP		05	25	07.5	-2.4		
ARMA	Armidade	23.48 212		P		05	25	21.4	+0.3		
ARMA	Armidade	23.48 212		P		05	25	21.6	+0.6		
OUZ	Omahuta	25.18 165		eP		05	25	38.1	+1.8		
OUZ	Omahuta	25.18 165		P		05	25	38.2	+1.9		
QIS	Mount Isa	26.99 246		P		05	25	52.5	-0.5		
KUZ	Kuautou	27.19 163		P		05	26	05.9	+1.1		
CMKAZ	Moumakai	27.37 164		P		05	25	56.8	+0.8		
CMKAZ	Cobar Meteorol	27.73 219		P		05	25	59.4	0.0		
TOZ	Tahuroa Road	28.05 164		P		05	26	05.0	+2.9		
WHRZ	Whale Island	28.60 161		P		05	26	13.6	+6.5		
HIZ	Haiti	28.61 165		P		05	26	08.7	+1.6		
TLZ	Tolley Road	28.62 162		P		05	26	08.8	+1.5		
WARZ	Mauawaha	28.62 162		P		05	26	09.5	+2.3		
OMRZ	Omberia	28.64 163		P		05	26	10.8	+3.3		
CAN	Canberra	28.72 210		eP		05	26	09.2	+1.0		
CAN	Canberra	28.72 210		ePmax		05	26	09.2	+1.0		
EDRZ	Edgecumbe	28.75 162		P		05	26	15.4	+6.8		
HAZ	Te Kaha	28.77 160		P		05	26	10.7	+2.1		
MXZ	Matakaoa Point	28.77 159		eP		05	26	09.3	+0.7		
MXZ	Matakaoa Point	28.77 159		P		05	26	08.5	-0.1		
RUGZ	Raukumara Rang	28.92 160		P		05	26	10.3	+0.2		
PKGZ	Pakihoro	28.99 160		P		05	26	11.1	+0.5		
URZ	Urewera	29.01 162		P		05	26	11.0	+0.3		
URZ	Urewera	29.01 162		S		05	31	01.9	+4.3		
URZ	Urewera	29.01 162		eP		05	26	10.8	+0.2		
URZ	Urewera	29.01 162		P		05	26	10.9	+0.2		
WMGZ	Waioamatatini S	29.04 159		P		05	26	12.0	+1.0		
MUGZ	Murupara	29.11 162		P		05	26	13.5	+2.0		
NEZ	North Egmont	29.15 167		P		05	26	20.4	+8.4		
VRZ	Vera Road	29.17 166		P		05	26	16.4	+4.3		
MWZ	Matawai	29.21 161		P		05	26	12.5	0.0		
TWZ	Tauwiharepare	29.21 160		P		05	26	12.2	-0.4		
H1S2	WAKE ISLAND Hy	29.25 2	T			05	56	33.0			
H1S3	WAKE ISLAND Hy	29.25 2	T			05	56	22.5			
H1S1	WAKE ISLAND Hy	29.27 2	T			05	56	23.5			
TWVZ	Taurewa	29.29 165		P		05	26	14.6	+1.3		
RTZ	Ruatuhuna	29.30 162		P		05	26	12.9	-0.4		
RAGZ	Rawiri	29.31 163		P		05	26	13.3	0.1		
WTVZ	West Tongariro	29.37 164		P		05	26	16.0	+2.0		
TKGZ	Te Karaka	29.41 161		P		05	26	15.3	+1.1		
NGZ	Ngaruhoe	29.43 164		P		05	26	16.3	+1.7		
FWVZ	Far West T-bar	29.49 165		P		05	26	16.3	+1.1		
SNZG	Shannon Statio	29.56 162		P		05	26	16.2	+0.6		
RAHZ	Arahi	29.61 162		P		05	26	20.6	+1.3		
RIGZ	Rimuhau	29.62 161		P		05	26	17.0	+0.8		
BKZ	Black Stump Fm	29.66 163		eP		05	26	16.1	-0.4		
BKZ	Black Stump Fm	29.66 163		P		05	26	17.4	+0.8		
MOVZ	Moawhango	29.67 163		P		05	26	17.9	+0.6		
WAZ	Wanganui	29.82 166		P		05	26	21.4	+3.5		
PRGZ	Paritiro Road	29.86 161		P		05	26	20.0	+1.7		
KNZ	Knokohu	29.88 161		P		05	26	20.2	+1.8		
ARHZ	Aropoanui	29.90 163		P		05	26	19.5	+0.9		
MOHZ	McNeill Hill	29.98 163		P		05	26	20.6	+1.3		
KRHZ	Kereru	30.07 164		P		05	26	20.0	0.5		
MHGZ	Mahia Peninsula	30.08 161		P		05	26	21.2	+1.0		
H1N1	WAKE ISLAND Hy	30.47 2	T			05	58	06.5			
H1N3	WAKE ISLAND Hy	30.48 2	T			05	58	09.6			
WPHZ	Waipukurau	30.49 164		P		05	26	23.8	0.0		
H1N2	WAKE ISLAND Hy	30.49 2	T			05	57	55.0			

STKA	Stephens Creek	30.61 223	P	P		05	26	25.4	+0.5
STKA	Stephens Creek	30.61 223	P	PcP		05	29	23.9	+1.6
STKA	Stephens Creek	30.61 223	eP	LR		05	38	19.9	
STKA	Stephens Creek	30.61 223	eP	P		05	26	25.7	+0.8
STKA	Stephens Creek	30.61 223	P	P		05	26	24.4	-0.5
STKA	Stephens Creek	30.61 223	P	P		05	26	25.1	+0.2
POWZ	Post Office Ro	30.62 165	P	P		05	26	27.3	+0.1
GNWZ	Olaki Gorge	30.87 166	P	P		05	26	27.1	+2.0
INZ	Nelson	31.08 169	P	P		05	26	27.5	-0.9
BFZ	Birch Farm	31.01 165	eP	P		05	26	30.9	+0.5
SNZO	South Karori	31.24 167	eP	P		05	26	31.8	+0.7
THZ	Tophouse	31.32 170	eP	P		05	26	33.6	-0.5
WRAB	Tennant Creek	31.63 250	eP	Pmax		05	26	32.4	-1.8
WBZ	Warramunga Arr	31.63 250	eP	P		05	26	32.7	-1.5
WRA	Warramunga Arr	31.64 250	P	P		05	26	40.0	+0.8
TOO	Toolangi	32.23 211	P	P		05	26	44.5	+1.7
FZZ	Fox Glacier	32.65 175	eP	P		05	26	43.9	+0.2
KDU	Kakadu	32.76 264	P	P		05	26	43.9	-1.8
AS31	Alice Springs	32.95 243	eP	P		05	26	44.0	-1.7
ASAR	Alice Springs	32.95 243	P	P		05	29	29.1	+0.2
ASAR	Alice Springs	32.95 243	P						

Table with columns: PVAQ, Vaqueiros, 153.02 349 eLR, LR, 06 39 51.7, etc.

UCR 19 05:23:19.5:1.4, 71.47N, 86.22W, h14km, 11km, MW3.5,

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

UCR 19 05:48:29.0:7.0, 7.826N, 83.05W, h1km, 5km, MD4.0,

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

KRSC 19 06:11:20.6:2.2, 51.40N, 161.57E, h62km, 42km, ML3.5,

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

ISCJB 19 06:36:21.3:0.2, 2.38N, 0.03, 98.93E, 0.03, h152km, 2km,

ISCJB 19 06:36:21.3:0.2, 2.38N, 0.03, 98.93E, 0.03, h152km, 2km, mb4.2/33, Error ellipse: s-maj=6.0km s-min=4.0km az=147.8

IDC 19 06:36:21.5:0.6, 2.33N, 98.84E, h142km, 3km, mb3.8/18, mb1.3/9/19, mb1mx3.8/49, mbtmp4.3/19, Error ellipse: s-maj=16.7km s-min=12.0km az=51.0

NEIC 19 06:36:22.7:2.5, 2.43N, 98.90E, h146km, 5km, mb4.2/15, Error ellipse: s-maj=12.8km s-min=8.3km az=68.0

DJA 19 06:36:22.6:0.4, 2.2N, 2.9'E, h138km, 4km, M4.0/13, ML4.0/13

ISC 19 06:36:22.4:0.5, 2.38N, 0.04, 98.88E, 0.04, h142km, 4km,

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

Table with columns: KMI, KMI, comp=Z, 8.0nm, 0.7s, sP, sP, 06 42 01.3 +2.4, etc.

Table with columns: LUWI, Luwuk, 24.13 98 eP, pmax, pmax, 06 41 26.7 +1.3, etc.

Table with columns: WHN, Wuhan, 31.61 26 pP, P, 06 42 34.8 +2.8, etc.

Table with columns: XAN, Xi'an, 32.87 15 p, pmax, pmax, 06 42 40.8 -2.1, etc.

Table with columns: XAN, comp=Z, 1.7nm, 0.6s, pmax, pmax, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

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Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

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Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: LZH, Lanzhou, 33.86 7 eP, pP, pP, 06 42 56.0 +4.4, etc.

Table with columns: BKI, Bering, 4.38 43 eP, Pn, 06 45 10.8 +0.4, etc.

KRSC 19 06:44:55.0:1.6, 52.04N, 160.71E, h14km, 26km, ML3.8,

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

IDC 19 06:53:19.2:3.1, 53.65N, 88.03E, h0km, mb1.2/7.2,

mb1mx2.6/3.6, mbtmp2.7/2, ML2.4/2, Error ellipse: s-maj=24.9km s-min=17.0km az=57.0, Southwestern Siberia

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

MAN 19 07:04:04.8, 6.85N, 124.24E, h32km, mb3.7, ML2.4, MS1.9,

IC-1D, Mindanao

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

DDA 19 07:28:33.7, 39.49N, 27.96E, h7km, 6km, ML2.6,

ISCJB 19 07:28:34.0, 0.4, 39.49N, 0.02, 27.95E, 0.03, h5km, 4km, Error ellipse: s-maj=3.7km s-min=3.4km az=25.2

ISK 19 07:28:34.4, 39.50N, 27.95E, h9km, ML2.5/1.6

ISC 19 07:28:34.0:1.0, 39.47N, 0.02, 27.98E, 0.02, h7km, 9km, n26, e086/38, Turkey

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

ULDT, Uludag, 1.12 53 iP, P, 07 28 55.0 -0.8

BAYC, Bayrakli, 1.15 34N, 1.17 34E, S, S, 07 28 55.0 -0.2

MDNY, Mudanya-Bursa, 1.14 38 PN, Pn, 07 28 57.1 +0.7

MRMT, Marmara Adasi, 1.15 90 PN, Pn, 07 28 57.3 +0.2

GDZ, Gediz, 1.23 108 iP, Pn, 07 28 56.5 -1.2

ARMT, Armutlu, 1.29 32 PN, P, 07 28 58.8 +0.1

EZN, Ezine, 1.32 286 PN, P, 07 28 59.9 +0.5

EKN, Sarkoy-Tekirda, 1.36 334 PN, P, 07 28 59.2 -0.3

GELI, Tayfur-Gelibol, 1.48 309 PN, P, 07 29 01.3 -0.5

EZC, Bozcaada, 1.53 285 PN, P, 07 29 01.7 0.0

SIGR, Sigirli, 1.66 292 PN, P, 07 29 03.7 +0.1

CHOS, Chios island, 1.85 235 PN, P, 07 29 06.6 +0.4

ALAN, Alexandroupoli, 2.05 315 PN, P, 07 29 09.1 +0.2

BUI 19 07:28:47.6:0.0, 3.65S, 139.85E, h57km, mb4.7/32,

mb4.9/18, Ms4.7/4, Ms7.4/71

ISCJB 19 07:28:50.0:0.8, 3.51S, 0.03, 139.43E, 0.05, h57km, 7km, mb4.6/56, Ms3.5/14, Error ellipse: s-maj=7.5km

IDC 19 07:28:50.7:0.7, 3.48S, 139.40E, h48km, 6km, mb4.2/13, mb1.4/17, mb1mx3.3/3.5, mbtmp4.6/17, MS3.4/16, Ms1.3/4.16, ms1mx3.3/2.7, Error ellipse: s-maj=22.9km s-min=12.2km az=76.0

NEIC 19 07:28:50.8:2.0, 3.56S, 139.35E, h51km, 5km, mb4.8/50, Error ellipse: s-maj=11.3km s-min=10.5km az=210.0

DJA 19 07:28:55.0:0.5, 2.5S, 13.9E, h10km, M5.3/6, mb5.4/3, mb5.7/2, ML5.3/6, Mw(mb)5.2/2

ISC 19 07:28:51.0:0.6, 3.54S, 0.05, 139.39E, 0.07, h49km, 5km,

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like GENI, SRPI, BAKI, FAKI, MANU, etc.

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

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

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like I46R, ZAA, ZAA, ZAA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 983-999.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 1000-1100.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for stations 1101-1200.

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like KMI, ZEA, GYA, WHN, YAK, etc.

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like AKBB, ILGA, BR101, etc.

Table with columns for station name, elevation, frequency, and other parameters. Includes stations like SCM, MENT, DAWY, etc.

Code Station Name A' AZ' Phase ID Time Res
STG3 Santiaguito 3, 1.11 2 Op ISB
FUG Fuego 3, 1.13 41 Op Pb
PCG Pacayo, 1.25 51 Op Pb
THIG, 1.45 334 Op Pn
NBG Las Nubes, 1.57 51 Op Pb

RABL	comp=Z,45nm,0.5s	LR	LR		
TAOE	comp=Z,3um,21.0s Nuku Hiva Isla comp=Z,67nm,1.1s	39.98 65	eP	P	11 48 14.9 -0.4
TAOE	comp=Z,3um,19.0s Port Moresby	40.05 294	PFAKE	LR	11 48 30.0 +1.4
PMG	comp=Z,6um,21.0s Buckleboo	40.39 254	eP	P	11 48 17.9 -0.5
BBOO	comp=Z,181nm,1.5s		LR	LR	
BBOO	comp=Z,3um,18.0s Buckleboo baz=40,SNR=13	40.39 254	P	P	11 48 18.1 -0.3
COEN	comp=Z,36nm,1.4s Coen	40.78 285	eP	P	11 48 21.4 -0.4
COEN	comp=Z,6um,20.0s Coen	40.78 285	P	P	11 48 20.8 -1.0
COEN	comp=Z,41,SNR=7.3 Mount Isa	40.84 273	P	P	11 48 21.0 -1.3
KWAJ	comp=Z,5.5,SNR=5.5 Kwajalein Atol	42.09 336	PFAKE	LR	11 48 40.0 +7.6
KWAJ	comp=Z,4um,21.0s Manus Island comp=Z,187nm,1.5s	44.62 302	eP	P	11 48 52.5 -0.4
AS31	comp=Z,5.2nm,0.6s Alice Springs	44.62 266	eP	P	11 48 51.4 -1.6
ASAR	comp=Z,9.6nm,0.8s,baz=104,slow=7.3,SNR=70 Alice Springs	44.62 266	P	P	11 48 51.0 -2.0
ASAR	comp=Z,9.7nm,0.8s,baz=103,slow=5.4,SNR=6.2 PcP		LR	LR	12 07 48.3
ASAR	comp=Z,4um,18.8s,baz=112,slow=37 Warrungua Arr	45.61 271	PFAKE	LR	11 49 10.0 +9.2
WC2	comp=Z,5um,21.0s Warrungua Arr comp=Z,53nm,0.7s	45.61 271	eP	P	11 48 59.2 -1.6
WB2	comp=Z,5um,22.0s Tennant Creek	45.62 271	eP	P	11 48 58.9 -2.0
WRAB	comp=Z,45nm,0.7s Tennant Creek	45.62 271	eP	P	11 48 59.0 -1.9
WRAB	comp=Z,5um,22.0s Tennant Creek	45.62 271	eP	P	11 48 59.0 -1.9
WRAB	comp=Z,37nm,0.6s Warrungua Arr	45.62 271	P	P	11 48 58.5 -2.4
WRA	comp=Z,31nm,0.6s,baz=104,slow=7.5,SNR=132 Warrungua Arr	45.62 271	P	P	11 48 58.5 -2.4
WRA	comp=Z,30nm,0.6s Warrungua Arr	45.63 271	PFAKE	LR	11 49 10.0 +9.0
WC1	comp=Z,3um,21.0s Forest	47.48 255	eP	P	11 49 14.2 -1.1
FORT	comp=Z,74nm,0.8s Forest	47.48 255	eP	P	11 50 46.3 +1.0
FORT	comp=Z,4um,22.0s Scott Base	48.00 185	eP	P	11 49 22.1 +3.4
SBA	comp=Z,48nm,1.0s		LR	LR	
SBA	comp=Z,2um,21.0s Scott Base	48.00 185	eP	P	11 49 22.1 +3.4
SBA	comp=Z,48nm,1.0s		MLR	MLR	
VNDA	comp=Z,2um,21.0s Vanda	48.10 186	P	P	11 49 21.8 +2.3
VNDA	comp=Z,9.3nm,0.8s,baz=5.2,slow=8.0,SNR=33	48.10 186	P	P	12 06 01.9
VNDA	comp=Z,2um,21.4s,baz=30,slow=32 Vanda	48.10 186	eP	P	11 49 22.7 +3.2
WRKA	comp=Z,42nm,1.6s Warakurna	49.87 262	P	P	11 49 24.8 -2.2
GENI	comp=Z,49,SNR=44 Genyem	49.70 295	P	P	11 49 35.4 +2.9
KDU	comp=Z,50,SNR=5.6 Kakadu	50.44 279	P	P	11 49 37.6 -0.6
MTN	comp=Z,12nm,0.7s Manton Dam	51.51 278	eP	P	11 49 45.2 -1.1
MTN	comp=Z,5um,20.0s Manton Dam	51.51 278	P	P	11 49 44.5 -1.8
WAKE	comp=Z,51,SNR=5.3 Wake Island	52.22 339	PFAKE	LR	11 50 00.0 +8.8
KNRA	comp=Z,3um,20.0s Kunururra	52.23 273	P	P	11 49 50.2 -1.4
KHU	comp=Z,52,SNR=13 Kahuku	53.34 25	PFAKE	LR	11 50 10.0 +1.0
KHLU	comp=Z,2um,21.0s Kahalu'u	53.56 24	PFAKE	LR	11 50 10.0 +8.7
MLOA	comp=Z,2um,21.0s Mauna Loa Obse	53.62 24	PFAKE	LR	11 50 10.0 +7.8
MLH	comp=Z,2um,20.0s Mauna Loa	53.65 25	eP	P	11 50 01.9 -0.3
MLH	comp=Z,189nm,1.6s Humu'ula Shep	53.72 24	eP	P	11 50 02.0 -0.7
SAUI	comp=Z,324nm,1.6s Saumlaki	53.82 283	PFAKE	LR	11 50 20.0 +1.7
POHA	comp=Z,4um,20.0s Pohakuloa	53.84 24	PFAKE	LR	11 50 20.0 +1.6
HPAH	comp=Z,2um,22.0s Hawaii Prepara	54.03 24	eP	P	11 50 04.4 -0.4
CASY	comp=Z,2um,19.0s Casey	55.72 208	eP	P	11 50 17.9 +1.6
FAKI	comp=Z,40nm,0.8s Fak Fak	55.83 289	eP	P	11 50 17.2 -0.7
MEEK	comp=Z,56nm,1.3s Meekatharra	56.63 257	P	P	11 50 22.1 -1.4
PSAD2	comp=Z,57,SNR=6.0 Pilbara Seismi	57.34 263	PFAKE	LR	11 50 40.0 +1.1
PSAC2	comp=Z,3um,21.0s Pilbara Seismi	57.41 263	PFAKE	LR	11 50 40.0 +1.1
PSAB3	comp=Z,4um,18.0s Pilbara Seismi	57.44 263	PFAKE	LR	11 50 40.0 +1.1
PSAB2	comp=Z,5um,19.0s Pilbara Seismi	57.45 263	PFAKE	LR	11 50 40.0 +1.1
PSAC3	comp=Z,4um,19.0s Pilbara Seismi	57.45 263	PFAKE	LR	11 50 40.0 +1.1
PSA00	comp=Z,4um,21.0s Pilbara Seismi	57.46 263	PFAKE	LR	11 50 40.0 +1.1
PSAA2	comp=Z,5um,19.0s Pilbara Seismi	57.46 263	PFAKE	LR	11 50 40.0 +1.1
PSAA1	comp=Z,5um,19.0s Pilbara Seismi	57.46 263	PFAKE	LR	11 50 40.0 +1.1
PSAB1	comp=Z,1um,20.0s Pilbara Seismi	57.48 263	PFAKE	LR	11 50 40.0 +1.1
PSAD3	comp=Z,5um,19.0s Pilbara Seismi	57.49 263	PFAKE	LR	11 50 40.0 +1.0
PSAC1	comp=Z,4um,18.0s Pilbara Seismi	57.51 263	PFAKE	LR	11 50 40.0 +1.0
PSAD1	comp=Z,5um,18.0s Pilbara Seismi	57.52 263	PFAKE	LR	11 50 40.0 +1.0
GUMO	comp=Z,610nm,21.9s Guam	57.67 314	eP	P	11 50 30.0 -0.9

GUMO	comp=Z,162nm,1.5s		LR	LR	
GUMO	comp=Z,1um,20.0s Guam	57.67 314	eP	P	11 50 30.0 -0.9
GUMO	comp=Z,162nm,1.5s		MLR	MLR	
GUMO	comp=Z,1um,20.0s Marble Bar	57.72 263	PFAKE	LR	11 50 40.0 +8.7
MORW	comp=Z,4um,18.0s Morawa	57.94 253	eP	P	11 50 31.8 -1.0
MORW	comp=Z,30nm,1.1s Morawa	57.94 253	P	P	11 50 31.7 -1.0
MORW	comp=Z,3um,20.0s Morawa	57.94 253	P	P	11 50 31.7 -1.0
MIDW	comp=Z,58,SNR=6.9 Midway	58.45 359	PFAKE	LR	11 50 50.0 +1.4
MIDW	comp=Z,3um,21.0s Soe	58.88 277	eP	P	11 50 39.5 -0.1
SOEI	comp=Z,44nm,1.1s		LR	LR	
SARN	comp=Z,5um,22.0s Sarigan	59.53 317	PFAKE	LR	11 51 00.0 +1.6
SARN	comp=Z,2um,20.0s South Pole Qui	59.56 180	P	P	11 50 46.1 +2.5
QSPA	comp=Z,75nm,0.9s,baz=46,slow=2.0,SNR=211 South Pole Qui	59.56 180	eP	P	11 50 46.3 +2.7
QSPA	comp=Z,94nm,0.9s		LR	LR	
MMRI	comp=Z,3um,20.0s Maurere	61.18 277	eP	P	11 50 54.9 -0.3
MMRI	comp=Z,97nm,1.3s		LR	LR	
GIRL	comp=Z,2um,21.0s Giralia	61.81 259	eP	P	11 50 59.1 -0.3
GIRL	comp=Z,555nm,1.6s		LR	LR	
GIRL	comp=Z,4um,21.0s Giralia	61.81 259	P	P	11 50 58.5 -0.9
KAPI	comp=Z,62,SNR=4.0 Kappang	65.14 279	PFAKE	LR	11 51 30.0 +8.5
KAPI	comp=Z,2um,22.0s Kidapawan	67.43 293f	eP	P	11 51 32.5 -3.7
JAGI	comp=Z,68,20.0s Jajag, Banyuwa	68.20 273	PFAKE	LR	11 51 50.0 +8.9
JAGI	comp=Z,2um,20.0s		LR	LR	
MAW	comp=Z,22nm,0.8s,baz=136,slow=7.3,SNR=45 Mawson	72.69 200	P	P	11 52 09.6 +2.0
MAW	comp=Z,1um,21.9s,baz=118,slow=34		LR	LR	12 22 05.8
MAW	comp=Z,7.1nm,0.9s	72.69 200	eP	P	11 52 09.3 +1.7
MAW	comp=Z,400nm,19.0s Mawson	72.69 200	P	P	11 52 09.6 +2.0
MAW	comp=Z,240nm,19.0s Mawson	72.69 200	eP	P	11 52 09.3 +1.7
MAW	comp=Z,7.0nm,0.9s		MLR	MLR	
CISI	comp=Z,2um,20.0s Cisompet, Garu	74.11 271	PFAKE	LR	11 52 30.0 +1.3
CISI	comp=Z,2um,20.0s Christmas Isla	74.56 267	PFAKE	LR	11 52 30.0 +1.0
LEM	comp=Z,2um,20.0s Lembang	74.64 271	P	P	11 52 20.8 +0.6
SBUM	comp=Z,36nm,0.7s,baz=45,slow=4.0,SNR=8.2 Sibu	75.44 282	PFAKE	LR	11 52 40.0 +1.5
SBUM	comp=Z,700nm,22.0s Kuching	76.55 280	eP	P	11 52 29.8 -1.1
KSM	comp=Z,14nm,0.7s		LR	LR	
KSM	comp=Z,700nm,22.0s		LR	LR	
SYO	comp=Z,77.30 192f		P	P	11 52 34.0 -0.2
SYO	comp=Z,77.30 192f		P	P	11 52 37.6 +3.4
SNA	comp=Z,77.95 178		P	P	11 52 39.1 +1.2
SNA	comp=Z,77.95 178		eP	P	11 52 38.8 +0.9
SNA	comp=Z,2um,22.0s Sanae	77.95 178	iP	P	11 52 37.9 0.0
SNA	comp=Z,78.04 176		P	P	11 52 39.0 +0.6
VNA1	comp=Z,78.71 176		P	P	11 52 43.4 +1.4
MJAR	comp=Z,79.25 324		P	P	11 52 45.6 +0.2
MAJO	comp=Z,5.1nm,0.9s,baz=164,slow=6.0,SNR=11 Matsushiro	79.25 324	P	P	11 52 45.0 -0.4
MAJO	comp=Z,14nm,0.8s Matsushiro	79.25 324	iP	P	11 52 44.7 -0.7
MAJO	comp=Z,11nm,1.0s Matsushiro	79.25 324	P	P	11 52 45.2 -0.2
MAT	comp=Z,79.25 324		S	S	12 02 43.2 -0.6
MJB5	comp=Z,15nm,0.8s Yonaguni jima	79.88 306	PFAKE	LR	11 53 00.0 +1.1
YOJ	comp=Z,700nm,21.0s Manna	79.89 271	PFAKE	LR	11 53 00.0 +1.1
MNAI	comp=Z,3um,22.0s Yuzh-Kuril'sk	80.41 304	eP	P	11 52 51.5 -0.4
YULB	comp=Z,21nm,1.5s Nakatsue	80.69 317	PFAKE	LR	11 53 00.0 +6.7
JNU	comp=Z,800nm,22.0s Paso Flores	81.28 132	P	P	11 52 58.7 +2.1
PLCA	comp=Z,13nm,1.1s,baz=224,slow=4.9,SNR=10 Paso Flores	81.28 132	eP	P	12 20 16.3
PLCA	comp=Z,2um,21.6s,baz=276,slow=29 Paso Flores	81.28 132	eP	P	11 52 57.3 +0.7
PLCA	comp=Z,32nm,1.3s Paso Flores	81.28 132	eP	P	11 52 57.3 +0.7
ERM	comp=Z,32nm,1.3s Erino	81.33 331	PFAKE	LR	11 53 10.0 +1.4
ERM	comp=Z,2um,21.0s Yuzh-Kuril'sk	81.92 333	eP	P	11 52 59.5 +0.1
YUK	comp=Z,81.92 333		e	e	11 53 09.4
YUK	comp=Z,81.92 333		ePPP	PPP	11 57 55.2
YUK	comp=Z,81.92 333		eS	S	12 03 10.7 -0.7
YUK	comp=Z,81.92 333		eSS	SS	12 08 30.4 -0.7
YUK	comp=Z,81.92 333		eSSS	SSS	12 11 56.9
YUK	comp=Z,112um,1.3s		pmx	pmx	
YUK	comp=Z,104nm,1.4s		pmx	pmx	
YUK	comp=E,67nm,0.7s		pmx	pmx	
YUK	comp=N,129nm,1.1s Kanaga Island	82.06 359	eP	P	11 53 00.1 +0.1
KIWB	comp=N,117nm,0.8s Adak	82.08 360	eP	P	11 52 59.9 -0.2
ADK	comp=Z,1um,22.0s Adak	82.08 360	eP	P	11 52 59.9 -0.2
ADK	comp=Z,117nm,0.8s		MLR	MLR	
KUR	comp=Z,1um,22.0s Kuril'sk	82.19 335d	iP	P	11 53 04.0 +3.2
KUR	comp=E,599nm,17.0s		eS	MLR	12 03 19.9 +5.8
KUR	comp=Z,652nm,17.0s Kota Tinggi	82.22 277	eP	P	11 53 01.0 -0.8
MYKOM	comp=Z,13nm,0.8s		LR	LR	
GSTR	comp=Z,1um,20.0s Great Silk'n T	82.30 0	P	P	11 53 01.2 0.0
OZH	comp=Z,83.30 304		P	P	11 53 09.3 +2.2
OZH	comp=Z,83.30 304		S	S	12 03 22.3 -4.0
OZH	comp=Z,610nm,21.9s Shemya	83.36 354	eP	P	11 53 06.2 -0.5

SMY	comp=Z,2um,22.0s Shemya	83.36 354	eP	P	11 53 06.2 -0.5
SMY	comp=Z,80nm,1.1s		MLR	MLR	
SMY	comp=Z,2um,22.0s Nikolski High	83.42 4	PFAKE	LR	11 53 20.0 +1.3
NIKH	comp=Z,1um,22.0s Huala	83.46 127	eP	P	11 53 08.3 +0.3
GO05	comp=Z,31nm,1.2s		LR	LR	
GO05	comp=Z,2um,20.0s Santa Cruz Isl	83.51 44	P	P	11 53 08.7 +0.7
SBC	comp=Z,83.77 44		P	P	11 53 10.3 +1.0
CIS	comp=Z,83.85 45		P	P	11 53 10.4 +0.6
BKNI	comp=Z,83.89 274		PFAKE	LR	11 53 20.0 +1.0
BLG	comp=Z,2um,21.0s Laguna Peak, P	83.93 45	P	P	11 53 10.9 +0.7
SRIG	comp=Z,83.94 54		PFAKE	LR	11 53 20.0 +1.0
SRIG	comp=Z,2um,20.0s McPherson Peak	84.02 44	P	P	11 53 11.6 +0.8
FMP	comp=Z,84.14 45		P	P	11 53 11.2 0.0
SMMC	comp=Z,84.21 43		P	P	11 53 12.2 +0.6
109C	comp=Z,84.32 47		P	P	11 53 12.5 +0.3
CPE	comp=Z,84.32 47		PFAKE	LR	11 53 20.0 +7.9
PAGB	comp=Z,84.35 43		eP	P	11 53 13.1 +0.8
PAGB	comp=Z,2um,20.0s San Andreas Ge	84.38 41	PFAKE	LR	11 53 20.0 +7.6
SAO	comp=Z,84.45 47		eP	P	11 53 13.1 +0.2
BAR	comp=Z,43nm,1.5s		LR	LR	
UNV	comp=Z,84.47 6		PFAKE	LR	11 53 20.0 +7.6
UNV	comp=Z,1um,21.0s Green Verdugo	84.48 45	P	P	11 53 12.8 -0.1
DECC	comp=Z,84.49 44		PFAKE	LR	11 53 20.0 +7.0
OSI	comp=Z,84.49 44		P	P	11 53 13.6 +0.6
OSI	comp=Z,84.49 44		P	P	11 53 01.4 -1.1
SKR	comp=Z,84.50 343		eP	P	11

Table with columns for call sign, frequency, power, and other technical details. Includes entries like BWN BWN, RLMT Red Lodge, RLMT Red Lodge, PHWY Pilot Hill, ACON Acopyapa, K22A Casper, WHY Whitehorse, GCMT Greycliff, WHTX Lake Whitney, WHTX Lake Whitney, ZEA Zeya, WRH Wood River Hill, HKT Hockley, DOT Dot Lake, KSCO Kaye Shedlock, MLY Manley, HDA Harding Lake, HDA Harding Lake, HHC Hu-ho-hao-te, CD2 Chengdu, CCB Clear Creek Bu, MYIG Mirida, SCRK Sand Creek, WMOK Wichita Mounta, WMOK Wichita Mounta, COLA College, COLA College, MDM Murphy Dome, ESPN Las Esperanzas, HIA Hialar, ILAR Eielson Array, ILAR Eielson Array, EGMT Eagleton, EGMT Eagleton, U32A Winter Ranch, TEIG Tepich, DAWY Dawson, PRP Porcupine Dome, CPUP Villa Florida, OGNE Ogallala, RDOG Red Dog Mine, EGAK Eagle, NATX Nacogdoches.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like NATX Nacogdoches, CBKS Cedar Bluff, BILL Bilibino, BILL Bilibino, BILL Bilibino, ETX06 Route 59 and C, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, RSSD Black Hills, LAO LASA Array, LAO LASA Array, FYU Fort Yukon, X37A Clayton, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, BCIP Isla Barro Col, TUL1 Leonard, TOLK Tookik Lake Re, TOLK Tookik Lake Re, WLAR White Oak Lake, MIAR Mount Ida, EPYK Eagle Plains, KSIU Kansas State U, W39A Magazine, BGNE Belgrade, DGMT Dagmar, X40A Basin Creek Fa, YAK Yakutsk, UALR University of, CCAR Cane Creek, VBMS Vicksburg, WHAR Woolly Hollow, ROSC El Rosal, FCAR Ozark Folk Cen, INK Inuvik, ECSD EROS Data Cent, HBAR Harrisburg, MDND Maddock, MET Memphis-Engin, OXF Oxford, GNAR Gosnell, BRAL Brewton, PBMO Poplar Bluff, CCM Cathedral Cave, PVMO Portageville, PALK Pallekele, HALT Halls, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKB5 Yellowknife Ar, SCIA State Center.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like SCIA, YKW3 Yellowknife Ar, GLAT Glass, 451A Vernon, LRAL Lakeview Retre, PLAL Pickwick Lake, 250A Grady, SLM Saint Louis, T45A Paducah, X48A Hartsele, N41A Harden Midland, FFC Flin Flon, WVT Waverly, Y49A Blount Mountai, 352A Blakely, Z50A Ashland, AGMN Agassiz Nation, MTDJ Mount Denham, L40A Anamosa, 453A Whigham, V48A Smith Brothers, 957A Wimauma, SPMN Marine on St., 152A Waverly Hall, 061Z Ochoppi, HDIL Hopedale, T47A Sharon Grove, USIN University of, OLIL Olney, 253A Americus, SWET Sewanee, ULM Lac du Bonnet, 555A McAlpin, 656A Williston, CLTN Cedars of Leba, 059A Moore Haven, TIGA Tifton, L42A Oliver, JFWS Jewell Farm, DWPF Disney Wildern, W50A Signal Mountai, X51A Calhoun, SDV Santo Domingo, 060A Indiantown, Y52A Lilburn, WCI Wyandotte Cave, 154A Montrose, I41A Arkdale, E38A The Farm, Brul, 456A Hilliard, GOGA Godfrey, T49A Edmonton, M44A Midewin, CPCT Cooper Cave, 255A Hazlehurst, BLO Bloomington.

BLO	comp=Z,2µm,19.0s	LR	LR		N51A	comp=Z,2µm,19.0s	LR	LR	DELO	Deloro Mine	116.48	52	PFAKE	LR	LR	11 59 40.0 +16
G40A	Rib Lake	108.42	48	PFAKE	LR	LR			DELO							
G40A	comp=Z,900nm,19.0s					SDDR	Presa de Saban	111.97	80	PFAKE	LR	LR	11 59 30.0 +14			
SFIN	Lafayette	108.45	54	PFAKE	LR	BLA	Blacksburg	111.99	59	PFAKE	LR	LR	11 59 30.0 +15			
SFIN	comp=Z,1µm,19.0s					BLA										
V51A	Loudon	108.52	59	PFAKE	LR	PTGA	Pitinga	112.05	105	PFAKE	LR	LR	11 59 30.0 +14			
V51A	comp=Z,2µm,20.0s					PTGA										
W52A	Murphy	108.54	60	PFAKE	LR	O52A	Adamsville	112.05	56	PFAKE	LR	LR	11 59 30.0 +15			
W52A	comp=Z,2µm,19.0s					O52A										
K43A	Burlington	108.58	51	PFAKE	LR	P53A	Whipple	112.13	56	PFAKE	LR	LR	11 59 30.0 +14			
K43A	comp=Z,1µm,21.0s					P53A										
I42A	Draefer Farm,	108.68	50	PFAKE	LR	BDFB	Brasilia	112.25	125	PFAKE	LR	LR	11 59 30.0 +13			
I42A	comp=Z,1µm,22.0s					BDFB										
EYMN	Ely	108.74	45	PFAKE	LR	Q54A	Coxs Mills	112.35	57	PFAKE	LR	LR	11 59 30.0 +14			
EYMN	comp=Z,1µm,20.0s					Q54A										
TIXI	Tiksi	108.83	344	PFAKE	LR	Y60A	Bolivia	112.43	63	PFAKE	LR	LR	11 59 30.0 +14			
TIXI	comp=Z,800nm,21.0s					Y60A										
R49A	Shelbyville	108.95	56	PFAKE	LR	K50A	Casco	112.48	53	PFAKE	LR	LR	11 59 30.0 +14			
R49A	comp=Z,2µm,20.0s					K50A										
V52A	Sevierville	109.10	59	PFAKE	LR	R55A	Marlinton	112.61	58	PFAKE	LR	LR	11 59 30.0 +13			
V52A	comp=Z,2µm,20.0s					R55A										
GTBY	Gauntanamo Bay	109.15	78	PFAKE	LR	E46A	Sault Ste Mari	112.65	49	PFAKE	LR	LR	11 59 30.0 +14			
GTBY	comp=Z,800nm,21.0s					E46A										
BG3	Lake Jocassee	109.25	60	PFAKE	LR	H48A	Harrisville	112.70	51	PFAKE	LR	LR	11 59 30.0 +14			
BG3	comp=Z,900nm,19.0s					H48A										
P48A	Milroy	109.25	55	PFAKE	LR	I49A	Point Hope	112.76	51	PFAKE	LR	LR	11 59 30.0 +13			
P48A	comp=Z,2µm,19.0s					I49A										
TZTN	Tazewell	109.42	59	PFAKE	LR	T57A	Hurt	112.77	60	PFAKE	LR	LR	11 59 30.0 +13			
TZTN	comp=Z,2µm,19.0s					T57A										
HODGE	Hodges	109.44	61	PFAKE	LR	M52A	Chesterland	112.91	54	PFAKE	LR	LR	11 59 30.0 +13			
HODGE	comp=Z,900nm,20.0s					M52A										
COWI	Conover	109.45	47	PFAKE	LR	SDD	Santo Domingo	112.91	81	PFAKE	LR	LR	11 59 30.0 +12			
COWI	comp=Z,1µm,20.0s					SDD										
257A	Skidaway Islan	109.46	64	PFAKE	LR	N53A	Lisbon	113.01	55	PFAKE	LR	LR	11 59 30.0 +13			
257A	comp=Z,800nm,22.0s					N53A										
R50A	Paris	109.55	57	PFAKE	LR	CNNC	Cliffs of the	113.14	62	PFAKE	LR	LR	11 59 30.0 +12			
R50A	comp=Z,2µm,19.0s					CNNC										
V53A	Saluda	109.61	60	PFAKE	LR	S57A	Dark Hollow, R	113.27	59	PFAKE	LR	LR	11 59 30.0 +12			
V53A	comp=Z,2µm,20.0s					S57A										
H43A	Windswept, Lux	109.67	49	PFAKE	LR	MCWV	Mont Chateau	113.31	57	PFAKE	LR	LR	11 59 30.0 +12			
H43A	comp=Z,800nm,22.0s					MCWV										
L46A	Eue Claire	109.67	52	PFAKE	LR	U59A	Littleton	113.63	61	PFAKE	LR	LR	11 59 30.0 +12			
L46A	comp=Z,600nm,20.0s					U59A										
S51A	Beattyville	109.83	57	PFAKE	LR	N54A	Moraine State	113.67	55	PFAKE	LR	LR	11 59 30.0 +12			
S51A	comp=Z,1µm,20.0s					N54A										
PAULI	Pauline	110.01	61	PFAKE	LR	ALLY	Alegheny Cole	113.80	55	PFAKE	LR	LR	11 59 30.0 +11			
PAULI	comp=Z,800nm,20.0s					ALLY										
T52A	Hallie	110.06	58	PFAKE	LR	V60A	Jim Taylor Roa	113.81	61	PFAKE	LR	LR	11 59 30.0 +11			
T52A	comp=Z,1µm,19.0s					V60A										
C40A	Isle Royale Na	110.17	46	PFAKE	LR	S58A	Poland Farm, P	113.89	59	PFAKE	LR	LR	11 59 30.0 +11			
C40A	comp=Z,800nm,20.0s					S58A										
J45A	Montague	110.17	51	PFAKE	LR	T59A	Double "B" Far	114.03	60	PFAKE	LR	LR	11 59 30.0 +11			
J45A	comp=Z,1µm,19.0s					T59A										
D41A	Chassel	110.19	47	PFAKE	LR	ERPA	Erie	114.07	54	PFAKE	LR	LR	11 59 30.0 +11			
D41A	comp=Z,2µm,20.0s					ERPA										
J5C	Jenkinsville	110.22	62	PFAKE	LR	M54A	Oil Creek Stat	114.09	55	PFAKE	LR	LR	11 59 30.0 +11			
J5C	comp=Z,1µm,20.0s					M54A										
O49A	Covington	110.31	55	PFAKE	LR	R58B	Mineral	114.14	59	PFAKE	LR	LR	11 59 30.0 +11			
O49A	comp=Z,1µm,19.0s					R58B										
KM5C	Kings Mountain	110.50	61	PFAKE	LR	N55A	Marion Center	114.32	56	PFAKE	LR	LR	11 59 30.0 +10			
KM5C	comp=Z,1µm,19.0s					N55A										
I45A	Fountain	110.51	50	PFAKE	LR	N55A	Marion Center	114.32	56	P	PKIKP	LR	11 59 20.0 +0.3			
I45A	comp=Z,1µm,20.0s					N55A										
M48A	Edgerton	110.55	53	PFAKE	LR	V61A	Roper	114.34	62	PFAKE	LR	LR	11 59 30.0 +10			
M48A	comp=Z,1µm,20.0s					V61A										
Q51A	Peebles	110.56	56	PFAKE	LR	O56A	Blue Knob Stat	114.44	56	PFAKE	LR	LR	11 59 30.0 +10			
Q51A	comp=Z,2µm,19.0s					O56A										
NH5C	New Hope	110.57	63	PFAKE	LR	WMQ	Urumqi	114.52	308	ePKP	PKIKP	LR	11 59 20.3 +0.2			
NH5C	comp=Z,700nm,20.0s					WMQ										
U54A	Nelsons Funny	110.69	59	PFAKE	LR	WMQ	comp=Z,1µm,28.8s									
U54A	comp=Z,2µm,19.0s					WMQ										
N49A	Columbus Grove	110.70	54	PFAKE	LR	CBN	Corbin Frederi	114.60	59	PFAKE	LR	LR	11 59 30.0 +10			
N49A	comp=Z,1µm,19.0s					CBN										
Y57A	Sumter	110.77	62	PFAKE	LR	U61A	Possum Corner	114.63	61	PFAKE	LR	LR	11 59 30.0 +10			
Y57A	comp=Z,1µm,20.0s					U61A										
E43A	Lone Tree Farm	110.92	48	PFAKE	LR	T60A	Surry	114.70	60	PFAKE	LR	LR	11 59 30.0 +10			
E43A	comp=Z,1µm,20.0s					T60A										
P51A	Williamsport	110.94	56	PFAKE	LR	M55A	Ridgway	114.71	55	P	PKIKP	LR	11 59 21.0 +0.5			
P51A	comp=Z,2µm,19.0s					M55A										
BIRD	Birdtown, Kers	110.97	61	PFAKE	LR	V62A	Hyde County Ai	114.73	62	PFAKE	LR	LR	11 59 30.0 +9.4			
BIRD	comp=Z,1µm,20.0s					V62A										
J47A	Summer	111.15	52	PFAKE	LR	SSPA	Standing Stone	115.05	56	PFAKE	LR	LR	11 59 30.0 +8.9			
J47A	comp=Z,1µm,20.0s					SSPA										
ACSO	Alum Creek Sta	111.28	55	PFAKE	LR	SSPA	Standing Stone	115.05	56	P	PKIKP	LR	11 59 21.4 +0.3			
ACSO	comp=Z,2µm,19.0s					SSPA										
G45A	Suttons Bay	111.28	50	PFAKE	LR	M56A	Emporium	115.13	55	P	PKIKP	LR	11 59 22.1 +0.9			
G45A	comp=Z,1µm,20.0s					M56A										
Y58A	Scranton	111.28	62	PFAKE	LR	N57A	Milroy	115.33	56	P	PKIKP	LR	11 59 22.2 +0.6			
Y58A	comp=Z,1µm,20.0s					N57A										
R53A	Hurricane	111.29	57	PFAKE	LR	J54A	Appleton	115.39	53	PFAKE	LR	LR	11 59 30.0 +8.4			
R53A	comp=Z,2µm,19.0s					J54A										
V56A	Mocksville	111.39	60	PFAKE	LR	SDMD	Soldier's Dei	115.40	58	PFAKE						

GGN	comp=Z,1µm,19.0s	GGN	Saint George	124.06	54	PFAKE	LR	11 59 50.0	+12
ARSB	comp=Z,1µm,20.0s	ARSB	Arslanbob	124.28	302	PFAKE	LR	11 59 50.0	+11
SCHO	comp=Z,2µm,20.0s	SCHO	Schefferville	125.34	42	PKP	PKIKP	11 59 40.7	-0.1
SCHO	comp=Z,12nm,1.0s,baz=290,slow=0.8,SNR=3.9	SCHO	Schefferville	125.34	42	ePKP	PKIKP	11 59 40.8	-0.1
LMN	comp=Z,2µm,19.0s	LMN	Caledonia Moun	125.60	53	ePKP	PKP	11 59 41.4	+0.2
BTK	comp=Z,1µm,20.0s	BTK	Batken	125.62	300	PFAKE	LR	11 59 50.0	+8.1
WIN	comp=Z,400nm,20.0s	WIN	Windhoek	125.65	195	PFAKE	LR	11 59 50.0	+7.2
KBL	comp=Z,2µm,19.0s	KBL	Kabul	125.68	293	ePKP	PKIKP	11 59 42.8	+0.4
GAR	comp=Z,400nm,20.0s	GAR	Garm	125.77	298	ePKP	PKIKP	11 59 42.2	-0.1
GAR	comp=Z,2µm,19.0s	GAR	Garm	125.77	298	ePKP	PKIKP	11 59 42.2	-0.1
HAL	comp=Z,2µm,19.0s	HAL	Halifax	126.25	55	PFAKE	LR	11 59 50.0	+7.1
KK31	comp=Z,2µm,19.0s	KK31	Karatay Array	126.43	303	ePKP	PKIKP	11 59 43.2	-0.2
KK31	comp=Z,2µm,19.0s	KK31	Karatay Array	126.43	303	ePKP	PKIKP	11 59 43.2	-0.2
RCBR	comp=Z,2µm,18.0s	RCBR	Riachuelo	127.56	127	PFAKE	LR	12 00 00.0	+13
BRVK	comp=Z,2µm,18.0s	BRVK	Borovoye	127.64	316	ePKP	PKIKP	11 59 45.3	-0.1
BRVK	comp=Z,700nm,22.0s	BRVK	Borovoye	127.64	316	ePKP	PKIKP	11 59 45.3	-0.1
GBN	comp=Z,2µm,21.0s	GBN	Guyusborough	127.82	54	ePKP	PKIKP	11 59 45.8	-0.2
TSUM	comp=Z,2µm,21.0s	TSUM	Tsumeb	128.77	197	PFAKE	LR	12 00 00.0	+11
ILULI	comp=Z,2µm,21.0s	ILULI	Ilulissat	130.52	23	PFAKE	LR	12 00 00.0	+9.3
KBS	comp=Z,900nm,20.0s	KBS	Kingsbay	131.41	358	PFAKE	LR	12 00 00.0	+7.7
SFJD	comp=Z,600nm,22.0s	SFJD	Kangerlussuaq	131.50	25	PFAKE	LR	12 00 00.0	+7.3
SPA0	comp=Z,1µm,20.0s	SPA0	Spitsbergen Ar	131.96	357	ePKP	PKIKP	11 59 53.0	-0.5
SUMG	comp=Z,1µm,20.0s	SUMG	Summit	132.44	16	PFAKE	LR	12 00 10.0	+15
UOSS	comp=Z,700nm,20.0s	UOSS	Minazif	133.59	276	PFAKE	LR	12 00 10.0	+12
ARU	comp=Z,600nm,22.0s	ARU	Arti	134.18	321	ePKP	PKP	11 59 57.6	+0.5
ARU	comp=Z,800nm,22.0s	ARU	Arti	134.18	321	ePKP	PKIKP	11 59 58.1	-0.4
IVI	comp=Z,1µm,20.0s	IVI	Ivigtut	134.44	32	PFAKE	LR	12 00 10.0	+11
GEYT	comp=Z,1µm,20.0s	GEYT	Alibek	135.01	295	PKP	PKIKP	12 00 00.6	-0.3
KMBO	comp=Z,22nm,0.6s,baz=204,slow=3.3,SNR=9.5	KMBO	Kilima Mbogo	135.19	232	PFAKE	LR	12 00 10.0	+7.8
NRS	comp=Z,900nm,21.0s	NRS	Narsarsuaq	135.71	32	PFAKE	LR	12 00 10.0	+8.6
ANGG	comp=Z,1µm,20.0s	ANGG	Ammassalik, Gr	136.79	24	PFAKE	LR	12 00 10.0	+6.5
H10S3	comp=Z,1µm,20.0s	H10S3	ASCENSION HYDR36.92	153	153	T	T	14 35 42.6	
H10S2	comp=Z,1µm,20.0s	H10S2	ASCENSION HYDR36.92	153	153	T	T	14 35 55.7	
H10S1	comp=Z,1µm,20.0s	H10S1	ASCENSION HYDR36.92	153	153	T	T	14 35 44.4	
SCO	comp=Z,2µm,19.0s	SCO	Scoresbysund	137.53	12	PFAKE	LR	12 00 10.0	+5.1
ASCN	comp=Z,800nm,22.0s	ASCN	Ascension	137.96	153	PFAKE	LR	12 00 20.0	+12
H10N3	comp=Z,31µm,18.0s	H10N3	ASCENSION HYDR37.99	152	152	T	T	14 36 26.6	
H10N1	comp=Z,31µm,18.0s	H10N1	ASCENSION HYDR38.00	152	152	T	T	14 36 21.7	
H10N2	comp=Z,31µm,18.0s	H10N2	ASCENSION HYDR38.01	152	152	T	T	14 36 27.8	
PRGR	comp=Z,7.0nm,0.8s	PRGR	Permogore	138.70	331	ePKP	PKP	12 00 02.5	-2.8
ARCES	comp=Z,7.0nm,0.8s	ARCES	ARCCESS Array B	139.06	349	PKIKP	PKP	11 59 59.9	
ARCES	comp=Z,2.9nm,0.7s,baz=23,slow=3.1,SNR=10	ARCES	ARCCESS Array B	139.06	349	ePKP	PKP	12 00 06.6	+0.8
ATD	comp=Z,5.8nm,0.6s,baz=15,slow=3.1,SNR=16	ATD	Arta Tunnel	139.18	25	PFAKE	LR	12 00 20.0	+10
MBAR	comp=Z,800nm,22.0s	MBAR	Mbarara	139.77	225	PFAKE	LR	12 00 20.0	+8.5
FURI	comp=Z,400nm,22.0s	FURI	Furi	140.96	244	PFAKE	LR	12 00 20.0	+6.0
RAYN	comp=Z,1µm,22.0s	RAYN	Ar Rayn	142.33	270	PFAKE	LR	12 00 30.0	+14
AKT	comp=Z,900nm,22.0s	AKT	Akty	143.16	300	ePKP	PKP	12 00 12.1	+0.9
MOS	comp=Z,13nm,0.9s	MOS	Moscow	145.31	326	ePKP	PKP	12 00 16.4	-0.8
TBLG	comp=Z,184nm,0.8s	TBLG	Delisi	145.38	300	ePKP	PKP	12 00 18.1	0.0
GNI	comp=Z,300nm,19.0s	GNI	Garni	145.49	297	ePKP	PKP	12 00 17.7	-0.7
FIAT	comp=Z,300nm,19.0s	FIAT	FINESSE Array S	145.80	341	ePKP	PKP	12 00 18.2	+0.3
FINES	comp=Z,76nm,0.8s,baz=58,slow=3.1,SNR=104	FINES	FINESSE Array B	145.80	341	ePKP	PKP	12 00 17.9	-0.1
ZEI	comp=Z,95nm,1.4s	ZEI	Tsey	145.88	302	ePKP	PKP	12 00 18.2	-0.8
NCK	comp=Z,95nm,1.4s	NCK	Nalchik	146.00	304	ePKP	PKP	12 00 20.5	+0.2
GOF	comp=Z,90nm,0.6s	GOF	Gofitskoye	146.01	306	ePKP	PKP	12 00 21.2	+0.5
OBN	comp=Z,600nm,21.0s	OBN	Obninsk	146.16	326	ePKP	PKP	12 00 19.4	-0.4
OBN	comp=Z,600nm,21.0s	OBN	Obninsk	146.16	326	ePKP	PKP	12 00 20.8	+0.3
OBN	comp=Z,600nm,21.0s	OBN	Obninsk	146.16	326	ePKP	PKP	12 00 18.9	+0.1
OBN	comp=Z,157nm,1.4s	OBN	Obninsk	146.16	326	ePKP	PKP	12 22 34.9	-1.2
OBN	comp=Z,22nm,0.5s	OBN	Obninsk	146.16	326	ePKP	PKP	12 23 03.9	-1.2
LPSR	comp=Z,200nm,0.8s	LPSR	Galich'ya Gora	146.20	321	ePKP	PKP	12 00 20.1	+0.1
AKH	comp=Z,400nm,22.0s	AKH	Akhalkalaki	146.34	300	ePKP	PKP	12 00 21.6	-0.3
AKH	comp=Z,400nm,22.0s	AKH	Akhalkalaki	146.34	300	ePKP	PKP	12 00 22.8	+0.9
AKH	comp=Z,400nm,22.0s	AKH	Akhalkalaki	146.34	300	ePKP	PKP	12 00 21.6	-0.3
VORR	comp=Z,300nm,1.2s	VORR	Voronozh	146.45	319	ePKP	PKP	12 00 17.0	
KBZ	comp=Z,5.9nm,0.7s,baz=87,slow=4.8,SNR=9.9	KBZ	Khabaz	146.46	304	ePKP	PKP	12 00 22.1	+0.1
KIV	comp=Z,500nm,19.0s	KIV	Kislovodsk	146.57	305	ePKP	PKP	12 00 30.0	+5.6

KIV	comp=Z,500nm,19.0s	KIV	Kislovodsk	146.57	305	ePKP	PKP	12 00 21.7	+0.1
KIV	comp=Z,74nm,1.1s	KIV	Kislovodsk	146.57	305	ePKP	PKP	12 00 21.7	+0.1
VSR	comp=Z,770nm,21.0s	VSR	Storozhevoye	146.67	318	ePKP	PKP	12 00 21.4	0.0
VORD	comp=Z,110nm,1.4s	VORD	Divnogorie	146.70	318	ePKP	PKP	12 00 21.2	-0.3
GEVA	comp=Z,40nm,0.9s	GEVA	Gevas	146.87	294	ePKP	PKP	12 00 12.4	-8.4
DBAD	comp=Z,2µm,0.1s	DBAD	Bademkaya	147.73	299	ePKP	PKP	12 00 27.3	-0.1
BCA	comp=Z,2µm,0.1s	BCA	Borcka	147.73	300	ePKP	PKP	12 00 25.5	+0.7
MOL	comp=Z,2µm,0.1s	MOL	Moide	147.88	357	ePKP	PKP	12 00 24.4	0.0
VSU	comp=Z,259nm,1.0s	VSU	Vasula	147.97	337	ePKP	PKP	12 00 24.7	-0.1
YSU	comp=Z,812nm,23.0s	YSU	Vasula	147.97	337	ePKP	PKP	12 00 22.3	+0.6
AKN	comp=Z,812nm,23.0s	AKN	Aaknes	148.30	357	ePKP	PKP	12 00 25.6	0.0
DOMB	comp=Z,812nm,23.0s	DOMB	Dombras	148.31	355	ePKP	PKP	12 00 25.1	-0.6
SOC	comp=Z,812nm,23.0s	SOC	Sochi	148.75	305	ePKP	PKP	12 00 09.8	
NB2	comp=Z,612nm,23.0s	NB2	NORSAR Subarray	149.11	353	PKP	PKP	12 00 27.2	-0.6
NB2	comp=Z,612nm,23.0s	NB2	NORSAR Subarray	149.11	353	PKP	PKP	12 00 27.2	-0.6
NOA	comp=Z,612nm,23.0s	NOA	NORSAR Array B	149.11	353	PKP	PKP	12 00 27.5	-0.2
HYA	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	HYA	Hoyanger	149.34	356	ePKP	PKP	12 00 28.5	+0.3
NC602	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	NC602	NORSAR Array S	149.38	352	ePKP	PKP	12 00 28.6	+0.3
NC602	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	NC602	NORSAR Array S	149.38	352	ePKP	PKP	12 00 28.3	0.0
SUE	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	SUE	Sulen	149.49	359	ePKP	PKP	12 00 28.7	+0.1
SKAR	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	SKAR	Skarslia	149.72	356	ePKP	PKP	12 00 29.7	+0.4
ANN	comp=Z,29nm,0.8s,baz=14,slow=4.3,SNR=78	ANN	Anapa	150.04	308	ePKP	PKP	12 00 31.2	-0.1
ASK	comp=Z,68nm,0.9s	ASK	Askoy	150.06	359	ePKP	PKP	12 00 29.9	-0.1
IZAR	comp=Z,68nm,0.9s	IZAR	IZAR	150.21	334	ePKP	PKP	12 00 31.3	-0.1
OSL	comp=Z,27nm,0.8s	OSL	Oslo	150.25	353	ePKP	PKP	12 00 31.0	-0.3
ISAL	comp=Z,27nm,0.8s	ISAL	Salakas	150.39	334	ePKP	PKP	12 00 31.7	0.0
MICGM	comp=Z,29nm,1.1s	MICGM	Minsk	150.47	331	ePKP	PKP	12 00 31.0	-0.2
MICGM	comp=Z,29nm,1.1s	MICGM	Minsk	150.47	331	ePKP	PKP	12 00 31.0	-0.2
MNK	comp=Z,29nm,1.1s	MNK	Minsk	150.47	331	ePKP	PKP	12 00 31.0	-0.2
SACV	comp=Z,29nm,1.1s	SACV	Santiago Islan	150.49	116	ePKP	PKP	12 00 32.9	-0.3
IIGN	comp=Z,29nm,1.1s	IIGN	Ignalina	150.52	334	ePKP	PKP	12 00 32.1	+0.1
ODDI	comp=Z,33nm,1.0s	ODDI	Odda	150.58	357	ePKP	PKP	12 00 31.7	+0.3
NACGM	comp=Z,33nm,1.0s	NACGM	Naroch	150.63	333	ePKP	PKP	12 00 32.0	-0.2
KONO	comp=Z,500nm,20.0s	KONO	Kongsberg	150.64	354	ePKP	PKP	12 00 31.8	-0.4
KONO	comp=Z,500nm,20.0s	KONO	Kongsberg	150.64	354	ePKP	PKP	12 00 31.8	-0.4
KONO	comp=Z,106nm,1.3s	KONO	Kongsberg	150.64	354	ePKP	PKP	12 00 31.7	-0.4
BLYS	comp=Z,106nm,1.3s	BLYS	Blasjo	151.08	357	ePKP	PKP	12 00 32.7	+0.2
KMY	comp=Z,106nm,1.3s	KMY	Karmoy	151.33	358	ePKP	PKP	12 00 33.6	+0.1
HOMB	comp=Z,106nm,1.3s	HOMB	Homborsund	152.10	355	ePKP	PKP	12 00 34.9	0.0
SNART	comp=Z,106nm,1.3s	SNART	Snartemo	152.12	356	ePKP	PKP	12 00 35.1	-0.1
SIM	comp=Z,25µm,0.8s	SIM	Simferopol	152.22	310	ePKP	PKP	12 00 36.9	+1.0
AKASG	comp=Z,30µm,1.0s	AKASG	Malin Array B	152.33	324	ePKP	PKP	12 00 35.3	-0.3
AKASG	comp=Z,30µm,1.0s	AKASG	Malin Array B	152.33	324	ePKP	PKP	12 00 35.3	-0.3
AKBB	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	AKBB	Malin Array Si	152.33	324	ePKP	PKP	12 00 35.4	-0.4
AKBB	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	AKBB	Malin Array Si	152.33	324	ePKP	PKP	12 00 35.4	-0.4
AKBB	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	AKBB	Malin Array Si	152.33	324	ePKP	PKP	12 00 35.4	-0.4
SUW	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	SUW	Suwalki	152.69	335	ePKP	PKP	12 00 36.9	+0.4
SUW	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	SUW	Suwalki	152.69	335	ePKP	PKP	12 00 40.0	+3.5
SUW	comp=Z,24nm,0.7s,baz=46,slow=2.8,SNR=45	SUW	Suwalki	152.69	335	ePKP	PKP	12 00 36.9	+0.4
ILGA	comp=Z,800nm,22.0s	ILGA	Ilgaz	153.66	302	PFAKE	LR	12 00 40.0	+0.7
BR131	comp=Z,600nm,22.0s	BR131	Reskin Array B	154.01	299	ePKP	PKP	12 00 30.8	-1.1
BRTR	comp=Z,1.8nm,0.9s,baz=112,slow=2.9,SNR=6	BRTR	Reskin Array B	154.01	299				

19d 14h

Table with columns for station name, coordinates, and various parameters. Includes stations like EQUI, FIVI, VLV, SARO, FOSD, CARD, GRAM, BDI, and PLMA.

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Table with columns for station name, coordinates, and various parameters. Includes stations like PLMA, MAIM, POPM, MTRC, GROG, CASP, IMI, MGRO, NEGI, SBF, MBDF, FRF, FETA, LMR, and SQT.

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Table with columns for station name, coordinates, and various parameters. Includes stations like SQT, ORIF, WTTA, KBA, VIVF, LASF, LPAZ, LVC, LCA, ATAH, CFA, TORD, YKA, SONM, ARG, AKAS, FET, DALY, TURN, ELL, AKUM, DAT, YER, GOLH, TAVA, BODT, AYDN, ZKR, AYDB, KEPZ, GAZI, TEKE, BERE, CSS, MEX, BDI, STG3, FUG, PCG, THIG, PCIG, and ARG.

19d 14h

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like GTK, BWNR, BILL, BOK, KDAK, etc.

2013 JUL

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like ISA, EDWZ, BFSC, TIN, CWC, LRM, etc.

996

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like WB2, WR1, WARR, GUMO, AS31, etc.

ISCJB 19 14:07:54.1±1.9, 8:93S:157.56E, h0km, mb4.3/9, mb1.4, 5/10, mb1mx4.2/32, mbtmp4.3/10, ML4.6/1, Error ellipse: s-maj=24.7km s-min=19.5km az=159.0

ATH 19 14:19:42.2, 41.49N-23.61E, h24km, 1km, ML2.4/12, Error ellipse: s-maj=2.4km s-min=1.0km az=174.0

THE 19 14:19:42.4, 41.53N-23.56E, h8km, ML2.3/12, Error ellipse: s-maj=1.0km s-min=0.4km az=173.0

SOF 19 14:19:42.9, 41.63N-23.62E, h2km, MD2.5

BEO 19 14:19:42.0, 41.05N-23.07E, h23km, 7km, ML2.7/5

ISC 19 14:07:54.1±1.9, 8:93S:157.56E, h10km, mb4.5/13, Error ellipse: s-maj=16.5km s-min=6.9km az=155.0

ISC 19 14:07:55.2±0.6, 8:92S:0.10:157.60E:0.07, h17km, n28, α111/29, mb4.5/18, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MMB, NVR, NVR, NVR, etc.

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

ATH 19 14:22:54.8, 41.53N, 23.61E, h19km, 2km, ML1.6/8, Error ellipse: s-maj=3.1km s-min=1.2km az=175.0

SOF 19 14:22:55.6, 41.62N, 23.61E, h5km, Greece-Bulgaria border region

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

EAF 19 14:29:33.4, 1.2, 25.36S, 29.79E, h0km, 22km, MD3.5

ISCJB 19 14:29:34.7, 1.8, 25.20S, 0.10, 29.3E, 0.2, h10km, Error ellipse: s-maj=31.9km s-min=6.5km az=242.6

BUL 19 14:29:34.7, 1.5, 25.38S, 29.83E, h0km, 22km, MD3.6

ISC 19 14:29:35.2, 2.0, 25.26S, 0.09, 29.5E, 0.2, h10km, N=845, 18, South Africa

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

BJI 19 14:54:11.4, 0.0, 17.31S, 167.90E, h8km, mb4.9/26, mb5.2/16, Ms4.9/9, Ms7.4/6.7

IDC 19 14:54:12.2, 0.6, 17.45S, 167.70E, h0km, mb4.3/20, mb1.4/4.2, mb1mx4.3/4.1, mbtmp4.4/2.2, ML4.4/2, MS4.2/16, Ms1.4/2.16, ms1mx4.1/2.0, Error ellipse: s-maj=21.3km s-min=14.7km az=91.0

ISCJB 19 14:54:13.4, 0.3, 17.52S, 0.03, 167.61E, 0.06, h19km, mb4.5/44, MS4.3/22, Error ellipse: s-maj=8.9km s-min=4.4km az=172.5

NEIC 19 14:54:16.4, 1.9, 17.47S, 167.55E, h29km, 4km, mb4.7/23, Error ellipse: s-maj=19.4km s-min=10.3km az=71.0

GCMT 19 14:54:18.4, 0.2, 17.49S, 0.02, 167.51E, 0.01, h20km, MW5.1/91, Moment Tensor Solution, s58, c75; s91, c131; Duration: 0 Moment tensor: Scale 10^19Nm; Mir3.95e+16; Mw=0.02; 11; Mw=3.95e+12; Mw=1.42e+23; Mw=0.47e+07; Mw=3.63e+25; Best double couple: Ms5.5680000e16 NP1=163.000000; s67.000000; 1.82.000000; NP2=0.3.000000; s24.000000; 1.108.000000. Principal axes: T 5.6040, Plg67.000000, Azm59.000000; N -0.0700, Plg7.000000, Azm166.000000; P -5.5340, Plg22.000000, Azm259.000000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19 14:54:15.1, 0.4, 17.53S, 0.05, 167.73E, 0.08, h19km, n113, e=137/116, mb4.6/22, MS4.3/22, 5C-1D, Vanuatu Islands

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

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KMI, CM31, CMAR, etc.

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

IGQ 19 15:03:25.0, 0.3, 2.3S, 87.0W, h1km, MLv4.4, Near coast of Ecuador

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ZUMB Zumba, ANTI Antisana, YANA Yana, etc.

IDC 19 15:19:04.7-0.6, 22.25S:68.43W, h97km, 10km, mb3.6/4, mb1 3.77, mb1mx3.5/2.1, mbtmp4.0/7, Error ellipse: s-maj=27.5km s-min=5.2km az=114.0

ISC/JB 19 15:19:05.2-0.4, 22.20S:0.04-68.74W, h122km, 5km, Error ellipse: s-maj=8.7km s-min=6.1km az=169.9

GUC 19 15:19:05.5-0.6, 22.19S:68.75W, h115km, 4km, ML4.0

SJA 19 15:19:05.5-0.9, 22.23S:68.72W, h109km, 4km, ML3.5

ISC 19 15:19:05.2-0.2, 22.22S:0.05-68.69W, h112km, 6km, h38, c145/51, 9C, Northern Chile

Main station list for the first section, including LVC Limon Verde, LVC Limon Verde, LVC Limon Verde, etc.

MEX 19 15:24:22.7-0.8, 16.50N:98.35W, h26km, 22km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TLIG Tlapa, TLIG Vista Hermosa, VHO Mezcala, etc.

BUI 19 15:33:22.7-0.0, 6.92S:129.89E, h154km, mb4.7/45, mb4.8/29

ISC/JB 19 15:33:24.1-0.2, 6.73S:0.02-129.75E, h150km, mb4.8/71, Error ellipse: s-maj=3.6km s-min=2.8km az=155.8

NEIC 19 15:33:26.3-2.5, 6.73S:129.73E, h159km, 5km, mb4.7/58, Error ellipse: s-maj=8.6km s-min=7.5km az=65.0

IDC 19 15:33:27.1-1.6, 6.70S:129.74E, h164km, 15km, mb4.4/19, mb1 4.4/24, mb1mx4.3/3.7, mbtmp4.9/24, Error ellipse: s-maj=12.6km s-min=9.8km az=68.0

DJA 19 15:33:27.4-0.2, 7.52S:13.03E, h168km, 3km, M4.9/42, mb5.4/15, mb4.9/42, MLv5.2/18, Mw(mB)4.8/15

ISC 19 15:33:25.4-0.3, 6.77S:0.04-129.73E, h150km, n190, c187B/204, mb4.7/71, 1C-2D, Banda Sea

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

Main station list for the second section, including SJJI Sorong, SJJI Sorong, SJJI Sorong, etc.

Main station list for the third section, including TRTT Trang, CAN Canberra, CNB Canberra, etc.

Table with columns: BRTR, Station Name, Time, Res, etc. Includes stations like Keskin Array B, Pinedale Array, etc.

Table with columns: JMM, Station Name, Time, Res, etc. Includes stations like Iwakimizuishi, Ishinomakiboku, etc.

Table with columns: JNU, Station Name, Time, Res, etc. Includes stations like Nakatsue, Usuriyisk Arra, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Xinyi Township, Tsauling, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Ofunato, Kaneyama, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Gornyy, Changchun, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Bagumbayan, Don Marcelino, etc.

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

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Gornyy, Changchun, etc.

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Bagumbayan, Don Marcelino, etc.

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

Table with columns: Code, Station Name, Time, Res, etc. Includes stations like Gornyy, Changchun, etc.

19d 16h

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like NJ2, NJ2, PET, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes call signs like XAN, Xian, Xian, etc.

1000

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like QIZ, QIZ, BILL, etc.

19d 16h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MODS, PLVB, TREC, etc.

2013 JUL

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

1004

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WLF1, G39A, DRME, etc.

1005

JSA	comp=Z,63nm,0.9s	IAMs_20	IAMs_20	17 35 58.7		
VLD0	comp=Z,1um,18.4s	Vai d'Or				
VLD0		87.90 25	PFAKE LR	16 52 10.0 +6.0		
H46A	comp=Z,400nm,20.0s	Fife Lake				
G47A	baz=325	88.00 31	P	16 52 04.5 0.0		
N40A	baz=326	88.03 30	P	16 52 05.4 +0.8		
L42A	baz=327	88.04 37	P	16 52 04.7 -0.1		
K43A	baz=328	88.07 36	P	16 52 04.5 -0.4		
M41A	baz=329	88.13 34	P	16 52 05.8 +0.6		
E50A	baz=330	88.15 36	P	16 52 05.7 +0.4		
BNI	baz=331	88.19 28	P	16 52 05.2 -0.2		
BNI	baz=332	88.24 30	PFAKE LR	16 52 20.0 +1.4		
F49A	comp=Z,900nm,20.0s	Sandfield				
TIP	baz=327	88.25 29	P	16 52 04.2 -1.5		
TIP	baz=328	88.31 320	PFAKE LR	16 52 20.0 +1.4		
TIP	comp=Z,1um,20.0s	Timpagrande				
N41A	baz=329	88.31 320	P	16 52 06.8 +0.6		
N41A	baz=330	88.52 37	PFAKE LR	16 52 20.0 +1.3		
E51A	comp=Z,400nm,20.0s	Harden Midland				
D52A	baz=321	88.52 37	P	16 52 06.9 -0.2		
TBI	baz=322	88.55 27	P	16 52 06.7 -0.4		
TBI	baz=323	88.55 26	P	16 52 07.4 +0.2		
TBI	baz=324	88.70 121	eS	17 02 54.9 +3.3		
D53A	comp=Z,360nm,34.2s	Tubuai				
D53A	comp=Z,1um,31.2s,baz=311	88.70 121	eLR	17 20 10.0		
L47A	comp=Z,1.11nm,0.3s	Tubuai				
L47A	baz=325	88.71 26	P	16 52 07.4 -0.4		
LPIG	baz=326	88.71 31	P	16 52 08.6 +0.6		
WMOK	comp=Z,1.28nm,18.5s,baz=294,slow=33	Wichita Mouna				
SSB	baz=316,SNR=11	88.83 46	P	16 52 08.9 +0.2		
SSB	comp=Z,800nm,21.0s	Saint Sauveur				
SSB	baz=326	88.88 331	PFAKE LR	16 52 20.0 +1.1		
D54A	baz=327	88.90 31	P	16 52 09.7 +0.9		
D54A	baz=328	89.00 25	P	16 52 09.3 +0.1		
E52A	baz=329	89.06 27	P	16 52 09.5 0.0		
F52A	baz=330	89.24 27	P	16 52 10.8 +0.5		
KLBO	baz=331	89.28 28	P	16 52 10.6 +0.1		
M44A	baz=332	89.30 35	P	16 52 11.1 +0.3		
E53A	baz=333	89.33 26	P	16 52 11.1 +0.3		
HDIL	baz=334	89.38 36	P	16 52 11.6 +0.5		
E54A	baz=335	89.45 26	P	16 52 11.5 +0.2		
CEL	baz=336	89.45 320	PFAKE LR	16 52 20.0 +8.4		
ALGO	comp=Z,1um,19.0s	Algonquin Park				
J48A	baz=337	89.56 26	P	16 52 11.5 -0.3		
TUL1	baz=338	89.60 31	P	16 52 13.7 +1.6		
TXAR	baz=339	89.64 43	P	16 52 13.0 +0.5		
TXAR	baz=340	89.72 52	P	16 52 13.8 +0.7		
J49A	comp=Z,224nm,21.7s,baz=0.0,slow=32	Marlette				
ABTX	baz=326	89.82 31	P	16 52 13.7 +0.6		
BASO	baz=327	89.86 48	P	16 52 13.8 +0.2		
K48A	baz=328	89.86 30	P	16 52 13.6 +0.3		
P43A	baz=329	89.87 32	P	16 52 13.7 +0.3		
H52A	baz=330	89.99 37	P	16 52 14.2 +0.2		
HPIG	baz=331	90.01 28	P	16 52 14.6 +0.6		
PEMO	baz=332	90.07 55	PFAKE LR	16 52 30.0 +1.5		
O44A	comp=Z,600nm,21.0s	Pembroke				
L47A	baz=330	90.08 26	P	16 52 14.0 -0.3		
SADO	baz=331	90.09 36	P	16 52 14.8 +0.3		
I51A	baz=332	90.09 33	P	16 52 14.6 +0.2		
CCM	baz=333	90.18 28	LR	17 34 46.6		
M47A	comp=Z,1.84nm,20.6s,baz=339,slow=37	Listowel				
BANO	baz=328	90.29 29	P	16 52 16.0 +0.7		
L48A	baz=329	90.39 39	P	16 52 16.0 +0.1		
SFIN	baz=330	90.41 34	P	16 52 16.2 +0.3		
G59A	baz=331	90.41 27	P	16 52 16.3 +0.4		
L49A	baz=332	90.45 32	P	16 52 16.5 +0.4		
PLVO	baz=333	90.54 35	P	16 52 16.9 +0.3		
N47A	baz=334	90.59 32	P	16 52 17.5 +0.7		
U40A	baz=335	90.63 26	P	16 52 16.5 -0.4		
ORIO	baz=336	90.69 26	P	16 52 16.9 -0.2		
DELO	baz=337	90.77 34	P	16 52 17.6 0.0		
DELO	baz=338	90.87 41	P	16 52 18.1 -0.1		
DELO	baz=339	90.87 25	P	16 52 18.5 +0.6		
DELO	baz=340	90.95 27	PFAKE LR	16 52 30.0 +1.2		
DELO	comp=Z,200nm,21.0s	Deloro Mine				
M49A	baz=330,SNR=5.7	91.03 32	P	16 52 18.4 +0.1		
N48A	baz=331	91.03 32	P	16 52 19.5 +0.7		
H55A	baz=332	91.08 33	P	16 52 19.2 +0.1		
P46A	baz=333	91.08 27	P	16 52 19.7 +0.8		
DRCO	baz=334	91.10 36	P	16 52 19.6 +0.4		
I55A	baz=335	91.11 28	P	16 52 20.0 +0.9		
W39A	baz=336	91.19 27	P	16 52 19.9 +0.5		
CLTB	baz=337	91.26 42	P	16 52 20.4 +0.4		
CLTB	baz=338	91.32 321	PFAKE LR	16 52 30.0 +1.0		
N49A	comp=Z,1um,20.0s	Columbus Grove				
O48A	baz=339	91.39 33	P	16 52 21.2 +0.7		
WH7A	baz=340	91.51 34	P	16 52 21.2 +0.2		
S44A	baz=341,SNR=6.3	Lake Whitney				
BLO	baz=342	91.65 38	P	16 52 22.0 +0.2		
MEDO	baz=343	91.77 35	PFAKE LR	16 52 30.0 +7.7		
MEDO	comp=Z,400nm,19.0s	Medina				
MEDO	baz=325	91.81 28	PFAKE LR	16 52 30.0 +7.6		

2013 JUL

MIAR	comp=Z,300nm,20.0s	Mount Ida				
O49A	baz=319,SNR=9.3	Covington				
BATG	comp=Z,16nm,1.1s	Bathurst New B				
WDD	baz=320	Wied Dalam				
W41B	comp=Z,700nm,21.0s	Gary Mavity, V				
L53A	baz=320	Girard				
PARMO	baz=321	Parma				
O50A	comp=Z,200nm,22.0s	Cable				
P49A	baz=322	Miami Univ. Ec				
X40A	baz=323	Basin Creek Fa				
PVMO	baz=324	Portageville				
ALLY	comp=Z,300nm,20.0s	Alegheny Colle				
ACSO	comp=Z,200nm,19.0s	Alum Creek Sta				
ACSO	baz=325	Alum Creek Sta				
T45A	comp=Z,200nm,19.0s	Paducah				
GNAR	baz=326	Gosnell				
P50A	comp=Z,300nm,22.0s	Jamestown				
WCI	baz=327	Wyandotte Cave				
L55A	comp=Z,301nm,20.0s	Hinsdale				
O51A	baz=328	Pataskala				
GLAT	baz=329	Glass				
M54A	comp=Z,300nm,20.0s	Oil Creek Stat				
T46A	baz=330	Princeton				
N53A	baz=331	Lisbon				
PKME	baz=332	Peaks-Kenny Pk				
O52A	baz=333	Adamsville				
N54A	baz=334	Moraine State				
R49A	baz=335	Shelbyville				
LBNH	comp=Z,400nm,22.0s	Lisbon				
M55A	comp=Z,400nm,20.0s	Ridgway				
O50A	baz=336	Georgetown				
O53A	baz=337	New Philadelph				
T47A	baz=338	Sharon Grove				
T47A	comp=Z,300nm,22.0s	Sharon Grove				
O51A	baz=339	Peebles				
O51A	comp=Z,300nm,22.0s	Peebles				
P52A	baz=340	Corning				
M56A	baz=341	Emporium				
S49A	baz=342	Springfield				
HNH	baz=343	Hanover				
R50A	comp=Z,400nm,21.0s	Paris				
R50A	comp=Z,300nm,20.0s	Paris				
WVW	baz=325	Waterville				
BINY	comp=Z,400nm,21.0s	Binghamton				
BINY	comp=Z,300nm,20.0s	Binghamton				
WVT	baz=331	Waverly				
WVT	comp=Z,300nm,22.0s	Waverly				
U47A	baz=323	Clarksville				
O54A	baz=324	Avella				
N55A	baz=325	Marion Center				
V46A	baz=326	Holladay				
P53A	baz=327	Whipple				
Q52A	baz=328	Bidwell				
FFD	baz=329	Franklin Falls				
T49A	comp=Z,700nm,21.0s	Edmonton				
T49A	comp=Z,300nm,21.0s	Edmonton				
U48A	baz=324	Cassie Pea, Po				
V47A	baz=325	Nunnely				
O55A	baz=326	Ligonier				
KSPA	baz=327	Keystone Cole				
SSPA	comp=Z,400nm,21.0s	Standing Stone				
N57A	baz=328	Milroy				
Q53A	baz=329	Leroy				
O56A	baz=330	Blue Knob Stat				
U49A	baz=331	Red Boiling Sp				
T50A	baz=332	Nancy				
CLTN	baz=333	Cedars of Leba				
S51A	comp=Z,100nm,21.0s	Beattyville				
V48A	comp=Z,300nm,19.0s	Smith Brothers				
V48A	comp=Z,300nm,21.0s	Smith Brothers				
P55A	baz=324	Reedsville				

19d 16h

W47A	Westpoint	94.40 38	P	P	16 52 35.3 +0.8
Q54A	Coxs Mills	94.43 32	P	P	16 52 35.0 +0.5
KEST	Kesra	94.67 323	P	P	16 52 36.0 +0.2
KEST	comp=Z,1.1nm,1.0s,baz=356,slow=3.2,SNR=7.9		LR	LR	17 40 27.2
KEST	comp=Z,574nm,19.1s,baz=354,slow=39		PFAKE LR	LR	16 52 50.0 +1.4
U50A	comp=Z,900nm,19.0s	Jamestown	94.78 36	P	16 52 37.2 +1.0
HRV	baz=325	Adam Dziewonsk	94.80 24	PFAKE LR	16 52 50.0 +1.4
P56A	comp=Z,400nm,20.0s	Dayton Farm, R	94.80 30	P	16 52 36.9 +0.7
W48A	baz=326	Pulaski	94.81 38	P	16 52 37.0 +0.6
Q56A	baz=327	Snyder Ridge,	95.06 31	P	16 52 38.2 +0.8
T52A	baz=328	Hallie	95.06 34	PFAKE LR	16 52 50.0 +1.3
HAL	comp=Z,400nm,22.0s	Halifax	95.08 18	PFAKE LR	16 52 50.0 +1.3
W49A	comp=Z,500nm,21.0s	Belvidere	95.16 38	P	16 52 38.6 +0.7
U51A	baz=324	La Follette	95.19 35</		

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like 253A, 154A, Y57A, RKT, Y8A, NHSC, PVAQ, PFVI, RTC, DWPF, ACON, ESPN, VNA, TOA1, TORO, MAW, SABA, SKI, LBTB, DBIC, BOSA, QSPA, SYO, SNA, VNA3, VNA1, LPAZ, MNMC, LVC, SIV, CFA, CFA, PLCA, BDFP, CPUP.

ISCJB 19 16:41:28.6:0.8, 47.64N:0.08:92.7W:0.1, h0km, Error ellipse: s-maj=12.6km s-min=7.7km az=37.7
NEIC 19 16:41:29.4:0.8, 47.64N:92.66W, h0km, MN2.3, Superficial Mining explosion.
NEIC 16 (10 miles) NW of Virginia.
IDC 19 16:41:31.0:4.0, 47.60N:92.60W, h0km, mb1 2.8/1, mb1mx2.7/4.1, mbtmp2.8/1.1, Error ellipse: s-maj=7.7km s-min=2.7km az=52.0
ISC 19 16:41:29.7:1.1, 47.63N:0.07:92.61W:0.06, h0km, n8, o54/7, Minnesota

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like EYMN, AGMN, C40A, SPMM, ULM, ULM, ULM, 110CA, 156US, ATH, AIG3, AIG1, AIG2, TRAZ, LAKA, LAKA, LAKA, TRIZ, KALE, SERG, SERG, SERG, KLV, DNF, ASX.

IDC 19 16:54:38.7:3.9, 6.55S:146.42E, h152km, 62km, mb3.1/3,

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like mb1 3.3/5, mb1mx3.0/2.6, mbtmp3.6/5, Error ellipse: s-maj=80.0km s-min=36.2km az=109.0, Eastern New Guinea region, MEX 19 17:04:41.9:0.5, 16.18N:97.59W, h10km, 8km, MD3.7, Oaxaca, Vista Hermosa, Huatulco, WRA, ASAR, MKAR, IDC 19 17:07:17.9:3.0, 1.49N:128.54E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.2/3, mbtmp3.3/3, Error ellipse: s-maj=231.8km s-min=30.0km az=68.0, Halmahera, WRA, ASAR, MKAR, IDC 19 17:23:40.5:0.8, 12.69N:143.99E, h0km, mb3.9/6, mb1 4.1/6, mb1mx3.7/29, mbtmp3.9/6, Error ellipse: s-maj=51.1km s-min=21.0km az=103.0, ISCJB 19 17:23:43.0:0.5, 12.50N:0.07:143.8E:0.1, h27km, mb4.3/13, Error ellipse: s-maj=17.1km s-min=8.9km az=19.4, NEIC 19 17:23:44.9:2.8, 12.48N:143.96E, h23km, 6km, mb4.6/8, Error ellipse: s-maj=18.6km s-min=12.9km az=145.0, ISC 19 17:23:45.0:0.7, 12.54N:0.10:143.9E:0.1, h27km, n28, o1925/24, mb4.5/13, South of Mariana Islands, GUMO, SARN, PATT, H1S3, H1S1, H1N1, H1N2, H1N3, COEN, WB2, WR1, WRA, AS31, ASAR, ASAR, HIZ, MK32, MKAR, ILAR, YKA, YKB5, BMO, MFID, ELK, FIAO, FINES, LPAZ, LPAZ, LPAZ, IDC 19 17:30:36.7:0.7, 12.53N:143.85E, h0km, mb3.9/13, mb1 4.2/13, mb1mx3.9/37, mbtmp3.9/13, MS3.4/3, Ms1 3.5/3, ms1mx3.1/2.4, Error ellipse: s-maj=21.1km s-min=15.4km az=112.0, NEIC 19 17:30:38.4:1.4, 12.45N:143.83E, h9km, 5km, mb4.8/17, Error ellipse: s-maj=19.6km s-min=14.6km az=94.0, ISCJB 19 17:30:39.0:4.0, 12.48N:0.06:143.76E:0.07, h27km, mb4.3/28, MS3.4/3, Error ellipse: s-maj=11.1km s-min=7.4km az=32.9, ISC 19 17:30:40.5:0.6, 12.46N:0.09:143.91E:0.10, h27km, n49, o1303/46, mb4.6/28, MS3.5/3, South of Mariana Islands, GUMO, SARN, PATT, H1S3, H1S1, H1N1, H1N2, H1N3, JNU, MJAR, MJAR, KSR5, WB2, WR1, WRA, ASAR, ASAR.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like PETK, CMAR, SONAO, SONM, SONM, BKZ, MK32, MKAR, MKAR, MAKZ, ILAR, ILAR, YKA, YKB5, PINE, NEW, BMO, KVN, NVAR, NV01, MF11, HLID, ELK, TPNV, PSUT, FIAO, FINES, YHH, PD31, PDAR, LASA, LPAZ, MEX 19 17:56:38.4:0.5, 16.74N:99.72W, h13km, 2km, MD3.7, AC2P, CAIG, CAIG, MEIG, TLIG, ARIG, PLIG, PLIG, WRA, ASAR, MKAR, MEX 19 17:56:48.5:1.6, 30.03S:71.12W, h70km, 17km, MLC3.7, ISC 19 17:56:39.7:1.4, 29.95S:0.04:71.66W:0.07, h32km, 11km, n36, o2516/44, C, Near coast of Chile, LSCH, LSCH, LSCH, GO04, GO04, GO04, LCO, LCO, LCO, LCO, CO02, CO02, AR0D, AR0D, AR03, AR03, RTLS, RTLS, RTLS, AMOG, RTLL, VCA, VCA, RTVC, PEL, PEL, PEL, CFA, ACAN, GO05, GO02, CYA, MRA, TCA, PB10, PB04, LVC, PB01, PB11, GO01, PLCA, MNMC, CPUP, LPAZ, SNA, 060A.

IDC 19 17:50:36.9:2.0, 0.02N:123.49E, h0km, mb3.4/3, mb1 3.6/5, mb1mx3.4/22, mbtmp3.4/3, Error ellipse: s-maj=301.0km s-min=28.2km az=62.0, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, MEX 19 17:56:38.4:0.5, 16.74N:99.72W, h13km, 2km, MD3.7, AC2P, CAIG, CAIG, MEIG, TLIG, ARIG, PLIG, PLIG, WRA, ASAR, MKAR, MEX 19 17:56:48.5:1.6, 30.03S:71.12W, h70km, 17km, MLC3.7, ISC 19 17:56:39.7:1.4, 29.95S:0.04:71.66W:0.07, h32km, 11km, n36, o2516/44, C, Near coast of Chile, LSCH, LSCH, LSCH, GO04, GO04, GO04, LCO, LCO, LCO, LCO, CO02, CO02, AR0D, AR0D, AR03, AR03, RTLS, RTLS, RTLS, AMOG, RTLL, VCA, VCA, RTVC, PEL, PEL, PEL, CFA, ACAN, GO05, GO02, CYA, MRA, TCA, PB10, PB04, LVC, PB01, PB11, GO01, PLCA, MNMC, CPUP, LPAZ, SNA, 060A.

ISCJB 19 17:56:38.8:0.9, 29.88S:0.03:71.89W:0.09, h43km, 12km, Error ellipse: s-maj=13.4km s-min=5.0km az=174.3
GUC 19 17:56:41.2:0.6, 29.96S:71.51W, h49km, 3km, ML4.1
NEIC 19 17:56:41.0:0.0, 29.96S:71.51W, h49km, ML4.2(GUC), After GUC.

NEIC Felt [III] at Coquimbo and La Serena and [II] at Andacollo.
SJA 19 17:56:48.5:1.6, 30.03S:71.12W, h70km, 17km, MLC3.7,
ISC 19 17:56:39.7:1.4, 29.95S:0.04:71.66W:0.07, h32km, 11km, n36, o2516/44, C, Near coast of Chile

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Includes stations like LSCH, LSCH, LSCH, GO04, GO04, GO04, LCO, LCO, LCO, LCO, CO02, CO02, AR0D, AR0D, AR03, AR03, RTLS, RTLS, RTLS, AMOG, RTLL, VCA, VCA, RTVC, PEL, PEL, PEL, CFA, ACAN, GO05, GO02, CYA, MRA, TCA, PB10, PB04, LVC, PB01, PB11, GO01, PLCA, MNMC, CPUP, LPAZ, SNA, 060A.

QSPA South Pole Qui 60.27 180 eP P 18 06 45.3 +0.4

mpv3.2 Error ellipse: s-maj=14.0km s-min=7.7km

TWD baz=278 eS Sb 18 55 21.1 +0.2

NEIC 19 18:17:36.8-0.0, 63.063N:149.737W, h80km, ML2.9(AEIC),

az=132.0

NACB Nanganchiao 0.95 284 eP Pb 18 55 08.9 -0.3

After AEIC., Central Alaska

ISC 19 18:42:09.8-2.1, 43.311N:0.08-83.86E, 0.07, h10km, n29,

NACB baz=283 eS Sb 18 55 21.7 +0.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like HUR, RND, KTH, etc.

Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like KTMS, DJR, UZB, etc.

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like TWC, ETLH, ESL, etc.

ISC 19 18:27.8-2.6, 24.98S:179.67E, h47km, 2.7km,

mb3.5/10, mb1.3/7.12, mb1mx3.5/27, mbtmp4.3/12, Error

SSLB Suanglung 1.53 264 eP Pb 18 55 18.1 +0.6

ellipse: s-maj=21.2km s-min=14.3km az=86.0

ISCJB 19 18:29.6-0.6, 25.10S:0.08-179.6E, 0.2, h507km,

SSLB Daxi 1.53 306 eP Pb 18 55 17.3 -0.2

mb3.8/10, Error ellipse: s-maj=21.8km s-min=10.1km

az=7.9

YM10 YM10 1.53 322 eP Pb 18 55 17.3 -0.4

ISC 19 18:30.5-0.6, 25.155S:0.09-179.6E, 0.2, h507km, n19,

az=121/19, mb3.9/10, South of Fiji Islands

YM10 YM10 1.54 322 eP Pb 18 55 18.4 +0.7

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like URZ, RPZ, ASAR, etc.

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like CHKK, KTBS, etc.

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like YULB, YHNB, etc.

GCG 19 18:23.3-2.0, 5.13384N:92.26W, h26km, 454km, MD3.8,

Off coast of Chiapas

WHYT Xinyi Township 1.63 261 eP Pb 18 55 21.1 +0.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like STG3, FUG, etc.

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like JYNG, YOJ, etc.

Main table of station data with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Lists stations like WNT, TCU, etc.

SOME 19 18:42:05.5, 43.12N:84.10E, h5km

NNC 19 18:42:12.5-1.8, 43.42N:83.80E, h1km, 6km, mb3.5,

WNT Mingjian 1.77 268 eP Pb 18 55 22.9 -0.2

Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res

Code Station Name Δ° AZ° Phase ID Time Res

EGAK	Eagle	24.33	43	eP	P	19 16 24.0	-0.2
BCPM	Bancas Point	24.54	55	eP	P	19 16 26.6	+0.4
ASAJ	Asahikawa	24.60	265	P	P	19 16 30.3	+1.7
DAWY	Dawson	24.96	45	eP	P	19 16 30.1	+0.2
HYT	Haines Junction	25.60	53	eP	P	19 16 37.5	+1.7
ERM	Erimo	25.61	261	eP	P	19 16 38.6	+2.7
ERM	Erimo	25.61	261	eP	Pmax	19 16 38.6	+2.7
EPYK	Eagle Plains	26.45	40	eP	P	19 16 43.4	0.0
EPYK	Eagle Plains	26.45	40	eP	P	19 16 43.5	+0.1
JIS	Juneau Island	27.36	58	eP	P	19 16 51.3	-0.2
INK	Inuvik	28.03	36	P	P	19 16 57.8	+0.5
KLR	Kul'dur	29.13	283	P	P	19 17 08.6	+1.2
USRK	Ussuriysk Ar.	31.30	274	P	P	19 17 27.2	+0.8
H112	WAKE ISLAND Hy	33.43	199	T	T	19 53 09.9	
H112	WAKE ISLAND Hy	33.43	199	T	T	19 53 11.1	
H111	WAKE ISLAND Hy	33.45	199	T	T	19 53 11.5	
H11S1	WAKE ISLAND Hy	34.66	199	T	T	19 54 44.0	
H11S2	WAKE ISLAND Hy	34.68	199	T	T	19 54 44.1	
H11S3	WAKE ISLAND Hy	34.68	199	T	T	19 54 43.2	
YKW3	Yellowknife A	36.14	46	eP	P	19 18 08.2	+0.2
YKA	Yellowknife Ar	36.17	47	P	P	19 18 08.8	+0.6
JOHN	Johnston Is.	36.59	160	P	P	19 18 13.5	+1.2
NLWA	Neilson Lookou	36.95	74	P	P	19 18 14.7	-0.4
D03D	Eldon	37.34	73	P	P	19 18 18.7	+0.3
B05A	Bryant	37.57	71	P	P	19 18 19.8	-0.5
KSRS	Korea Army	37.71	267	P	P	19 18 24.0	+2.5
E04D	Cinebar	38.14	74	P	P	19 18 25.4	+0.3
LTY	Liberty	38.90	72	P	P	19 18 30.2	-1.3
H04D	Lebanon	39.10	77	P	P	19 18 33.5	+0.3
B08A	Colville Reser	39.13	70	eP	P	19 18 32.8	-0.6
I02E	Tendick Farm	39.70	78	P	P	19 18 38.1	-0.1
LO4A	Cave Junction	39.80	81	P	P	19 18 40.1	+0.3
RES	Resolute Bay	39.92	24	P	P	19 18 40.8	+1.2
RES	Resolute Bay	39.92	24	eP	P	19 18 41.0	+1.5
RES	Resolute Bay	39.92	24	eP	P	19 18 41.0	+1.5
HAWA	Hanford	40.02	73	eP	P	19 18 40.4	-0.3
HUMO	Hull Mountain	40.04	80	eP	P	19 18 41.8	+0.8
KRMB	Red Mountain	40.08	82	eP	P	19 18 42.2	+0.8
NEW	Newport	40.45	69	P	P	19 18 43.3	-1.0
NEW	Newport	40.45	69	P	P	19 18 43.4	-1.0
KHMM	Horse Mountain	40.57	82	eP	P	19 18 46.1	+0.6
PINE	Pine Mountain	40.59	77	P	P	19 18 46.4	+0.7
L04D	Klamath Falls	40.66	80	P	P	19 18 46.5	+0.3
YBH	Yreka Blue Hor	40.69	80	P	P	19 18 46.8	+0.4
YBH	Yreka Blue Hor	40.69	80	eP	P	19 18 46.8	+0.4
J05D	Fort Rock, OR	40.70	78	P	P	19 18 46.8	+0.3
M02C	Callahan	40.80	81	P	P	19 18 47.7	+0.4
KMRM	Mail Ridge	40.97	83	eP	P	19 18 49.3	+0.6
N02D	Trinity Center	41.14	81	P	P	19 18 50.7	+0.6
M04C	Macdoel	41.19	80	P	P	19 18 51.0	+0.5
I07A	Izeze	41.29	75	P	P	19 18 50.6	-0.7
KCPM	Cahto Peak	41.37	84	eP	P	19 18 51.8	-0.2
WDC	Whiskeytown Da	41.47	82	eP	P	19 18 52.9	+0.2
WDC	Whiskeytown Da	41.47	82	eP	Pmax	19 18 52.9	+0.2
O02D	Mt. Diablo Mer	41.56	82	P	P	19 18 54.5	+1.0
WALA	Waterton Lakes	41.87	66	eP	P	19 18 54.7	-1.3
MOD	Modoc Plateau	42.05	79	eP	P	19 18 57.0	-0.5
O03E	Paynes Creek	42.09	82	P	P	19 18 57.8	-0.1
HOPS	Hopland Field	42.11	84	eP	P	19 18 56.5	-1.3
BMO	Blue Mountains	42.16	73	eP	P	19 18 57.5	-0.9
BMO	Blue Mountains	42.16	73	eP	Pmax	19 18 57.5	-0.9
J08A	Circle Bar Ran	42.31	76	eP	P	19 18 59.2	-0.4
ORV	Oroville	42.73	82	eP	P	19 19 02.6	-0.2
WVOR	Wild Horse Val	42.75	77	eP	P	19 19 01.8	-1.4
WVOR	Wild Horse Val	42.75	77	eP	Pmax	19 19 01.8	-1.4
PLID	Pearl Lake	42.80	72	eP	P	19 19 01.7	-2.0
MSO	Missoula	43.04	69	eP	P	19 19 03.7	-1.8
MSO	Missoula	43.04	69	eP	P	19 19 04.3	-1.1
BEKR	Beckworth	43.23	81	eP	P	19 19 06.5	-0.7
AFDM	Forest Hills D	43.42	83	eP	P	19 19 07.7	-0.8
MFID	Camas Ranch	43.86	74	eP	P	19 19 10.6	-1.5
PAHR	Pah Rah Range	43.93	81	eP	P	19 19 11.7	-0.9
VCNR	Virginia City	44.02	81	eP	P	19 19 13.8	+0.4
PNTR	Pine Nut	44.17	81	eP	P	19 19 14.8	+0.1
HRY	Holter Researc	44.31	68	eP	P	19 19 13.9	-1.7
CMB	Columbia Colle	44.35	83	eP	P	19 19 15.9	0.0
CMB	Columbia Colle	44.35	83	eP	Pmax	19 19 15.9	0.0
LRM	Limekiln Ridge	44.46	69	eP	P	19 19 13.9	-3.0
YERR	Yerlington	44.46	81	eP	P	19 19 16.5	-0.4
SONM	Songiro Array	44.60	294	P	P	19 19 19.9	+2.0
HLID	Halley	44.61	73	eP	P	19 19 17.1	-1.0
HLID	Halley	44.61	73	eP	P	19 19 17.3	-0.8
WAKR	Walker	44.64	82	eP	P	19 19 18.4	0.0

EGMT	Eagleton	44.76	65	P	P	19 19 17.9	-1.2
MCMT	McKenzie Canyo	44.79	71	eP	P	19 19 17.5	-2.1
BMN	Battle Mountai	44.80	78	eP	P	19 19 19.2	-0.3
BOZ	Bozeman (W)	45.06	69	eP	P	19 19 19.1	-2.4
BOZ	Bozeman (W)	45.06	69	eP	Pmax	19 19 19.1	-2.4
BOZ	Bozeman (W)	45.06	69	eP	Pmax	19 19 20.2	-1.4
KVN	Kaiserville	45.11	80	eP	P	19 19 22.1	0.0
KVN	Kaiserville	45.11	80	eP	Pmax	19 19 22.1	0.0
RYN	Ryan	45.12	81	eP	P	19 19 22.2	0.0
NV01	Mina Array Sit	45.38	81	eScP	ScP	19 24 40.6	+1.3
NV01	Mina Array Bea	45.38	81	P	P	19 24 43.0	0.0
NVAR	NVAR	45.41	83	eP	ScP	19 24 40.6	+1.3
MDPB	Devils Postpil	45.41	83	eP	P	19 19 24.0	-0.5
NV11	Mina Array Sit	45.47	81	eP	P	19 19 24.6	-0.2
OMMB	Old Mammoth Mi	45.47	83	eP	P	19 19 25.1	0.0
QLMT	Earthquake Lak	45.62	70	eP	P	19 19 24.0	-2.0
HHC	Hu-ho-hao-te	45.64	283	eP	Pmax	19 19 27.3	+1.2
HHC	Hu-ho-hao-te	45.64	283	eP	Pmax	19 19 27.3	+1.2
HHC	Hu-ho-hao-te	45.64	283	eP	Pmax	19 19 27.3	+1.2
YHB	Horse Butte	45.80	70	eP	P	19 19 25.7	-1.8
ELK	Elko	45.80	77	eP	P	19 19 26.6	-1.0
ELK	Elko	45.80	77	eP	Pmax	19 19 26.6	-1.0
PAGB	Antelope Grade	45.91	86	eP	P	19 19 28.4	+0.1
YHH	Holmes Hill	45.98	70	eP	P	19 19 27.8	-1.2
YFT	Old Faithful	46.18	70	eP	P	19 19 29.7	-0.8
FLWY	Flagg Ranch	46.48	70	eP	P	19 19 32.8	0.0
FXWY	Fox Creek	46.55	71	eP	P	19 19 32.3	-1.1
YES	Vestal, Richr	46.56	85	P	P	19 19 32.7	-0.5
HVU	Hansel Valley	46.64	74	eP	P	19 19 32.5	-1.5
HVU	Hansel Valley	46.64	74	eP	Pmax	19 19 32.5	-1.5
TPAW	Teton Pass	46.68	71	eP	P	19 19 34.3	-0.2
RLMT	Red Lodge	46.69	68	eP	P	19 19 33.8	-0.6
RLMT	Red Lodge	46.69	68	eP	P	19 19 33.8	-0.6
CWC	Cottonwood Cre	46.78	83	P	P	19 19 35.3	+0.1
NJ2	Nanjing	46.87	269	eP	Pmax	19 19 37.8	+2.1
BGU	Big Grassy Mow	47.01	75	eP	P	19 19 35.8	-1.1
ISA	Isabella, Lake	47.05	84	eP	P	19 19 35.1	-2.1
ISA	Isabella, Lake	47.05	84	eP	Pmax	19 19 35.1	-2.1
ISA	Isabella, Lake	47.05	84	eP	P	19 19 36.5	-0.7
R11A	Troy Canyon, C	47.08	80	eP	P	19 19 36.8	-0.8
R11A	Troy Canyon, C	47.08	80	eP	P	19 19 37.1	-0.4
SPUT	South Promonto	47.12	74	eP	P	19 19 36.5	-1.2
DAC	Darwin Calif	47.19	83	eP	P	19 19 38.1	-0.3
DAC	Darwin Calif	47.19	83	eP	P	19 19 38.1	-0.3
MPMC	Manual Prospec	47.40	83	P	P	19 19 40.0	0.0
HWUT	Hardware Ranch	47.46	73	eP	P	19 19 38.9	-1.5
LAO	LASA Array	47.50	65	P	P	19 19 39.3	-1.1
LAO	LASA Array	47.50	65	P	P	19 19 40.1	-0.4
FURC	Furnace Creek,	47.51	82	P	P	19 19 40.9	+0.3
TPNV	Topopah Spring	47.58	81	eP	P	19 19 40.9	-0.4
TPNV	Topopah Spring	47.58	81	eP	P	19 19 41.2	-0.1
DUG	Dugway, Toeole	47.59	76	eP	P	19 19 40.3	-1.1
DUG	Dugway, Toeole	47.59	76	eP	Pmax	19 19 40.3	-1.1
DUG	Dugway, Toeole	47.59	76	eP	Pmax	19 19 40.3	-1.1
LRMC	Laurel Mtn Rad	47.66	84	P	P	19 19 41.6	-0.4
EDW2	Edwards Air Fo	47.86	85	P	P	19 19 43.4	0.0
CTU	Camp Tracy	47.92	75	eP	P	19 19 42.1	-1.8
BW06	Boulder Arroy	47.93	71	P	P	19 19 42.3	-1.8
BW06	Boulder Arroy	47.93	71	P	P	19 19 42.9	-1.2
PDAR	Pinale Array	47.93	71	P	P	19 19 43.0	-1.1
PSUT	Pine Spring	48.01	78	eP	P	19 19 43.4	-1.4
JLU	Jordanle	48.15	74	eP	P	19 19 44.6	-1.2
NLU	North Lily Mtn	48.16	76	eP	P	19 19 45.1	-0.9
MWC	Mount Wilson	48.26	86	eP	P	19 19 45.9	-0.7
MWC	Mount Wilson	48.26	86	eP	P	19 19 45.9	-0.7
GSC	Goldstone, Bar	48.31	84	eP	P	19 19 46.6	-0.3
GSC	Goldstone, Bar	48.31	84	eP	Pmax	19 19 46.6	-0.3
GSC	Goldstone, Bar	48.31	84	eP	P	1	

19d 21h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TXAR Lajitas Array, ABTX Abilene, Hawle, ARU Arti, CHGO Chibougamau, TOBO Tobernory, Bru, U40A Yellville, K48A Perry, JCT Junction City, J49A Mariette, SF2N Lafayette, FINA Sundridge, W39A Magazine, WHTX Lake Whitney, BUKO Buck Lake, BWLO Walkerton, N47A Urbana, FCAR Ozark Folk Cen, E54A Lac Daplat, Po, MIAR Mount Ida, G55A Haliburton, W41B Gary Mavity, V, BANO Bancroft, G55A Calabogie, T47A Sharon Grove, FINES FINESS Array B, L54A Sinciville, K54A Basiliko Farm, V46A Holladay, OXF Oxford, V47A Nunnelly, U48A Cassie Pea, Po, N54A Moraine State, M55A Ridgway, M56A Emporium, W48A Pulaski, V49A McMinnville, BINY Binghamton, KK31 Karatay Array, KK31 Karatay Array, KKAR Karatay Array, KKAR Karatay Array, KSH Kashi, L58A Harry Jones Me, M58A Price's Panora, R54A Victor, N58A Sunbury, O57A Amberson, N59A State Game Lan, O59A Robesonia, Z50A Ashland, Q58A Fox Den Farm, V54A Nebo, R58A Rapidan, Y53A Monroe, S58A Poland Farm, P, KM5C Kings Mountain, U57A Blanch, Z53A Monticello, Y54A Tignall, X55A Gracelyn & Ava, NH5C New Hope, AKASG Malin Array Be, VYHS Vyhne, WRA Warramunga Arr, AS31 Alice Springs, TOA1 Torodi Arr, TOA1 Torodi Arr, MAW Mawson, BOSAS Bosha, MAN 19 19:23:28.8, 1791N:120.74E, h22km, mb4.0, ML2.8, MS2.5, 1D, Luzon

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ATAH Athalupa, ATAH Athalupa, NNA Nana, LPAZ Lajitas Array, SIV San Ignacio, PTGA Pitinga, MDP Montagnes des, BDFB Brasilia, TXAR Lajitas Array, PDAR Piedale Array, NVAR Milna Array, DBIC Dimbokro, TORO Torodi Arr, ESCD Sonseca Array, ASAR Alice Springs, IDC 19 19:39:07.9, 0.9, 48.83Sx164.73E, h0km, mb4.1/4, mb1 4.3/6, mb1mx4.0/18, mbtmp4.1/6, ML3.5/2, MS3.5/5, Ms1 3.5/5, ms1mx3.3/18, Error ellipse: s-maj=31.5km, ISCJB 19 19:39:10.3, 0.5, 48.98S:0.06:164.99E:0.08, h35km, mb4.5/14, MS3.4/4, Error ellipse: s-maj=10.9km, NEIC 19 19:39:12.5, 3.0, 48.88S:164.88E, h33km, 5km, mb4.5/14, Error ellipse: s-maj=17.8km s-min=9.3km az=136.0, ISC 19 19:39:12.9, 0.6, 48.96S:0.08:165.00E:0.09, h35km, n71, a152/64, mb4.3/14, MS3.4/4, 3C-1D, Off west coast of South Island

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, HHC Hu-ho-hao-te, PEAK Petropavlovsk, MK32 Makanchi Array, MKAR Makanchi Array, TORO Torodi Arr, TOA1 Torodi Arr, BR101 Keskin Array S, BR131 Keskin Array S, BRTR Keskin Array S, ARAO ARCES Array S, ARCES ARCES Array S, AKBS Malin Array Be, AKAB Malin Array Si, VRI Vriuncoia, MLR Mruente Rosu, FIAO FINESS Array S, FINES FINESS Array B, WRA Warramunga Arr, ASAR Alice Springs, NWAO Narrogin (SRO), MKAR Makanchi Array, SNET 19 20:39:40.6, 0.7, 12.64N:87.83W, h71km, gkm, ML3.9, 3D, Near coast of Nicaragua, CNCH Conchagua, LCND La Caada, VSM San Miguel, LCY Lacayo, PACA Pacaya, TECA Tecapa, ESTN Estel, IDC 19 21:05:46.2, 5.2, 26.51N:57.47E, h0km, mb3.6/9, mb1 3.7/9, mb1mx3.4/45, mbtmp3.6/9, Error ellipse: s-maj=55.4km s-min=23.7km az=155.0, DSN 19 21:05:46.1, 0.3, 26.41N:58.20E, h38km, ML3.8/6, Error ellipse: s-maj=6.6km s-min=3.4km az=32.0, ISCJB 19 21:05:48.4, 0.4, 26.63N:0.02:57.73E:0.04, h10km, mb3.6/9, Error ellipse: s-maj=5.8km s-min=3.5km az=177.4, TEH 19 21:05:46.3, 26.71N:57.79E, h10km, ML3.6, THR 19 21:05:47.5, 26.74N:57.78E, h18km, ML3.4, OMAN 19 21:05:49.2, 2.8, 26.52N:57.86E, h12km, Error ellipse: s-maj=21.3km s-min=11.9km az=22.0, ISC 19 21:05:46.6, 0.6, 26.53N:0.03:57.79E:0.03, h10km, n56, a151/62, mb3.7/14, Southern Iran, JSK1 Jask, NIAN Nian, SHME Shamm, SHME Shamm, BNSD Bandar-Abbas, GENO Geno, GENO Geno, MDH Madha, MDH Madha, MDH Madha, MSFE Esma-Masafi, UOSS Minazif, UOSS Minazif, UMJO Umm Al-Quwin, HATD Hatta, Dubai, HATD Hatta, Dubai, NAZ Nazwa, Dubai, NAZ Nazwa, Dubai, NAZ Nazwa, Dubai, CHBR Chabahar, CHBR Chabahar, FAQ Al Faqa, Dubai, ASUD Al Ashuh, Dub, ASUD Al Ashuh, Dub, HOQ Hoqan, HOQ Hoqan, BIDO Bidbid, BIDO Bidbid, ALNE Al Ain, ALNE Al Ain, NGRK Negar Kerman, NGRK Negar Kerman, CHMN Cheshme madani, CHMN Cheshme madani, WSAR Warramunga Arr, ARQ Araji, ARQ Araji, KRBR Kerman, TVBK TV Kerman, KHGB Koh Gabri, KHGB Koh Gabri, ZHFS Zehadan, ZHFS Zehadan, ZHFS Zehadan, ISRV Sarvestan, BSRN Basiran, BSRN Basiran, YZKH Yazd, YZKH Yazd, IRAM Ramesheh, IRAM Ramesheh, TABS Tabas, TABS Tabas, ZMGN Zangiac, ZMGN Zangiac, AKTO Aktyubinsk, AKTO Aktyubinsk, BRTR Keskin Array B

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BVAR Borovoye Array, KURBB Kurchatov Arra, AKASG Malin Array Be, etc.

IDC 19 21:11:36.0,3.9,37.62N:70.04E,h0km,mb3.5/4, mb1.3/7.1,mb1mx3.4/5.2,mbmp3.6/11,ML3.3/7, Error ellipse: s-maj=60.4km s-min=16.8km az=161.0

NNC 19 21:11:39.9,2.4,37.97N:69.64E,h10km,9km,mb4.0, mpv3.6, Error ellipse: s-maj=17.0km s-min=15.4km az=55.0

ISCJJB 19 21:11:40.7,1.3,38.3N:0.1,69.52E:0.07,h12km,mb3.8/1, Error ellipse: s-maj=15.4km s-min=8.4km az=174.8

ISC 19 21:11:41.8,1.5,38.2N:0.1,69.40E:0.07,h12km,n27, c206/31,5C-6D,Tajikistan

Main table for stations in Tajikistan and surrounding regions, including IUG Iuzhnay, IUG 187nm,0.5s, BRLLS Borolday, etc.

MEX 19 21:15:19.2,0.5,16.00N:96.97W,h24km,8km,MD3.8, Near coast of Oaxaca

Table for stations in Mexico, including HUIG Huatulo, VHO Vista Hermosa, etc.

MAN 19 21:17:17.3,7.96N:126.76E,h36km,mb4.7,ML3.6,MS3.4, 1D, Mindanao

Table for stations in Mindanao, including MATI Mati, MATI Busuan, etc.

NNC 19 21:22:05.9,1.4,38.13N:69.29E,h7km,5km,mb3.6, mpv3.2,4C-7D, Error ellipse: s-maj=10.9km s-min=9.8km az=172.0, Tajikistan

Table for stations in Tajikistan, including KK31 Karatay Array, KK31 0.8nm,0.4s, etc.

Table for stations in the Alar-Archa region, including AAK Alar-Archa, AAK 4.3nm,0.8s, etc.

THR 19 21:24:42.7,31.38N:56.42E,h14km,ML3.6, TEH 19 21:24:42.2,31.34N:56.37E,h10km,ML3.6, ISCJB 19 21:24:43.4,0.5,31.36N:0.04,56.39E:0.05,h10km, Error ellipse: s-maj=6.1km s-min=5.7km az=31.8

ISC 19 21:24:42.9,0.9,31.35N:0.04,56.38E:0.04,h10km,n31, c156/73,Northern and central Iran

Main table for stations in Iran and surrounding regions, including IBAF Bafgh, KHGB Koh Gabri, TVBK Ter Keran, etc.

KRSC 19 21:36:13.2,1.9,55.51N:165.86E,h22km,13km,ML3.6, Komandorsky Islands region

Table for stations in the Komandorsky Islands region, including BKI Bering, BKI Krutoberegovo, etc.

ISCJJB 19 21:56:04.9,0.2,14.78S:0.03,167.22E:0.04,h57km, mb5.0/7.8, Error ellipse: s-maj=5.5km s-min=4.3km az=4.9

NEIC 19 21:56:08.4,1.6,14.79S:167.25E,h74km,5km,mb4.7/7.5, Error ellipse: s-maj=12.0km s-min=8.7km az=50.0

IDC 19 21:56:09.8,2.7,14.81S:167.21E,h85km,23km,mb3.9/16, mb1.4/1.7,mb1mx3.9/3.3,mbmp4.3/17,MS2.8/2, Ms1.2.8/2,ms1mx2.6/33, Error ellipse: s-maj=22.2km s-min=14.3km az=91.0

ISC 19 21:56:06.0,0.3,14.78S:0.05,167.26E:0.06,h57km,n123, c121/130,mb5.0/7.8,Vanuatu Islands

Main table for stations in the Vanuatu Islands region, including MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

Main table for stations in the Pacific region, including BKZ Black Stump Fm, BFZ Birch Farm, SNZO South Karori, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, FIAO FINES Array S, NB2 NORSAR Subarray 130.67 345, etc.

ISC/JB 19:22:15.33.7.0.4.3.20N:0.05.95.20E:0.05, h10km, Error ellipse: s-maj=9.0km s-min=5.9km az=40.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SANSI Sinabang, ACEH, MCSI Meulaboh, etc.

ISC 19:22:15.35.2.0.5.3.21N:0.07.95.19E:0.07, h10km, n53, off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SANSI Sinabang, ACEH, MCSI Meulaboh, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONA Songoing Array, SONM Songoing Array, FORT Forrest, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MSAI Masohi, AAI Ambon, LAI Namlea, etc.

ISC/JB 19:22:26.10.3.0.7.12.9N:0.1.143.3E:0.2, h10km, Error ellipse: s-maj=23.2km s-min=12.7km az=28.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMO Guam, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

ISC/JB 19:22:26.59.8.0.6.17.9S:0.1.178.5W:0.1, h650km, mb3.7/1.1, Error ellipse: s-maj=20.6km s-min=11.7km az=137.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, RPZ Zeta Peaks, etc.

ISC 19:22:27.01.6.0.7.17.9S:0.1.178.5W:0.1, h650km, n18, off 192/19, mb3.8/1.1, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARCES ARCESS Array B, BRTR Keskin Array B, GERES GERESS Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MRL Marmol, CMIG Matias Romero, CMIG Matias Romero, etc.

ISC 19:22:26.12.4.1.1.12.9N:0.1.143.3E:0.2, h10km, n28, off 1907/22, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GUMU Guam, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

DDA 19:23:13.40.7.39.22N:27.96E, h7km, 4km, ML2.1, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STEP BALIKESIR_Sava, STEP Balikesir, STEP Balikesir, etc.

ATH 19:23:14.03.5.39.01N:26.27E, h20km, 2km, ML1.9/2, Error ellipse: s-maj=2.7km s-min=1.1km az=262.0, Turkey

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

DDA 19:23:17.30.9.38.52N:40.84E, h7km, 3km, ML3.9, ISC 19:23:17.30.4.38.49N:40.79E, h5km, ML3.9/14

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HANI Diyarbakir_Han, SVAN Silvan-Diyarba, SVAN Silvan-Diyarba, etc.

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like MARD, ERZN, ELZG, MLAZ, KOPF, SIRS, KOPR, GEVA, TUTA, URFA, BAYT, AGRB, VANB, TVAN, SENK, CLDR, CUKT, DARE, KTUT, KARS, BGD, AKH, TKB, BTNK, TBLG, ONI, GUDG, LGD, KOLS, LANS, VYHS.

NNC 19 23:25:02.6, 0.3, 43.20N: 78.66E, h4km, 2km, mb3.4, mpv3.6, Error ellipse: s-maj=3.1km s-min=1.6km az=174.0

ISCJB 19 23:25:07.3, 0.4, 43.21N: 0.02: 78.65E: 0.02, h7km, 3km, Error ellipse: s-maj=3.9km s-min=2.7km az=150.8

SOME 19 23:25:07.4, 4.3, 18N: 78.63E, h15km

KRNET 19 23:25:07.1, 0.1, 43.22N: 78.66E, h21km, mb3.3

ISC 19 23:25:07.5, 0.8, 43.21N: 0.02: 78.63E: 0.02, h13km, 6km, n59, c0:55/108, 26C-8D, Lake Issyk-Kul region

Main table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SATY, KPKS, KURS, PDGK, PRZ, MNBS, KOTS, MDOK, IDOK, ARXS, TNS, YZKH, TKDS.

Main table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like KTMS, CHKK, DJR, KDJ, MTBS, KUU, KST, BOOM, KAPS, KMS, ARLS, MK31, OTUK, KURB, IBAF, KHGB, TVBK, IMEH, NGRK, CHHM, YZKH, TKDS.

ISC 19 23:26:41.6, 1.4, 31.35N: 56.11E, h0km, mb3.2/4, mb1 3.4/7, mb1mx3.2/4.1, mbtmp3.4/7, ML3.5/3, MS2.6/1, Ms1 2.6/1, ms1mx2.1/27, Error ellipse: s-maj=28.0km s-min=20.8km az=125.0

TEH 19 23:26:41.8, 31.32N: 56.38E, h10km, ML3.5

ISCJB 19 23:26:42.6, 0.3, 31.32N: 0.03: 56.41E: 0.04, h10km, mb3.1/3, Error ellipse: s-maj=5.0km s-min=3.6km az=159.5

THR 19 23:26:42.1, 31.33N: 56.39E, h15km, ML3.6

ISC 19 23:28:42.3, 0.7, 31.35N: 0.04: 56.38E: 0.03, h10km, n41, c187/45, mb3.2/3, Northern and central Iran

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like ISAD, TABS, BSRN, IKOO, ANAR, NASN, NASN, IRAN, IZEF, IKLH, ISFB, ANJN, ROKH, PIPS, JHBN, SBZV, ISHM, IPAY, GSHO, IDMV, IAKL, JRKH, ISFR, GEYT, GEYT, GEYT, WSAR, AKTO, BRTR, MKAR, KURB, TORD.

IDC 19 23:43:20.1, 6.3, 6.14S: 121.38W, h0km, mb3.7/4, mb1 4.2/4, mb1mx3.9/16, mbtmp3.7/4, Error ellipse: s-maj=152.8km s-min=119.9km az=123.0, South Pacific Ocean

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TXAR, NVAR, PDAR, YKA, H11S2, H11S1, H11S3, H11N3, H11N2, H11N1, BRTR.

MAN 19 23:48:02.0, 13.46N: 121.50E, h31km, mb4.1, ML2.9, MS2.5, 1C, Mindoro

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like BOAC, PGP, SUMP, SUMP, OTRP, LUBP.

SNET 20 00:02:53.7, 1.1, 12.69N: 88.66W, h36km, 151km, ML4.4

GCG 20 00:02:54.9, 0.3, 12.77N: 88.74W, h120km, 57km, MD4.2

ISC 20 00:02:51.1, 2.5, 12.77N: 0.1: 88.62W: 0.05, h10km, 11km, n22, c092/32, Off coast of central America

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LCY, VSM, TECA, LCND, SNVI, CNCH, PAVA, LOMA, LOMA, LFUJ, SNVT, CNCH, PAVA, LOMA, LOMA, VICT, CEDA, CEVE, SBLS, RTR, NBG, PCG, MRL, FUG, STG3.

ISCJB 20 00:17:24.0, 0.8, 21.1S: 0.2: 179.4W: 0.2, h650km, mb3.5/7, Error ellipse: s-maj=28.8km s-min=17.5km az=153.6

IDC 20 00:17:26.5, 6.8, 21.01S: 179.44W, h663km, 89km, mb3.1/7, mb1 3.4/8, mb1mx3.0/36, mbtmp4.1/8, Error ellipse: s-maj=35.9km s-min=28.9km az=61.0

ISC 20 00:17:24.9, 0.6, 21.25S: 0.2: 179.4W: 0.2, h650km, n10, c150/10, mb3.5/7, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LCY, VSM, TECA, LCND.

20m 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, URZ, ASAR, WRA, Vnda, KSRS, NVAR, TXAR, ILAR, AKASG.

NIED 20:00:22:00, 37.70N, 142.90E, h17km, Mw3.7 Best double couple: M=4.01000e+10, NP1=343.00000, z=28.00000, l=115.00000, NP2=191.00000, z=65.00000, l=177.00000

JMA 20:00:22:48.2, 2.0, 37.72N, 142.86E, h19km, Mw4.1 ISCJB 20:00:22:48.2, 1.3, 37.69N, 142.83E, 0.07, h16km, 8km, mb3.7/5, MS3.5/1, Error ellipse: s-maj=8.7km s-min=6.5km az=4.6

ICD 20:00:22:59.0, 4.2, 37.42N, 142.29E, h80km, 34km, mb3.6/5, mb1 3.5/7, mb1mx3.3/38, mbtmp3.8/7, MS2.8/4, Ms1 2.8/4, ms1mx2.6/31, Error ellipse: s-maj=40.9km s-min=24.8km az=90.0

ISC 20:00:22:49.7, 2.7, 37.72N, 142.90E, h80km, 15km, n32, r154/35, mb3.5/5, Off east coast of Honshu

Main table for 20m 1h section, listing station codes, names, coordinates, and seismic data.

ZUR 20:00:20:10.6, 47.42N, 9.32E, h4km, ML1.4/10, 5C-1D, Error ellipse: s-maj=1.5km s-min=0.7km az=25.0, Germany

Table for ZUR station, listing codes, station names, and seismic data.

ROM 20:00:30:33.9, 0.1, 42.788N, 0.003, 12.985E, 0.006, h11km, ML1.4/6, Error ellipse: s-maj=0.5km s-min=0.3km az=107.0, Central Italy

Table for ROM station, listing codes, station names, and seismic data.

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Table for 2013 JUL section, listing station codes, names, coordinates, and seismic data.

ISCJB 20:00:31:08.6, 0.3, 54.25N, 0.08, 166.09W, 0.08, h122km, 3km, mb3.8/8, Error ellipse: s-maj=13.9km n-min=4.5km az=153.3

NEIC 20:00:31:09.1, 0.0, 54.14N, 166.05W, h113km, mb4.0/9, MD4.0, ML3.6(AEIC), After AEIC.

ICD 20:00:31:10.7, 3.8, 54.56N, 166.10W, h116km, 31km, mb3.5/8, mb1 3.6/10, mb1mx3.3/55, mbtmp3.8/10, Error ellipse: s-maj=40.0km s-min=18.7km az=177.0

ISC 20:00:31:09.4, 0.7, 54.19N, 166.03W, 0.06, h116km, 6km, n56, r158/65, mb3.6/8, Fox Islands

Main table for 2013 JUL section, listing station codes, names, coordinates, and seismic data.

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0.6mm, 0.5s, baz=7.3, slow=5.4, SNR=4.4 LBTB L06ase 149.60 339 PKPbc PKPbc 00 50 44.9 -0.1 1.9mm, 0.6s, baz=0.0, slow=4.0, SNR=5.3

ISC 20:00:50:48.6, 0.9, 50.32N, 0.05, 18.81E, 0.02, h0km, n16, r060/30, Poland

Table for ISC 20:00:50:48.6, listing station codes, names, coordinates, and seismic data.

SJA 20:01:16:26.6, 0.5, 27.61S, 72.24W, h48km, 10km, ML3.9, MW4.0

GUC 20:01:16:35.1, 0.5, 27.91S, 71.53W, h15km, 9km, ML3.5 ISC 20:01:16:32.3, 1.2, 27.8S, 0.1, 71.7W, 0.1, h28km, n16, r26/20, 1C-10, Near coast of northern Chile

Main table for 1014 section, listing station codes, names, coordinates, and seismic data.

ISCJB 20:01:34:17.9, 0.6, 13.36S, 0.07, 114.80E, 0.08, h10km, mb4.1/7, Error ellipse: s-maj=12.7km s-min=7.5km az=142.6

ICD 20:01:34:19.0, 1.1, 13.30S, 114.73E, h0km, mb4.0/7, mb1 4.3/11, mb1mx3.9/41, mbtmp4.2/11, ML3.7/3, Error ellipse: s-maj=32.2km s-min=19.2km az=55.0

NEIC 20:01:34:20.0, 2.8, 13.37S, 114.77E, h12km, 5km, mb4.3/6, Error ellipse: s-maj=19.1km s-min=5.3km az=94.0

ISC 20:01:34:19.8, 0.8, 13.40S, 114.80E, 0.09, h10km, n23, r191/25, mb4.1/7, Northwest of Australia

Main table for 1014 section, listing station codes, names, coordinates, and seismic data.

ICD 20:01:49:00.6, 1.9, 21.09S, 178.42W, h474km, 21km, mb3.6/15, mb1 3.8/18, mb1mx3.6/26, mbtmp4.5/18, Error ellipse: s-maj=17.4km s-min=13.0km az=156.0 ISCJB 20:01:49:02.2, 0.3, 21.04S, 178.53W, 0.08, h500km,

20d 2h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, UGL, etc. Includes stations like San Lorenzo, Humahuaca, Zapla, Limon Verde, Cafayete, etc.

MOS 20 02:12:55.5, 0.1, 51.64N:142.96E, h12km, mb4, 3/11, Error ellipse: s-maj=12.9km s-min=6.9km az=85.3

SKHL 20 02:12:55.5, 0.1, 51.56N:142.63E, h12km, mb5, 0/8, Ms3.9/2, msh4.9/1

SKHL Felt (III) at Nysh. IDC 20 02:12:55.5, 0.1, 51.57N:142.90E, h0km, mb3, 9/14, mb1 4.0/1.7, mb1mx3.9/3.8, mbtmp3.8/1.7, MLZ=7.3, MS2.8/9, Ms1 2.8/9, ms1mx2.7/3.7, Error ellipse: s-maj=23.4km s-min=14.2km az=162.0

ISCJB 20 02:12:58.3, 0.8, 51.57N:0.05:143.14E:0.06, h33km, 8km, mb4, 0/26, MS2.9/3, Error ellipse: s-maj=8.1km s-min=5.7km az=158.0

NEIC 20 02:13:00.9, 1.6, 51.59N:142.97E, h40km, 6km, mb4, 3/9, Error ellipse: s-maj=14.6km s-min=4.9km az=154.0

ISC 20 02:12:57.3, 1.1, 51.54N:0.02:142.81E:0.04, h14km, 7km, n7.9, r159/91, mb4, 0/26, MS2.6/3, 1D, Sakhalin Island

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

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Main table with columns: UGL, Code, Station Name, Azimuth, Phase, ID, Time, Res, UGL, etc. Includes stations like Gornyy, Yuzh-Sakhalins, Ekimchan, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, UGL, etc. Includes stations like Mina Array Sit, Keskin Array B, etc.

ISCJB 20 02:27:17.8, 0.5, 11.03S:0.06:165.74E:0.06, h35km, mb4, 3/10, MS3.4/3, Error ellipse: s-maj=9.2km s-min=8.7km az=144.3

NEIC 20 02:27:19.5, 1.3, 10.91S:165.72E, h35km, 3km, mb4, 2/7, Error ellipse: s-maj=29.9km s-min=14.7km az=110.0

IDC 20 02:27:21.8, 3.6, 10.98S:165.73E, h61km, 34km, mb3, 7/4, mb1 4.2/6, mb1mx3.7/3.5, mbtmp4.3/6, MLZ=7.2, MS3.5/5, Ms1 3.5/5, ms1mx3.2/2.4, Error ellipse: s-maj=28.4km s-min=25.6km az=110.0

ISC 20 02:27:17.0, 0.9, 10.94S:0.09:165.9E:0.1, h35km, n25, r1514/17, mb4, 2/10, MS3.5/3, Santa Cruz Islands

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

WEL 20 02:32:21.2, 1.5, 36.5S:13.17E:1.4, h225km, 9km, M3.2/5, ML3.5/7, MLV3.2/5, Error ellipse: s-maj=0.0km s-min=0.0km az=48.7, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, UGL, etc. Includes stations like Matakaoa Point, HAZ, etc.

ISCJB 20 02:38:23.4, 0.3, 0.15N:0.03:127.40E:0.05, h131km, mb4, 3/17, Error ellipse: s-maj=6.4km s-min=4.0km az=179.3

NEIC 20 02:38:26.4, 1.3, 0.03N:127.45E, h158km, 10km, mb4, 3/8, Error ellipse: s-maj=17.7km s-min=11.3km az=106.0

IDC 20 02:38:26.6, 2.1, 0.04N:127.33E, h156km, 23km, mb3, 8/9, mb1 3.8/1.1, mb1mx2.6/3.3, mbtmp4.2/1.1, MS3.0/2, Ms1 3.0/2, ms1mx2.7/2.9, Error ellipse: s-maj=19.5km s-min=13.3km az=91.0

DJA 20 02:38:26.4, 0.3, 0.15N:12.7E, h136km, 3km, M4, 6/12, mb4, 8/4, mb4, 6/10, MLV4, 7/12, (mb)M4, 0/4

ISC 20 02:38:24.8, 0.5, 0.08N:0.05:127.34E:0.07, h131km, n46, r163/51, mb4, 5/17, 1D, Halmahera

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

20d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like CABF, IMS, Jochberg, Grafenberg Arr, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SBF, SMF, ESCA, MEM, SSB, etc.

1018

Table with columns for station name, frequency, power, and other technical details. Includes stations like UPC, Ulice, CHVC, DPC, OSTO, etc.

ISCJB 20 03:35:33.7d.0.3,24'26N.0'02-122'23E.0'02, h55km,5km, Error ellipse: s-maj=3.3km s-min=2.4km az=155.2

Table with columns for Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EOI1, NANB, ENA, etc.

1019

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like YOJ, YONAGUNI JIMA, NNSB, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JTJ, PHUB, HNR, etc. and various island names like Santa Cruz Islands.

20d 5h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like RABL, MANU, PMG, etc. and various island names like Warramunga Arr, etc.

1023

WMQ	comp=Z,230nm,0.9s								
WMQ	comp=Z,810nm,3.7s		pmax	pmax					
WMQ	comp=Z,740nm,19.7s		LR	LR					
WMQ	comp=Z,1µm,15.3s		LR	LR					
WLAI	comp=Z,2µm,18.7s		LR	LR					
WLAI	Namlea	41.57 202	P	P		06 14 11.5	+2.4		
CM31	Chiang Mai Arr	41.57 256	eP	P		06 14 09.1	-0.1		
CM31	Chiang Mai Arr	41.57 256	eP	P		06 16 07.8	+1.4		
CMAR	Chiang Mai Arr	41.57 256	P	P		06 14 10.2	+0.9		
CMAR	comp=Z,23nm,0.8s,baz=48,slo=5.8,SNR=88		P	P		06 16 07.8	+1.4		
CMAR	comp=Z,10.0nm,1.0s,baz=13,slo=2.9,SNR=6.4		LR	LR		06 33 00.4			
KOHI	KOHIMA	41.82 249	eP	IAMB		06 14 09.6	-1.8		
KOHI	comp=Z,62nm,0.3s					06 14 30.0	+1.7		
ANM	Nome	42.15 31	PFAKE	LR					
ANM	comp=Z,700nm,19.0s		LR	LR					
IMP	Impal	42.35 268	eP	P		06 14 13.8	-1.8		
CHBT	CHBT	42.40 247	P	P		06 14 18.4	+2.4		
TEZP	TEZPUR	42.49 271	eP	IAMB		06 14 15.9	-0.7		
TEZP	comp=Z,44nm,0.7s		IAMB	IAMB		06 14 19.4	+1.6		
LSA	Lhasa	42.57 276	eP	P		06 14 19.4	+1.6		
LSA	comp=Z,148nm,1.0s		LR	LR					
LSA	comp=Z,800nm,19.0s		P	P		06 14 19.1	+1.3		
LSA	comp=Z,290nm,0.9s		pmax	pmax					
LSA	comp=Z,4µm,13.7s		LR	LR					
LSA	comp=Z,7µm,14.1s		LR	LR					
LSA	comp=Z,12µm,13.8s		LR	LR					
LSA	Lhasa	42.57 276	eP	P		06 14 18.9	+1.0		
LSA	Lhasa	42.57 276	eP	pmax		06 14 19.4	+1.6		
LSA	comp=Z,148nm,1.0s		pmax	pmax					
LSA	comp=Z,800nm,19.0s		MLR	MLR					
ZAAO	Zalesovo Array	42.68 313	PFAKE	LR		06 14 30.0	+1.2		
ZAAO	comp=Z,3µm,19.0s		LR	LR					
ZAA1	Zalesovo Array	42.68 313	eP	P		06 16 09.7	+0.3		
ZALV	Zalesovo Beam	42.68 313	P	P		06 14 18.1	+0.2		
ZALV	comp=Z,102nm,0.7s,baz=90,slo=6.4,SNR=288		P	P		06 16 09.7	+0.3		
ZALV	comp=Z,29nm,0.6s,baz=99,slo=3.3,SNR=5.4		LR	LR		06 32 52.2			
TAWA	Tawang	42.83 273	eP	P		06 14 20.5	+0.7		
UTHA	Uthaitani	42.85 253	P	P		06 14 20.4	+0.8		
UTHA	comp=Z,79µm,1.4s,comp=Z,740µm		P	P		06 14 17.3	-2.8		
SGKI	Sangatta, Kali	42.91 217	P	P		06 14 22.0	+1.8		
UMPA	Umpang Tak	42.92 254	P	P		06 14 21.6	+1.3		
ZSN	Zaisan	42.97 303	eP	S		06 20 47.5	+3.1		
ZSN	comp=Z,145µm,1.0s		S	S		06 20 47.5	+3.1		
ZSN	comp=Z,80nm,1.1s		pmax	pmax					
ZSN	comp=E,21nm,4.4s		smax	smax					
ZSN	comp=Z,215nm,14.0s		MLR	MLR					
ZSN	Zaisan	42.97 303	eP	P		06 14 21.6	+1.3		
ZSN	comp=Z,80nm,1.1s		eS	S		06 20 47.5	+3.1		
ZSN	comp=Z,21nm,4.4s		eLR	LR		06 32 42.6			
SDPT	Sand Point	43.18 45	PFAKE	LR		06 14 30.0	+8.2		
SDPT	comp=Z,500nm,20.0s		LR	LR					
SBUM	Sibu	43.29 226	PFAKE	LR		06 14 40.0	+1.7		
SBUM	comp=Z,300nm,19.0s		LR	LR					
SBUM	Sibu	43.29 226	P	P		06 14 24.0	+0.9		
SILR	SILCHAR	43.30 269	eP	P		06 14 23.6	+0.5		
GUWA	GUWAHATI	43.57 271	eP	IAMB		06 14 24.7	-0.6		
GUWA	comp=Z,35nm,0.7s		IAMB	IAMB		06 14 29.2			
SHL	Shillong	43.69 270	eP	IAMB		06 14 25.4	-1.1		
SHL	comp=Z,29nm,0.6s		IAMB	IAMB		06 14 29.4			
SHL	SRDT	43.83 251	eP	x		06 20 22.5	+1.0		
SHL	comp=Z,44nm,1.5s,comp=Z,2µm		x	x		06 14 28.5	+1.0		
BKB	Balikpapan	43.88 217	P	P		06 14 29.0	+1.1		
BKB	comp=Z,406nm,1.0s,comp=Z,4µm		P	P		06 14 29.7	0.0		
TTDS	Tana Toraja	44.10 212	P	P		06 14 29.7	0.0		
TTDS	comp=Z,48nm,0.9s,comp=Z,5µm		P	P		06 14 29.7	0.0		
RDOG	Red Dog Mine	44.11 26	eP	P		06 14 29.7	0.0		
RDOG	comp=Z,22nm,0.9s		LR	LR					
SAIH	SAIHA	44.23 266	eP	IAMB		06 14 29.8	-1.1		
SAIH	comp=Z,900nm,19.0s		IAMB	IAMB		06 14 31.1			
PHET	Kaeng Krachan	44.33 249	P	P		06 14 32.9	+1.4		
PHET	comp=Z,196µm,0.9s		P	P		06 14 35.4	+0.4		
CHGN	Chignik	44.36 44	PFAKE	LR		06 14 40.0	+8.7		
CHGN	comp=Z,400nm,20.0s		LR	LR					
MTKI	Musara eweh, K	44.62 220	eP	P		06 14 36.0	+2.1		
MTKI	Makanchi Array	44.80 303	eP	P		06 14 35.4	+0.4		
MTKI	comp=Z,183nm,1.1s		P	P		06 14 35.4	+0.6		
MTKI	Makanchi Array	44.80 303	iP	pmax		06 16 17.4	+0.6		
MTKI	comp=Z,120nm,0.8s		pmax	pmax					
MK32	Makanchi Array	44.80 303	eP	P		06 16 17.4	+0.6		
MKAR	Makanchi Array	44.80 303	P	P		06 14 35.5	+0.4		
MKAR	comp=Z,67nm,0.6s,baz=88,slo=9.8,SNR=340		P	P		06 16 17.4	+0.6		
MKAR	comp=Z,12nm,0.7s,baz=94,slo=6.1,SNR=2.6		LR	LR		06 34 08.7			
TURI	Tura	44.95 271	eP	P		06 14 35.3	-1.1		
SPSI	Sidrap Palu	44.95 212	P	P		06 14 36.1	-0.3		
SPSI	comp=Z,46nm,1.0s,comp=Z,732nm		P	P		06 14 37.4	+0.7		
MAKZ	Makanchi	45.01 303	eP	P		06 14 37.4	+0.7		
MAKZ	comp=Z,180nm,1.0s		LR	LR					
MAKZ	comp=Z,2µm,20.0s		LR	LR					
MAKZ	Makanchi	45.01 303	eP	pmax		06 14 37.4	+0.7		
MAKZ	comp=Z,180nm,1.0s		MLR	MLR					
MAKZ	comp=Z,2µm,20.0s		MLR	MLR					
KSM	Kuching	45.20 227	eP	P		06 14 38.5	+0.1		
KSM	comp=Z,72nm,0.8s		P	P		06 14 40.0	+1.6		
KSM	Kuching	45.20 227	eP	P		06 14 41.9	+0.2		
GTK	Tadong	45.58 274	eP	IAMB		06 14 42.7			
GTK	comp=Z,45nm,0.9s,comp=Z,5µm		IAMB	IAMB		06 14 41.1	-0.8		
PMG	Port Moresby	45.66 173	eP	P		06 14 42.7			
PMG	comp=Z,16nm,0.8s,baz=18,slo=16,SNR=2.2		P	P		06 14 42.7			
PMG	Port Moresby	45.66 173	eP	P		06 14 42.7			
SEM	Semipalatinsk	45.67 308	eLR	LR		06 34 05.3			
SEM	comp=Z,2µm,16.5s		LR	LR					
KAPI	Kappang	45.90 211	eP	P		06 14 45.3	+1.3		
KAPI	comp=Z,255nm,1.0s		P	P		06 14 45.3	+1.3		
KAPI	Kappang	45.90 211	eP	pmax		06 14 45.3	+1.3		
KAPI	comp=Z,255nm,1.0s		pmax	pmax					
KAPI	Kappang	45.90 211	P	P		06 14 44.6	+0.6		
KAPI	SNR=21		P	P		06 14 44.6	+0.6		
CHIR	Chirikof Island	45.93 44	PFAKE	LR		06 15 00.0	+1.6		
CHIR	comp=Z,800nm,20.0s		LR	LR					
SVW2	Sparrevoeh	46.01 37	eP	P		06 14 45.9	+1.5		
SVW2	comp=Z,26nm,1.1s		P	P		06 14 50.1	+0.5		
KURK	Kurchatov	46.66 309	eP	P		06 14 50.1	+0.5		
KURK	comp=Z,201nm,0.8s		P	P					

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KURK	comp=Z,2µm,18.0s		LR	LR					
KURK	Kurchatov	46.66 309	iP	pmax		06 14 49.1	-0.5		
KURK	comp=Z,279nm,1.0s		pmax	pmax					
KURK	Kurchatov	46.66 309	P	P		06 14 49.6	0.0		
KURK	SNR=117								
SII	Sitkinak Island	46.71 43	PFAKE	LR		06 15 00.0	+1.0		
SII	comp=Z,700nm,20.0s		LR	LR					
OHAK	Old Harbor	47.17 42	PFAKE	LR		06 15 10.0	+1.7		
OHAK	comp=Z,800nm,21.0s		LR	LR					
SKLT	Songkhla	47.37 243	P	P		06 14 56.2	+0.6		
SKLT	comp=Z,61nm,1.0s,comp=Z,543nm		P	P		06 14 56.3	+1.0		
RSO	Redoubt South	47.38 38	eP	P		06 14 56.7	+0.7		
JIRN	Jiri	47.38 276	eP	P		06 14 56.7	+0.7		
JIRN	comp=Z,1µm,1.1s		P	P		06 14 56.1	+0.3		
PDGK	Podgomoye	47.41 299	P	pmax		06 14 56.1	+0.3		
PDGK	comp=Z,439nm,1.1s		pmax	pmax					
GUN	Gumba	47.52 277	eP	P		06 14 57.5	+0.4		
GUN	comp=Z,499nm,0.9s		P	P		06 14 56.4	+0.2		
KDAK	Kodiak Island	47.52 41	eP	P		06 14 56.4	+0.2		
KDAK	comp=Z,411nm,0.9s		P	P					
KDAK	comp=Z,800nm,20.0s		LR	LR					
KDAD	Kodiak Island	47.52 41	iP	P		06 14 56.4	+0.2		
KDAD	comp=Z,61nm,1.0s,comp=Z,543nm		P	P		06 14 57.5	+0.6		
KDAD	Trang	47.59 244	P	P		06 14 57.5	+0.6		
PPLA	Purkeypile	47.68 34	eP	P		06 14 59.9	+2.3		
PPLA</									

20d 6h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, BWNR, AAK, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CTAO, WRAB, WRA, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MOS, E04D, G03D, etc.

Table with columns: Station, Time, Azimuth, Elevation, Signal, and other parameters. Includes stations like MDDND Maddock, ANTO Ankara, ANTO Ankar, etc.

Table with columns: Station, Time, Azimuth, Elevation, Signal, and other parameters. Includes stations like BRG BRG, BRG comp=Z,33nm,0.8s, BRG comp=Z,20nm,0.8s, etc.

Table with columns: Station, Time, Azimuth, Elevation, Signal, and other parameters. Includes stations like EBL Broad Law, VTS Vitosh, VTS Vitosh, etc.

20d 6h

MIAR	MIAR	92.73	43	eP	P	06 19 33.8 +0.2
MIAR	Mount Ida	92.73	43	P	P	06 19 33.5 -0.1
BLO	Bloomington	92.77	36	PFAKE	LR	06 19 50.0 +16
MEDO	Medina	92.92	28	PFAKE	LR	06 19 50.0 +16
O49A	Covington	92.95	34	PFAKE	LR	06 19 50.0 +15
O49A	Covington	92.95	34	P	P	06 19 34.6 +0.1
W41B	Gary Mavity, V	92.98	42	P	P	06 19 34.7 -0.1
N50A	Nevada	93.00	32	P	P	06 19 34.8 +0.1
P48A	Milroy	93.05	35	P	P	06 19 34.6 -0.4
J55A	Hilton	93.08	28	PFAKE	LR	06 19 50.0 +15
WDD	Wied Dalam	93.14	320	PFAKE	LR	06 19 50.0 +15
X40A	Basin Creek Fa	93.18	42	P	P	06 19 36.1 +0.4
ERPA	Erie	93.20	30	PFAKE	LR	06 19 50.0 +14
FRNY	Flat Rock	93.21	24	PFAKE	LR	06 19 50.0 +14
N51A	Ashland	93.22	32	PFAKE	LR	06 19 50.0 +14
L53A	Girard	93.23	30	P	P	06 19 35.9 +0.1
K54A	Basilliko Farm,	93.30	29	P	P	06 19 36.5 +0.4
O50A	Cable	93.31	33	P	P	06 19 36.3 +0.1
P49A	Miami Univ, E	93.31	34	P	P	06 19 36.2 0.0
O48A	North Vernon	93.33	35	P	P	06 19 36.3 +0.1
L54A	Sinclairville	93.37	29	P	P	06 19 36.4 -0.1
T45A	Paducah	93.44	38	PFAKE	LR	06 19 50.0 +13
M53A	WI Miller and	93.50	31	P	P	06 19 37.1 +0.1
ACSO	Alum Creek Sta	93.52	33	PFAKE	LR	06 19 50.0 +13
ACSO	Alum Creek Sta	93.52	33	P	P	06 19 37.0 -0.1
WCI	Wyandotte Cave	93.63	36	eP	P	06 19 37.0 -0.6
WCI	Wyandotte Cave	93.63	36	eP	pmax	06 19 37.0 -0.6
WCI	Wyandotte Cave	93.63	36	P	MLR	06 19 37.7 +0.1
Q49A	Aurora	93.66	35	P	P	06 19 37.9 +0.1
P50A	Jamesstown	93.67	34	P	P	06 19 38.0 +0.2
GLAT	Glass	93.69	39	PFAKE	LR	06 19 50.0 +12
T46A	Princeton	93.79	38	P	P	06 19 38.5 +0.1
M54A	Oil Creek Stat	93.85	30	PFAKE	LR	06 19 50.0 +11
HRV	Oil Creek Stat	93.85	30	P	P	06 19 38.6 0.0
VT1	Waterbury	93.94	24	PFAKE	LR	06 19 50.0 +11
N53A	Lisbon	93.96	31	PFAKE	LR	06 19 50.0 +11
N53A	Lisbon	93.96	31	P	P	06 19 39.2 +0.1
P51A	Williamsport	94.10	33	P	P	06 19 39.4 -0.4
O52A	Adamsville	94.11	32	PFAKE	LR	06 19 50.0 +10
O52A	Adamsville	94.11	32	P	P	06 19 39.8 -0.1
N54A	Moraine State	94.18	30	P	P	06 19 39.9 -0.2
PKME	Peaks-Kenny Pk	94.18	21	PFAKE	LR	06 19 50.0 +10
Q50A	Georgetown	94.21	34	P	P	06 19 40.0 -0.3
T47A	Sharon Grove	94.22	37	P	P	06 19 40.4 0.0
M55A	Ridgway	94.24	29	P	P	06 19 40.3 -0.2
O53A	New Philadelph	94.26	32	P	P	06 19 40.3 -0.3
Q51A	Peebles	94.34	34	P	P	06 19 40.9 -0.1
P52A	Cornio	94.38	32	P	P	06 19 40.6 -0.5
M56A	Emporium	94.46	29	P	P	06 19 41.5 0.0
S49A	Springfield	94.46	36	P	P	06 19 41.4 -0.1
T48A	Bowling Green	94.47	37	P	P	06 19 41.2 -0.3
R50A	Paris	94.50	35	P	P	06 19 41.6 0.0
WVT	Waverly	94.54	38	eP	P	06 19 41.4 -0.5
WVT	Waverly	94.54	38	eP	pmax	06 19 41.4 -0.5
WVT	Waverly	94.54	38	MLR	MLR	06 19 41.6 -0.2
U47A	Clarksville	94.56	38	P	P	06 19 41.9 -0.1
V46A	Holladay	94.65	39	P	P	06 19 42.4 0.0
O54A	Avella	94.67	31	P	P	06 19 42.3 -0.1
BINY	Binghamton	94.68	27	PFAKE	LR	06 19 50.0 +7.6
N55A	Marion Center	94.74	30	PFAKE	LR	06 19 50.0 +7.3
N55A	Marion Center	94.74	30	P	P	06 19 42.6 -0.1
P53A	Whipple	94.82	32	P	P	06 19 43.2 +0.1
L58A	Harry Jones Me	94.86	27	P	P	06 19 43.1 -0.2
Q52A	Bidwell	94.88	33	P	P	06 19 43.2 -0.1
U48A	Cassie Pea, Po	94.88	37	P	P	06 19 43.4 0.0
T49A	Edmonton	94.89	36	PFAKE	LR	06 20 00.0 +17
T49A	Edmonton	94.89	36	P	P	06 19 43.3 -0.2
N56A	West Decatur	94.90	29	P	P	06 19 43.3 -0.1
V47A	Nunnely	94.93	38	P	P	06 19 43.8 +0.1

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S50A	Richmond	94.96	35	P	P	06 19 43.8 0.0
OXF	Oxford	94.99	40	PFAKE	P	06 19 43.8 -0.1
FFD	Franklin Falls	95.06	24	PFAKE	LR	06 20 00.0 +16
O55A	Ligonier	95.09	30	P	P	06 19 44.4 0.0
P54A	Burton	95.11	31	P	P	06 19 44.5 0.0
FURI	Furi	95.20	285	PFAKE	LR	06 20 00.0 +14
EMMW	East Machias	95.22	20	PFAKE	LR	06 20 00.0 +15
M58A	Price's Panora	95.22	28	P	P	06 19 44.8 -0.1
R52A	Cattlettsburg	95.22	34	P	P	06 19 44.5 -0.5
U49A	Red Boiling Sp	95.24	37	P	P	06 19 45.0 0.0
Q53A	Leroy	95.28	33	P	P	06 19 45.4 +0.1
T50A	Nancy	95.28	36	P	P	06 19 45.2 -0.1
SSPA	Standing Stone	95.30	29	PFAKE	LR	06 20 00.0 +15
CLTN	Cedars of Leba	95.31	37	PFAKE	LR	06 20 00.0 +15
KSPA	Keystone Cole	95.31	27	PFAKE	LR	06 20 00.0 +15
N57A	Milroy	95.33	29	P	P	06 19 45.3 -0.1
MCWV	Mont Chateau	95.33	31	P	P	06 19 45.5 +0.1
O56A	Blue Knob Stat	95.34	30	P	P	06 19 45.4 -0.2
W47A	Westpoint	95.35	39	P	P	06 19 45.1 -0.5
V48A	Smith Brothers	95.35	38	PFAKE	LR	06 20 00.0 +14
V48A	Smith Brothers	95.35	38	P	P	06 19 45.0 -0.6
S51A	Beattyville	95.36	35	P	P	06 19 45.1 -0.5
M59A	Waymart	95.45	27	P	P	06 19 45.5 -0.4
P55A	Reedsville	95.47	31	P	P	06 19 46.3 +0.2
Q54A	Coxs Mills	95.48	32	P	P	06 19 46.3 +0.2
T51A	Gray	95.75	35	P	P	06 19 47.1 -0.3
W48A	Pulaski	95.77	38	P	P	06 19 47.1 -0.4
U50A	Jamesstown	95.77	36	P	P	06 19 47.3 -0.3
V49A	McIntinnville	95.78	37	P	P	06 19 47.0 -0.5
X47A	Russelville	95.79	39	P	P	06 19 47.0 -0.6
Q55A	Buckhannon	95.79	32	P	P	06 19 47.1 -0.5
KEST	Kesra	95.85	323	P	P	06 19 47.6 -0.3
KEST	Kesra	95.85	323	PFAKE	LR	06 20 00.0 +12
N59A	State Game Lan	95.87	28	PFAKE	LR	06 20 00.0 +12
N59A	State Game Lan	95.87	28	P	P	06 19 47.7 -0.2
P56A	Dayton Farm, R	95.88	30	P	P	06 19 48.0 +0.1
HRV	Adam Dzewonsk	95.96	24	PFAKE	LR	06 20 00.0 +12
T52A	Hallie	96.08	34	eP	P	06 19 49.0 +0.1
T52A	Hallie	96.08	34	P	P	06 19 48.6 -0.3
R54A	Victor	96.08	33	P	P	06 19 48.5 -0.4
PAGS	Pennsylvania G	96.10	29	PFAKE	LR	06 20 00.0 +11
W49A	Bellevue	96.12	38	P	P	06 19 48.8 -0.3
WES	Weston	96.14	24	PFAKE	LR	06 20 00.0 +11
ODNJ	Ogdensburg	96.16	27	PFAKE	LR	06 20 00.0 +11
SWET	Sewanee	96.20	38	PFAKE	LR	06 20 00.0 +10
X48A	Hartselle	96.25	39	PFAKE	LR	06 20 00.0 +10
X48A	Hartselle	96.25	39	P	P	06 19 49.8 +0.1
S54A	Dingess, Beckl	96.26	33	P	P	06 19 49.6 -0.2
TZTN	Tazewell	96.28	35	P	P	06 19 49.8 0.0
LUPA	Lehigh Univers	96.30	28	PFAKE	LR	06 20 00.0 +10
HAL	Halifax	96.31	18	PFAKE	LR	06 20 00.0 +10
R55A	Marlinton	96.37	32	PFAKE	LR	06 20 00.0 +10
R55A	Marlinton	96.37	32	P	P	06 19 50.2 -0.1
T53A	Wise	96.38	34	P	P	06 19 50.2 -0.1
MVL	Millersville	96.44	28	PFAKE	LR	06 20 00.0 +10
PAL	Palisades	96.48	26	PFAKE	LR	06 20 00.0 +9.4
U52A	Thorn Hill	96.48	35	P	P	06 19 50.6 -0.1
BRYW	Bryant College	96.49	24	PFAKE	LR	06 20 00.0 +9.3
P58A	Pank, Wackersw	96.51	29	P	P	06 19 50.7 -0.1
W50A	Signal Mountai	96.52	37	P	P	06 19 50.8 -0.2
BRNJ	Basking Ridge	96.52	27	PFAKE	LR	06 20 00.0 +9.2
S55A	Lewisburg	96.63	32	P	P	06 19 51.0 -0.4
CPCT	Cooper Cave	96.70	36	PFAKE	LR	06 20 00.0 +8.2
P59A	Jarrettsville	96.75	29	P	P	06 19 51.6 -0.3
Q58A	Fox Den Farm,	96.83	30	P	P	06 19 52.1 -0.1
PSUB	Penn St. - Bra	96.85	28	PFAKE	LR	06 20 00.0 +7.7
U53A	Fall Branch	96.87	35	P	P	06 19 52.8 +0.2
Y49A	Blount Mountai	97.04	39	P	Pdf	06 19 53.5 +0.1
T55A	Pulaski	97.06	33	P	P	06 19 53.3 -0.1
U54A	Nelsons Funny	97.09	34	PFAKE	LR	06 20 10.0 +16

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U54A	Nelsons Funny	97.09	34	P	Pdf	06 19 53.8 +0.1
S56A	Natural Bridge	97.12	32	P	Pdf	06 19 53.9 +0.2
BLA	Blacksburg	97.14	33	PFAKE	LR	06 20 10.0 +16
BLA	Blacksburg	97.14	33	P	P	06 19 53.8 0.0
X51A	Calhoun	97.25	37	PFAKE	LR	06 20 10.0 +16
W52A	Murphy	97.28	36	PFAKE	LR	06 20 10.0 +16
S57A	Dark Hollow, R	97.31	31	PFAKE	LR	06 20 10.0 +15
P61A	Hammonton	97.32	28	P	Pdf	06 19 54.6 +0.2
V53A	Saluda	97.33	35	PFAKE	LR	06 20 10.0 +15
V53A	Saluda	97.33	35	P	Pdf	06 19 54.9 +0.2
U55A	TA2, Sparta	97.45	34	P	Pdf	06 19 55.5 +0.2
W53A	Cullowhee	97.58	36	P	P	06 19 55.8 -0.1
R58B	Mineral	97.58	31	PFAKE	LR	06 20 10.0 +14
V54A	Nebo	97.64	35	P	P	06 19 56.0 0.0
Y51A	Rockmart	97.68	38	P	P	06 19 55.9 -0.4
X52A	Dalhousie	97.69	37	P	P	06 19 55.9 -0.4
Z50A	Ashland	97.77	39	P	P	06 19 56.4 -0.2
T57A	Hurt	97.82	32	PFAKE	LR	06 20 10.0 +13
T57A	Hurt	97.82	32	P	P	06 19 56.4 -0.4
BG3	Lake Jocassee	97.83	36	PFAKE	LR	06 20 10.0 +13

Table with columns: LIOB, Emei, 1.40 294 eP, Pb, 07 45 27.7 0.0, WTP, Ta-pu, 1.69 222 eP, Pn, 07 45 33.2 +0.1

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, TAP 20 07:45:04.1, 24:52N, 121°84E, h15km, ML2.5, D, Taiwan

Table with columns: WTP, Ta-pu, 1.69 222 eP, Pn, 07 45 33.2 +0.1, WTP, Ta-pu, 1.69 222 eP, Pn, 07 45 33.5 +0.4

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISCJB 20 07:46:13.5, 0.4, 31.90N, 0.04, 130.95E, 0.07, h107km, 3km, mb3.5/7, Error ellipse: s-maj=10.2km

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, DDA 20 08:03:49.0, 0.3, 39.69N, 43°28E, h3km, ML3.3, DDA 20 08:03:50.8, 36.65N, 43°29E, h4km, 2km, ML3.3, Iraq

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, DDA 20 08:52:22.9, 39°65N, 29°41E, h7km, 2km, ML2.5, ISK 20 08:52:22.7, 39°61N, 29°44E, h19km, ML2.1/5, Suspected Mining explosion

mB4.7/24, IDC 20 09:14:14.8, 0.4, 22°05N, 94°47E, h95km, 2km, mb3.9/33, mb4.3/19, mb1mx3.9/56, mbtmp4.3/37, MS3.5/19, Ms1.3.5/19, ms1mx3.4/32, Error ellipse: s-maj=10.9km

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, SAIH, SAIHA, 1.31 291 eP, Pn, 09 14 37.8 -0.5, SAIH, SAIH, 1.31 291 eP, Pn, 09 14 55.7 -0.5

20d 9h

Table with columns for station name, coordinates, and various parameters. Includes stations like XAN, KULIM, MSLI, IPM, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like JNU, GEYT, BRVK, etc.

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Table with columns for station name, coordinates, and various parameters. Includes stations like BRG, MOA, OBKA, etc.

SOME 20 09:15:23.5, 40:65'N-72:32'E, h0km
KRNET 20 09:15:29.2, 40:81'N-72:20'E, h17km, mb3.0
NCC 20 09:15:29.8, 1.9, 40:78'N-72:47'E, h0km, mb3.5, mpv3.2

Error ellipse: s-maj=15.3km s-min=11.0km az=167.0
ISCJB 20 09:15:30.4, 0.6, 40:82'N-0:05'-72:16'E, 0.05, h10km, Error ellipse: s-maj=7.5km s-min=4.2km az=146.8

ISC 20 09:15:29.3, 1.1, 40:75'N-0:05'-72:30'E, 0.04, h10km, n31, #213/51, 28C-8D, Kyrgyzst=7.3

Table with columns for Code, Station Name, Az, El, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like ARSB, ARK, ARS, etc.

20d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Zalesovo Array, Alice Springs, Warramunga Arr, etc.

MEX 20 10:42:07.7-1.0, 16:39N, 95.16W, h115km, 8km, MD3.9. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

ISCJB 20 11:07:28.3-0.3, 8:03S, 0:04-107.91E, 0.03, h70km, mb4.2/32, Error ellipse: s-maj=5.7km s-min=3.3km az=25.2

NEIC 20 11:07:28.6-2.3, 8:10S, 107.85E, h26km, 5km, mb4.5/24, Error ellipse: s-maj=5.8km s-min=5.8km az=73.0

NEIC Felt [III] at Ciampi, Pangandaran and Tasikmalaya; [II] at Cianjur. Also felt in southern Garut.

DJA 20 11:07:29.0-0.3, 8:15S, 4.10E, h50km, 6km, M4, 9.21, mB5.7/3, mb4.8/10, MLV4.8/21, Mw(mB)5.2/3

IDC 20 11:07:32.0-0.8, 7:6BS, 108.08E, h91km, 6km, mb3.9/16, mb1.4/17, mb1mx3.9/23, mbtmp4.3/17, MS3.3/4, Ms1.3/4, ms1mx2.9/23, Error ellipse: s-maj=23.3km s-min=10.6km az=54.0

ISC 20 11:07:29.6-0.3, 8:03S, 0:05-107.91E, 0.03, h70km, n251, f121/257, mb4.5/32, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations like Cisi, Lembang, Warramunga, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like ASAR, H08S2, STKA, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like S44A, P49A, O51A, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KNK, AB31, ABKAR, RND, SCM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like CRPR Cabo Rojo, EMPR Esperanza, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KDJ Kajisay, KDJ baz=17, UCH baz=31, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like CEDE Laguna Cedee, PLVR Palo Verde, MESS Mesas, etc.

ISCJB 20 14:07:28.7 1.0, 37.04N, 0.08:39.24E:0.04, h9km, Error ellipse: s-maj=12.2km s-min=4.6km az=4.2

DDA 20 14:07:28.6 37.01N:39.16E, h6km, 1km, ML2.8

ISK 20 14:07:28.1 37.06N:39.24E, h5km, ML2.5/7

ISC 20 14:07:28.3 1.4, 37.01N:0.09:39.24E:0.04, h9km, n12, 0.8515, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like SANL SANLIURFA_Merk, URFA Urfa, MAZI Mazidag, etc.

IDC 20 14:07:55.6 0.9, 35.92N:68.78E, h0km, mb3.8/11, mb1 3.9/17, mb1mx3.7/50, mbtmp3.8/17, ML3.9/5, MS2.9/2, Ms1 2.9/2, ms1mx2.3/36, Error ellipse: s-maj=19.3km s-min=16.3km az=131.0

ISCJB 20 14:07:59.4 0.3, 36.19N:0.03:68.56E:0.04, h35km, mb3.8/14, MS2.9/1, Error ellipse: s-maj=5.0km s-min=4.5km az=149.6

NEIC 20 14:08:00.1 3.0, 36.09N:68.53E, h25km, 6km, mb4.0/6, Error ellipse: s-maj=11.5km s-min=7.8km az=92.0

NINC 20 14:08:01.9 8.7, 36.04N:68.75E, h108km, 171km, mb3.6, mpv4.0, Error ellipse: s-maj=71.1km s-min=58.1km az=158.0

ISC 20 14:08:01.3 0.6, 36.14N:0.06:68.56E:0.05, h35km, n58, c200/64, mb3.7/14, 7C-1D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KBL Kabul, CHGR Chuyangaron, GAR Garm, CEP Cherat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AAK Ala-Archa, GEYT Alibeck, GYA0B ALIBECK Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like KDJ Kajisa, AB31 Akbulak array, ABKAR Akbulak array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like INK Inuvik, YKA Yellowknife Ar, YKBS Yellowknife Ar, etc.

ASAR Alice Springs 85.69 123 P 14 20 35.2 -1.5

ASAR Alice Springs 85.69 123 P 14 20 35.2 -1.5

ISCJB 20 14:09:43.8 1.6, 14.7N:0.1:92.4W:0.1, h88km, 12km, Error ellipse: s-maj=22.6km s-min=7.7km az=43.5

MEX 20 14:09:44.0 0.8, 14.61N:92.31W, h93km, 7km, MD3.7

CGC 20 14:09:44.7 0.3, 14.90N:92.29W, h79km, 8km, MD3.9

ISC 20 14:09:45.0 2.4, 14.7N:0.1:92.4W:0.1, h82km, 14km, n8, c054/13, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like THIG Thig, STG3 Santiagoito 3, ERG Entre ros, C, etc.

DRS 20 14:13:06.0 0.0, 42.07N:45.46E, h12km, ML2.3/2

NORS 20 14:13:09.7 0.0, 42.19N:45.88E, h47km, MPV3.4

TIF 20 14:13:09.4 0.2, 42.14N:45.82E, h22km, 2km

ISCJB 20 14:13:10.0 0.4, 42.12N:0.03:45.85E:0.03, h20km, 7km, Error ellipse: s-maj=4.8km s-min=3.5km az=147.1

ISC 20 14:13:10.8 1.0, 42.11N:0.03:45.85E:0.03, h27km, 12km, n18, c112/35, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like LGD Lagodekhi, BTLR Botlikh, DDFL Dedoflitskaro, etc.

ISC 20 14:30:39.6 39.90N:40.02E, h5km, ML2.3/3

DDA 20 14:30:40.2 39.97N:39.98E, h7km, 4km, ML2.8

ISC 20 14:30:39.9 1.2, 39.95N:0.06:40.03E:0.04, h9km, 14km, n8, c0936/13, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like EUZM Uzumli, KOPT Kopt Dagi, etc.

WEL 20 14:45:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like CNGZ Carnagh Statio, BAYT Bayt, YEDI Yedisu-Bingol, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like RAGZ Rawiri, RUGZ Raukumara Rang, WHWZ Waihua, etc.

ISCJB 20 14:54:13.9 38.81N:27.92E, h7km, ML2.0/5

ISCJB 20 14:54:14.2 0.5, 38.82N:0.04:27.90E:0.04, h4km, 8km, Error ellipse: s-maj=6.7km s-min=5.3km az=21.1

DDA 20 14:54:14.0, 38.82N:27.91E, h7km, 2km, ML2.7

ISC 20 14:54:14.1 1.0, 38.82N:0.03:27.91E:0.03, h8km, 8km, n15, c0934/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AKHS Akhisar, GOMA Gollarmara-Sava, STEP BALKISIR-Mana, etc.

ISC 20 14:54:14.1 1.0, 38.82N:0.03:27.91E:0.03, h8km, 8km, n15, c0934/19, Turkey

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

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.

ISC 20 14:54:13.9 38.81N:27.92E, h7km, ML2.0/5

ISCJB 20 14:54:14.2 0.5, 38.82N:0.04:27.90E:0.04, h4km, 8km, Error ellipse: s-maj=6.7km s-min=5.3km az=21.1

DDA 20 14:54:14.0, 38.82N:27.91E, h7km, 2km, ML2.7

ISC 20 14:54:14.1 1.0, 38.82N:0.03:27.91E:0.03, h8km, 8km, n15, c0934/19, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like AKHS Akhisar, GOMA Gollarmara-Sava, STEP BALKISIR-Mana, etc.

ISC 20 14:54:14.1 1.0, 38.82N:0.03:27.91E:0.03, h8km, 8km, n15, c0934/19, Turkey

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

WEL 20 14:54:03.7 39.9S:18.0E, h33km, M3.4/37, ML3.7/29, MLV3.4/37, Error ellipse: s-maj=0.0km s-min=0.0km az=7.9, Off east coast of North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like CNGZ Carnagh Statio, BAYT Bayt, YEDI Yedisu-Bingol, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ISCJB 20 15:29:43.0,1.6,33.80N,0.05:35.8E,0.1,1h0km,22km, Error ellipse: s-maj=17.6km s-min=8.0km az=170.9.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for NNC 20 15:42:32.6:5.1,36.54N:70.02E,h0km,mb3.7,mpv3.3, 3C-1D, Error ellipse: s-maj=49.1km s-min=29.0km.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ISCJB 20 15:47:53.0:3.5,51.58N:0.02:16.10E,0.02,h0km, Error ellipse: s-maj=2.6km s-min=2.1km az=25.1.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ISC 20 15:47:53.6:0.7,51.64N:0.03:16.13E,0.02,h0km,n64, r1711/127,Poland.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for KSP Ksiaz, 0.80 173 eP, 15 48 09.9 +1.0.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for OSTC Ostas, 1.08 177 ePg, 15 48 15.2 +0.9.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PRU Pruhonice, 1.94 212 eP, 15 48 28.6 +0.9.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for CLL Colim, 1.99 262 eP, 15 48 29.0 +0.6.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for CLL Colim, 1.99 262 eP, 15 48 29.5 +1.1.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for GEC2 GERES Array S, 3.20 210 Pn, 15 49 33.4 +2.5.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for WET Wetzeltz, 3.25 221 eP, 15 48 47.1 +1.3.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ARSA Arszberg, 4.41 185 P, 15 49 03.5 +1.7.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for KBA Koelnbreinsper, 4.91 203 P, 15 49 10.3 +1.5.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for CDF Champ du Feu, 6.56 244 eP, 15 49 29.8 -1.5.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ACES ARCESS Array B, 18.49 10 P, 15 52 08.7 -2.2.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for ISC 20 16:08:54.0:2.3,16.94S:168.36E,h0km,mb3.9/2, mb1 4.1/3, mb1mx3.6/27, mbmp3.9/3, ML3.5/1, Error ellipse: s-maj=67.7km s-min=40.3km az=132.0, Vanuatu Islands.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for DZM Mont Dzumac, 5.59 204 Op, 16 10 18.2 -0.3.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PS01 TAPS Pump Stn, 1.75 309 eP, 16 44 51.4 +1.7.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PS01 TAPS Pump Stn, 1.75 309 eP, 16 44 51.4 +1.7.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BUJ 20 16:48:34.4:0.0,3.72S:135.71E,h31km,mb5.0/62, mb5.1/44, MS4.6/42, MS7 4.3/41.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for MOS 20 16:48:36.9:0.9,3.49S:135.39E,h33km,mb5.3/29, Error ellipse: s-maj=15.3km s-min=7.2km az=112.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for KMPI Kaimana, Papua, 1.68 267 P, 16 49 09.5 +3.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SWI Sorei, 4.92 303 P, 16 49 51.1 +0.4.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SANI Sanana, 9.51 279 P, 16 50 54.5 +0.8.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for SOEI Soe, 12.63 240 P, 16 51 38.6 +2.0.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for PMG Port Moresby, 13.05 117 eP, 16 51 44.1 +1.9.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BNSI Bone, 15.26 266 P, 16 52 16.7 +0.3.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BNSI Bone, 15.26 266 P, 16 52 16.7 +0.3.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes entries for BNSI Bone, 15.26 266 P, 16 52 16.7 +0.3.

KHMM	Horse Mountain	3.05 138	ePn	Pn	17 21 42.9	-0.9
YBH	Yreka Blue Hor	3.10 117	Pn	Pn	17 21 44.7	+0.3
YBH	5.4nm,0.3s,baz=130,slow=16,SNR=13		Sn	Sn	17 22 21.3	-0.3
YBH	Yreka Blue Hor	3.10 117	ePn	Pn	17 21 45.1	+0.6
J04D	Umpqua Nationa	3.15 88	P	Pn	17 21 46.5	+1.3
M02C	Callahan	3.19 123	P	Pn	17 21 45.6	0.0
M02C	baz=307,SNR=13		S	Sn	17 22 24.4	+0.5
H04A	Detroit Lake	3.40 62	ePn	Pn	17 21 49.1	+0.6
K04D	Chiloquin, OR	3.47 98	P	Pn	17 21 49.7	+0.1
N02D	Trinity Center	3.54 127	S	Sn	17 22 32.5	+0.1
KMRM	Mail Ridge	3.59 145	ePn	Pn	17 21 51.6	+0.5
M04C	Macdod	3.66 111	P	Pn	17 21 52.7	+0.5
M04C	baz=296,SNR=11		S	Sn	17 22 37.8	+2.2
F04D	Rainier, OR	3.78 39	P	Pn	17 21 53.8	+0.2
F04D	baz=222		S	Sn	17 22 40.5	+2.3
J05D	Fort Rock, OR	3.78 87	P	Pn	17 21 54.4	+0.5
J05D	Terrebonne, OR	3.85 71	P	Pn	17 21 55.4	+0.6
WDC	Whiskeytown Da	3.89 131	ePn	Pn	17 21 57.7	+2.5
PINE	Pine Mountain	4.03 79	ePn	Pn	17 21 57.9	+0.6
KPM	Canto Peak	4.09 110	ePn	Pn	17 22 02.0	+3.9
E04D	Cinebar	4.44 38	P	Pn	17 22 01.4	0.0
F05D	White Salmon	4.35 51	P	Pn	17 22 04.0	+1.1
NLWA	Neilton Lookou	4.57 22	ePn	Pn	17 22 04.1	-0.5
M04D	Modoc Plateau	4.69 104	ePn	Pn	17 22 09.9	+3.5
D04E	Lakebay	4.75 32	P	Pn	17 22 07.8	+0.8
LOH	Longmire	4.83 41	ePn	Pn	17 22 09.5	+1.3
H03D	Hopland Field	4.94 27	P	Pn	17 22 21.0	+0.9
D03D	Eldon	4.94 27	P	Sn	17 23 06.6	-0.2
D03D	baz=210		S	Sn	17 23 06.6	-0.2
D05A	Enumclaw	5.08 36	ePn	Pn	17 22 09.6	-1.9
D05A	5.18 133	ePn	Sn	Sn	17 22 12.3	+2.1
O7A	Ize	5.09 78	ePn	Pn	17 22 10.9	-0.9
ORV	Oroville	5.18 133	ePn	Pn	17 22 16.5	+3.6
ORV	5.18 133	ePn	Sn	Sn	17 22 15.6	+2.8
MCR	Beckworth	5.62 124	ePn	Pn	17 22 21.3	+3.9
OKR	Marconi Confer	5.71 151	ePn	Pn	17 22 23.8	+3.6
LTY	Liberty	5.75 43	ePn	Pn	17 22 22.1	+1.4
G08A	Pilot Rock	5.75 66	ePn	Pn	17 22 20.9	0.0
WVOR	Wild Horse Val	5.77 95	ePn	Pn	17 22 21.2	+0.1
J05A	Circle Bar Har	5.80 86	ePn	Pn	17 22 21.7	+0.2
PGC	Sidney	5.84 20	ePn	Pn	17 22 21.0	-1.0
PGC	5.84 20	ePn	Sn	Sn	17 22 27.2	-1.8
HAWA	Hanford	5.85 24	ePn	Pn	17 22 23.1	+0.9
AFDM	Forest Hills D	5.90 134	ePn	Pn	17 22 27.8	+4.9
B05A	Bryant	5.91 29	S	Sn	17 23 32.1	+1.5
E08A	Dider Farm, EI	6.18 55	ePn	Pn	17 22 27.1	+0.4
PAHR	Pah Rah Range	6.32 121	ePn	Pn	17 22 29.6	+0.9
VCNR	Virginia City	6.41 125	ePn	Pn	17 22 33.5	+3.5
D08A	Wollman Farm,	6.56 51	ePn	Pn	17 22 32.5	+0.6
PNTR	Pine Nut	6.57 126	ePn	Pn	17 22 33.7	+1.4
EDGA	Wood Farm, Sta	6.57 73	ePn	Pn	17 22 34.0	+0.6
BMO	Blue Mountains	6.77 73	ePn	Pn	17 22 35.4	+0.5
YERR	Yerington	6.85 125	ePn	Pn	17 22 38.6	+2.5
YERR	6.85 125	ePn	Sb	Sb	17 24 11.4	-5.1
CMB	Columbia Colle	6.89 136	ePn	Pn	17 22 40.9	+4.4
WALK	Walker	7.02 95	ePn	Pn	17 22 42.1	+3.2
F10A	Beach Ranch, E	7.16 64	ePn	Pn	17 22 43.7	0.0
B08A	Colville Reser	7.16 41	ePn	Pn	17 22 40.3	+0.2
C09A	Chrisman Ranch	7.34 48	ePn	Pn	17 22 43.2	+0.5
RYN	Ryan	7.51 125	ePn	Pn	17 22 49.2	+4.1
KVN	Kaiserville	7.51 121	ePn	Pn	17 22 49.8	+4.7
CMAR	Camden Ranch	7.52 99	ePn	Pn	17 22 49.9	+1.9
PLID	Pearl Lake	7.73 72	ePn	Pn	17 22 49.7	+1.5
NVAR	Mina Array Bea	7.77 125	ePn	Pn	17 22 47.5	-1.2
NVAR	0.1nm,0.3s,baz=304,slow=13,SNR=2.4		LR	LR	17 25 46.6	
NVAR	comp=Z,387nm,19.3s,baz=300,slow=37		LR	LR	17 25 53.6	+3.8
NDV1	Mina Array Sit	7.86 124	ePn	Pn	17 22 53.6	+3.8
MP11	Devils Postpil	7.88 132	ePn	Pn	17 22 51.9	+1.7
LLLB	Lillooet	8.04 21	ePn	Pn	17 22 51.8	-0.5
NEW	Newport	8.24 49	ePn	Pn	17 22 55.5	+0.4
NEW	0.4nm,0.3s,baz=238,slow=14,SNR=6.8		LR	LR	17 26 14.6	
NEW	comp=Z,1um,21.1s,baz=237,slow=39		LR	LR	17 22 54.0	-1.0
NEW	Newport	8.24 49	ePn	Pn	17 22 55.5	+0.1
NEW	baz=236		Pn	Pn	17 23 02.6	+1.4
ELK	Elko	8.67 103	Pn	Pn	17 23 05.5	+4.4
ELK	0.2nm,0.3s,baz=291,slow=16,SNR=12		Pn	Pn	17 23 05.5	+4.4
ELK	Elko	8.67 103	ePn	Pn	17 23 05.5	+4.4
HLD	Halley	8.67 103	ePn	Pn	17 23 05.5	+4.4
BBB	Bella Bella	9.08 353	Pn	Pn	17 23 06.5	+0.2
BBB	0.3nm,0.3s,baz=178,slow=15,SNR=4.2		LR	LR	17 25 57.8	
B05A	comp=Z,651nm,21.0s,baz=182,slow=34		Pn	Pn	17 23 06.4	+0.1
R11A	Bella Bella	9.08 353	ePn	Pn	17 23 14.8	+2.0
BBB	Troy Canyon, C	9.55 63	ePn	Pn	17 23 13.5	+0.5
MSO	Missoula	9.55 63	ePn	Pn	17 23 18.6	+3.6
ISA	Isabella, Lake	9.70 138	ePn	Pn	17 23 20.5	+2.5
MCMT	McKenzie Canyo	9.91 76	ePn	Pn	17 23 23.8	+5.0
TPNW	Topopah Spring	9.97 125	ePn	Pn	17 23 23.8	+5.0
DLMT	Dillon	10.15 73	ePn	Pn	17 23 24.2	+2.2
HVU	Hansel Valley	10.17 93	ePn	Pn	17 23 24.8	+3.3
BGU	Big Grassy Moun	10.21 98	ePn	Pn	17 23 24.4	+2.3
LRM	Limekiln Ridge	10.32 70	ePn	Pn	17 23 25.0	+1.4
WALA	Waterton Lakes	10.47 52	ePn	Pn	17 23 26.9	+1.3
SPUT	South Promonto	10.56 96	ePn	Pn	17 23 29.3	+2.9
EDW2	Edwards Air For	10.56 109	P	Pn	17 23 29.1	+2.3
PSUT	Pine Spring	10.58 112	ePn	Pn	17 23 31.5	+4.2
DUG	Dugway, Tooele	10.60 102	ePn	Pn	17 23 30.0	+2.6
DUG	Dugway, Tooele	10.60 102	P	Pn	17 23 29.0	+1.5
DIB	Dawson Inlet,	10.80 340	ePn	Pn	17 23 30.3	+0.3
GSC	Goldstone, Bar	10.83 133	ePn	Pn	17 23 37.7	+7.1
BOZ	Bozeman (W)	10.85 72	ePn	Pn	17 23 32.3	+1.5
BOZ	Bozeman (W)	10.85 72	P	Pn	17 23 32.0	+1.1
HRY	Holter Researc	10.92 66	ePn	Pn	17 23 32.3	+0.3
SHRP	Sheep Range	10.92 124	ePn	Pn	17 23 34.2	+2.8
QLMT	Earthquake Lak	10.92 76	ePn	Pn	17 23 34.2	+2.5
VHB	Horse Butte	11.08 77	ePn	Pn	17 23 35.9	+1.7
HWUT	Hardy Ranch	11.08 77	ePn	Pn	17 23 35.9	+1.7
CTU	Camp Tracy	11.20 98	ePn	Pn	17 23 38.7	+3.0
FXWY	Fox Creek	11.20 82	ePn	Pn	17 23 37.1	+1.4
NLU	North Lily Min	11.21 102	ePn	Pn	17 23 38.4	+2.5
IMW	Indian Meadow	11.26 81	ePn	Pn	17 23 39.6	+3.0
TPAW	Teton Pass	11.27 93	ePn	Pn	17 23 40.6	+4.0
VFT	Old Faithful	11.33 78	ePn	Pn	17 23 42.5	+4.4
YHH	Holmes Hill	11.33 77	ePn	Pn	17 23 40.0	+2.2
YPP	Pitchstone Pla	11.35 79	ePn	Pn	17 23 40.0	+2.2
MOOW	Moose Ponds	11.40 82	ePn	Pn	17 23 41.2	+2.7
SNOW	Snow King Moun	11.41 83	ePn	Pn	17 23 40.7	+2.0
FLWY	Flagstaff	11.43 78	ePn	Pn	17 23 41.0	+2.2
CCUT	Cedar City	11.43 115	ePn	Pn	17 23 42.8	+3.9
YNR	Norris Junction	11.45 77	ePn	Pn	17 23 41.7	+2.6
JLU	Jordanelle	11.45 98	ePn	Pn	17 23 42.0	+2.8
LOHW	Long Hollow	11.51 82	ePn	Pn	17 23 41.9	+1.9
TRCU	Three Creeks R	11.51 109	ePn	Pn	17 23 42.2	+2.2
H17A	Grant Village	11.51 78	ePn	Pn	17 23 42.2	+2.2
SZCU	Shurtz Canyon	11.59 114	ePn	Pn	17 23 43.7	+2.6
LCMT	Little Creek M	11.81 117	ePn	Pn	17 23 48.0	+4.0
LDFC	Landfair	11.93 129	ePn	Pn	17 23 49.3	+3.7
TKMT	Trail Mountain	12.09 104	ePn	Pn	17 23 50.6	+2.7
KNB	Kanab	12.10 116	ePn	Pn	17 23 51.7	+3.5
PKCT	Pink Cliffs	12.10 116	ePn	Pn	17 23 51.7	+3.5
GCMT	Greycliff	12.24 72	ePn	Pn	17 23 50.1	+0.2
P17A	Butcher Ranch,	12.35 102	ePn	Pn	17 23 53.4	+2.0
BW06	Boulder Array	12.36 86	P	Pn	17 23 53.3	+1.8
BW06	Boulder Array	12.36 86	P	Pn	17 23 53.1	+1.5
PDAR	Pinedale Array	12.36 86	Pn	Pn	17 23 52.9	+1.4
RLMT	Red Lodge	12.47 75	ePn	Pn	17 23 54.1	+1.1

EGMT	Eagleton	12.62 62	ePn	Pn	17 23 55.6	+0.6
W13A	Hualapai Moun	12.63 126	ePn	Pn	17 23 59.2	+3.9
SRU	San Rafael Smt	12.65 103	ePn	Pn	17 23 58.7	+3.2
U15A	North Rim	12.78 117	ePn	Pn	17 24 00.1	+2.8
Y12C	Blythe	13.23 131	ePn	Pn	17 24 08.4	-4.9
GLA	Glamis	13.61 130	ePn	Pn	17 24 08.9	+0.5
WUAZ	Wupatki	13.92 118	ePn	Pn	17 24 15.5	+2.7
O20A	White River Ci	13.92 96	ePn	Pn	17 24 14.5	+1.6
Y14A	Wickenburg	13.96 127	ePn	Pn	17 24 15.9	+2.7
PV21	Cone Mtn., Par	13.97 103	ePn	Pn	17 24 14.5	+0.9
PV22	Carpenter Ridg	13.99 104	ePn	Pn	17 24 16.3	+2.4
PV14	Crater Creek, Pa	14.02 104	ePn	Pn	17 24 16.1	+1.5
PV20	West Nyswonger	14.07 104	eP	P	17 24 19.3	-3.5
PV19	Morning Glory	14.08 104	ePn	P	17 24 19.9	-3.0
PV04	Paradox Valley	14.10 104	ePn	P	17 24 17.8	+2.6
PV17	East Wray Mesa	14.11 104	ePn	P	17 24 19.7	-3.5
PV22	Blue Mesa, Par	14.12 103	ePn	P	17 24 17.9	+1.7
PV16	Nyswonger Mesa	14.12 104	ePn	P	17 24 19.3	+3.6
PV18	Skein Mesa, Pa	14.16 104	ePn	Pn	17 24 19.6	+3.5
PV03	Paradox Valley	14.20 104	ePn	Pn	17 24 20.4	+3.8
PV12	Saucer Basin,	14.20 104	ePn	Pn	17 24 19.7	+2.9
PV07	Paradox Valley	14.26 103	ePn	Pn	17 24 18.8	+1.3
PV11	Paradox Valley	14.26 103	ePn	Pn	17 24 18.4	+0.9
113A	Mohawk Valley,	14.39 132	ePn	P	17 24 22.8	-3.4
PV01	Paradox Valley	14.45 104	ePn	Pn	17 24 22.9	+2.8
X16A	Lo Mia Camp, P	14.57 122	ePn	Pn	17 24 25.3	-3.1
MVCO	Mesa Verde	14.92 108	ePn	Pn	17 24 27.9	+1.4
SMCO	Snowmass	15.17 99	ePn	Pn	17 24 31.9	+1.9
W18A	Petrified Fore	15.22 116	ePn	P	17 24 31.1	-2.5
W18A	Petrified Fore	15.22 116	P	Pn	17 24 32.4	+1.8
DLBC	Dease Lake	15.44 353	Pn	LR	17 24 33.9	+0.8
DLBC	0.1nm,0.3s,baz=162,slow=20,SNR=2.0		LR	LR	17 29 48.4	
DLBC	comp=Z,267nm,20.5s,baz=154,slow=35		LR	LR	17 24 34.6	+1.5
DLBC	Dease Lake	15.44 353	ePn	Pn	17 24 36.8	-1.3
X18A	Snowflake	15.44 119	ePn	P	17 24 36.8	-1.3
PHWY	18nm,1.4s	15.63 90	ePn	Pn	17 24 35.3	-0.6
PHWY	6.1nm,1.4s	15.63 90	ePn	Pn	17 24 35.3	-0.6
BESE	Bessie Mountai	16.29 344	ePn	Pn	17 24 45.2	+1.1
DMGT	Dagmar	16.34 63	ePn	Pn	17 24 46.2	+1.4
DMGT	4.9nm,1.6s	16.34 63	ePn	P	17 24 47.0	-0.7
TUC	Tucson	16.42 126				

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Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like KAPI, BNSI, WAKE, GUMU, etc.

2013 JUL

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like NACB, SSSLB, Suanglung, Taipei, etc.

20d 19h

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like WHN, CMAR, GYA, etc.

20d 19h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PET, NIKH, GO01, PEA0B, etc.

2013 JUL

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like ISA, LPAZ, BELC, GLA, LRM, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like W13A, LZH, PAHR, SHPR, etc.

ANMO	comp=Z,3um,18.0s	105.14	57	1/P	Pdif	19 31 19.7 +1.8
SWV2	Sparrevohn	105.25	15	PFAKE	LR	19 35 40.0 +8.7
GTA	comp=Z,1um,20.0s	105.31	309	eP	PKIKP	19 35 34.0 +1.7
GTA	Gaotai			pP	PP	19 35 44.0 -2.1
GTA				sP		19 35 41.3
GTA	comp=Z,5.0nm,1.2s			pmax	pmax	
GTA	comp=Z,7.0nm,5.5s					
GTA	comp=N,300nm,18.9s					
GTA	comp=E,440nm,22.0s					
GTA	comp=Z,220nm,22.0s					
MFID	Camas Ranch	105.32	45	PFAKE	LR	19 35 40.0 +7.8
MFID						
MVCO	Mesa Verde	105.35	54	PFAKE	LR	19 35 40.0 +7.4
MVCO						
TGUH	Tegucigalpa,Un	105.36	85	PFAKE	LR	19 35 40.0 +6.9
TGUH						
ESTN	Estel	105.43	86	PFAKE	LR	19 35 40.0 +6.8
ESTN						
HAWA	Hanford	105.49	41	PFAKE	LR	19 35 40.0 +7.8
HAWA						
BMO	Blue Mountains	105.53	43	PFAKE	LR	19 35 40.0 +7.5
BMO						
LTY	Liberty	105.54	40	PFAKE	LR	19 35 40.0 +7.6
LTY						
SEW	Seward	105.63	18	PFAKE	LR	19 35 40.0 +8.0
SEW						
GAMB	Gambell	105.63	6	PFAKE	LR	19 35 40.0 +8.1
GAMB						
PV13	Radium Mtn., P	105.78	53	PFAKE	LR	19 35 40.0 +6.6
PV13						
PV19	Morning Glory	105.78	53	PFAKE	LR	19 35 40.0 +6.7
PV19						
PV18	Skein Mesa, Pa	105.78	53	PFAKE	LR	19 35 40.0 +6.7
PV18						
PV10	Paradox Valley	105.79	53	PFAKE	LR	19 35 40.0 +6.6
PV10						
E08A	Dider Farm, El	105.79	41	PFAKE	LR	19 35 40.0 +7.2
E08A						
PV14	Lion Creek, Pa	105.79	53	PFAKE	LR	19 35 40.0 +6.6
PV14						
PV20	West Nyswonger	105.81	53	PFAKE	LR	19 35 40.0 +6.6
PV20						
PV03	Paradox Valley	105.82	53	PFAKE	LR	19 35 40.0 +6.6
PV03						
PV04	Paradox Valley	105.88	53	PFAKE	LR	19 35 40.0 +6.5
PV04						
PV12	Saucer Basin,	105.89	53	PFAKE	LR	19 35 50.0 +1.6
PV12						
HLID	Hailey	106.17	46	P	PKIKP	19 35 33.5 -0.3
HLID						
ITRB	Iituma	106.25	136	eP	Pdif	19 31 21.9 -1.1
D08A	Wollman Farm,	106.25	41	PFAKE	LR	19 35 50.0 +1.6
D08A						
E09A	Wood Farm, Sta	106.26	42	PFAKE	LR	19 35 50.0 +1.6
E09A						
F10A	Beach Ranch, E	106.35	42	PFAKE	LR	19 35 50.0 +1.6
F10A						
ESPN	Las Esperanzas	106.41	88	PFAKE	LR	19 35 50.0 +1.5
ESPN						
HWUT	Hardware Ranch	106.44	49	PFAKE	LR	19 35 50.0 +1.6
HWUT						
RC01	Rabbit Creek A	106.44	17	PFAKE	LR	19 35 50.0 +1.6
RC01						
JCT	Junction City	106.64	64	PFAKE	LR	19 35 50.0 +1.5
JCT						
TTA	Tatalina	106.86	14	PFAKE	LR	19 35 50.0 +1.6
TTA						
GLI	Glacier Island	106.86	19	PFAKE	LR	19 35 50.0 +1.6
GLI						
MSTX	Muleshoe	106.87	59	PFAKE	LR	19 35 50.0 +1.5
MSTX						
FID	Port Fidalgo	106.90	19	PFAKE	LR	19 35 50.0 +1.6
FID						
B08A	Colville Reser	106.96	40	PFAKE	LR	19 35 50.0 +1.5
B08A						
SIT	Sitka	107.00	26	PFAKE	LR	19 35 50.0 +1.5
SIT						
PMR	Palmer	107.02	17	PFAKE	LR	19 35 50.0 +1.5
PMR						
RAGM	Ragged Mountai	107.03	20	PFAKE	LR	19 35 50.0 +1.5
RAGM						
ANM	Norne	107.04	9	PFAKE	LR	19 35 50.0 +1.5
ANM						
C09A	Chrisman Ranch	107.08	41	PFAKE	LR	19 35 50.0 +1.5
C09A						
HMT	Hamilton	107.10	20	PFAKE	LR	19 35 50.0 +1.5
HMT						
ULN	Ulaanbaatar	107.15	319	PFAKE	LR	19 35 50.0 +1.5
ULN						
ULN	Ulaanbaatar	107.15	319	1/P	Pdif	19 31 27.8 +1.4
SML	Sawmill	107.19	18	PFAKE	LR	19 35 50.0 +1.5
SML						
O20A	White River Ci	107.39	52	PFAKE	LR	19 35 50.0 +1.4
O20A						
S0NM	Songino Array	107.45	319	Pdiff	Pdif	19 31 28.0 +0.3
S0NM						
S0NM	comp=Z,0.8nm,0.9s,baz=131,slow=4.0,SNR=4.3			PKPKP	PKIKP	19 35 34.9 -1.1
S0NM	comp=Z,0.4nm,0.6s,baz=191,slow=3.8,SNR=2.9			PKPKPbc	PKPKPbc	19 46 49.3 -2.2
AHID	Auburn Hatcher	107.46	48	PFAKE	LR	19 35 50.0 +1.4
AHID						
WRAK	Wrangeli Islan	107.51	28	PFAKE	LR	19 35 50.0 +1.4
WRAK						
SDCO	Great Sand Dun	107.52	55	PFAKE	LR	19 35 50.0 +1.3
SDCO						
SDCO	Great Sand Dun	107.52	55	P	PKIKP	19 35 38.2 +1.6
PPLA	Purkeypile	107.55	15	PFAKE	LR	19 35 50.0 +1.4
PPLA						
CRQM	Cirque	107.75	20	PFAKE	LR	19 35 50.0 +1.4
CRQM						

BCIP	Isia Barro Col	107.80	94	PFAKE	LR	19 35 50.0 +1.2
BCIP						
TGL	Tana Glacier	107.83	20	PFAKE	LR	19 35 50.0 +1.4
TGL						
MYIG	Mrida	107.86	78	PFAKE	LR	19 35 50.0 +1.3
MYIG						
MSEY	Mahe Island	107.94	246	PFAKE	LR	19 35 50.0 +1.2
MSEY						
NEW	Newport	107.97	41	PFAKE	LR	19 35 50.0 +1.3
NEW						
PCA	Pinnacle	107.97	22	PFAKE	LR	19 35 50.0 +1.3
PCA						
TPAW	Teton Pass	108.01	48	PFAKE	LR	19 35 50.0 +1.3
TPAW						
BCPM	Bancas Point	108.03	22	PFAKE	LR	19 35 50.0 +1.3
BCPM						
CAST	Castle Rocks	108.04	15	PFAKE	LR	19 35 50.0 +1.4
CAST						
ABTX	Abilene, Hawie	108.08	62	PFAKE	LR	19 35 50.0 +1.2
ABTX						
SNOW	Snow King Moun	108.11	48	PFAKE	LR	19 35 50.0 +1.2
SNOW						
AMTX	Amarillo	108.14	59	PFAKE	LR	19 35 50.0 +1.2
AMTX						
JIS	Juneau Island	108.28	26	PFAKE	LR	19 35 50.0 +1.3
JIS						
IMW	Indian Meadow	108.28	47	PFAKE	LR	19 35 50.0 +1.2
IMW						
LOHW	Long Hollow	108.29	48	PFAKE	LR	19 35 50.0 +1.2
LOHW						
MOOV	Moose Ponds	108.30	47	PFAKE	LR	19 35 50.0 +1.2
MOOV						
BW06	Boulder Array	108.33	49	PFAKE	LR	19 35 50.0 +1.2
BW06						
PDAR	Pinedale Array	108.33	49	PKIKP	PKIKP	19 35 38.0 0.2
PDAR						
PDAR	comp=Z,0.2nm,0.3s,baz=225,slow=2.0,SNR=2.5			P	PP	19 36 04.2 +1.5
PDAR	comp=Z,0.5nm,0.7s,baz=249,slow=4.1,SNR=4.0			PKPKPbc	PKPKPbc	19 46 46.5 -2.2
PDAR	comp=Z,0.6nm,0.6s,baz=83,slow=3.1,SNR=3.1			PKPKPbc	PKPKPbc	19 46 57.6 -1.9
PDAR	comp=Z,1.5nm,0.8s,baz=60,slow=13,SNR=3.3			PKPKPbc	PKPKPbc	
DLMT	Dillon	108.34	45	PFAKE	LR	19 35 50.0 +1.2
DLMT						
BESE	Bessie Mountai	108.36	25	PFAKE	LR	19 35 50.0 +1.3
BESE						
KTH	Kantishna Hill	108.39	16	PFAKE	LR	19 35 50.0 +1.3
KTH						
CTGM	Chitina Glacie	108.40	21	PFAKE	LR	19 35 50.0 +1.3
CTGM						
TEIG	Tepich	108.49	79	PFAKE	LR	19 35 50.0 +1.1
TEIG						
FLWY	Flagg Ranch	108.54	47	PFAKE	LR	19 35 50.0 +1.2
FLWY						
MSO	Missoula	108.60	43	PFAKE	LR	19 35 50.0 +1.2
MSO						
MSO	Missoula	108.60	43	P	PKIKP	19 35 39.8 +1.6
MSO						
RND	Reindeer	108.69	17	PFAKE	LR	19 35 50.0 +1.2
RND						
DHY	Denali Highway	108.72	17	PFAKE	LR	19 35 50.0 +1.2
DHY						
H17A	Grant Village	108.81	47	PFAKE	LR	19 35 50.0 +1.1
H17A						
BPAW	Bear Paw Mtn.	108.87	15	PFAKE	LR	19 35 50.0 +1.2
BPAW						
SKAG	Skagway	108.91	25	PFAKE	LR	19 35 50.0 +1.2
SKAG						
MCK	McKinley	108.96	16	PFAKE	LR	19 35 50.0 +1.2
MCK						
RWWY	Rawlins	108.99	51	PFAKE	LR	19 35 50.0 +1.1
RWWY						
BOZ	Bozeman (W)	109.01	46	PFAKE	LR	19 35 50.0 +1.1
BOZ						
BOZ	Bozeman (W)	109.01	46	P	PKIKP	19 35 42.1 +3.1
BOZ						
LKWY	Lake Whitney,	109.01	47	PFAKE	LR	19 35 50.0 +1.1
LKWY						
HKT	Hockley	109.02	67	PFAKE	LR	19 35 50.0 +1.1
HKT						
ROSC	El Rosal	109.06	101	PFAKE	LR	19 35 50.0 +1.0
ROSC						
PAX	Paxson	109.07	18	PFAKE	LR	19 35 50.0 +1.2
PAX						
WHTX	L					

20d 19h

Table with columns for name, time, date, status, and score. Includes entries like INK Inuvik, GNAR Gosnell, ECSD EROS Data Cent, etc.

2013 JUL

Table with columns for name, time, date, status, and score. Includes entries like X51A Calhoun, W50A Signal Mountai, AGMGN Agassiz Nation, etc.

1050

Table with columns for name, time, date, status, and score. Includes entries like HODGE, Q48A North Vernon, R49A Shelbyville, etc.

20d 19h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M59A Waymart, ALGO Algonquin Park, H55A Tweed, etc.

2013 JUL

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MAK Makhachkala, GNI Gani, GNI Groznyy, etc.

1052

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TOC3 Torodi Ar. Sit, TOC5 Torodi Ar. Sit, TOB3 Torodi Ar. Sit, etc.

20d 19h

JMA 20 19:19:45.4-0.1,24.26N;121.47E,h3km,M3.9
TAP 20 19:19:45.2,24.28N,121.49E,h5km,ML4.3,C
IDC 20 19:19:45.6,2.2,24.44N,121.64E,h0km,mb3.9/10,
mb1.4,1/10,mb1mx3.8/41,mbtmp4.0/10,ML2.2/1,Error
ellipse: s-maj=50.8km s-min=25.0km az=160.0,
ISC/JB 20 19:19:45.8-0.2,24.291N;0.008;121.51E;0.01,
h5km;1km,mb3.9/15,Error ellipse: s-maj=1.8km
s-min=1.3km az=27.9
NEIC 20 19:19:46.1-0.7,24.28N;121.46E,h8km;5km,mb4.2/5,
ML4.1(TAP),Error ellipse: s-maj=2.8km s-min=1.6km
az=89.0
NEIC Recorded [3 TAP] in Hualien, Nantou and Yilan; [2 TAP] in
Taichung; [1 TAP] in Hsinchu and Taoyuan.
BJJ 20 19:19:50.9-0.2,24.64N;121.01E,h9km,mb4.0/7,
mB4.3/2,ML4.1/1,Ms4.1/4,Ms7.3/9/4
ISC 20 19:19:46.1-0.8,24.28N;0.01;121.49E;0.01,h7km;5km,
m159,az085/235,mb4.1/15,55C-2D,Taiwan

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded data.

2013 JUL

Table with columns: Station Name, Az, Az', Op, ISC, Time, Res, ISC. Lists seismic stations and their recorded data for July 2013.

1054

Table with columns: Station Name, Az, Az', Op, ISC, Time, Res, ISC. Lists seismic stations and their recorded data for event 1054.

NEIC 20 19:20:16.2±0.0,41.57S;174.36E,h14km,ML4.3(WEL),
After WEL
WEL 20 19:20:16.2,41.6S;0.7;174.4E;0.6,h12km;2km,ML4.3/12,
mL4.6/10,MLv4.3/12,Error ellipse: s-maj=0.0km
s-min=0.0km az=156.1,Cook Strait

Table with columns: Code, Station Name, Az, Az', Op, ISC, Time, Res, ISC. Lists seismic stations and their recorded data for event 1054.

MOZ McQueen's Vall 2.48 210 ePn Pn 19 20 56.4 0.0
WKZ Wanaka 5.09 228 ePn Pn 19 21 31.5 -0.7

IDC 20 19:22:04.8.1.7, 41.140S:174.38E, h0km, mb4.0/2,
mb1 4.3/4, mb1mx3.9/35, mbtmp4.1/4, ML3.7/1, Error
ellipse: s-maj=43.9km s-min=25.6km az=137.0

ISCJB 20 19:22:07.9.0.3, 41.61S:0.03:174.36E:0.04, h25km, 3km,
mb3.9/2, Error ellipse: s-maj=6.3km s-min=3.5km
az=144.2

WEL 20 19:22:07.8.4.1, 65.0:6.174:4E:0.7, h13km, 2km, M4.1/22,
ML4.4/18, MLv4.1/22, Error ellipse: s-maj=0.0km
s-min=0.0km az=125.3

NEIC 20 19:22:07.9.0.1, 41.56S:174.38E, h10km, ML4.1 (WEL),
After WEL

ISC 20 19:22:07.8.0.9, 41.58S:0.03:174.39E:0.03, h21km, 1km,
n53, r114/61, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CMWZ Cape Campbell, SNZO South Karori, TUWZ Tuamarina, etc.

WEL 20 19:22:37.9.42S:2:17:4E:1, h10km, 5km, M3.9, M4.2/8,
bz=9/9, Error ellipse: s-maj=0.0km s-min=0.0km
az=122.2, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

IDC 20 19:23:12.8.60.0, 16.73S:178.39E, h0km, mb4.4/3,
s-maj=1076.0km s-min=158.6km az=76.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 20 19:25:09.0.1.4, 41.162S:174.44E, h0km, mb3.7/2,
mb1 3.9/4, mb1mx3.6/34, mbtmp3.7/4, ML3.4/1, Error
ellipse: s-maj=47.4km s-min=14.9km az=133.1

ISCJB 20 19:25:12.6.0.4, 41.77S:0.03:174.39E:0.04, h16km, 4km,
mb3.5/2, Error ellipse: s-maj=6.4km s-min=3.7km
az=142.5

WEL 20 19:25:12.5.42:2:17:4E:1, h16km, 3km, M3.7/23,
ML4.0/18, MLv3.7/23, Error ellipse: s-maj=0.0km
s-min=0.0km az=143.6

ISC 20 19:25:11.6.1.0, 41.65S:0.03:174.39E:0.03, h18km, 5km,
n59, r108/66, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include PAWZ Paruwai Farm, NNZ Nelson, DUWZ D'Urville Isla, etc.

MAN 20 19:25:46.6, 18.84N:120.81E, h2km, mb4.3, ML3.1, MS2.9,
IC, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CVP Callao Caves, CVP Urewera, CVP Urewera, etc.

MEX 20 19:30:02.7.0.5, 16.24N:97.52W, h13km, 8km, MD3.6,
Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include VHO Vista Hermosa, VHO Huatulco, HUIG Huatulco, etc.

IDC 20 19:30:28.8.1.1, 41.37S:174.24E, h0km, mb4.0/2,
mb1 4.1/4, mb1mx3.7/32, mbtmp3.8/4, ML3.5/2, MS4.5/1,
Ms1 4.5/1, ms1mx3.8/20, Error ellipse: s-maj=34.6km
s-min=23.8km az=134.0

ISCJB 20 19:30:31.4.0.3, 41.78S:0.02:174.42E:0.03, h24km, 3km,
mb4.2/8, MS4.4/1, Error ellipse: s-maj=5.2km s-min=2.4km
az=43.7

WEL 20 19:30:32.1.4.1, 65.0:9.174:4E:0.9, h18km, 2km, M4.4/26,
ML4.7/20, MLv4.4/26, Error ellipse: s-maj=0.0km
s-min=0.0km az=135.2

NEIC 20 19:30:32.1.0.0, 41.61S:174.36E, h19km, mb4.5/6,
ML4.4 (WEL), After WEL

ISC 20 19:30:37.1.0.1, 41.60S:0.03:174.36E:0.02, h12km, 7km,
n150, r149/157, mb4.4/8, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include NBEZ Newall Road No, MTVZ Mangateitei, DREZ Durham Road, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include ETAZ East Takami Re, ETAZ Waiaitua, FOGZ Fox Glacier, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

MAN 20 19:35:26.6, 41.65S:0.9:174.4E:0.7, h14km, 2km, M3.4/29,
ML3.6/19, MLv3.4/29, Error ellipse: s-maj=0.0km
s-min=0.0km az=150.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Rows include WAZ Waitaha Valley, WAZ Waifua, WAZ Waifua, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Otaki Gorge, Traveller, Kahutara, Holdsworth Sta, etc.

WEL 20:20:38-05.8, 41°55.0'8.174"E, 0.9, h12km, 2km, M3.5/12, ML3.9/12, MLv3.5, Error ellipse: s-maj=0.0km s-min=0.0km az=132.1, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Cape Campbell, Tuamaringa, Tory Channel, etc.

ISCJB 20:40:26.9-0.5, 53.14N, 0.07x176.41W, 0.10, h231km, mb3.6/15, Error ellipse: s-maj=10.3km s-min=7.0km az=146.0

IDC 20:40:29.6-5.0, 52.98N, 176.22W, h266km, 46km, mb3.2/12, mb1.3/9.15, mb1mx3.1/5.0, mbmt3.8/15, Error ellipse: s-maj=29.6km s-min=13.0km az=10.0

NEIC 20:40:29.0-0.0, 52.52N, 176.04W, h234km, mb4.2/14, After AEIC.

ISC 20:40:27.0-0.6, 53.00N, 0.1x176.20W, 0.08, h231km, n41, c2159/42, mb3.5/15, Andronof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Great Sitkin T, Adak, Kanaga Island, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Alice Springs, MAW, BOSA, etc.

DJA 20:41:37.0-2.1, 8°N, 18°E, 12°7E, h10km, M4.9, mB5.2/1, mb4.7/5, MLv5.0/4, Mw(mb)3.4/5

MAN 20:41:39.3, 7°22'N, 127.14E, h1km, mb5.1, ML4.1, MS4.2, IDC 20:41:43.9, 0.6, 7.31N, 127.13E, h48km, 4km, mb4.0/27, mb1.4/1.29, mb1mx4.0/4.4, mbmt4.2/29, MS3.7/5, Ms1.3/7.5, ms1mx3.3/3.1, Error ellipse: s-maj=11.7km s-min=7.7km az=152.0

ISCJB 20:41:44.2-0.6, 7.28N, 0.03x126.98E, 0.05, h71km, 5km, mb4.4/65, Error ellipse: s-maj=8.6km s-min=4.2km az=170.8

NEIC 20:41:46.1-1.1, 7.28N, 126.94E, h73km, 7km, mb4.6/47, Error ellipse: s-maj=12.1km s-min=9.5km az=219.0

ISC 20:41:44.6-0.5, 12.90N, 141.27E, 0.05, h58km, 4km, n108, c1946/127, mb4.5/4, 6C-2D, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Bislig, DAVAO City (W), DAVAO City (E), etc.

WRR1 Warrungarra Arr 27.98 165 eP P 20 47 30.5 +0.5

WRA Warrungarra Arr 27.98 165 eP P 20 47 30.5 +0.5

WB2 Warrungarra Arr 27.98 165 eP P 20 47 31.3 +1.3

INU Inuvik 29.38 17 eP P 20 47 43.4 +1.1

PSA00 Pilbara Seismi 29.55 194 eP P 20 47 43.6 -0.3

CMAR Chiang Mai Arr 29.56 295 eP P 20 47 43.4 -0.7

CMAR 0.5km, 0.3s, baz=113, slow=7.0, SNR=3.7, Gunungstoli 30.02 260 eP P 20 47 46.9 -1.3

KS15 Wenuj Arr Si 30.03 1 eP P 20 47 48.5 +0.6

KSRS Korea Array 30.04 1 eP P 20 47 48.5 +0.4

KSRS 3.5nm, 0.8s, baz=178, slow=9.9, SNR=15, Korea Array 30.04 1 eP P 20 47 48.5 +0.4

KSRS 2.5nm, 0.8s, baz=175, slow=10, SNR=5.6, Korea Array 30.04 1 eP P 20 47 48.5 +0.4

MJAR Matsushiro Arr 30.84 18 p P 20 47 55.6 +0.4

MJAR 2.3nm, 0.7s, baz=195, slow=9.8, SNR=13, Matsushiro Arr 30.84 18 p P 20 47 55.6 +0.4

MJAR 3.7nm, 1.0s, baz=192, slow=9.8, SNR=5.7, Matsushiro Arr 30.84 18 p P 20 47 55.6 +0.4

MJAR 0.4nm, 0.7s, baz=167, slow=2.6, SNR=4.2, Matsushiro Arr 30.84 18 p P 20 47 55.6 +0.4

ASAJ Alice Springs 31.47 168 eP P 20 48 01.7 +0.8

ASAR Alice Springs 31.47 168 p P 20 48 02.0 +1.1

ASAR 0.5nm, 0.3s, baz=341, slow=7.2, SNR=12, Alice Springs 31.47 168 p P 20 48 02.0 +1.1

ASAR 1.6nm, 0.6s, baz=351, slow=2.3, SNR=14, Alice Springs 31.47 168 p P 20 48 02.0 +1.1

ASAR 0.5nm, 0.7s, baz=352, slow=1.3, SNR=7.0, Alice Springs 31.47 168 p P 20 48 02.0 +1.1

CTAO Charters Tower 33.09 146 eP P 20 48 16.8 +1.6

USA0B Ussuriysk Arr 37.02 6 eP P 20 48 49.2 +0.6

USRK Ussuriysk Arr 37.02 6 p P 20 48 50.1 +1.5

USRK 1.3nm, 0.9s, baz=188, slow=7.7, SNR=17, Ussuriysk Arr 37.02 6 p P 20 48 50.1 +1.5

USRK 2nm, 0.9s, baz=196, slow=9.1, SNR=6.9, Ussuriysk Arr 37.02 6 p P 20 48 50.1 +1.5

ERM Erimo 37.40 20 eP P 20 48 53.4 +1.5

MORW Morawa 37.68 196 eP P 20 48 54.5 +0.1

FORT Fort 37.86 179 eP P 20 48 55.7 -0.1

ASAJ Asahikawa 39.11 18 p P 20 49 08.1 +1.8

BBOO Buckleboe 40.77 168 eP P 20 49 21.2 +1.0

NWAO Narrogin (SRO) 41.08 193 eP P 20 49 23.2 +0.5

STKA Stephens Creek 41.33 161 p P 20 49 25.4 +0.7

STKA 1.1nm, 0.7s, baz=328, slow=11.0, SNR=4.2, Stephens Creek 41.33 161 p P 20 49 25.4 +0.7

STKA 3.0nm, 1.0s, Stephens Creek 41.33 161 eP P 20 49 25.9 +1.2

YLS Yuzh-Sakhalins 41.74 16 eP P 20 49 29.0 +1.1

ULN Ulanbaatar 43.89 341 eP P 20 49 44.5 -1.1

SONA0 Songoing Array 44.08 340 eP P 20 49 47.3 +0.2

SONM Songoing Array 44.08 340 p P 20 49 47.3 +0.2

SONM 0.6nm, 0.8s, baz=144, slow=4.2, SNR=6.6, Songoing Array 44.08 340 p P 20 49 47.3 +0.2

SONM 0.3nm, 0.4s, baz=18, slow=4.2, SNR=3.0, Songoing Array 44.08 340 p P 20 49 47.3 +0.2

SONM 0.4nm, 0.6s, baz=153, slow=4.2, SNR=3.7, Songoing Array 44.08 340 p P 20 49 47.3 +0.2

ARMA Armadale 44.27 149 eP P 20 49 49.9 +1.1

PEA0B Petropavlovsk- 52.03 23 eP P 20 50 50.8 +2.7

PETK Petropavlovsk- 52.03 23 p P 20 50 49.8 +1.6

YAK Yakutsk 54.67 1 eP P 20 51 07.3 0.0

YAK 17nm, 0.9s, Yakutsk 54.67 1 eP P 20 51 07.3 0.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include stations like Makanchi Array, Alice Springs, MAW, BOSA, etc.

MEX 20:48:51.8-0.5, 18.70N, 103.42W, h50km, 7km, MD3.7, Near coast of Michoacan

Code Station Name Az AzZ Phase ID Time Res. Rows include stations like Waikabubak, Su, Plampang, etc.

WBSI Waikabubak, Su 2.22 39 p P 20 43 05.5 +0.8

PLAI Plampang 2.55 355 p P 20 43 05.5 +1.3

IGBI Denpasar 3.78 312 p P 20 43 32.1 +1.0

SNP Denpasar 3.83 314 p P 20 43 30.7 +1.0

DNI Singaraja 4.27 320 p P 20 43 30.7 +1.0

EDFI Flores 4.50 305 p P 20 44 22.5 -0.2

JAGI Jajag, Banyuwya 4.76 307 p P 20 44 22.5 -0.6

BATI Baumenta 5.71 79 p P 20 43 48.9 +1.3

BATI 3.2nm, 0.3s, baz=258, slow=1.7, SNR=14, Baumenta 5.71 79 p P 20 43 48.9 +1.3

BATI 2.8nm, 0.3s, baz=319, slow=1.9, SNR=5.2, Baumenta 5.71 79 p P 20 43 48.9 +1.3

BKSI Bulukumba 6.39 20 p P 20 43 59.7 +2.7

KAPI Kappang 6.57 16 p P 20 44 02.3 +2.8

KAPI 0.8nm, 0.3s, baz=193, slow=6.4, SNR=16, Kappang 6.57 16 p P 20 44 02.3 +2.8

KAPI 2.8nm, 0.3s, baz=197, slow=14, SNR=7.4, Kappang 6.57 16 p P 20 44 02.3 +2.8

WRA Warrungarra Arr 17.89 120 p P 20 46 31.8 +0.3

ASAR Alice Springs 19.46 131 p P 20 46 50.9 +0.3

ASAR 0.5nm, 0.5s, baz=308, slow=1.9, SNR=3.3, Alice Springs 19.46 131 p P 20 46 50.9 +0.3

MKAR Makanchi Array 66.13 334 p P 20 53 09.5 +0.5

VNDA Vanda 69.80 171 p P 20 53 31.5 -0.1

VNDA 0.9nm, 0.7s, baz=307, slow=10, SNR=9.0, Vanda 69.80 171 p P 20 53 31.5 -0.1

MEX 20:51:31.0-0.5, 18.70N, 103.53W, h32km, 24km, MD3.6, Near coast of Michoacan

Code Station Name Az AzZ Phase ID Time Res. Rows include stations like Aquila, Equis, etc.

MMIG Aquila 0.44 171 eP P 20 51 38.1 -1.0

MMIG 0.7nm, 0.7s, baz=114, slow=7.9, SNR=17, Aquila 0.44 171 eP P 20 51 38.1 -1.0

EZSV Equis 0.79 347 eP P 20 51 45.6 -1.9

EZSV 0.8nm, 0.3s, baz=193, slow=6.4, SNR=16, Equis 0.79 347 eP P 20 51 45.6 -1.9

CJM Chabela 1.73 298 eP P 20 49 16.5 -1.6

CJM 2.8nm, 0.3s, baz=197, slow=14, SNR=7.4, Chabela 1.73 298 eP P 20 49 16.5 -1.6

CJM 0.1nm, 0.3s, baz=299, slow=2.6, SNR=3.5, Chabela 1.73 298 eP P 20 49 16.5 -1.6

PUEP Puente Sto Nin 2.94 98 fP P 20 49 38.3 -2.1

ARIG 0.9nm, 0.7s, baz=307, slow=10, SNR=9.0, Puente Sto Nin 2.94 98 fP P 20 49 38.3 -2.1

MMIG Aquila 0.44 171 eP P 20 51 45.6 -1.7

EZSV Equis 0.79 347 eP P 20 51 45.6 -1.9

CJM Chabela 1.73 298 eP P 20 49 16.5 -1.6

CJM 2.8nm, 0.3s, baz=197, slow=14, SNR=7.4, Chabela 1.73 298 eP P 20 49 16.5 -1.6

CJM 0.1nm, 0.3s, baz=299, slow=2.6, SNR=3.5, Chabela 1.73 298 eP P 20 49 16.5 -1.6

ARIG 0.9nm, 0.7s, baz=307, slow=10, SNR=9.0, Puente Sto Nin 2.94 98 fP P 20 49 38.3 -2.1

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, ISC. Includes stations like NTC Toucheng, NACB Ninganchiao, NNSB Datong, etc.

NIED 21 00:11:00, 45:20N, 150:90E, h104km, Mw4.0 Best double couple: Mo:1.09000e+1015 NP1:phi+116.000000, delta:0.000000, lambda:-18.000000. NP2:phi+220.000000, delta:79.000000, lambda:-126.000000.

ISC/JB 21 00:11:51.9, 0.3, 45:91N, 0:04:151.18E, 0:05, h100km, mb4.2/36, Error ellipse: s-maj=7.1km s-min=3.0km az=141.0

MOS 21 00:11:53.8, 1.3, 46:04N, 151:05E, h118km, mb4.3/14, Error ellipse: s-maj=9.6km s-min=6.7km az=62.7

SKHL 21 00:11:53.6, 0.7, 45:81N, 151:29E, h118km, 10km, mb5.2/1 NEIC 21 00:11:55.5, 1.1, 46:07N, 150:99E, h115km, 7km, mb4.4/12, Error ellipse: s-maj=20.0km s-min=13.1km az=156.0

IDC 21 00:11:57.3, 2.5, 46:37N, 150:87E, h115km, 20km, mb3.8/16, mb1 3.8/21, mb1mx3.6/5.4, mbtmpa.1/21, MS2.5/1, Ms1 2.5/1, ms1mx2.1/30, Error ellipse: s-maj=29.6km s-min=13.2km az=154.0

JMA 21 00:11:58.6, 0.6, 45:21N, 150:91E, h119km, M4.2, ISC 21 00:11:52.4, 0.5, 45:79N, 0:06:151.15E, 0:06, h100km, n142, az=29/165, mb4.2/39, SC-4D, Kuril Islands

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, ISC. Includes stations like KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, ISC. Includes stations like GRPR, GRPR, GRPR, etc.

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, ISC. Includes stations like H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, SONAO Songino Array, etc.

IDC 21 00:17:07.2, 0.2, 8:34S, 117:23E, h0km, mb3.9/5, mb1 4.0/6, mb1mx3.7/35, mbtmp3.9/6, ML3.5/1, MS3.3/1, Ms1 3.5/1, ms1mx2.5/36, Error ellipse: s-maj=50.8km s-min=22.6km az=70.0

ISC/JB 21 00:17:09.8, 1.2, 8:35S, 0:09:117:2E, 0.2, h33km, mb3.9/4, MS3.2/1, Error ellipse: s-maj=22.8km s-min=12.4km az=12.7

ISC 21 00:17:12.2, 1.6, 8:45S, 0:1:117:3E, 0.2, h35km, n7, az=48/7, Sumbawa region

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, ISC. Includes stations like KAPI Kappang, WRA Warramunga Arr, ASAR Alice Springs, etc.

1.8nm,0.7s,baz=186,slow=1.9,SNR=5.4
SONM Songino Array 56.77 31 P P 00 26 53.1 +0.2
0.8nm,0.7s,baz=168,slow=1.9,SNR=4.3

IDC 21 00:21:21.8.1.0,41:54S:174:38E,h0km,mb4.0/3,
mb1.4/1.5,mb1mx3.8/2.7,mbtm3.9/5,ML3.5/2,Error
ellipse: s-maj=30.7km s-min=19.0km az=128.0
WEL 21 00:21:24.1.42 S:14:17.4E: h5km,ML4.0/1,M4.6/14,
ML4.0/7,Error ellipse: s-maj=0.0km s-min=0.0km az=1.0
ISCJB 21 00:21:25.9.2.0,41:73S:0:04:174:43E:0:0,4,h15km,17km,
mb4.0/3,Error ellipse: s-maj=7.0km s-min=4.1km
az=159.8
ISC 21 00:21:24.8.0.9,41:66S:0:03:174:38E:0:03,h17km,6km,
n94,c1945/99,mb4.1/3,Cook Strait

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include CMWZ Cape Campbell, MSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RPZ Rata Peaks, RPZ Rata Peaks, TLZ Tolley Road, etc.

ISCJB 21 00:21:31.1.0.3,42:13S:0:04:173:89E:0:06,h17km,
mb4.2/4,Error ellipse: s-maj=8.5km s-min=2.8km az=38.5
WEL 21 00:21:32.2.1.0,41:53S:174:38E,h3km,29km,ML4.6/21,
mb35.2/ML5.15,MLV4.6/21,Mw(mB)4.6/2,Error ellipse:
s-maj=0.0km s-min=0.0km az=86.3
NEIC 21 00:21:32.2.0.0,42:14S:173:98E,h34km,ML4.6(WEL),
After WEL
IDC 21 00:21:36.7.1.3,41:33S:174:46E,h0km,mb4.2/1,
mb1.4/4,mb1mx4.0/2.5,mbtm3.4/2.4,MS3.9/1,M5.1.3/9/1,
m7.1mx3.1/2.1,Error ellipse: s-maj=36.4km s-min=29.3km
az=81.0
ISC 21 00:21:30.6.0.7,42:16S:0:03:174:08E:0:04,h17km,n75,
z=14771,mb4.2/4,Off east coast of South Island

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include CMWZ Cape Campbell, MSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include MTW Mount Morrison, LTZ Lake Taylor, OGWZ Otaki Gorge, etc.

IDC 21 00:20:38.5.2.0,41:61S:174:48E,h0km,mb3.6/2,
mb1.3/7.4,mb1mx3.6/2.1,mbtm3.5/4,ML3.1/2,Error
ellipse: s-maj=46.8km s-min=25.2km az=131.0
ISCJB 21 00:20:39.5.0.4,41:76S:0:03:174:39E:0:03,h18km,4km,
mb3.5/2,Error ellipse: s-maj=5.4km s-min=3.1km
az=139.0
WEL 21 00:20:39.6.42 S:1:174:4E:0:9,h14km,3km,M3.7/27,
ML4.0/21,MLV3.7/27,Error ellipse: s-maj=0.0km
s-min=0.0km az=157.8
ISC 21 00:20:38.7.1.2,41:69S:0:03:174:35E:0:03,h15km,9km,
n89,c1942/94,Cook Strait

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include CMWZ Cape Campbell, MSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RPZ Rata Peaks, RPZ Rata Peaks, WATZ Wairara, etc.

IDC 21 00:41:56.4.1.4,41:55S:174:23E,h0km,mb3.8/2,
mb1.3/9.4,mb1mx3.6/3.2,mbtm3.7/4,ML3.3/2,Error
ellipse: s-maj=40.7km s-min=19.7km az=134.0
WEL 21 00:41:58.3.42 S:1:174:3E:1:0,h14km,2km,M3.8/28,
ML4.0/19,MLV3.8/28,Error ellipse: s-maj=0.0km
s-min=0.0km az=138.8
ISC 21 00:41:57.7.1.5,41:62S:0:03:174:33E:0:03,h11km,12km,
n96,c1926/100,Cook Strait

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include CMWZ Cape Campbell, MSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

ISCJB 21 00:43:44.5.1.6,41:49S:174:49E,h0km,mb3.7/2,
mb1.3/9.3,mb1mx3.6/3.1,mbtm3.7/3,ML3.4/1,Error
ellipse: s-maj=42.7km s-min=23.1km az=132.0
ISCJB 21 00:43:48.3.0.4,41:68S:0:03:174:36E:0:04,h10km,
mb3.6/2,Error ellipse: s-maj=4.9km s-min=3.3km
az=148.3

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Rows include RPZ Rata Peaks, RPZ Rata Peaks, WATZ Wairara, etc.

21d 1h

WEL 21 00:43:48.0, 42°S, 174°4E:0.8, h11km, 2km, M3.6/21, ML3.0/17, MLv3.6/21, Error ellipse: s-maj=0.0km s-min=0.0km az=153.7

ISC 21 00:43:47.6, 0.41, 64S:0.03:174.37E:0.03, h10km, n41, c18/45, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

WEL 21 00:48:57.4, 41°6'S, 0.7:174.4E:0.6, h13km, 2km, M3.2/21, ML3.5/17, MLv3.2/21, Error ellipse: s-maj=0.0km s-min=0.0km az=133.7, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

WEL 21 00:49:09.1, 41°S:320.174E:7.4, h16km, 161km, M3.5/7, ML3.8/7, MLv3.5/7, Error ellipse: s-maj=0.5km s-min=0.1km az=0.3, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Waipukurau, Mangateitei, etc.

ISCJB 21 00:59:14.9, 0.5, 19°36'N:0.09:94°96'E:0.07, h97km, mb3.8/7, Error ellipse: s-maj=15.0km s-min=4.9km az=36.0

ISC 21 00:59:15.2, 2.7, 19°89'N:94°97'E, h82km, 25km, mb3.6/7, mb1 3.7/8, mb1mx3.4/4, mbtmp3.9/8, MS3.1/3, Ms1 3.2/3, ms1mx2.8/7, Error ellipse: s-maj=26.4km s-min=17.2km az=55.0

ISC 21 00:59:16.3, 0.8, 19°39'N:0.1:94°90'E:0.09, h97km, n22, c18/49, 24, mb3.9/7, Myanmark

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Chiang Mai, Mangateitei, etc.

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Table with columns: SHL, PBKT, NONG, JIRN, JIRN, PKI, PKI, DMN, GKN, MKAR, MKAR, SONM, KSRS, ZALV, ASAR, STKA, MATP, BOSB, TORO, TXAR. Lists seismic events with time, location, and magnitude.

ISCJB 21 01:14:13.2, 2.4, 41°8'S:0.3:174.6E:0.4, h10km, mb3.6/2, Error ellipse: s-maj=62.3km s-min=9.9km az=41.3

ISC 21 01:14:14.1, 1.6, 41°64'S:174.57E, h0km, mb3.7/2, mb1 3.8/4, mb1mx3.6/22, mbtmp3.6/4, ML3.0/2, Error ellipse: s-maj=44.2km s-min=24.2km az=134.0

ISC 21 01:14:16.3, 1.5, 41°17'S:0.2:174.5E:0.3, h10km, n6, c12/23, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Rata Peaks, Urewera, etc.

ISC 21 01:15:21.0, 1.0, 41°46'S:174.42E, h0km, mb4.2/3, mb1 4.3/5, mb1mx3.9/22, mbtmp4.1/5, ML3.6/2, MS3.7/1, Ms1 3.7/1, ms1mx2.9/17, Error ellipse: s-maj=27.9km s-min=21.8km az=123.0

ISCJB 21 01:23.4, 0.3, 41°74'S:0.03:174.40E:0.03, h10km, mb4.1/4, MS3.7/1, Error ellipse: s-maj=4.5km s-min=2.7km az=141.9

WEL 21 01:24.6, 41°6'S:0.6:174.4E:0.8, h17km, 2km, M4.3/23, ML4.0/19, MLv3.2/23, Error ellipse: s-maj=0.0km s-min=0.0km az=112.0

NEIC 21 01:25.9, 0.4, 61°60'S:174.37E, h13km, mb3.8/2, ML4.4(WEL), After WEL

ISC 21 01:25.5, 0.6, 41°62'S:0.03:174.37E:0.03, h10km, n86, c136/89, MB4.0/4, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

ISC 21 01:29:00.9, 2.3, 41°39'S:174.52E, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/19, mbtmp3.5/2, Error ellipse: s-maj=47.1km s-min=45.2km az=73.0, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Rata Peaks, Mangateitei, etc.

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Table with columns: AS31, ASAR, ASAR, WRA, WRA, QSPA, QSPA, YKA, YKA, YKB, YKB, KURB, KURB, DBIC, DBIC, ARAO, ARAO, ARCES, ARCES, BR101, BR101, BRTR, BRTR, TORO, TORO, THZ, THZ, TOA, TOA, FIAO, FIAO, FINES, FINES. Lists seismic events with time, location, and magnitude.

WEL 21 01:28.2, 2.4, 41°65.0'N:174.4E:0.9, h14km, 2km, M3.2/22, ML3.4/18, MLv3.2/22, Error ellipse: s-maj=0.0km s-min=0.0km az=133.7, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

ISC 21 01:29:00.9, 2.3, 41°39'S:174.52E, h0km, mb3.5/2, mb1 3.8/2, mb1mx3.5/19, mbtmp3.5/2, Error ellipse: s-maj=47.1km s-min=45.2km az=73.0, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Rata Peaks, Mangateitei, etc.

MOS 21 01:32:23.1, 1.2, 43°58'N:13°66'E, h10km, mb5.4/50, MS4.9/28, Error ellipse: s-maj=3.5km s-min=2.7km

ISCJB 21 01:32:23.0, 0.4, 43°52'N:0.008:13°75'E:0.008, h13km, 1km, mb5.0/126, MS4.9/59, Error ellipse: s-maj=1.3km s-min=0.9km az=13.1

ISC 21 01:32:23.5, 0.4, 43°56'N:13°71'E, h0km, mb4.6/33, mb1 4.7/49, mb1mx4.6/55, mbtmp4.6/49, ML4.2/15, MS4.7/46, Ms1 4.7/46, ms1mx4.6/56, Error ellipse: s-maj=9.0km s-min=8.7km az=175.0

Bull 21 01:32:23.0, 0.4, 43°73'N:13°64'E, h10km, mb5.0/60, mb5.3/38, MS5.3/48, MS7.5/0/44

ROM 21 01:32:24.0, 1.2, 43°50'N:0.006:13°72'E:0.01, h8km, ML4.9/21, Mw4.5, Error ellipse: s-maj=1.0km s-min=0.7km az=23.0, Moment Tensor Solution. Moment tensor: Scale 1016Nm. M1:1.88; M2:-1.55; M3:-0.33; M4:0.25; M5:1.73; M6:-0.87; Fault plane solution: M2:54787x10^16 NP1:282.00000; 841.00000; 1.55.00000. NP2:145.00000; 857.00000; 1.17.00000.

LDG 21 01:32:24.0, 1.2, 43°61'N:13°86'E, h8km, mb4.8/2, ML4.5/54, Error ellipse: s-maj=2.5km s-min=1.5km az=12.0

MED_RC 21 01:32:24.0, 0.2, 43°45'N:13°82'E, h14km, 1km, MW5.2/15, Moment Tensor Solution. Mantle waves: s15, c30; Duration: 1s3 Moment tensor. Scale 1019Nm; Mns: 1.2; 4.3; Mns: 3.0; 2.0; Mns: 1.9; 2.4; Mns: 0.4; 0.39; Mns: 4.9; 4.5; Mns: 3.2; Mns: 3.7; Mns: 0.00000; Mns: 36.00000; 1016 NP1:16.331.00000; 1.16.00000; 1.16.00000. NP2:109.00000; 841.00000; 1.56.00000. Principal axes: T 5.9900, Plg67.0000; Azm293.0000; N 1.7300, Plg22.0000; Azm13.0000; P -7.7300, Plg8.0000; Azm43.0000; nst1 refers to body waves. nst2 refers to surface waves, cutoff=35s.

NEIC 21 01:32:24.0, 0.4, 43°50'N:13°67'E, h8km, mb5.4/278, ML4.9(WEL), After ROM

NEIC Felt at Ancona, Ascoli Piceno, Castelbellino, Civitanova Marche, Fiano Romano, Macerata, Osimo, Perugia, Porto San Giorgio, Recanatoli and Sileri, 05.0

CRAAG 21 01:32:24.0, 43°53'N:13°71'E, Mw5.0, PDG 21 01:32:24.0, 0.8, 43°54'N:13°74'E, h1km, 1km, MD5.29, ML5.2/11, Error ellipse: s-maj=0.7km s-min=0.7km az=0.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

21d 1h

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Table with columns for station name, frequency, power, and other parameters. Includes stations like Bratogost, Matera, Rein, Abersmueckl, Moniti di Nese, Herceg Novi, Roskopf, and Unac-Piva.

Table with columns for station name, frequency, power, and other parameters. Includes stations like PCP, BERNI, NIKSIC, CEME, ARSA, WTTA, ROTM, FETA, MUGIO, RORO, RUDO, SALB, WATA, and SAOFA.

Table with columns for station name, frequency, power, and other parameters. Includes stations like SALB, PLE, BBLS, PDG, TTT, DAVOX, DRME, TUE, GBOS, MGRO, CET2, MOA, ULIC, MONC, MORH, and SAOFA.

KSP		e		01 35 33.1
HORT	Horiatias	7.58 109 P	Pn	01 34 14.5 -1.0
KFL	Anninita	7.61 133 P	Pn	01 34 14.8 -1.1
EVF	Ervytania	7.64 124 P	Pn	01 34 16.6 +0.2
SMF	Signal de Mont SNR=1.0	7.65 298 ePn	Pn	01 34 15.3 -1.1
SMF	comp=Z,172nm,0.5s,SNR=1.0	eSn	Sn	01 35 37.8 -5.2
SMF	Signal de Mont	7.65 298 ePn	Pn	01 34 15.3 -1.1
SMF	Signal de Mont	7.65 298 ePn	Pn	01 34 15.3 -1.1
ASH	Alteburg	7.65 329 P	Pn	01 34 16.9 +0.2
SFTF	Sextfontaines baz=132	7.66 311 ePn	Pn	01 34 15.2 -1.2
SFTF	comp=Z,69nm,0.4s	eSn	Sn	01 35 36.7 -6.4
SFTF	Sextfontaines	7.66 311 ePn	Pn	01 34 15.2 -1.2
SOH	Sokhos	7.66 107 P	Pn	01 34 16.1 -0.5
POV	Paravola	7.67 127 P	Pn	01 34 16.1 -0.6
LBL	Lubihac	7.68 277 P	Pn	01 34 16.7 -0.2
CJR	Cluj-Napoca	7.71 62 P	Pn	01 34 18.8 +1.6
SRS	Serrai	7.71 105 ePn	Pn	01 34 16.9 -0.4
SRS	Serrai	7.71 105 P	Pn	01 34 17.2 -0.1
TRPA	Tarpa	7.72 50 ePn	Pn	01 34 19.0 +1.7
TRPA		eSg	Sb	01 36 13.0 +2.2
TRPA		eSg	Sg	01 36 57.1 +2.4
MEZF	Maizieres J'vi baz=129,SNR=1.0	7.82 313 ePn	Pn	01 34 17.5 -1.2
MEZF	comp=Z,56nm,0.4s,baz=135,SNR=1.0	eSn	Sn	01 35 39.3 -7.9
MEZF	Maizieres J'vi	7.82 313 ePn	Pn	01 34 17.5 -1.2
CLL	Colim	7.83 357 eP	Pn	01 34 18.0 -0.8
CLL	comp=Z,97nm,0.6s	pmax	pmax	
CLL	Colim	7.83 357 ePn	Pn	01 34 18.0 -0.8
CLL	comp=Z,97nm,0.6s	e		01 34 27.0
CLL		e		01 34 58.0
CLL		eSn	Sn	01 35 29.0 -1.8
CLL		eSb	Sb	01 36 04.0 -1.0
CLL		e		01 36 31.0
CLL		eSg	Sg	01 36 39.0 +3.0
CLL	comp=Z,3um,2.0s	LmH		01 37 00.0
CLL	comp=N,4um,19.2s	LmH		01 37 00.0
CLL	comp=E,21um,18.2s	Lmax		01 38 00.0
NVR	Nevrokopi	7.83 102 P	Pn	01 34 19.1 +0.3
UZH	Uzhgorod	7.88 46 eS	Pn	01 34 22.0 +2.5
UZH		eS	Sn	01 35 52.0 +3.4
UZH	comp=N,2um,12.0s	MLR	MLR	
UZH	comp=E,850nm,12.0s	MLR	MLR	
UZH	comp=Z,900nm,12.0s	MLR	MLR	
LOR	Lormes	7.88 302 ePn	Pn	01 34 18.4 -1.1
LOR	Lormes	7.88 302 eP	Pn	01 34 19.1 -0.4
LOR	Lormes	7.88 302 ePn	Pn	01 35 42.8 -5.9
LOR	Lormes	7.88 302 ePn	Pn	01 34 19.1 -0.4
LOR	Lormes	7.88 302 P	Pn	01 34 19.2 -0.3
LOR	Lormes	7.88 302 ePn	Pn	01 34 19.1 -0.4
AGG	Agios Georgios	7.89 122 ePn	Pn	01 34 19.2 -0.5
AGG	Agios Georgios	7.89 122 eP	Pn	01 34 19.2 -0.5
AGG	Agios Georgios	7.89 122 eP	Pn	01 34 19.3 -0.5
PLG	Polygyros	7.91 110 P	Pn	01 34 19.1 -0.9
OJC	Ojcow	7.92 30 ePn	Pn	01 34 23.2 +3.2
OJC	Ojcow	7.92 30 ePn	Pn	01 35 47.5 -2.0
OJC	Ojcow	7.92 30 eP	Pn	01 36 27.0 -1.2
OJC	Ojcow	7.92 30 eP	Pn	01 36 51.7 +1.3
OJC	Ojcow	7.92 30 ePn	Pn	01 34 20.5 +0.5
OJC	Ojcow	7.92 30 eP	Pn	01 34 23.2 +3.2
OJC	Ojcow	7.92 30 eP	Pn	01 35 47.5
ANX	Ano Chora	7.92 125 P	Pn	01 34 20.1 -0.1
MAHO	Mahon	7.92 246 eP	Pn	01 34 20.9 +0.8
MAHO		eS	Sn	01 35 55.8 +6.2
ZKS	Zakynthos	7.92 135 P	Pn	01 34 18.4 -1.7
AGO	Saint Agoulin	7.94 292 P	Pn	01 34 19.4 -0.9
PYM	Petit Puy Mans	7.95 290 P	Pn	01 34 19.9 -0.6
PVB	Pleven	7.96 87 P	Pn	01 34 20.9 +0.3
SJAF	Saint Jean de Avril sur Loir SNR=1.0	7.99 266 ePn	Pn	01 34 22.1 +1.4
AVF	Avril sur Loir	8.01 298 ePn	Pn	01 34 20.2 -1.2
AVF	Avril sur Loir	8.01 298 ePn	Pn	01 35 46.7 -5.2
AVF	Avril sur Loir	8.01 298 ePn	Pn	01 34 20.2 -1.2
AVF	Saint Saulte	8.02 300 ePn	Pn	01 34 20.0 -1.4
SSF	comp=Z,108nm,0.6s,SNR=1.0	eSn	Sn	01 35 45.0 -7.0
SSF	Saint Saulte	8.02 300 ePn	Pn	01 34 20.0 -1.4
SSF	Saint Saulte	8.02 300 eP	Pn	01 34 20.0 -1.4
RLS	Rioles de Patr	8.02 130 P	Pn	01 34 20.7 -0.8
EMR	Baia Mare	8.02 55 ePn	Pn	01 34 23.8 +2.1
ARR	Arges	8.05 73 P	Pn	01 34 23.1 +1.4
KOLS	Kolonickie sedl	8.05 45 eP	Pn	01 34 23.1 +1.2
KOLS	comp=Z,1um,1.9s	eSn	Sn	01 34 23.1 +1.2
KOLS	Kolonickie sedl	8.05 45 ePn	Pn	01 34 23.1 +1.2
KOLS	Kolonickie sedl	8.05 45 eSg	Pn	01 36 28.3 -4.5
KOLS	Kolonickie sedl	8.05 45 eLg	Lg	01 37 41.8
WLF	Walferdange	8.06 323 P	Pn	01 34 23.3 +1.4
WLF		eSn	Sn	01 35 48.4 -4.6
SERG	Sergulva	8.12 126 P	Pn	01 34 22.5 -0.3
TRIZ	Trizonia	8.16 126 P	Pn	01 34 22.9 -0.4
KALE	Kalitheia	8.18 126 P	Pn	01 34 23.3 -0.4
LAKA	Lakka	8.19 127 P	Pn	01 34 23.2 -0.6
HUMR	Humele	8.20 179 P	Pn	01 34 24.8 +0.8
PLD	Plodiv	8.22 96 ePn	Pn	01 34 26.4 +0.3
DRO	Drossia	8.23 130 P	Pn	01 34 23.6 -0.8
BGF	Bois d'Agland SNR=1.0	8.27 295 ePn	Pn	01 34 23.8 -1.1
BGF	comp=N,144nm,0.5s	eSn	Sn	01 35 52.9 -5.3
BGF	Bois d'Agland	8.27 295 ePn	Pn	01 34 23.8 -1.1
BGF	Bois d'Agland	8.27 295 eP	Pn	01 34 23.8 -1.1
VOIR		8.35 73 P	Pn	01 34 26.6 +0.5
MTLF	Montolieu SNR=1.0	8.36 273 ePn	Pn	01 34 29.6 +3.5
MTLF	comp=N,25nm,0.9s	eSn	Sn	01 35 55.0 -5.4
MTLF	Montolieu	8.36 273 ePn	Pn	01 34 29.6 +3.5
COPA	Copaceanca	8.36 82 P	Pn	01 34 25.9 -0.2
CMAH	Djebel Manouch	8.38 217 P	Pn	01 34 30.1 +3.6
KEST	Kezra	8.45 205 Pn	Pn	01 34 30.0 +2.5
KEST	comp=N,4.9nm,0.3s,baz=294,slow=0.4,SNR=44	LR	LR	01 38 06.7
KEST	Kezra	8.45 205 ePn	Pn	01 34 31.3 +3.8
CAF	Calviac	8.47 284 ePn	Pn	01 34 27.3 -0.4
CAF		eSn	Sn	01 35 58.4 -4.9
CAF	comp=N,8.5nm,0.4s	eSn	Sn	01 34 27.3 -0.4
CAF	Calviac	8.47 284 ePn	Pn	01 34 27.3 -0.4
CAEH	'Ain El Ouahch	8.51 220 P	Pn	01 34 34.9 +6.7
TCF	Toulx Ste Croi SNR=1.0	8.61 293 ePn	Pn	01 34 28.6 -1.0
TCF	comp=N,37nm,0.5s	eSn	Sn	01 36 01.0 -5.8
TCF	Toulx Ste Croi	8.61 293 ePn	Pn	01 34 28.6 -1.0
TCF	Toulx Ste Croi	8.61 293 eP	Pn	01 34 28.6 -1.0
HYF	Humbigny	8.64 300 ePn	Pn	01 34 29.5 -0.5
HYF		eSn	Sn	01 36 01.5 -5.5
HYF	Humbigny	8.64 300 ePn	Pn	01 34 29.5 -0.5
ABSA	Djebel Abasbia	8.65 216 P	Pn	01 34 31.7 +1.4
DOPR	Dopca	8.69 69 P	Pn	01 34 31.9 +1.3
KWP	Kalwaria Pacla	8.72 42 eP	Pn	01 34 33.8 +2.7
KWP		eSb	Sb	01 36 16.9 +7.5
KWP		eSg	Sg	01 36 58.0 -6.8
KWP	Kalwaria Pacla	8.72 42 eP	Pn	01 34 33.8 +2.7
KWP		e		01 36 16.9
MEM	Membach	8.83 326 P	Pn	01 34 33.5 +0.9
MEM	comp=E,166nm,0.0s	eSn	Sn	01 36 10.2 -1.9
RJF	Les Rejaudoux SNR=1.0	8.90 286 ePn	Pn	01 34 33.4 -0.2
RJF		eSn	Sn	01 36 08.9 -4.9

RJF	comp=E,30nm,0.8s	eSg	Sg	01 37 06.2 -4.4
RJF	comp=E,485nm,1.9s	eSg	Sg	01 34 33.4 -0.2
RJF	Les Rejaudoux	8.90 286 ePn	Pn	01 34 33.4 -0.2
RJF	Les Rejaudoux	8.90 286 eP	Pn	01 34 33.4 -0.2
SGRR	Singurine	8.90 81 P	Pn	01 34 34.3 +0.7
ITM	Ithomi	8.91 132 ePn	Pn	01 34 33.1 -0.6
ELND	Elena	8.92 89 P	Pn	01 34 33.6 -0.2
GIVF	Givet	8.97 320 eP	Pn	01 34 37.0 +2.5
GIVF		eSn	Sn	01 36 07.7 -7.8
GIVF	Givet	8.97 320 ePn	Pn	01 34 37.0 +2.5
HGN	Heimangroev	8.98 327 ePn	Pn	01 34 36.5 +1.9
HGN	comp=E,151nm,0.8s	eSn	Sn	01 36 13.3 -2.4
HGN	Muntele Rosu	8.98 73 Pn	Pn	01 34 33.7 +2.0
HGN	comp=E,2.0nm,0.3s,baz=262,slow=L,SNR=29	Lg	Lg	01 37 08.6
MLR	comp=E,0.8nm,0.3s,baz=112,slow=1,SNR=4.4	Lg	Lg	01 34 35.4 +0.6
MLR	Muntele Rosu	8.98 73 Pn	Pn	01 34 35.4 +0.6
MLR	Muntele Rosu	8.98 73 P	Pn	01 34 35.9 +1.3
BCLA	Clavier	8.98 323 P	Pn	01 36 10.1 -5.7
BCLA		eSn	Sn	01 36 10.1 -5.7
BOUR	Bucovina Array	9.07 59 P	Pn	01 34 37.3 +1.4
DOU	Dourbes	9.07 320 P	Pn	01 34 37.6 +1.7
BEBN	Eben Emael	9.11 326 P	Pn	01 34 38.6 +2.3
BEBN		eSn	Sn	01 36 17.6 -1.2
CLF	Chambon-Foret	9.18 303 P	Pn	01 34 37.8 +0.5
BAIF	Baives	9.23 319 eP	Pn	01 34 40.3 +2.2
BAIF	SNR=1.0	eSn	Sn	01 36 14.6 -7.3
BAIF	comp=N,22nm,0.5s	eSn	Sn	01 34 40.3 +2.2
BAIF	Baives	9.23 319 ePn	Pn	01 34 40.3 +2.2
BAIF	Baives	9.23 319 eP	Pn	01 34 44.2 +3.7
BIZ	Biczac	9.41 64 P	Pn	01 34 40.5 0.0
LF	La Frestale	9.41 283 ePn	Pn	01 34 40.5 0.0
LF		eSn	Sn	01 36 21.7 -4.6
LF	comp=N,14nm,0.5s	eSn	Sn	01 34 40.5 0.0
LF	La Frestale	9.41 283 ePn	Pn	01 34 40.5 0.0
LF	La Frestale	9.41 283 eP	Pn	01 34 43.7 +1.9
LVV	L'vov	9.51 45 eP	Pn	01 34 45.2 +3.4
LVV		eS	Sn	01 36 34.5 +5.9
LVV	comp=E,16um,10.0s	MLR	MLR	
LVV	comp=Z,14um,10.0s	MLR	MLR	
LVV	comp=N,11um,9.0s	MLR	MLR	
PLOR	Plostina	9.53 71 P	Pn	01 34 43.2 +1.0
VRI	Vrincioia	9.58 71 P	Pn	01 34 44.4 +1.5
BEL	Belsk	9.61 27 eP	Pn	01 34 45.8 +2.6
BEL		eSn	Sn	01 36 40.0 +8.9
BEL		eSg	Sg	01 37 10.4
BEL		eSb	Sb	01 37 17.2
BEL		eSg	Sg	01 37 55.5
BEL	Belsk	9.61 27 eP	Pn	01 34 45.8 +2.6
BEL		e		01 36 40.0
WTSB	Winterswijk	9.65 334 ePn	Pn	01 34 43.9 +0.1
WTSB	comp=N,354nm,1.6s	ePn	Pn	01 34 43.8 -0.2
ENEZ	Enez	9.66 102 eP	Pn	01 34 48.9 +3.6
EPF	Esparrros	9.75 272 eP	Pn	01 36 28.6 -6.2
EPF		eSn	Sn	01 34 48.9 +3.6
EPF	comp=N,5.4nm,0.6s	ePn	Pn	01 34 48.9 +3.6
EPF	Esparrros	9.75 272 eP	Pn	01 34 48.9 +3.6
BOZC	Bozocada	9.94 107 eP	Pn	01 34 46.6 -1.2
GELI	Tayfur-Gelibol	10.01 104 eP	Pn	01 34 48.5 -0.3
KIRK	Kirkkireli	10.03 95 P	Pn	01 34 49.3 +0.3
KIRK		IAML_P		
GKP	Gorka Klasztor	10.05 12 eP	Pn	01 34 49.8 +0.5
GKP		eSn	Sn	01 36 21.9 -2.0
GKP		eSb	Sb	01 36 58.0
GKP		eSg	Sg	01 37 53.7
GKP	Gorka Klasztor	10.05 12 eSg	Pn	01 34 49.8 +0.5
GKP	Ezine	10.14 107 eP	Pn	01 34 49.4 -1.1
EZN	Ezine	10.14 107 P	Pn	01 34 49.5 -1.1
MFF	Saint Martin d SNR=1.0	10.27 292 ePn	Pn	01 34 51.2 -1.1
MFF	comp=Z,5.0nm,0.3s	eSn	Sn	01 36 41.0 -6.4
MFF	comp=Z,79nm,1.1s	eSg	Sg	01 37 47.6
MFF	Saint Martin d	10.27 292 ePn	Pn	01 34 51.2 -1.1
MFF	Saint Martin d	10.27 292 eP	Pn	01 34 51.2 -1.1
BAYC	CANNAKALE_Bayr0.33 107 P	IAML_P	Pn	01 34 53.4 +0.3
BAYC	comp=Z,921nm,0.3s	ePn	Pn	01 34 53.6 -0.1
PHSR	Pinarhisar	10.38 96 P	Pn	01 34 53.6 -0.1
TLB	Toplu	10.39 79 P	Pn	01 34 53.9 +0.4
SART	Tekirdag	10.41 101 P	Pn	01 34 55.3 +1.0
SART		IAML_P		
ETSF	Etatsut	10.43 272 eP	Pn	01 35 00.2 +5.7
ETSF	SNR=1.0	eSn	Sn	01 36 46.4 -4.9
CFR	Carcaiu	10.48 76 P	Pn	01 34 54.7 -0.5
AYVA	Ayvalik	10.62 109 P	Pn	01 34 59.1 +2.0
AYVA	comp=Z,557nm,0.3s	IAML_P		
TIRR	Tirgusor	10.66 80 ePn	Pn	01 34 56.9 -0.6
TIRR	Tirgusor	10.66 80 P	Pn	01 34 58.5 +1.0
TIRR	Tirgusor	10.66 80 eP	Pn	01 34 56.9

IZAR	comp=Z,7um,10.1s	14.68	29	eP	Pn	01 35 51.6	-0.9
SIM	Zarasai	14.72	77	dEP	Pn	01 35 51.3	-1.8
SIM	Simferopol'			S	Sn	01 38 42.1	+6.1
SIM	comp=Z,72nm,1.9s				pmax		
SIM	comp=Z,5um,11.0s				MLR		
ANTO	Ankara	14.72	98	ePn	Pn	01 35 53.4	+0.1
ANTO	Ankara	14.72	98	iP	Pn	01 35 52.1	-1.2
ANTO	Ankara	14.72	98	eP	Pn	01 35 53.4	+0.1
BZK	Bozkurt	15.01	89	eP	Pn	01 35 54.8	-2.2
CANT	Cankiri	15.08	94	eP	Pn	01 35 58.2	+0.1
LADK	Ladik-KONYA	15.08	104	eP	Pn	01 35 57.8	-0.3
MELI	Melilla	15.23	243	iP	Pn	01 35 58.7	-1.2
MELI	Melilla			eS	S	01 39 04.2	-1.2
EDMD	Edmundbyers	15.23	324	eP	Pn	01 35 58.7	-1.3
EDMD	Edmundbyers			IAMB	IAMB	01 36 00.9	
BR131	Keskin Array S	15.38	97	ePn	Pn	01 36 01.9	-0.3
BRTR	Keskin Array B	15.38	97	Pn	Pn	01 36 02.4	+0.2
BRTR	comp=Z,0.2nm,0.3s,baz=284,slow=10,SNR=30				LR	01 41 47.2	
EMAL	Malaga-Limoner	15.39	250	iP	Pn	01 36 03.0	+0.9
EMAL	Malaga-Limoner			eS	S	01 39 04.0	-4.8
MVO	Moncorvo	15.50	268	eP	Pn	01 36 07.8	-0.2
MVO	Moncorvo			eS	S	01 39 05.7	-5.4
WPS	Cemaes, Angles	15.57	316	eP	Pn	01 36 03.4	-0.9
WPS	Cemaes, Angles			IAMS_20	IAMS_20	01 43 25.1	
KESW	Keswick, Cumber	15.59	321	eP	Pn	01 36 03.5	-1.0
KESW	Keswick, Cumber			IAMS_20	IAMS_20	01 43 53.0	
BHH	Howats Hill	15.96	323	eP	Pn	01 36 09.2	-0.1
PVRL	Vila Real	15.97	269	eP	Pn	01 36 12.9	+0.3
POLO	comp=Z,224nm,1.5s	16.00	270	eP	P	01 36 13.6	0.0
POLO	Lamas de Oio			eS	S	01 39 04.2	-1.2
IOMK	Kirk Michael	16.08	318	eP	Pn	01 36 10.5	-0.3
IOMK	Kirk Michael			IAMB	IAMB	01 36 17.8	
IOMK	comp=Z,587nm,1.3s				IAMS_20	01 43 38.8	
EKA	Eskdalemuir Ar	16.08	323	Pn	Pn	01 36 09.5	-1.5
PCAB	Cabrill	16.09	271	eP	Pn	01 36 15.2	+0.7
ESK	Eskdalemuir	16.09	323	ePn	Pn	01 36 10.5	-0.6
ESK	Eskdalemuir			eS	S	01 39 04.2	-1.2
ESK	Eskdalemuir	16.09	323	eP	Pn	01 36 10.5	-0.6
ESK	Eskdalemuir			pmax	pmax		
MTE	Manteigas	16.09	266	eP	P	01 36 15.0	+0.4
MTE	Manteigas			eS	S	01 39 22.9	-0.4
PGAV	Gavieira, Arco	16.21	272	eP	P	01 36 14.9	-1.0
PCBR	Castelo Branco	16.23	264	eP	P	01 39 33.9	+8.3
PCBR	Castelo Branco			eS	S	01 36 15.0	-1.0
ESY	Stoneyphranch	16.24	326	eP	Pn	01 36 13.0	0.0
ESY	Stoneyphranch			eS	S	01 36 16.5	+0.1
PVIS	Viseu	16.25	268	eP	P	01 36 16.5	+0.1
IWEX	Carrickbyrne	16.29	310	eP	Pn	01 36 12.7	-1.0
IWEX	Carrickbyrne			IAMB	IAMB	01 36 21.8	
IWEX	comp=Z,225nm,2.1s				IAMS_20	01 44 03.4	
PMRV	Marv???	16.31	263	eP	Pn	01 36 13.2	-0.8
PMRV	Marv???			eS	S	01 39 22.7	-4.9
EBL	Broad Law	16.32	325	eP	Pn	01 36 13.2	-0.8
KONO	Kongsberg	16.37	353	ePn	Pn	01 36 14.6	+0.1
KONO	Kongsberg			eS	S	01 39 33.9	+8.3
KONO	Kongsberg	16.37	353	eP	Pn	01 36 14.8	+0.3
KONO	Kongsberg			pmax	pmax		
KONO	Kongsberg	16.37	353	eP	Pn	01 36 14.6	+0.1
DSB	Dublin	16.46	313	eP	Pn	01 36 16.2	+0.4
EDI	Edinburgh	16.48	325	eP	IAMB	01 36 15.9	-0.2
EDI	Edinburgh			IAMB	IAMB	01 36 24.3	
EDI	comp=Z,210nm,1.6s				IAMS_20	01 44 58.2	
CEU	Ceuta	16.50	249	eP	Pn	01 36 15.6	-0.8
CEU	Ceuta			eS	S	01 39 13.3	-5.6
OSL	Oslo	16.56	355	eP	Pn	01 36 16.3	-0.7
BEER	Bereket-Mersin	16.58	109	eP	P	01 36 20.4	+0.3
HFS	Hagfors	16.66	0	Pn	Pn	01 36 16.7	-1.6
HFS	Hagfors			eS	S	01 39 38.7	+1.8
HFS	Hagfors	16.66	0	Pn	Pn	01 36 23.7	+1.5
HFS	Hagfors			LR	LR	01 42 51.3	
KVT	Kavak	16.71	91	eP	Pn	01 36 18.5	-0.6
GMM	Mts of Mourne	16.74	317	eP	Pn	01 36 20.8	-0.8
SFS	San Fernando	16.77	252	iP	Pn	01 36 17.3	-2.5
SFS	San Fernando			eS	S	01 39 38.7	+1.8
COI	Coimbra	16.79	266	eP	P	01 36 23.7	+1.5
KEBE	Keben-Mersin	16.86	108	eP	P	01 36 26.6	+3.4
DRUM	Mabens of Drum	16.89	328	eP	P	01 36 22.1	-1.2
DRUM	Mabens of Drum			IAMB	IAMB	01 36 24.1	
DRUM	comp=Z,37nm,1.2s				IAMS_20	01 44 59.6	
PCAS	Casmilo, Conde	16.90	266	eP	P	01 36 22.8	-0.7
PTOM	Tomar	16.98	264	eP	P	01 36 25.2	+0.8
ODDI	Odda	16.99	348	eP	Pn	01 36 24.1	-0.2
VSDI	Vasula	17.03	24	eP	Pn	01 36 20.9	-2.0
VSDI	Vasula			IAMB	IAMB	01 36 36.1	
VSU	comp=Z,177nm,1.0s	17.03	24	eP	Pn	01 36 22.2	-0.8
VSU	Vasula			pmax	pmax		
PMTG	Montargil	17.05	262	eP	P	01 36 25.5	+0.4
ANN	Anapa	17.08	77	dIP	Pn	01 36 20.2	-3.4
ANN	Anapa			eS	S	01 39 31.4	-2.0
ANN	Anapa			pmax	pmax		
ANN	comp=Z,198nm,2.2s				MLR		
EVO	Evora	17.10	261	eP	Pn	01 36 24.4	+0.4
EVO	Evora			eS	S	01 36 22.3	-1.7
EVO	Evora	17.10	261	iP	Pn	01 36 22.3	-1.7
EAB	Aberfoyle	17.15	324	eP	Pn	01 36 25.7	-0.3
PBEJ	Beja	17.21	259	eP	P	01 36 27.9	+1.0
MERS	Mersin	17.22	106	eP	P	01 36 28.7	+1.6
ALMR	Almeirim	17.27	263	eP	P	01 36 27.7	+0.1
ALMR	Almeirim			Amb	Amb	01 36 32.7	
ALMR	Almeirim	17.27	263	eS	Pn	01 39 41.0	+3.0
ALMR	Almeirim			eP	Pn	01 36 28.1	+0.6
ALMR	Almeirim	17.27	263	eP	P	01 36 27.4	-0.1
ALMR	Almeirim			eS	S	01 39 41.0	+3.0
CLGH	Cloghs, Cushen	17.28	319	eP	Pn	01 36 26.0	-0.1
CLGH	Cloghs, Cushen			IAMS_20	IAMS_20	01 45 01.9	
TOKT	Tokat	17.29	93	eP	Pn	01 36 26.7	-1.2
NC602	NORSAR Array S	17.31	356	eP	Pn	01 36 25.4	-1.0
PVAQ	Vaqueiros	17.38	257	eP	Pn	01 36 29.5	+0.8
PVAQ	Vaqueiros			eS	S	01 39 54.0	+4.7
KARA	Karaisali	17.41	104	eP	P	01 36 30.5	+1.4
CSS	Mathiatis	17.41	113	ePn	Pn	01 36 26.4	-1.5
CSS	Mathiatis			eS	S	01 39 27.6	-0.3
CSS	Mathiatis	17.41	113	eP	Pn	01 36 27.4	-0.3
NAO01	NORSAR Array S	17.45	355	ePn	Pn	01 36 27.0	-0.8
PCVE	Castro Verde	17.50	258	eP	P	01 36 31.4	+1.3
SKAR	Skaralia	17.51	351	eP	P	01 36 30.0	-0.2
PBDV	Barranco-do-Ve	17.60	257	eP	P	01 36 34.1	+2.8
NB2	NORSAR Subarra	17.63	356	P	Pn	01 36 30.4	-0.1
NB2	NORSAR Subarra			comp=Z,192nm,1.7s,baz=174,slow=11			
NB2	NORSAR Subarra	17.63	356	P	Pn	01 36 30.4	-0.1

NOA	NORSAR Array B	17.63	356	P	Pn	01 36 30.1	-0.3
NOA	NORSAR Array B			comp=Z,0.1nm,0.3s,baz=170,slow=12,SNR=35			
PNCL	Nicolau / Gran	17.64	260	eP	P	01 36 32.8	+1.1
LIS	Lisbon	17.65	262	eP	P	01 36 34.1	+0.1
LIS	Lisbon			Amb	Amb	01 36 40.0	
LIS	Lisbon	17.65	262	eP	P	01 36 34.0	+0.1
PMAFR	Mafra	17.65	263	eP	P	01 36 34.6	+0.6
MDT	Midelt	17.68	239	P	Pn	01 36 35.0	+0.6
MDT	comp=Z,0.1nm,0.3s,baz=58,slow=13,SNR=10.0				LR	01 44 10.2	
NC204	NORSAR Array S	17.89	355	eP	Pn	01 36 32.7	-1.0
PTEO	Sao Teotonio	18.03	258	eP	P	01 36 38.0	+2.1
MORF	Marletele	18.08	258	eP	P	01 36 37.5	+0.9
MORF	Marletele			Amb	Amb	01 36 52.7	
MORF	comp=Z,58nm,2.4s				eS	01 40 00.8	+2.9
MORF	Marletele	18.08	258	eP	Sn	01 36 38.9	+2.3
MORF	Marletele			eS	S	01 36 37.4	+0.9
MORF	Marletele	18.08	258	eP	P	01 40 00.8	+2.9
MORF	Marletele			eS	S	01 36 40.8	+2.0
MORF	Vila Bisbo	18.29	257	eP	Sn	01 36 40.8	+2.0
KAC	Achnashellach	18.41	326	eP	Pn	01 36 39.4	-0.5
KPL	Plockton	18.45	325	eP	Pn	01 36 41.4	+0.9
KPL	Plockton			IAMB	IAMB	01 36 43.0	
KPL	comp=Z,191nm,1.7s				IAMS_20	01 46 14.4	
RTC	Rabat Centre	18.59	246	P	Pn	01 36 44.7	+2.3
ZHG	ZHG	18.78	244	P	Pn	01 36 48.0	+3.2
OBNSK	Obninsk	18.81	44	P	P	01 36 43.5	-0.8
OBNSK	Obninsk			comp=Z,1.0nm,0.3s,baz=223,slow=3.7,SNR=19			
OBNSK	Obninsk	18.81	44	eP	P	01 36 43.0	-1.4
OBNSK	Obninsk			comp=Z,265nm,1.4s			
OBNSK	Obninsk	18.81	44	eP	P	01 36 41.9	-2.5
OBNSK	Obninsk			eS	S	01 40 08.8	-6.3
OBNSK	Obninsk			pmax	pmax		
OBNSK	Obninsk			MLR	MLR		
OBNSK	Obninsk			MLR	MLR		
VSR	Storozhevoye	18.84	57	eP	Pn	01 36 43.4	-1.3
VSR	Storozhevoye			eS	S	01 40 08.9	-7.0

L49A	Milan	67.17 307	P	P	01 43 19.3 +0.4
T58A	Grand View Acr	67.18 300	P	P	01 43 19.1 0.0
M50A	Fremont	67.19 306	P	P	01 43 20.1 +1.1
O52A	Adamsville	67.27 304	eP	P	01 43 20.5 +0.9
O52A	Adamsville	67.27 304	P	P	01 43 19.6 +0.1
W61A	Ground Anchor	67.28 297	P	P	01 43 20.8 +1.1
SAIH	SAIHA	67.30 80	eP	Iamb	01 43 19.0 -1.2
SAIH	SAIH	67.30 80	Iamb	Iamb	01 43 23.4
F42A	Maple Grove Fa	67.33 312	P	P	01 43 20.2 +0.3
R55A	Marlington	67.35 302	P	P	01 43 20.9 +0.7
Q54A	Coxs Mills	67.36 303	P	P	01 43 20.7 +0.6
I45A	Fountain	67.38 310	P	P	01 43 21.1 +0.9
S56A	Natural Bridge	67.38 301	P	P	01 43 20.6 +0.3
P53A	Whipple	67.38 303	P	P	01 43 20.4 +0.1
BTO	Batout	67.44 55	eP	P	01 43 18.8 -2.0
J46A	Howard City	67.48 309	P	P	01 43 20.5 -0.3
TOLK	Toolik Lake Re	67.48 353	P	P	01 43 20.1 -0.4
U58A	Oxford	67.53 299	P	P	01 43 21.3 +0.1
K47A	Vermontville	67.53 308	P	P	01 43 20.8 -0.4
T57A	Hurt	67.60 300	P	P	01 43 22.2 +0.5
N50A	Nevada	67.64 305	P	P	01 43 22.2 +0.3
L48A	N Adams	67.66 307	P	P	01 43 22.5 +0.5
EYMN	Ely	67.69 315	P	P	01 43 22.4 +0.3
M49A	Liberty Center	67.69 306	P	P	01 43 22.7 +0.5
O51A	Pataskala	67.71 305	P	P	01 43 22.1 -0.3
V59A	Middlesex	67.72 299	P	P	01 43 22.6 +0.2
ZEA	Zeya	67.73 36	eP	Pmax	01 43 22.6 +0.4
ZEA	ZEA	67.73 36	Pmax	Pmax	
ZEA	ZEA	67.73 36	MLR	MLR	
ZEA	ZEA	67.73 36	MLR	MLR	
ZEA	ZEA	67.73 36	MLR	MLR	
P52A	Corning	67.74 304	P	P	01 43 22.9 +0.3
W60A	Pink Hill	67.82 298	P	P	01 43 23.7 +0.7
Q53A	Leroy	67.86 303	P	P	01 43 23.8 +0.5
S55A	Lewisburg	67.90 301	P	P	01 43 23.5 -0.2
FFC	Flin Flon	67.92 326	eP	P	01 43 24.0 +0.6
FFC	Flin Flon	67.92 326	eP	Pmax	01 43 24.0 +0.6
FFC	Flin Flon	67.92 326	Pmax	Pmax	
R54A	Victor	67.95 302	P	P	01 43 24.1 +0.2
H43A	Windswept, Lux	67.95 311	P	P	01 43 24.5 +0.7
K46A	Dorr	67.97 308	P	P	01 43 24.2 +0.3
U57A	Blanch	68.00 300	P	P	01 43 24.5 +0.3
T56A	Rocky Mt	68.07 301	P	P	01 43 24.9 +0.2
L47A	Sherwood	68.09 307	P	P	01 43 24.8 +0.1
EPYK	Eagle Plains	68.12 348	P	P	01 43 24.1 -0.4
N49A	Columbus Grove	68.16 306	P	P	01 43 25.5 +0.1
BLA	Blacksburg	68.20 301	P	P	01 43 26.0 +0.5
HHC	Hu-ho-hao-te	68.20 54	P	S	01 43 24.9 -0.7
HHC	HHC	68.20 54	S	S	01 52 26.5 +0.7
HHC	HHC	68.20 54	Pmax	Pmax	
HHC	HHC	68.20 54	Pmax	Pmax	
HHC	HHC	68.20 54	LR	LR	
HHC	HHC	68.20 54	LR	LR	
W59A	Clinton	68.22 298	P	P	01 43 25.7 +0.1
Q52A	Bidwell	68.24 303	P	P	01 43 26.0 +0.3
V58A	Windy Hill, Pi	68.26 299	P	P	01 43 25.9 +0.1
O50A	Cable	68.31 305	P	P	01 43 26.2 0.0
ULM	Lac du Bonnet	68.32 319	P	P	01 43 27.0 +1.0
ULM	Lac du Bonnet	68.32 319	P	P	02 12 40.0
ULM	Lac du Bonnet	68.32 319	P	P	01 43 27.0 +1.0
ULM	Lac du Bonnet	68.32 319	P	P	01 43 26.8 +0.2
PALK	Pallekele	68.39 101	LR	LR	02 16 43.6
P51A	Williamsport	68.40 304	P	P	01 43 27.2 +0.5
R53A	Hurricane	68.45 303	P	P	01 43 27.1 +0.1
E38A	The Farm, Brul	68.60 314	P	P	01 43 28.3 +0.5
N48A	Decatur	68.69 306	P	P	01 43 27.6 -0.9
O49A	Covington	68.71 306	P	P	01 43 27.8 -0.9
U56A	King	68.71 300	P	P	01 43 28.7 0.0
M47A	Cromwell	68.72 307	P	P	01 43 29.0 +0.4
G40A	Rib Lake	68.76 313	P	P	01 43 29.1 +0.3
P50A	Jamestown	68.76 305	P	P	01 43 28.7 -0.3
Q51A	Peebles	68.86 304	P	P	01 43 29.9 +0.3
R52A	Cattlettsburg	68.87 303	P	P	01 43 30.2 +0.5
SEY	Seymour	68.91 191	eP	P	01 43 30.1 +0.7
I42A	Draeger Farm,	68.95 311	P	P	01 43 29.6 -0.5
S53A	Williamson	68.96 302	P	P	01 43 30.2 -0.1
OPO	Ambohidratompo	68.99 146	LR	LR	02 16 50.0
T54A	Tazewell	69.01 301	P	P	01 43 30.7 0.0
U55A	TAD, Sparta	69.03 301	P	P	01 43 30.3 -0.5
O48A	Farmland	69.15 306	P	P	01 43 31.3 -0.1
X58A	Rowland	69.17 298	P	P	01 43 31.9 +0.3
W57A	Gilead	69.22 299	P	P	01 43 32.0 +0.2
G39A	Holcombe	69.26 313	P	P	01 43 31.6 -0.4
Q50A	Georgetown	69.35 304	P	P	01 43 31.7 -0.9
P49A	Miami Univ. Ec	69.35 305	P	P	01 43 32.6 0.0
K43A	Burlington	69.40 310	P	P	01 43 33.0 +0.1
R51A	Hillsboro	69.46 304	P	P	01 43 34.2 +0.9
U54A	Nelsons Funny	69.50 301	P	P	01 43 33.5 -0.2

L44A	Lake County Fo	69.51 309	P	P	01 43 33.5 0.0
CD2	Chengdu	69.52 67	J/P	S	01 43 32.3 -1.5
CD2	Chengdu	69.52 67	J/P	S	01 52 42.8 +1.3
CD2	Chengdu	69.52 67	Pmax	Pmax	
CD2	Chengdu	69.52 67	Pmax	Pmax	
CD2	Chengdu	69.52 67	LR	LR	
CD2	Chengdu	69.52 67	LR	LR	
CD2	Chengdu	69.52 67	LR	LR	
CD2	Chengdu	69.52 67	LR	LR	
SS2A	Salyersville	69.55 303	P	P	01 43 33.6 -0.3
V55A	Taylorville	69.55 300	P	P	01 43 33.8 -0.1
W56A	Indian Trail	69.60 299	P	P	01 43 35.1 +0.9
AGMN	Agassiz Nation	69.64 318	eP	P	01 43 34.7 +0.5
T53A	Wise	69.66 302	P	P	01 43 35.0 +0.4
Y58A	Scranton	69.79 298	P	P	01 43 35.6 +0.2
Q49A	Aurora	69.80 305	P	P	01 43 34.5 -0.8
T52A	Hallie	69.85 302	P	P	01 43 36.3 +0.5
R50A	Paris	69.92 304	P	P	01 43 36.5 +0.3
V54A	Nebo	70.06 301	P	P	01 43 37.0 0.0
KM5C	Kings Mountain	70.07 300	P	P	01 43 37.4 +0.3
U53A	Fall Branch	70.08 301	P	P	01 43 37.7 +0.5
M44A	Midewin, Midew	70.10 308	P	P	01 43 38.0 +0.6
Z58A	St. Stephen	70.25 297	P	P	01 43 38.6 +0.4
X56A	White Oak	70.30 299	P	P	01 43 38.0 -0.5
JFWS	Jewell Farm	70.33 311	P	P	01 43 38.2 -0.4
Q48A	North Vernon	70.35 305	P	P	01 43 38.7 0.0
T51A	Gratz	70.53 303	P	P	01 43 40.8 +0.9
U52A	Thorn Hill	70.55 302	P	P	01 43 40.9 +0.9
TZTN	Tazewell	70.56 302	P	P	01 43 40.6 +0.4
L42A	Oliver, Polo	70.61 310	P	P	01 43 40.3 0.0
W54A	Cherokee Point	70.65 300	P	P	01 43 40.6 -0.1
V53A	Saluda	70.67 301	P	P	01 43 41.0 +0.2
X55A	Gracelyn & Ava	70.69 299	P	P	01 43 41.3 +0.4
POKR	Polk Plat Res	70.72 352	P	P	01 43 40.6 0.0
Z57A	Bowman	70.85 298	P	P	01 43 42.9 +1.0
XAN	XAN	70.91 61	P	P	01 43 42.3 0.0
XAN	XAN	70.91 61	pP	sP	01 43 46.9 -0.3
XAN	XAN	70.91 61	sP	pP	01 43 49.3 +3.4
XAN	XAN	70.91 61	PcP	PcP	01 44 02.9 +0.1
XAN	XAN	70.91 61	S	S	01 52 53.4 -4.3
XAN	XAN	70.91 61	SKS	SKS	01 53 38.8 -6.0
XAN	XAN	70.91 61	Pmax	Pmax	
XAN	XAN	70.91 61	Pmax	Pmax	
XAN	XAN	70.91 61	LR	LR	
XAN	XAN	70.91 61	LR	LR	
XAN	XAN	70.91 61	LR	LR	
U51A	La Follette	70.96 302	P	P	01 43 42.6 +0.1
ILAR	Eielson Array	71.00 351	P	P	01 43 43.2 +0.9
COLA	College	71.00 352	eP	P	01 43 43.2 +1.0
COLA	College	71.00 352	Pmax	Pmax	
V52A	Sevierville	71.04 302	P	P	01 43 43.4 +0.3
H50A	Nancy	71.04 303	P	P	01 43 43.2 +0.2
X54A	Belton	71.11 300	P	P	01 43 42.7 -0.7
WCI	Wyandotte Cave	71.14 305	eP	P	01 43 44.3 +0.8
WCI	Wyandotte Cave	71.14 305	eP	P	01 43 44.3 +0.8
WCI	Wyandotte Cave	71.14 305	Pmax	Pmax	
WCI	Wyandotte Cave	71.14 305	Pmax	Pmax	
WCI	Wyandotte Cave	71.14 305	P	P	01 43 43.8 +0.2
Y55A	Saluda	71.18 299	P	P	01 43 44.3 +0.4
W53A	Cullowhee	71.21 301	P	P	01 43 44.1 -0.1
Z56A	Williston	71.26 298	P	P	01 43 44.2 -0.1
TKL	Tuekaleschee C	71.27 302	LR	LR	02 14 24.5
HDA	Harding Lake	71.36 351	P	P	01 43 44.7 +0.2
MA2	Magadan	71.38 21	eP	Pmax	01 43 46.6 +1.9
MA2	Magadan	71.38 21	Pmax	Pmax	
BJI	Beijing	71.41 52	P	S	01 43 47.3 +2.1
BJI	Beijing	71.41 52	S	S	01 53 06.5 +3.3
BJI	Beijing	71.41 52	Pmax	Pmax	
BJI	Beijing	71.41 52	LR	LR	
BJI	Beijing	71.41 52	LR	LR	
BJI	Beijing	71.41 52	LR	LR	
T49A	Edmonton	71.44 314	P	P	01 43 44.7 -0.6
L40A	Anamosa	71.44 301	P	P	01 43 45.1 -0.2
U50A	Jamestown	71.44 303	P	P	01 43 45.4 0.0
M41A	Milan	71.52 310	P	P	01 43 46.2 +0.4
V51A	Loudon	71.53 302	P	P	01 43 46.1 +0.1
X53A	Estanolle	71.72 300	P	P	01 43 46.4 -0.8
MDND	Maddock	71.75 319	P	P	01 43 46.8 -0.4
Y54A	Tignal	71.75 299	P	P	01 43 47.4 +0.1
156A	Sylvania	71.77 298	P	P	01 43 47.4 0.0
OLIL	Olney	71.87 306	eP	P	01 43 48.5 +0.6
U49A	Red Boiling Sp	71.95 303	P	P	01 43 48.2 -0.2
X52A	Dahlonega	72.03 301	P	P	01 43 48.7 -0.3
V50A	Pikeville	72.08 302	P	P	01 43 49.4 +0.1
P43A	Skaggs, Pawnee	72.10 308	P	P	01 43 48.9 -0.4
N41A	Harden Midland	72.14 309	P	P	01 43 49.7 +0.1
W51A	Cleveland	72.21 302	P	P	01 43 50.6 +0.6
Z54A	Sparta	72.25 299	P	P	01 43 50.4 +0.1
Y53A	Monroe	72.32 300	P	P	01 43 50.6 -0.2
155A	Kite	72.41 298	P	P	01 43 51.9 +0.6
N40A	Mertouake, Sal	72.43 310	P	P	01 43 50.8 -0.4
T47A	Sharon Grove	72.44 304	P	P	01 43 51.0 -0.4

KMI	Kunning	72.51 72	P	P	01 43 51.8 -0.5
KMI	KMI	72.51 72	pP	pP	01 43 54.3 -1.6
KMI	KMI	72.51 72	Pmax	Pmax	
KMI	KMI	72.51 72	Pmax	Pmax	
KMI	KMI	72.51 72	LR	LR	
KMI	KMI	72.51 72	LR	LR	
KMI	KMI	72.51 72	LR	LR	
V49A	McMinnville	72.51 303	P	P	01 43 51.8 -0.1
W50A	Signal Mountai	72.52 302	P	P	01 43 51.7 -0.3
GOGA	Godfrey	72.54 300	P	P	01 43 52.6 +0.5
BOSA	Bosho	72.54 169	P	P	01 43 51.2 -0.8
BOSA	Bosho	72.54 169	LR	LR	02 18 57.5
Y52A	Lilburn	72.62 300	P	P	01 43 53.1 +0.6
SCIA	State Center	72.63 312	P	P	01 43 52.4 -0.1
Z53A	Monticello	72.69 299	P	P	01 43 53.0 +0.1
CASST	Castle Rocks	72.83 353	eP	P	01 43 53.4 +0.1
154A	Montrose	72.83 299	P	P	01 43 53.7 -0.1
255A	Hazlehurst	72.87 298	P	P	01 43 53.7 -0.3
T46A	Princeton	72.87 305	P	P	01 43 53.6 -0.4
U47A	Belvidere	72.91 304	P	P	01 43 53.7 -0.5
KLR	Kul'dur	72.93 37	d/P	Pmax	01 43

21d 1h

Table with columns: Call sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like 555A McAlpin, 454A Quitman, 474A Michie, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like B05A Bryant, WMOK Wichita Mounta, Q24A Divide, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like BC3 Big Chuckwall, 214A Organ Pipe Nat, EDW2 Edwards Air Fo, etc.

IDC 21 01:51:19.2-2.0,6:45S,128:96E,h0km,mb4.4/1,mb1 4.4/3,mb1mx3.7/28,mbtmp4.3/3,ML4.1/2,Error ellipse: s-maj=137.4km s-min=29.9km az=67.0,Banda Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, Res. Includes stations WARRAMUNGA ARR, WRA, ASAR Alice Springs, ASAR, MKAR Makanchi Array.

ROM 21 02:08:05.9-0.0,43:360N,0:002:12:536E,0:003,h10km,ML1.4/17,Error ellipse: s-maj=0.2km s-min=0.0km az=222.0

ISC/JB 21 02:08:06.6-0.5,43:35N,0:02:12:53E,0:04,h11km,3km,Error ellipse: s-maj=4.7km s-min=3.7km az=140.7

ISC 21 02:08:06.0-0.9,43:35N,0:03:12:51E,0:03,h12km,6km,n23,σ1909/33,Central Italy

Main table for the left column containing station data for ATVO, MURB, ATPI, ATMI, PIEI, ATCC, FOSV, PCRO, CIMA, SENI.

Main table for the middle column containing station data for FOSV, SSFR, FRON, BADI, ASSB, MPAG, PE3, FSSB, FDMO, MGAB, DUGI, NOVALIJA, ZIRJE, MORI, UDBINA, HVAR.

ROM 21 02:08:25.2-0.3,43:51N,0:01:13:73E,0:02,h8km,ML2.0/17,Error ellipse: s-maj=2.2km s-min=0.8km az=56.0,Central Italy

Table for the bottom middle column containing station data for AOI, PCRO, CIMA, SENI.

Main table for the right column containing station data for CING, SNTG, FDMO, MPAG, FOSV, CESI, NRCA, PIEI, ASSB, PE3, SAN MARTINO, LNSS, PARC.

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Table with columns for station name, frequency, and other parameters. Includes stations like PE3, TERO, SMA1, ATVO, LNNS, MOMA, PARC, ARRO, VCEL, AQU, T1014, CESX, and DUGI.

2013 JUL

Table with columns for station name, frequency, and other parameters. Includes stations like DUGI, CAFI, MGAB, FIAM, CAFR, SACS, NVLJ, INTR, LPEL, ZIRJ, MORI, UDDB, RIJKA, RIV, HVAR, SKDS, CEY, MAKA, OZLJ, LJU, LJU, CRES, BLY, STON, OBKA, MYKA, SOKA, ABTA, DBR, TREB, KBA, KBA, ROSI, ROSI, ROSI, ROSI, UPM, ARSA, ARSA, WTTA, WTTA.

21d 2h

Table with columns for station name, frequency, and other parameters. Includes stations like FETA, SQTA, WATA, RUDO, MOTA, PDG, DRME, MOA, RETA, SBF, SBF, DAVA, CONA, CONA, FRF, LMR, LMR, LPG, LPL, LPL, ORIF, ORIF, CABF, CABF, HNF, HNF, CDF, CDF, HAU, HAU, LOR, LOR, SVSA, PICO, PICO, ROSA, ROSA, ROSA, ROSA, HOR, HOR, PMAN, PMAN, PMAN, CALA, CALA, PCED, PCED, PCED, PGRA, PGRA, ADH, ADH, ADH, PSCM, PSCM, PSCM, PSET, PSET, PSET, PDA, PDA, CMLA, CMLA, CMLA, PCALD, PCALD, PCALD, BART, BART, BART, PSMA, PSMA, PSMA, PSMN, PSMN, PSMN, CMWZ, CMWZ, BSWZ, BSWZ, TUWZ, TUWZ, TUWZ, THZ, THZ, PLWZ, PLWZ, MSWZ, CAW, PAWZ, NINZ, DUWZ, MTW, KHZ, GOWZ, TRWZ, THZ, HOWZ, TMWZ, MRZ, TIWZ, CPWZ, QWZ, QWZ.

21d 3h

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

ISC 21 02:21:52.3z, 2.1, 0.58N, 67.22E, h0km, mb3.9/4, mb1 4.2/4, mb1mx3.5/30, mbtmp3.9/4, Error ellipse: s-maj=63.5km

ISCJB 21 02:21:53.1z, 1.4, 0.6N, 67.27E, h10km, mb4.1/6, Error ellipse: s-maj=26.9km, s-min=20.8km, az=155.3

NEIC 21 02:21:53.5z, 0.8, 0.58N, 67.18E, h10km, mb4.3/3, Error ellipse: s-maj=25.1km, s-min=22.7km, az=204.0

ISC 21 02:21:56.2z, 1.6, 0.6N, 67.6E, h2.0, h10km, n15, r123/12, mb4.2/6, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KAAM, H08N2, H08N3, etc.

SOME 21 02:32:56.3, 44.47N, 81.48E, h15km, NNC 21 02:32:57.6, 44.53N, 81.37E, h0km, mb3.8, mpv3.6, Error ellipse: s-maj=7.1km, s-min=3.2km, az=122.2

ISC 21 02:32:56.3z, 1.0, 44.49N, 81.48E, 0.04, h10km, n46, r183/70, 12C-BD, Northern Xinjiang

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

2013 JUL

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, ISC. Includes stations like UZB, TDK, MNBS, etc.

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

MURB	comp=E,17150µm,1.6s	AML	AML						
MURB	comp=N,18100µm,1.0s	AML	AML						
MURB	comp=E,16250µm,1.6s	AML	AML						
MURB	comp=N,16300µm,1.0s	AML	AML						
MURB	comp=E,17150µm,1.6s	AML	AML						
MURB	comp=N,18100µm,1.0s	AML	AML						
MURB	comp=N,16300µm,1.0s	AML	AML						
MURB	comp=E,16250µm,1.6s	AML	AML						
MURB	comp=E,17150µm,1.6s	AML	AML						
MURB	comp=N,18100µm,1.0s	AML	AML						
ASSB	Assisi San Ben	0.87 239	P	Pg				03 07 41.3 -1.0	
ASSB	comp=N,8790µm,0.5s	AML	AML						
ASSB	comp=N,10250µm,0.7s	AML	AML						
ASSB	comp=E,8790µm,0.5s	AML	AML						
ASSB	comp=N,10250µm,0.7s	AML	AML						
ASSB	comp=E,8790µm,0.5s	AML	AML						
ASSB	comp=N,10250µm,0.7s	AML	AML						
ASSB	comp=E,8790µm,0.5s	AML	AML						
PE3	comp=N,10250µm,0.7s	AML	AML						
PE3	Peglio	0.88 283	P	Pg				03 07 42.5 +0.1	
PE3	comp=E,11535µm,0.5s	AML	AML						
PE3	comp=N,16150µm,1.2s	AML	AML						
PE3	comp=E,11530µm,0.5s	AML	AML						
PE3	comp=N,16150µm,1.2s	AML	AML						
PE3	comp=E,11530µm,0.5s	AML	AML						
PE3	comp=N,16150µm,1.2s	AML	AML						
PE3	comp=E,11530µm,0.5s	AML	AML						
TERO	Teramo	0.88 183	P	Pg				03 07 41.0 -1.5	
TERO	comp=E,14100µm,0.6s	AML	AML						
TERO	comp=N,11400µm,1.3s	AML	AML						
TERO	comp=E,5810µm,0.6s	AML	AML						
TERO	comp=N,4695µm,1.3s	AML	AML						
TERO	comp=E,14100µm,0.6s	AML	AML						
TERO	comp=E,5810µm,0.6s	AML	AML						
TERO	comp=N,4695µm,1.3s	AML	AML						
TERO	comp=N,11400µm,1.3s	AML	AML						
TERO	comp=E,14100µm,0.6s	AML	AML						
TERO	comp=E,5810µm,0.6s	AML	AML						
TERO	comp=N,11400µm,1.3s	AML	AML						
TERO	comp=N,4695µm,1.3s	AML	AML						
SMA1	SAN MARTINO	0.91 196	P	Pg				03 07 41.4 -1.5	
SMA1	comp=E,28000µm,0.8s	AML	AML						
SMA1	comp=N,43950µm,0.6s	AML	AML						
SMA1	comp=E,28000µm,0.8s	AML	AML						
SMA1	comp=N,43950µm,0.6s	AML	AML						
SMA1	comp=E,28000µm,0.8s	AML	AML						
ATPI	Pietralunga	0.93 267	P	Pg				03 07 42.4 -0.9	
ATPI	comp=E,4275µm,0.7s	AML	AML						
ATPI	comp=N,5870µm,0.7s	AML	AML						
ATPI	comp=E,4275µm,0.7s	AML	AML						
ATPI	comp=N,5880µm,0.7s	AML	AML						
ATPI	comp=E,4275µm,0.7s	AML	AML						
ATPI	comp=N,5880µm,0.7s	AML	AML						
ATPI	comp=E,4275µm,0.7s	AML	AML						
ATPI	comp=N,5880µm,0.7s	AML	AML						
ATPI	comp=E,4275µm,0.7s	AML	AML						
ATVO	AVT- Monte Val	0.93 263	P	Pg				03 07 42.5 -0.9	
ATVO	comp=E,4725µm,1.2s	AML	AML						
ATVO	comp=N,4360µm,1.3s	AML	AML						
ATVO	comp=E,4725µm,1.2s	AML	AML						
ATVO	comp=N,4365µm,1.3s	AML	AML						
ATVO	comp=E,4725µm,1.2s	AML	AML						
ATVO	comp=N,4365µm,1.3s	AML	AML						
ATVO	comp=E,4725µm,1.2s	AML	AML						
ATVO	comp=N,4365µm,1.3s	AML	AML						
ATVO	comp=E,4725µm,1.2s	AML	AML						
RSM	Repubblica di	0.98 296	P	Pg				03 07 45.1 +0.3	
RSM	comp=N,6050µm,0.9s	AML	AML						
RSM	comp=E,4575µm,1.0s	AML	AML						
RSM	comp=N,6050µm,0.9s	AML	AML						
RSM	comp=E,4575µm,1.0s	AML	AML						
RSM	comp=N,6050µm,0.9s	AML	AML						
RSM	comp=E,4575µm,1.0s	AML	AML						
RSM	comp=N,6050µm,0.9s	AML	AML						
ATTE	AVT- Monte Tez	1.01 253	P	Pb				03 07 45.1 +0.3	
ATTE	comp=E,4900µm,0.4s	AML	AML						
ATTE	comp=N,7430µm,1.6s	AML	AML						
ATTE	comp=E,4900µm,0.4s	AML	AML						
ATTE	comp=N,7425µm,1.6s	AML	AML						
ATTE	comp=E,4900µm,0.4s	AML	AML						
ATTE	comp=N,7425µm,1.6s	AML	AML						
ATTE	comp=E,4900µm,0.4s	AML	AML						
ATTE	comp=N,7425µm,1.6s	AML	AML						
LNSS	Leonessa	1.01 207	P	Pb				03 07 43.4 -1.4	
LNSS	comp=E,21200µm,0.8s	AML	AML						
LNSS	comp=N,19750µm,0.6s	AML	AML						

LNSS	comp=E,21200µm,0.8s	AML	AML						
LNSS	comp=N,19750µm,0.6s	AML	AML						
LNSS	comp=E,21200µm,0.8s	AML	AML						
LNSS	comp=N,19750µm,0.6s	AML	AML						
LNSS	comp=E,21200µm,0.8s	AML	AML						
LNSS	comp=N,19750µm,0.6s	AML	AML						
CPGN	Carpegna, Ital	1.03 287	AML	AML					
CPGN	comp=E,4725µm,0.7s	AML	AML						
CPGN	comp=N,5275µm,1.1s	AML	AML						
CPGN	comp=E,4865µm,0.7s	AML	AML						
CPGN	comp=N,5270µm,1.1s	AML	AML						
CPGN	comp=N,5275µm,1.1s	AML	AML						
CPGN	comp=N,5270µm,1.1s	AML	AML						
CPGN	comp=E,4865µm,0.7s	AML	AML						
CPGN	comp=E,4725µm,0.7s	AML	AML						
CPGN	comp=N,5275µm,1.1s	AML	AML						
CPGN	comp=N,5270µm,1.1s	AML	AML						
CPGN	comp=E,4725µm,0.7s	AML	AML						
CPGN	comp=N,5275µm,1.1s	AML	AML						
CPGN	comp=N,5270µm,1.1s	AML	AML						
ATMI	Monte Miggiano	1.04 261	P	Pb				03 07 45.2 0.0	
ATMI	comp=E,6645µm,1.0s	AML	AML						
ATMI	comp=N,10850µm,0.9s	AML	AML						
ATMI	comp=N,10850µm,0.9s	AML	AML						
ATMI	comp=E,6645µm,1.0s	AML	AML						
ATMI	comp=N,10850µm,0.9s	AML	AML						
ATMI	comp=N,10850µm,0.9s	AML	AML						
BADI	Badiali	1.04 271	P	Pb				03 07 44.5 -0.7	
PARC	Parchiule	1.05 278	P	Pb				03 07 44.8 -0.6	
PARC	comp=E,3140µm,1.1s	AML	AML						
PARC	comp=N,3235µm,0.6s	AML	AML						
PARC	comp=E,3140µm,1.1s	AML	AML						
PARC	comp=N,3235µm,0.6s	AML	AML						
PARC	comp=N,3235µm,0.6s	AML	AML						
PARC	comp=E,3140µm,1.1s	AML	AML						
PARC	comp=N,3235µm,0.6s	AML	AML						
PARC	comp=N,3235µm,0.6s	AML	AML						
MOMA	Monte Martano	1.07 229	P	Pb				03 07 44.7 -1.1	
MOMA	comp=E,6215µm,0.9s	AML	AML						
MOMA	comp=N,10110µm,1.3s	AML	AML						
MOMA	comp=E,6390µm,0.9s	AML	AML						
MOMA	comp=N,10500µm,1.3s	AML	AML						
MOMA	comp=E,6390µm,0.9s	AML	AML						
MOMA	comp=N,10500µm,1.3s	AML	AML						
MOMA	comp=N,10500µm,1.3s	AML	AML						
MOMA	comp=N,10110µm,1.3s	AML	AML						
MOMA	comp=E,6215µm,0.9s	AML	AML						
MOMA	comp=E,6390µm,0.9s	AML	AML						
MOMA	comp=N,10500µm,1.3s	AML	AML						
MOMA	comp=N,10110µm,1.3s	AML	AML						
MOMA	comp=E,6215µm,0.9s	AML	AML						
MOMA	comp=E,6390µm,0.9s	AML	AML						
MOMA	comp=N,10500µm,1.3s	AML	AML						
MOMA	comp=N,10110µm,1.3s	AML	AML						
BLLA	Bellaria	1.08 307	AML	AML					
BLLA	comp=N,5890µm,0.9s	AML	AML						
BLLA	comp=E,5240µm,1.4s	AML	AML						
BLLA	comp=N,5890µm,0.9s	AML	AML						
BLLA	comp=N,5890µm,0.9s	AML	AML						
BLLA	comp=E,5240µm,1.4s	AML	AML						
BLLA	comp=N,5890µm,0.9s	AML	AML						
VCEL	Villa Celiera	1.11 174	P	Pb				03 07 46.3 -0.3	
VCEL	comp=E,19300µm,0.9s	AML	AML						
VCEL	comp=N,17200µm,0.7s	AML	AML						
VCEL	comp=N,17200µm,0.7s	AML	AML						
VCEL	comp=E,19300µm,0.9s	AML	AML						
VCEL	comp=N,17200µm,0.7s	AML	AML						
VCEL	comp=N,17200µm,0.7s	AML	AML						
VCEL	comp=E,19300µm,0.9s	AML	AML						
DUGI	Dugi Otok	1.12 64	i P	Pb				03 07 45.8 -0.8	
DUGI	comp=N,4250µm,1.4s	AML	AML						
SSP9	Sansepolcro	1.12 274	AML	AML				03 08 01.3 -0.6	
SSP9	comp=E,4250µm,1.4s	AML	AML						
SSP9	comp=N,4205µm,1.2s	AML	AML						
SSP9	comp=N,4205µm,1.2s	AML	AML						
SSP9	comp=N,4205µm,1.2s	AML	AML						
SSP9	comp=E,4250µm,1.4s	AML	AML						
SSP9	comp=N,4205µm,1.2s	AML	AML						
SSP9	comp=N,4205µm,1.2s	AML	AML						
ARRO	Arrone	1.14 216	P	Pb				03 07 45.8 -1.1	
ARRO	comp=E,7795µm,1.1s	AML	AML						
ARRO	comp=N,8815µm,1.0s	AML	AML						
ARRO	comp=N,8815µm,1.0s	AML	AML						
ARRO	comp=E,7795µm,1.1s	AML	AML						
ARRO	comp=N,8815µm,1.0s	AML	AML						
ARRO	comp=N,8815µm,1.0s	AML	AML						
AQU	L'Aquila	1.17 190	ePn	Pn				03 07 47.0 -0.4	
AQU	comp=N,15200µm,1.2s	AML	AML						
AQU	comp=E,18050µm,1.2s	AML							

Table with columns: Station Name, Comp, Az, El, Az', El', Phase ID, Time, Res. Includes stations like SEI, RN12, MIDA, UDBI, MSAG, OZLJ, POLC, GRAM, MCRV, CTI, STON, MAGA, MYKA, BOB, SOKA, ABTA, KOSI, ARIG.

Table with columns: Station Name, Comp, Az, El, Az', El', Phase ID, Time, Res. Includes stations like KOSI, MABI, KBA, MDI, ABSI, ROSI, ARSA, WTTA, FETA, SOTA, WATA, MOTA, MOA, SBF, RETA, DAVA, LMR, LMG, LPP, LPL, ORIF, SMRF, CABF, VYH, HINF, CDF, HAU, PAGF, SMF, SFTF, MEZF, LOR, LOR, AVF, VSF, SSF, BGF, TCF, SOKA, ABTA, KOSI, ARIG.

Table with columns: Station Name, Comp, Az, El, Az', El', Phase ID, Time, Res. Includes stations like CAIG, EI Cayaco, EZSV, MEIG, TLIG, CJM.

Table with columns: Station Name, Comp, Az, El, Az', El', Phase ID, Time, Res. Includes stations like XAN, LZH, GYA, GTA, WMQ.

IDC 21 04:20:33.4, 1.6, 41:47Sx174:37E, h0km, mb3.9/2, mb1 4.1/3, mb1mx3.7/27, mbtmp3.8/3, ML3.1/2, MS2.6/2, Ms1 2.6/2, ms1mx2.5/17, Error ellipse: s-maj=43.0km s-min=14.0km az=131.0

WEL 21 04:20:36.7, 0.4, 41:77Sx0:03, 174:48E, 0:03, h18km, 4km, mb3.7/2, Error ellipse: s-maj=5.7km s-min=2.6km

NEIC 21 04:20:37.0, 0.0, 41:54Sx174:37E, h15km, ML4.0(WEL), After WEL

ISC 21 04:20:36.6, 0.8, 41:58Sx0:03, 174:38E, 0:03, h21km, 1km, n125, r1926/126, Cook Strait

Table with columns: Station Name, Comp, Az, El, Az', El', Phase ID, Time, Res. Includes stations like CMWZ, SWZ, TUWZ, BSWZ, BHW, PLWZ, MSWZ, CAW, PAWZ, DUWZ, MTW, GWZ, TRWZ, KHZ, HOWZ, THZ, TMWZ, INWZ, CPWZ, PRWZ, ANWZ, BFZ, GVZ, DVHZ, WAZ, ANWZ, LTZ, AMCZ, PNWZ, NMEZ, PREZ, KHEZ, NBWZ, MTWZ, CRZ, DREZ, PKEZ, PKVZ, BHHZ, KRHZ, OXZ, INWZ, VRZ, DRZ, WHVZ, MOZ, FVZ, TUWZ, AKCZ, NGZ, KAHZ, WTVZ, KWHZ, KRZV, MCHZ, KATZ, RTZ, BKZ, RATZ, WATZ, HIZ, WVZ, MRHZ, RPZ, RPZ.

21d 5h

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

SJA 21 04:26:52.70, 2.0, 23:24S:66.84W, h224km, 4km, ML3.3, MW3.1

ISC/JB 21 04:26:53.0, 0.5, 23:28S:0.04:66.90W, 0.04, h220km, 6km, mb3.5/1, Error ellipse: s-maj=7.6km s-min=4.9km az=24.4

ICC 21 04:26:53.1, 1.2, 23:26S:66.71W, h199km, 18km, mb3.4/1, mb1 3.4/6, mb1mx3.2/6, mbtmp3.9/6, Error ellipse: s-maj=26.1km s-min=17.7km az=107.0

GUC 21 04:26:55.1, 0.6, 23:11S:67.45W, h258km, 9km, ML4.3

ISC 21 04:26:52.9, 0.9, 23:31S:0.06:66.88W, 0.04, h220km, 8km, n33, r128/51, 7C-20, Jujuy Province

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

2013 JUL

ISC/JB 21 04:41:22.3, 0.6, 11:55S:0.1:12.8W, 0.1, h13km, mb4.2/14, MS4.0/3, Error ellipse: s-maj=20.8km s-min=10.8km az=138.0

ICC 21 04:41:22.2, 0.8, 11:54S:12.87W, h0km, mb4.0/11, mb1 4.1/12, mb1mx3.9/32, mbtmp4.0/12, ML3.5/1, MS4.0/4, Ms1 3.9/4, ms1mx3.6/30, Error ellipse: s-maj=25.5km s-min=16.3km az=137.0

NEIC 21 04:41:24.7, 1.0, 11:53S:12.89W, h16km, 5km, mb4.5/7, Error ellipse: s-maj=22.6km s-min=17.7km az=132.0

GCMT 21 04:41:24.7, 0.4, 11:03S:0.03:13.11W, 0.03, h16km, 4km, MK5.0/60, Moment tensor solution, s15:c18: s60:c84, Duration: 0. Moment tensor: Scale 10^16Nm. Mr=1.85: 18; Mw=2.03: 11; Ms=1.88: 12; Mm=1.98: 46; Mw=3.02: 07; Mw=2.21: 42; Best double couple: Ms3.44600/1016 NP1.3=21.00000; 676.00000; -1.71.00000. NP2: 0.336.00000; 623.00000; -1.142.00000. Principal axes: T 3.060, Plg28.0000, Azm285.0000; N 0.8150, Plg18.0000; Nzm25.0000; P -3.8550, Plg55.0000, Azm143.0000; ast1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 04:41:24.2, 0.7, 11:55S:0.1:12.9W, 0.1, h13km, n28, 0.80/21, mb4.2/14, MS4.0/3, Ascension Island region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H10S2, H10S3, H10S1, etc.

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

ISC/JB 21 04:58:44.8, 0.6, 35:92S:70.78W, h153km, 8km, ML3.5, Chile-Argentina border region

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

BUI 21 05:09:28.5, 0.0, 41:71S:174.46E, h10km, mb6.1/15, mb6.4/55, MS6.6/82, Ms7 6.4/74

NEIC 21 05:09:29.0, 0.0, 41:78S:174.28E, h13km, Moment tensor solution, s24 Moment tensor: Scale 10^18Nm; Mr=0.46; Mw=5.81; Ms=2.27; Mm=2.07; Mw=3.02; Mw=1.76; Best double couple: Mw7.30000/1018 NP1.3=329.00000; 683.00000; -1.21.00000. NP2: 0.237.00000; 369.00000; 1.173.00000. Principal axes: T 7.3800, Plg19.0000

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

Azm195.0000°; N -0.1800, Plg67.0000°, Azm346.0000°;
 P -7.1900, Plg9.0000°, Azm101.0000°;
 MOS 11:05:09.29.61.1.41.68S:174.17E, h10km, mb5.9/34,
 MS6.5/61 Error ellipse: s-maj=11.9km s-min=7.9km
 az=119.0
 WEL 11:05:09.30.5.41.65S:0.8:174.3E:0.8, h16km:2km, M6.5/24,
 ML6.8/18, MLv6.5/24, Error ellipse: s-maj=0.0km
 s-min=0.0km az=134.6
 IDC 21:05:09.30.0.0.3.41.57S:174.09E, h0km, mb5.5/30,
 mb1.5/3.1, mb1mx5.5/33, mbtmp5.5/31, ML5.4.1, MS6.3/26,
 MS1.6/326, ms1mx3.3/29, Error ellipse: s-maj=13.0km
 s-min=9.7km az=1.0
 ISCJB 21:05:09.30.7.0.3.41.71S:0.02:174.33E:0.02, h21km, 2km,
 mb5.9/121, MS6.6/707, Error ellipse: s-maj=3.4km
 s-min=2.0km az=137.1
 NEIC 21:05:09.31.4.1.7.41.70S:174.34E, h17km, mb6.1/90,
 ME6.9, MS6.7/707, MW6.4, MW6.4, MW6.5, ML6.5(WEL),
 Error ellipse: s-maj=13.0km s-min=7.5km az=124.0,
 Moment Tensor Solution. s43 Moment tensor: Scale
 10¹⁸Nm; Mr:2.01; M0:3.97; M0:5.98; M0:2.04; M0:0.79;
 M0:0.32; Best double couple: Ms:7.0000x10¹⁸ NP1:
 q:225.0000°, r:71.0000°, s:154.0000°. NP2:
 q:324.0000°, r:65.0000°, s:21.0000°. Principal axes: T
 5.2800, P 3.8200, N 0.7300; Azm183.0000°; P -6.0700, Plg4.0000°;
 Plg58.0000°; Azm11.0000°; P -6.0700, Plg4.0000°;
 Azm275.0000°; Broadband fault plane solution: P waves.
 NP1:q:215.0000°, r:856.0000°, s:162.0000°. NP2:
 q:315.0000°, r:875.0000°, s:135.0000°. Principal axes: T
 Plg35.0000°, Azm180.0000°; N Plg0.0000°, Azm0.0000°;
 P Plg12.0000°, Azm81.0000°; Apparent Stress 1.62
 MPa. Depth from synthetics of broadband displacement
 seismograms. Energy computed from BB mechanism.

NEIC Four people injured in Wellington and one in Kapiti. Minor
 damage to 35 buildings in Wellington and one what
 collapsed. Localized power outages due to overhead power
 lines and reports of broken water mains. Felt [IV] at Upper
 Hutt; [IV] at Feilding, Nelson and Wellington. Also felt at
 Auckland, Hamilton, Hastings, Kapiti, Levin, Marton,
 Masterton, Napier, New Plymouth, Palmerston North,
 Picton, Raglan, Takaka, Te Awamutu and Upper Harbour.
 GCMT 21:05:09.38.5.0.0.41.63S:174.17E, h12km, MW6.5/150,
 Moment Tensor Solution. s150,c369; s147,c627;
 Duration: 4s3 Moment tensor: Scale 10¹⁸Nm;
 Mr:1.42E-02; M0:4.62E-02; M0:5.05E-02; M0:3.65E-06;
 M0:1.95E-02; M0:1.60E-06; Best double couple:
 Ms:6.9900x10¹⁸ NP1:q:329.0000°, r:73.0000°;
 s:301.0000°. NP2:q:301.0000°, r:161.0000°;
 s:1.170000°. Principal axes: T 7.4710, P 3.3300, N 0.9530;
 Azm195.0000°; P -0.9530, Plg56.0000°; Azm355.0000°; P -6.5280,
 Plg8.0000°; Azm97.0000°; nst1 refers to body waves,
 cutoff=40s. nst2 refers to surface/mantle waves,
 cutoff=50s. Triangular moment-rate function

NEIC 21:05:09.54.7.0.0.41.42S:174.37E, h10km, Moment
 Tensor Solution. s128 Moment tensor: Scale 10¹⁸Nm;
 Mr:1.23; M0:4.69; M0:5.93; M0:0.55; M0:1.77; M0:1.01;
 Best double couple: Ms:7.0000x10¹⁸ NP1:q:144.0000°;
 r:380.0000°. NP2:q:234.0000°, r:88.0000°;
 s:1.170000°. Principal axes: T 5.0200, P 3.0200, N 0.9530;
 Azm180.0000°; P -1.3500, Plg8.0000°; Azm243.0000°; P
 -6.3700, Plg8.0000°; Azm100.0000°;

ISC 21:05:09.32.0.0.3.41.69S:0.02:174.36E:0.02, h16km, 11km,
 h16km; p-P, n2301, e188/1935, mb6.0/122, MS6.7/171,
 76C-61D, Cook Strait

ARHZ	Aroapoanui	3.15	41	P	Pn	05 10 18.8 -2.2
WATZ	Wairara	3.15	20	P	Pn	05 10 20.9 -0.2
RPZ	Rata Peaks	3.17	229	Pn	Pn	05 10 19.9 -1.5
RPZ	43m.0.3s, baz=63, slow=3.0, SNR=284			Sn		05 10 58.9 +0.1
RPZ	1.0m.0.3s, baz=356, slow=13, SNR=4.0			Lg		05 11 14.0
RPZ	964m.0.3s, baz=28, slow=19, SNR=2.7			Lg		05 11 27.0
RPZ	comp=Z, 301m, 20.0s, baz=41, slow=38			LR		05 10 22.0 +0.7
RPZ	Rata Peaks	3.17	229	Pn	Pn	05 10 20.1 -1.3
RPZ	Rata Peaks	3.17	229	Pn	Pn	05 10 24.5 +2.8
HIZ	Haiti	3.19	7	ePn	Pn	05 10 22.4 +0.7
HIZ	Haiti	3.19	7	P	Pn	05 10 23.9 +0.4
WHITZ	Whakaora Rd	3.25	23	Pn	Pn	05 10 23.3 +0.7
WHITZ	Whakaora	3.25	23	Pn	Pn	05 10 25.7 +1.3
KUTZ	Kaahu Road	3.38	20	Pn	Pn	05 10 22.2 -2.5
MTZH	Maugataniwha	3.41	35	Pn	Pn	05 10 22.5 -2.1
WHZH	Waihua	3.41	41	Pn	Pn	05 10 25.1 -0.2
WPRZ	Whakapapatarin	3.45	24	Pn	Pn	05 10 23.1 -2.4
RAHZ	Arari	3.46	38	Pn	Pn	05 10 24.1 -1.4
ALRZ	Allen Road	3.47	15	Pn	Pn	05 10 25.4 -0.1
TLZ	Tolley Road	3.47	15	Pn	Pn	05 10 25.0 -1.5
PRRZ	Plateau Road	3.54	23	Pn	Pn	05 10 26.6 -0.6
GRRZ	Galatos Road	3.59	23	Pn	Pn	05 10 27.7 -0.4
HRRZ	Handcock Road	3.61	25	Pn	Pn	05 10 26.6 -1.7
HRZ	Hussell Rd	3.67	34	Pn	Pn	05 10 27.9 -0.3
HSRZ	Hossack Road	3.67	24	Pn	Pn	05 10 25.4 -2.8
KNZ	Kokohu	3.67	45	Pn	Pn	05 10 26.4 -2.2
SNZG	Shannon Station	3.69	39	Pn	Pn	05 10 27.4 -1.3
MUGZ	Murupara	3.70	31	Pn	Pn	05 10 27.5 -1.6
MHCZ	Mahia Peninsula	3.71	48	Pn	Pn	05 10 30.8 +1.3
RRRZ	Republican Roa	3.73	27	Pn	Pn	05 10 29.8 +0.1
HLRZ	Highlands Stat	3.76	25	Pn	Pn	05 10 29.0 -1.4
UTU	Utuhia	3.78	23	Pn	Pn	05 10 32.2 +1.8
TARZ	Mout Tarawera	3.82	26	Pn	Pn	05 10 32.9 +0.4
FOZ	Fox Glacier	3.83	240	ePn	Pn	05 10 30.4 -0.4
FOZ	Te Karaka	3.83	240	P	Pn	05 10 30.4 -3.4
NGRZ	Ngongotaha	3.85	22	Pn	Pn	05 10 32.4 +1.4
PRGZ	Paritu Road	3.86	45	Pn	Pn	05 10 32.0 -1.8
MKRZ	Makaiti	3.90	25	Pn	Pn	05 10 32.7 +1.8
OMRZ	Omania	3.90	24	Pn	Pn	05 10 32.0 -3.4
KARZ	Kataroa	3.96	42	Pn	Pn	05 10 32.8 -3.1
RAGZ	Rawiri	3.96	42	Pn	Pn	05 10 32.8 -3.4
RIMZ	Rimuhau	3.96	42	Pn	Pn	05 10 32.9 -0.2
EDRZ	Edgcombe	4.02	28	Pn	Pn	05 10 30.0 -3.0
URZ	Urewera	4.02	33	Pn	Pn	05 11 35.4
URZ	44m.0.3s, baz=230, slow=6.6, SNR=1.03			Lg		05 11 35.4
URZ	3um.0.3s, baz=37, slow=16, SNR=6.1			Pn		05 10 36.6 +3.6
URZ	Urewera	4.02	33	ePn	Pn	05 10 30.0 -3.0
EPHRZ	Kairangi	4.02	27	Pn	Pn	05 10 34.1 +1.0
TOZ	Tauranga Road	4.08	28	Pn	Pn	05 10 33.3 -0.6
LBZ	Lake Benmore	4.08	227	ePn	Pn	05 10 32.9 -1.8
LBZ	Lake Benmore	4.08	227	P	Pn	05 10 32.5 -1.8
MARZ	Manawhai	4.10	27	Pn	Pn	05 10 31.1 -3.6
MWZ	Matawai	4.14	37	Pn	Pn	05 10 34.6 -3.0
OPRZ	Ohinepaea	4.19	25	Pn	Pn	05 10 32.2 -3.3
TKGZ	Te Karaka	4.21	21	Pn	Pn	05 10 36.2 +0.5
TGRZ	Tauranga	4.21	21	Pn	Pn	05 10 37.0 0.0
ODZ	Otauhu Downs	4.31	218	ePn	Pn	05 10 35.4 -1.7
ODZ	Otauhu Downs	4.31	218	P	Pn	05 10 36.5 -0.7
WHRZ	Whale Island	4.32	29	Pn	Pn	05 10 34.7 -3.0
CNZ	Chatham Station	4.35	38	Pn	Pn	05 10 36.0 -3.3
TWZ	Tauwhareparea	4.47	40	Pn	Pn	05 10 36.6 -3.3
RUGZ	Raukumara Rang	4.51	36	Pn	Pn	05 10 42.7 +1.7
KBAZ	Karaka Road	4.60	5	Pn	Pn	05 10 41.3 +0.1
MKAZ	Moumaki	4.62	8	Pn	Pn	05 10 42.2 +0.9
AWAZ	Awhitu Peninsula	4.62	29	Pn	Pn	05 10 39.7 -3.1
WHZ	White Island	4.69	29	Pn	Pn	05 10 42.4 -0.6
HAZ	Te Kaha	4.73	35	Pn	Pn	05 10 42.4 -0.6
JCZ	Jackson Bay	4.74	238	P	Pn	05 10 44.1 +1.1
ETAZ	East Tamaki Re	4.75	6	Pn	Pn	05 10 44.4 +1.4
WTAZ	Waiauata	4.75	2	Pn	Pn	05 10 46.6 +2.4
EPKAZ	Eden Park BICE	4.75	2	Pn	Pn	05 10 47.0 +1.7
HBZ	Herne Bay Bore	4.84	4	Pn	Pn	05 10 46.2 +0.8
RVZ	Riverhead Bore	4.91	2	Pn	Pn	05 10 46.5 +1.1
WIAZ	Waieke Island	4.92	7	Pn	Pn	05 10 46.7 +1.1
MWAZ	Moutapu North	4.93	5	Pn	Pn	05 10 46.7 +1.1
WMBZ	Waiomatatini S	4.97	40	Pn	Pn	05 10 42.7 -3.4
HHZ	Hills Hill	5.00	212	Pn	Pn	05 10 44.5 -1.4
WKZ	Wanaka	5.01	229	ePn	Pn	05 10 46.3 -0.3
WKZ	Wanaka	5.01	229	Pn	Pn	05 10 47.1 0.0
EAZ	Earnsclough	5.05	13	Pn	Pn	05 10 48.0 0.0
KUZ	Kauroa Point	5.12	38	ePn	Pn	05 10 44.7 -3.5
MXZ	Matakaoa Point	5.12	38	Pn	Pn	05 10 44.1 -1.1
GRZ	Great Barrier	5.50	9	Pn	Pn	05 10 53.9 +0.6
MSZ	Milford Sound	5.57	235	Pn	Pn	05 10 57.5 +0.8
WLCZ	Waipu Caves	5.74	360	ePn	Pn	05 10 57.8 +1.1
MLZ	Mavora Lakes	5.84	229	ePn	Pn	05 11 01.3 -0.8
MLZ	Mavora Lakes	5.84	229	Pn	Pn	05 11 03.8 0.0
WYZ	Wether Hill	6.13	216	Pn	Pn	05 11 02.4 -1.4
WHZ	Wether Hill Ro	6.26	226	ePn	Pn	05 11 05.3 -1.1
DCZ	Deep Cove	6.45	232	ePn	Pn	05 11 03.1 -1.4
OCZ	Otago Coast	6.45	232	Pn	Pn	05 11 06.9 +2.7
OUZ	Omahuta	6.48	354	ePn	Pn	05 11 07.3 +0.4
QOZ	Omahuta	6.48	354	Pn	Pn	05 11 11.1 -1.3
APZ	The Paps	6.88	219	Pn	Pn	05 11 11.5 -1.8
CTZ	Chatham Island	6.96	210	Pn	Pn	05 11 13.8 -1.4
I36NZ	CHATHAM INFRAS	7.09	111	Pn	Pn	05 47 10.0
I36NZ	baz=291, slow=35, SNR=1.8			i		05 47 10.0

YNG	Young	21.70	281	P	P	05 14 23.0 +0.5
TOO	Tootaling	22.56	271	eP	P	05 14 32.2 +0.6
TOO	comp=Z, 467nm, 1.2s			LR		05 14 32.1 +0.6
TOO	Tootaling	22.56	271	P	P	05 14 32.1 +0.6
TOO	comp=Z, 295nm, 21.0s			MLR	MLR	05 14 32.2 +0.6
TOO	comp=Z, 467nm, 1.2s			pmax	pmax	05 14 32.2 +0.6
CMSA	Coburns Teetoe	25.04	285	P	P	05 15 55.3 -0.2
EIDS	Eidsvold	25.21	303	eP	P	05 15 57.2 +0.1
EIDS	comp=Z, 357nm, 1.2s			LR	LR	05 15 57.2 +0.1
EIDS	Eidsvold	25.21	303	P	P	05 15 57.2 +0.1
ARPS	Mount Arapiles	25.57	270	P	P	05 15 01.5 +1.2
RRM	Roma	25.94	298	P	P	05 15 03.9 +0.2
NIUE	Niue	26.21	35	PFAKE	LR	05 15 20.0 +1.4
NIUE	comp=Z, 82nm, 20.0s			LR	LR	05 15 10.3 +4.1
STKA	Stephens Creek	27.86	280	P	P	05 15 21.3 +0.3
STKA	comp=Z, 226nm, 0.9s, baz=113, slow=9.6, SNR=17			LR	LR	05 25 49.6
STKA	Stephens Creek	27.86	280	eP	P	05 15 21.3 +0.3
STKA	comp=Z, 39nm, 1.18s			P	P	05 15 21.6 +0.6
QLP	Quilpie	28.75	292	P	P	05 15 30.1 -0.6
HTT	Hallett	29.11	275	P	P	05 15 32.6 +0.4
RAR	Rarotonga	29.87	55	eP	P	05 15 41.3 +2.5
RAR	comp=Z, 62nm, 0.8s, baz=141, slow=5.3, SNR=3.7			LR	LR	05 26 05.1
RAR	Rarotonga	29.87	55	eP	P	05 15 37.2 -1.6
RAR	comp=Z, 78nm, 22.0s, baz=216, slow=33			LR	LR	05 15 37.2 -1.6
RAR	comp=Z, 790nm, 1.4s			LR	LR	05 15 37.2 -1.6
RAR	comp=Z, 89nm, 21.0s			eP	pmax	05 15 37.2 -1.6
RAR	comp=Z, 790nm, 1.4s			MLR	MLR	05 15 37.2 -1.6
BBOO	Bucklebo	31.54	274	eP	P	05 15 52.6 -0.9
BBOO	comp=Z, 165nm, 0.9s			LR	LR	05 15 52.6 -0.9
BBOO	Bucklebo	31.54	274	P	P	05 15 53.0 -0.5
CTA	Charters Tower	32.09	304	P	P	05 15 58.0 -0.5
CTA	comp=Z, 49nm, 0.9s, baz=141, slow=10, SNR=37			LR	LR	05 27 08.9
CTA	Charters Tower	32.09	304	P	P	05 15 59.0 +0.5
CTAO	Charters Tower	32.09	304	eP	P	05 15 58.7 +0.2
CTAO	comp=Z, 253nm, 1.3s			LR	LR	05 15 58.7 +0.2
CTAO	Charters Tower	32.09	304	eP	pmax	05 15 58.7 +0.2
CTAO	comp=Z, 253nm, 1.3s			MLR	MLR	05 15 58.7 +0.2
FUNA	Funafuti	33.30	9	PFAKE	LR	05 16 20.0 +1.1
HNR	Honiara	34.55	334	P	P	05 16 19.8 -0.2
HNR	comp=Z, 144nm, 0.8s, baz=189, slow=13, SNR=2.3			LR	LR	05 28 55.5
HNR	Honiara	34.55	334	PFAKE	LR	05 16 30.0 +1.0
HNR	comp=Z, 44nm, 20.2s, baz=165, slow=34			LR	LR	05 16 24.0 +4.1
MTSU	Mount Surprise	34.76	303	P	P	05 16 21.5 -0.3
TBI	Tubuai	35.24	70	eP	P	05 16 29.7 +3.9
TBI	comp=Z, 951nm, 1.4s			eS	S	05 22 03.2 +4.4
TBI	comp=Z, 21nm, 28.2s			eLQ	LQ	05 24 25.6
TBI	comp=Z,					

21d 5h

Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MEH, PMG, W3C, WRAB, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KWAJ, MAW, GUMU, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MLOA, HMH, POHA, etc.

21d 5h

BJI	comp=Z,5µm,25.7s	LR	LR				
BJI	comp=Z,6µm,21.1s	LR	LR				
BJI	comp=Z,7µm,30.7s	LR	LR				
SIMRM	Sittwe	97.03 291	PFAKE	LR	05 23 10.0	+6.6	
BLG	comp=Z,5µm,19.0s Laguna Peak, P baz=224	97.05 50	P	P	05 23 02.6	-0.4	
TIY	Taiyuan	97.12 315	eP	Pdf	05 23 06.9	+3.4	
TIY			SKS	SKS	05 33 39.8	+0.2	
TIY			S	ScS	05 34 28.3	+2.2	
TIY	comp=Z,560nm,7.1s		S	S			
TIY	comp=Z,9µm,17.9s		S	S			
TIY	comp=Z,10µm,19.6s		S	S			
CPUP	Villa Florida	97.15 135	P	Pdf	05 23 05.5	+1.5	
CPUP	comp=Z,7.6nm,0.9s,baz=225,slow=3.0,SNR=9.1		LR	LR	06 00 07.9		
CPUP	Villa Florida	97.15 135	eP	P	05 23 02.8	-1.1	
CPUP	comp=Z,8µm,20.6s,baz=213,slow=3.1		LR	LR			
CPUP	Villa Florida	97.15 135	eP	P	05 23 02.8	-1.1	
CPUP	comp=Z,36nm,1.3s		S	S			
CPUP	Villa Florida	97.15 135	eP	P	05 23 02.5	-1.4	
CD2	Chengdu	97.17 305	eP	Pdf	05 23 04.4	+0.5	
CD2			sP	sP	05 23 18.3	+7.1	
CD2			PP	PP	05 27 03.3	+2.8	
CD2			SKS	SKS	05 33 35.0	-5.2	
CD2			S	ScS	05 34 28.3	+1.5	
CD2	comp=Z,10.0nm,0.5s		S	S			
CD2	comp=Z,1µm,13.1s		S	S			
CD2	comp=Z,22µm,41.4s		LR	LR			
CD2	comp=Z,19µm,44.3s		LR	LR			
CD2	comp=Z,17µm,25.7s		LR	LR			
PKM	McPherson Peak	97.19 49	P	P	05 23 03.7	-0.2	
FMP	Fort Macarthur	97.21 51	P	P	05 23 03.2	-0.6	
109C	Camp Elliot, M	97.32 52	P	Pdf	05 23 05.0	+0.6	
CPE	Camp Elliot	97.32 52	PFAKE	LR	05 23 10.0	+5.6	
CPE			LR	LR			
SMMC	comp=Z,22µm,22.0s	97.39 49	P	P	05 23 04.1	-0.6	
SMMC	Simmler		P	P			
PALK	Pallekele	97.51 273	PFAKE	LR	05 23 20.0	+1.4	
PALK			LR	LR			
PAGB	Antelope Grade	97.55 48	PFAKE	LR	05 23 20.0	+1.5	
PAGB			LR	LR			
DECC	Green Verdugo	97.58 50	P	P	05 23 04.9	-0.6	
PASC	Pasadena Art C	97.60 51	PFAKE	LR	05 23 20.0	+1.4	
PASC			LR	LR			
OSI	Osito Audit: C	97.61 50	PFAKE	LR	05 23 20.0	+1.4	
OSI			LR	LR			
OSI	Osito Audit: C	97.61 50	P	P	05 23 04.9	-0.8	
SAO	San Andreas Ge	97.64 47	PFAKE	LR	05 23 20.0	+1.4	
SAO			LR	LR			
MWC	Mount Wilson	97.72 51	PFAKE	LR	05 23 20.0	+1.4	
MWC			LR	LR			
MONP2	Monument Peak	97.73 53	P	P	05 23 05.9	-0.5	
MONP2	baz=225,SNR=9.0		P	P			
IKP	In-Ko-Pah, Jac	97.75 53	P	P	05 23 06.1	-0.2	
MURC	Murrieta	97.77 52	P	Pdf	05 23 06.6	+0.2	
MURC	baz=224,SNR=12		P	P			
GRNR	Gorny	97.86 337	eP	Pdf	05 23 14.9	+8.6	
GRNR			e	e	05 27 06.9		
GRNR			S	S			
MCCM	Marconi Center	97.89 45	PFAKE	LR	05 23 20.0	+1.3	
MCCM			LR	LR			
ARVC	Arvin	97.92 50	P	P	05 23 07.0	0.0	
ARVC	baz=224		P	P			
CNLB	Caneia	97.94 141	eP	P	05 23 06.0	-1.5	
BFSC	Mount Baldy Ra	97.96 51	P	P	05 23 06.6	-0.7	
ATAH	Atahualpa	97.97 107	LR	LR	06 00 34.0		
KLR	Kul'dur	97.99 333	P	P	05 23 06.5	-0.4	
KLR	comp=Z,2.8nm,0.8s,baz=185,slow=4.3,SNR=8.4		PP	PP	05 27 08.6	+2.2	
KLR	Kul'dur	97.99 333	eP	Pdf	05 23 06.7	-0.2	
KLR			S	S			
KLR	comp=Z,31nm,1.6s		MLR	MLR			
FALS	False Pass	98.03 13	PFAKE	LR	05 23 20.0	+1.3	
FALS			LR	LR			
SWFS	San W Stewart	98.14 53	P	P	05 23 07.9	-0.1	
PFO	Pinyon Flats O	98.22 52	PFAKE	LR	05 23 20.0	+1.1	
PFO			LR	LR			
PFO	comp=Z,24µm,18.0s	98.22 52	iP	Pdf	05 23 13.8	+5.3	
PFO	Pinyon Flats O	98.22 52	P	P	05 23 08.4	-0.1	
PFO	baz=225,SNR=5.5		P	P			
EDW2	Edwards Air Fo	98.22 50	P	P	05 23 08.4	0.0	
EDW2	baz=224,SNR=8.4		P	P			
VES	Vestal, Richgr	98.29 49	P	P	05 23 07.7	-0.9	
BBRC	Big Bear Solar	98.40 51	P	P	05 23 08.6	-0.8	
BBRC	baz=225		P	P			
HOPS	Hopland Field	98.41 44	PFAKE	LR	05 23 20.0	+1.1	
HOPS			LR	LR			
GDXM	Geysers	98.42 45	PFAKE	LR	05 23 20.0	+1.1	
GDXM			LR	LR			
HSIG	comp=Z,42µm,21.0s	98.43 59	PFAKE	LR	05 23 20.0	+1.1	
HSIG			LR	LR			
VOG	Valley Oaks Go	98.46 48	P	P	05 23 08.8	-0.6	
VOG	baz=224		P	P			
LPZ	La Paz	98.49 121	P	Pdf	05 23 12.4	+1.1	
LPZ	comp=Z,2.9nm,1.0s,baz=227,slow=2.7,SNR=7.0		LR	LR	05 57 11.0		
LPZ	La Paz	98.49 121	eP	P	05 23 09.4	-1.5	
LPZ	comp=Z,8.4nm,1.0s		S	S			
LPZ	La Paz	98.49 121	eP	P	05 23 09.4	-1.5	
LPZ	comp=Z,8.0nm,1.0s		S	S			
LPZ	La Paz	98.49 121	eP	P	05 23 08.4	-2.4	
ISA	Isabella, Lake	98.50 49	PFAKE	LR	05 23 20.0	+1.0	
ISA			LR	LR			
ISA	comp=Z,42µm,21.0s	98.50 49	P	Pdf	05 23 10.5	+0.8	
ISA	Isabella, Lake		P	P			
SAIH	SAIHA	98.51 292	eP	P	05 23 08.8	-1.3	
KCPM	Cahto Peak	98.66 44	PFAKE	LR	05 23 20.0	+1.0	
KCPM			LR	LR			
BELC	Belle Mtn, Jos	98.76 52	P	Pdf	05 23 11.4	+0.4	
BELC	baz=225,SNR=5.6		P	P			
RRX	Edison Barstow	98.79 51	P	P	05 23 10.3	-0.6	
RRX	baz=225		P	P			
GLA	Glamis	98.80 53	PFAKE	LR	05 23 20.0	+9.0	
GLA			LR	LR			
GLA	comp=Z,23µm,20.0s	98.80 53	P	P	05 23 11.0	-0.1	
GLA	baz=226,SNR=6.7		P	P			
KAAM	Kaadhehdho	98.81 263	PFAKE	LR	05 23 20.0	+8.4	

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KAAM	comp=Z,17µm,19.0s	98.83 50	P	P	05 23 10.8	-0.4	
LRMC	Laurel Mtn Rad		P	P			
NKL	Nikolayevsk	98.83 340	eP	PS	05 23 06.7	-3.8	
NKL			ePS	P	05 36 02.8	-4.6	
NKL			MLR	MLR			
NKL	comp=Z,9µm,24.0s		MLR	MLR			
BC3	Big Chuckawall	98.84 53	P	Pdf	05 23 11.4	+0.1	
BC3	baz=225		P	P			
KMRM	Mali Ridge	98.99 43	PFAKE	LR	05 23 20.0	+8.2	
KMRM			LR	LR			
SDPT	comp=Z,27µm,20.0s	99.01 14	PFAKE	LR	05 23 20.0	+8.7	
SDPT	Sand Point		LR	LR			
ITAB	comp=Z,11µm,20.0s	99.06 139	eP	Pdf	05 23 12.2	-0.3	
CMB	Concordia	99.15 47	PFAKE	LR	05 23 20.0	+7.5	
CMB	Columbia Colle		LR	LR			
HEC	comp=Z,23µm,19.0s	99.15 51	P	Pdf	05 23 13.3	+0.7	
HEC	Hector, Ludlow		P	P			
GSC	Goldstone, Bar	99.20 51	P	Pdf	05 23 13.5	+0.6	
GSC	baz=225,SNR=6.4		P	P			
113A	Mohawk Valley,	99.24 54	PFAKE	LR	05 23 20.0	+7.1	
113A	113A		LR	LR			
214A	Organ Pipe Nat	99.27 55	P	Pdf	05 23 13.5	+0.4	
214A	baz=226,SNR=7.5		P	P			
JCC	Jacoby Creek,	99.27 43	PFAKE	LR	05 23 20.0	+7.2	
JCC			LR	LR			
CWC	Cottonwood Cre	99.28 49	P	Pdf	05 23 13.7	+0.4	
CWC	baz=224		P	P			
TLIG	Tiapa	99.34 75	PFAKE	LR	05 23 20.0	+6.1	
TLIG			LR	LR			
SPIA	Saint Paul Isl	99.34 8	PFAKE	LR	05 23 20.0	+7.3	
SPIA			LR	LR			
MPMC	comp=Z,40µm,22.0s	99.35 50	P	Pdf	05 23 13.3	-0.3	
MPMC	Manua Prospe		P	P			
IRM	Iron Mountain	99.38 52	P	Pdf	05 23 13.9	+0.3	
IRM	baz=226,SNR=5.3		P	P			
IMP	Imphal	99.40 295	eP	Pdf	05 23 12.6	-1.4	
IMP			I Amb	I Amb	05 23 15.3		
002D	Mt. Diablo Mer	99.43 49	P	Pdf	05 23 14.7	+1.0	
002D	baz=222		P	P			
DAC	Darwin (Calif)	99.44 49	PFAKE	LR	05 23 20.0	+6.0	
DAC			LR	LR			
Y12C	Blythe	99.46 53	PFAKE	LR	05 23 20.0	+6.1	
Y12C			LR	LR			
Y12C	comp=Z,21µm,21.0s	99.46 53	P	Pdf	05 23 13.6	-0.3	
Y12C	Blythe		P	P			
Y12C	baz=226,SNR=8.2		P	P			
KHMM	Horse Mountain	99.47 43	PFAKE	LR	05 23 20.0	+6.1	
KHMM			LR	LR			
AFDM	comp=Z,25µm,21.0s	99.49 46	PFAKE	LR	05 23 20.0	+6.1	
AFDM	Forest Hills D		LR	LR			
GMRC	Granite Mounta	99.51 52	P	Pdf	05 23 13.6	-0.6	
GMRC	baz=225,SNR=8.2		P	P			
MDPB	Devils Postpil	99.57 48	PFAKE	LR	05 23 30.0	+1.5	
MDPB			LR	LR			
OMMB	Old Mammoth M	99.60 48	PFAKE	LR	05 23 30.0	+1.5	
OMMB			LR	LR			
TIN	Tinemaha, Big	99.63 49	P	Pdf	05 23 14.3	-0.4	
TIN	baz=224		P	P			
ORV	Oroville	99.65 45	PFAKE	LR	05 23 30.0	+1.5	
ORV			LR	LR			
MLAC	Mammoth, Mamm	99.71 48	P	Pdf	05 23 14.3	-0.9	
MLAC	baz=224		P	P			
LKP	Lekhapani	99.78 298	eP	Pdf	05 23 10.6	-4.9	
LKP			eP	Pdf	05 23 14.3	-1.3	
TUQ	Turquoise Moun	99.81 51	P	Pdf	05 23 10.6	-4.9	
TUQ			P	P			
WDC	Whiskeytown Da	99.86 44	PFAKE	LR	05 23 30.0	+1.5	
WDC			LR	LR			
ZAIG	Zacatecas	99.88 68	PFAKE	LR	05 23 30.0	+1.4	
ZAIG			LR	LR			
HHC	Hu-ho-hao-te	99.90 317	P	Pdf	05 23 18.0	+2.2	
HHC			PP	PP	05 27 23.5	+2.2	
HHC			SKS	SKS	05 33 35.0	+0.5	
HHC			S	S	05 34 53.8	+4.5	
HHC			LR	LR			
HHC	comp=Z,9µm,20.6s		LR	LR			
SHOC	Shoshone, Teco	99.93 50	P	Pdf	05 23 15.0	-1.0	
SHOC	baz=225		P	P			
FURC	Furnace Creek,	99.99 50	P	Pdf	05 23 15.3	-0.9	
FURC	baz=222		P	P			
MOKO	MOKOCHONG	100.00 296	eP	Pdf	05 23 15.6	-1.0	
WAKR	Walker	100.00 47	PFAKE	LR	05 23 30.0	+1.4	
WAKR			LR	LR			

MNTX	comp=Z,24um,21.0s Cornudas Mount	103.79	60	P	Pdif	05 23 31.5	-1.7	PV10	Paradox Valley	105.86	53	PFAKE	LR	SCM	comp=Z,14um,21.0s Ortega, Tolima	107.78	101	eP	PP	05 28 23.9	+3.9
GLSD	Wamic, OR	103.86	41	P	Pdif	05 23 34.2	+1.0	E08A	Dider Farm, El	105.86	41	PFAKE	LR	CRQM	Cirque	107.82	20	PFAKE	LR	05 28 10.0	+12
ELK	Elko	103.88	48	Pdiff	Pdif	05 23 36.8	+3.1	E08A	comp=Z,30um,22.0s Lion Creek, Pa	105.86	53	PFAKE	LR	BCIP	comp=Z,26um,20.0s Isla Barro Col	107.83	94	PFAKE	LR	05 28 10.0	+11
ELK	comp=Z,0.2nm,0.3s,baz=215,slow=8.1,SNR=4.1,PKJKP					05 27 53.8	+2.3	PV14	comp=Z,27um,22.0s West Nyswonger	105.87	101	eP	PP	MSEY	comp=Z,12um,22.0s Mahe Island	107.88	246	PFAKE	LR	05 28 10.0	+11
ELK	comp=Z,3.4nm,1.0s,baz=224,slow=6.9,SNR=5.6	103.88	48	PFAKE	LR	05 23 40.0	+6.3	PV20	comp=Z,24um,22.0s Nyswonger Mesa	105.89	53	PFAKE	LR	MSEY	comp=Z,1.6um,18.0s Trinidad	107.88	56	P	Pdif	05 23 51.7	+0.2
I07A	Izeze	103.94	43	PFAKE	LR	05 23 40.0	+6.3	PV16	comp=Z,26um,22.0s Paradox Valley	105.89	53	PFAKE	LR	TGL	comp=Z,23um,21.0s Prado	107.91	101	eP	PP	05 28 23.9	+2.9
I07A	comp=Z,20um,21.0s Circle Bar Ran	103.96	44	PFAKE	LR	05 23 40.0	+6.2	PV16	comp=Z,27um,22.0s David Mesa, Pa	105.90	53	PFAKE	LR	TGL	comp=Z,2.2um,18.0s Tana Glacier	107.90	21	PFAKE	LR	05 28 10.0	+12
J08A	comp=Z,28um,18.0s Neilton Lookou	104.21	38	PFAKE	LR	05 23 50.0	+15	PV03	comp=Z,28um,21.0s Florenzia	105.91	102	eP	PP	PRAC	comp=Z,2.1um,20.0s Castles Rocks	108.11	15	PFAKE	LR	05 28 10.0	+12
NLWA	comp=Z,33um,20.0s Cinebar	104.21	39	P	Pdif	05 23 35.4	+0.8	PV03	comp=Z,27um,22.0s Paradox Valley	105.93	53	PFAKE	LR	MYIG	comp=Z,7um,18.0s Newport	108.04	41	P	Pdif	05 23 55.4	+3.7
E04D	White Salmon	104.26	40	P	Pdif	05 23 36.6	+1.7	PV23	comp=Z,26um,21.0s Paradox Valley	105.95	53	PFAKE	LR	NEW	comp=Z,0.8nm,0.7s,baz=73,slow=17,SNR=3.4,PKJKP					05 28 00.0	+1.5
F05D	IRIS PASCAL I	104.35	57	PFAKE	LR	05 23 50.0	+14	PV02	comp=Z,27um,22.0s Paradox Valley	105.93	53	PFAKE	LR	NEW	comp=Z,2.1nm,0.7s,baz=214,slow=4,SNR=4.4	108.04	41	PFAKE	LR	05 28 10.0	+12
Y22D	IRIS PASCAL I	104.35	57	P	Pdif	05 23 35.0	-0.9	PV02	comp=Z,26um,21.0s Paradox Valley	105.95	53	PFAKE	LR	NEW	comp=Z,39um,22.0s Newport	108.04	41	P	Pdif	05 23 54.1	+2.3
Y22D	comp=Z,39um,19.0s Sao Paulo	104.40	141	PFAKE	LR	05 23 50.0	+14	PV04	comp=Z,30um,22.0s Saucer Basin,	105.96	53	PFAKE	LR	PCA	comp=Z,2.6um,20.0s Teton Pass	108.08	48	PFAKE	LR	05 28 10.0	+11
SPB	comp=Z,12um,18.0s Bosho	104.44	208	Pdiff	Pdif	05 23 34.9	-1.7	PV12	comp=Z,30um,22.0s Paradox Valley	105.98	53	PFAKE	LR	TPAW	comp=Z,2.2um,21.0s Bancas Point	108.10	22	PFAKE	LR	05 28 10.0	+12
SPB	comp=Z,5.2nm,1.1s,baz=79,slow=5.2,SNR=2.9,PKJKP					05 27 54.5	+0.2	PV12	comp=Z,30um,22.0s Paradox Valley	105.98	53	PFAKE	LR	TPAW	comp=Z,2.1um,20.0s Castles Rocks	108.11	15	PFAKE	LR	05 28 10.0	+12
BOSA	comp=Z,7.3nm,1.1s,baz=148,slow=13,SNR=4.1,PKJKP					05 29 31.4	0.0	PV01	comp=Z,27um,22.0s Leavenworth	105.98	39	P	Pdif	BCPM	comp=Z,2.1um,20.0s Castles Rocks	108.11	15	PFAKE	LR	05 28 10.0	+12
BOSA	comp=Z,4.4nm,1.1s,baz=270,slow=5.1,SNR=2.0,PKJKP					05 23 50.0	+13	PV21	comp=Z,27um,22.0s Cone Mtn., Par	106.01	53	PFAKE	LR	CAST	comp=Z,18um,22.0s Abilene, Hawie	108.14	62	PFAKE	LR	05 28 10.0	+11
LSA	Lhasa	104.45	297	PFAKE	LR	05 27 52.3	-0.7	PV22	comp=Z,18um,19.0s Blue Mesa, Par	106.11	53	PFAKE	LR	CAST	comp=Z,27um,22.0s Abilene, Hawie	108.14	62	P	Pdif	05 23 54.1	+1.5
LSA	comp=Z,7um,22.0s	104.45	297	P	PKIKP	05 27 08.8	-0.2	PV22	comp=Z,23um,22.0s Paradox Valley	106.13	53	PFAKE	LR	JBP	comp=Z,2.2um,21.0s Jabalpur	108.17	285	eP	Pdif	05 23 51.7	-1.1
LSA	comp=Z,10um,3.0s							PV07	comp=Z,26um,22.0s Kingsville	106.18	67	PFAKE	LR	JBP	comp=Z,283nm,6.0s			IAMs_20	IAMs_20	06 15 51.1	
LSA	comp=Z,530nm,5.0s							PV22	comp=Z,14um,18.0s Hailey	106.25	46	PFAKE	LR	SNOW	comp=Z,2um,6.9s Snow King Moun	108.18	48	PFAKE	LR	05 28 10.0	+11
LSA	comp=N,23um,25.1s							PV22	comp=Z,13um,19.0s Hailey	106.25	46	P	Pdif	SNOW	comp=Z,20um,20.0s	108.20	59	PFAKE	LR	05 28 10.0	+11
LSA	comp=E,20um,24.9s							PV07	comp=Z,24um,21.0s Las Esperanzas	106.44	88	PFAKE	LR	AMTX	comp=Z,2.1um,21.0s	108.20	59	P	Pdif	05 23 56.1	+3.2
D04E	Lakebay	104.56	39	P	Pdif	05 23 37.4	+1.2	KVTX	comp=Z,34um,22.0s Wood Farm, Sta	106.33	42	PFAKE	LR	JIS	comp=Z,40um,22.0s Indian Meadow	108.36	47	PFAKE	LR	05 28 10.0	+10
D04E	comp=Z,15um,21.8s							KVTX	comp=Z,18um,18.0s Pearl Lake	106.44	44	PFAKE	LR	JIS	comp=Z,22um,22.0s	108.36	48	PFAKE	LR	05 28 10.0	+11
GTK	Tadong	104.67	293	ex	Pdif	05 23 31.9	-5.4	HLID	comp=Z,24um,21.0s Las Esperanzas	106.44	88	PFAKE	LR	LOHW	comp=Z,2.1um,18.0s	108.37	47	PFAKE	LR	05 28 10.0	+10
D03D	Eldon	104.67	38	P	Pdif	05 23 37.2	+0.5	HLID	comp=Z,9um,20.0s Hardware Ranch	106.51	49	PFAKE	LR	RRF	comp=Z,2.2um,22.0s El Recreo	108.37	47	eP	PP	05 28 31.4	+6.3
D03D	comp=Z,23um,21.0s Dugway, Tooele	104.86	49	PFAKE	LR	05 23 50.0	+12	ESAR	comp=Z,27um,21.0s Rabbit Creek A	106.51	17	PFAKE	LR	MOOW	comp=Z,30um,22.0s Boulder Array	108.40	49	PFAKE	LR	05 28 10.0	+10
DUG	comp=Z,32um,21.0s Dugway, Tooele	104.86	49	P	Pdif	05 23 41.4	+3.5	D08A	comp=Z,18um,21.0s Paez Belalcaza	106.54	101	eP	PP	MOOW	comp=Z,30um,22.0s Boulder Array	108.40	49	P	Pdif	05 23 57.5	+3.8
DUG	comp=Z,23um,21.0s Dugway, Tooele	104.86	49	P	Pdif	05 23 41.4	+3.5	D08A	comp=Z,22um,20.0s Junction City	106.71	64	PFAKE	LR	PDAR	comp=Z,30um,22.0s Boulder Array	108.40	49	P	Pdif	05 23 58.9	+5.2
D05A	Enunclaw	104.94	39	PFAKE	LR	05 23 50.0	+12	JCT	comp=Z,22um,20.0s Junction City	106.71	64	P	Pdif	PDAR	comp=Z,0.1nm,0.3s,baz=17,slow=29,SNR=2.0,PKJKP					05 28 03.1	+3.4
D05A	comp=Z,19um,21.0s Dawson Inlet,	105.02	30	PFAKE	LR	05 28 00.0	+7.4	JCT	comp=Z,22um,20.0s Junction City	106.71	64	P	Pdif	PDAR	comp=Z,0.6nm,0.8s,baz=162,slow=3.4,SNR=3.0,PKJKP					05 39 10.3	+0.3
DIB	comp=Z,11um,21.0s China Poot	104.78	17	PFAKE	LR	05 23 50.0	+13	S22A	comp=Z,24um,21.0s 4UR Ranch, Cre	106.78	54	P	Pdif	PDAR	comp=Z,2.6nm,0.8s,baz=78,slow=4.4,SNR=11,PKJKP					05 39 23.0	-2.0
HOM	comp=Z,35um,20.0s Homer	104.81	17	PFAKE	LR	05 23 50.0	+13	MSTX	comp=Z,19um,20.0s Muleshoe	106.93	60	PFAKE	LR	DLMT	comp=Z,4.7nm,0.8s,baz=56,slow=9.1,SNR=7.4	108.41	45	PFAKE	LR	05 28 10.0	+11
HOM	comp=Z,32um,20.0s Dugway, Tooele	104.86	49	PFAKE	LR	05 23 50.0	+12	MSTX	comp=Z,19um,20.0s Muleshoe	106.93	60	P	Pdif	BESE	comp=Z,17um,18.0s Bessie Mountain	108.44	25	PFAKE	LR	05 28 10.0	+11
DUG	comp=Z,23um,21.0s Dugway, Tooele	104.86	49	P	Pdif	05 23 41.4	+3.5	TTA	comp=Z,20um,21.0s Glacier Island	106.94	19	PFAKE	LR	BESE	comp=Z,30um,22.0s Kantishna Hill	108.47	16	PFAKE	LR	05 28 10.0	+11
DUG	comp=Z,32um,20.0s Dugway, Tooele	104.86	49	P	Pdif	05 23 41.4	+3.5	GLI	comp=Z,18um,20.0s Port Fidalgo	106.97	19	PFAKE	LR	KTH	comp=Z,2.2um,21.0s	108.53	79	PFAKE	LR	05 28 10.0	+10
D05A	DIB	105.02	30	PFAKE	LR	05 28 00.0	+7.4	FID	comp=Z,20um,20.0s Cordova Ski Ar	106.98	19	PFAKE	LR	TEIG	comp=Z,7um,19.0s	108.57	54	P	Pdif	05 23 57.8	+3.1
D05A	comp=Z,19um,21.0s Dawson Inlet,	105.02	30	PFAKE	LR	05 28 00.0	+7.4	EYAK	comp=Z,21um,20.0s Colville Reser	107.03	40	PFAKE	LR	Q24A	comp=Z,2um,21.0s	108.57	54	P	Pdif	05 23 57.8	+3.1
D05A	comp=Z,11um,21.0s China Poot	104.78	17	PFAKE	LR	05 23 50.0	+13	EYAK	comp=Z,21um,20.0s Colville Reser	107.03	40	PFAKE	LR	FLWY	comp=Z,22um,21.0s	108.61	47	PFAKE	LR	05 28 10.0	+10
BBAC	Balboa, Cauca	105.04	101	eP	PP	05 28 04.5	+4.4	B08A	comp=Z,20um,21.0s Knik Glacier	107.09	18	PFAKE	LR	FLWY	comp=Z,22um,21.0s	108.61	47	PFAKE	LR	05 28 10.0	+10
BRKL	Bradley Lake	105.07	17	PFAKE	LR	05 28 00.0	+7.4	B08A	comp=Z,15um,21.0s Palmer	107.10	17	PFAKE	LR	MSO	comp=Z,28um,19.0s	108.67	43	P	Pdif	05 23 58.1	+3.4
BRKL	comp=Z,18um,20.0s Pilot Rock	105.07	42	PFAKE	LR	05 28 00.0	+6.8	ANM	comp=Z,12um,21.0s Nome	107.11	9	PFAKE	LR	MSO	comp=Z,30um,22.0s Missoula	108.67	43	P	Pdif	05 23 58.1	+3.4
G08A	comp=Z,28um,20.0s Pilot Rock	105.07	42	PFAKE	LR	05 28 00.0	+6.8	C09A	comp=Z,19um,22.0s Chrisman Ranch	107.16	41	PFAKE	LR	RND	comp=Z,10um,18.0s	108.88	47	P	Pdif	05 23 58.5	+2.6
G08A	comp=Z,24um,19.0s Heredia	105.17	90	PFAKE	LR	05 28 00.0	+5.7	C09A	comp=Z,39um,22.0s Hamilton	107.17	20	PFAKE	LR	BPAW	comp=Z,1.6um,20.0s	108.94	15	PFAKE	LR	05 28 10.0	+10
HDC	comp=Z,13um,21.0s Albuquerque	105.21	57	Pdiff	Pdif	05 23 41.3	+1.6	HMT	comp=Z,31um,20.0s Ulanbatar	107.17	319	PFAKE	LR	SKAG	comp=Z,3um,20.0s	108.99	25	PFAKE	LR	05 28 10.0	+10
HDC	comp=Z,13um,21.0s Albuquerque	105.21	57	Pdiff	Pdif	05 23 41.3	+1.6	HMT	comp=Z,10um,20.0s Ulanbatar	107.17	319	PFAKE	LR	SKAG	comp=Z,30um,20.0s	109.03	16	PFAKE	LR	05 28 10.0	+10
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	ULN	comp=Z,12um,21.0s Lillooet	107.44	37	PFAKE	LR	MCK	comp=Z,34um,20.0s	109.06	51	PFAKE	LR	05 28 10.0	+9.1
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	ULN	comp=Z,29um,22.0s White River Ci	107.47	52	PFAKE	LR	RWSC	comp=Z,19um,22.0s	109.08	101	PKJKP	PKKpbc	05 39 06.9	-0.1
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	GLI	comp=Z,29um,22.0s White River Ci	107.47	52	PFAKE	LR	RWSC	comp=Z,6.4nm,0.7s,baz=185,slow=12,SNR=6.3	109.08	101	PFAKE	LR	05 28 10.0	+8.0
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	FID	comp=Z,11um,20.0s White River Ci	107.47	52	P	Pdif	HKT	comp=Z,10um,21.0s	109.08	67	PFAKE	LR	05 28 10.0	+9.1
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	EYAK	comp=Z,20um,20.0s Cordova Ski Ar	106.98	19	PFAKE	LR	HKT	comp=Z,20um,19.0s	109.08	46	PFAKE	LR	05 28 10.0	+9.3
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	EYAK	comp=Z,20um,20.0s Cordova Ski Ar	106.98	19	PFAKE	LR	BOZ	comp=Z,1.6um,20.0s	109.08	46	PFAKE	LR	05 28 10.0	+9.3
ANMO	comp=Z,2.6nm,1.0s,baz=158,slow=3.6,SNR=3.2,PKJKP					05 27 56.7	+2.8	EYAK	comp=Z,20um,20.0s Cordova Ski Ar	106.98	19	PFAKE	LR	BOZ	comp=Z,1.6um,20.0s	109.08	46	PFAKE	LR	05 28 10.0	+9.3
ANMO	comp=Z,2.6nm,																				

21d 5h

Table with columns: Station, Name, Frequency, Power, Modulation, Status, Date, Time, Azimuth, Elevation, SNR, etc. Includes stations like BILL, SPBC, MLY, PHWY, WRH, DLBC, DLBC, RIDG, RIDG, WMOK, WMOK, DOT, DOT, HDA, HDA, K22A, K22A, RLMT, RLMT, CCB, CCB, KSCO, KSCO, MDM, MDM, TCOL, TCOL, COLA, COLA, COLA, COLA, ILAR, ILAR, ILAR, ILAR, MATP, MATP, RDOG, RDOG, BDFB, BDFB, BDFB, BDFB, NATX, NATX, NATX, NATX, ETX06, ETX06, PRP, PRP, EGMT, EGMT, EGMT, EGMT, OGNE, OGNE, EGAK, EGAK, CBKS, CBKS, CBKS, CBKS, FYU, FYU, RSSD, RSSD, RSSD, RSSD, TUL1, TUL1, TUL1, TUL1, WIN, WIN, LAO, LAO, LAO, LAO, WLAR, WLAR, TOLK, TOLK, TOLK, TOLK, MIAR, MIAR, MIAR, MIAR, EPYK, EPYK, EPYK, EPYK, VBMS, VBMS.

2013 JUL

Table with columns: Station, Name, Frequency, Power, Modulation, Status, Date, Time, Azimuth, Elevation, SNR, etc. Includes stations like VBMS, HHAR, CCAR, UALR, UALR, BGNE, BGNE, SDV, SDV, SDV, SDV, WHAR, WHAR, DGMT, DGMT, U40A, U40A, FCAR, FCAR, WMQ, WMQ, WMQ, WMQ, LSZ, LSZ, LSZ, LSZ, PTGA, PTGA, PTGA, PTGA, SUSU, SUSU, TSMJ, TSMJ, HBAR, HBAR, 147A, 147A, BRAL, BRAL, 450A, 450A, DHRM, DHRM, OXF, OXF, OXF, OXF, 249A, 249A, INK, INK, INK, INK, INK, INK, 148A, 148A, 451A, 451A, GNAR, GNAR, ECSD, ECSD, ECSD, ECSD, PBMO, PBMO, CCM, CCM, 250A, 250A, HALT, HALT, LRAL, LRAL, PVMO, PVMO, PARMO, PARMO, GLAT, GLAT, X47A, X47A, 061Z, 061Z, PLAL, PLAL, 957A, 957A, TIXI, TIXI, TIXI, TIXI, 352A, 352A, SCIA, SCIA, 453A, 453A, X48A, X48A, 059A, 059A, SLM, SLM.

1098

Table with columns: Station, Name, Frequency, Power, Modulation, Status, Date, Time, Azimuth, Elevation, SNR, etc. Includes stations like SLM, Y49A, Y49A, Z50A, Z50A, T45A, T45A, WVT, WVT, WVT, WVT, 656A, 656A, GTBY, GTBY, DWPF, DWPF, 555A, 555A, YKA, YKA, YK3, YK3, 060A, 060A, 152A, 152A, 253A, 253A, TIGA, TIGA, N41A, N41A, T46A, T46A, V48A, V48A, W49A, W49A, X50B, X50B, ZSN, ZSN, Z52A, Z52A, SWET, SWET, L40A, L40A, NIL, NIL, T47A, T47A, 658A, 658A, CLTN, CLTN, USIN, USIN, V49A, V49A, 456A, 456A, OLIL, OLIL, X51A, X51A, X51A, X51A, W50A, W50A, W50A, W50A, AGMN, AGMN, AGMN, AGMN, FFC, FFC, FFC, FFC, HDIL, HDIL, HDIL, HDIL, Y52A, Y52A, Y52A, Y52A, W51A, W51A, U49A, U49A, V50A, V50A, 044A, 044A, Y53A, Y53A, 155A, 155A, L42A, L42A, L42A, L42A, MK31, MK31, MK31, MK31, MKAR, MKAR, X52A, X52A, CPCT, CPCT.

21d 5h

Table with columns: Station ID, Name, Frequency, Power, Class, Modulation, and Signal Quality. Includes stations like Rocky Mt, Perry, Windy Hill, Kurchatov, etc.

2013 JUL

Table with columns: Station ID, Name, Frequency, Power, Class, Modulation, and Signal Quality. Includes stations like FCC, FCC, W61A, U59A, etc.

1100

Table with columns: Station ID, Name, Frequency, Power, Class, Modulation, and Signal Quality. Includes stations like CBN, CBN, ERPA, ERPA, etc.

ATD	Arta Tunnel	128.18	249	eP	PKIKP	05 28 40.8	+2.1
ATD	Wesleyville	128.20	61	eS	SP	05 40 38.3	-8.8
WLVO	Greenville	128.31	67	P	PKPdf	05 28 36.9	-0.5
P60A	Hilton	128.31	62	PFAKE	LR	05 28 50.0	+12
J55A	comp-Z,34µm,19.0s						
J55A	Hilton	128.31	62	P	PKIKP	05 28 37.9	0.0
F52A	Sundridge	128.36	59	P	PKIKP	05 28 38.0	0.0
M58A	Pence's Panora	128.42	65	P	PKPdf	05 28 37.2	-0.5
PSUB	Prin St - Bra	128.49	67	PFAKE	LR	05 28 50.0	+12
PSUB	comp-Z,14µm,19.0s						
G53A	Haliburton	128.54	60	P	PKPdf	05 28 37.3	-0.5
E51A	G1948 Merrick	128.58	56	P	PKPdf	05 28 37.9	+0.2
O60A	Telford	128.69	67	P	PKIKP	05 28 38.7	-0.1
N59A	State Game Lan	128.70	66	PFAKE	LR	05 28 50.0	+11
N59A	State Game Lan	128.70	66	P	PKIKP	05 28 39.0	+0.2
I55A	Frankford	128.79	61	P	PKIKP	05 28 38.6	-0.2
P61A	Hammont	128.83	68	P	PKPdf	05 28 37.9	-0.5
LUPA	Lehigh Univrs	128.83	66	PFAKE	LR	05 28 50.0	+11
LUPA	comp-Z,1µm,19.0s						
ANKE	Ethiopia-Afar	128.95	244	eP	PKPdf	05 28 39.5	-0.5
ANKE	Ethiopia-Afar	128.95	244	eP	PKPdf	05 28 39.5	-0.5
BANO	Bancroft	128.96	60	P	PKPdf	05 28 38.3	-0.2
DELO	Deloro Mine	128.96	61	PFAKE	LR	05 28 50.0	+11
DELO	Deloro Mine	128.96	61	P	PKPdf	05 28 38.3	-0.2
KSPA	Keystone Colle	128.97	65	PFAKE	LR	05 28 50.0	+11
E52A	Mattawa	128.98	59	P	PKPdf	05 28 38.2	-0.3
BINY	Binghamton	129.09	64	ePKPdf	LR	05 28 38.2	-0.7
BINY	Binghamton	129.09	64	P	PKPdf	05 28 38.9	0.0
L58A	Harry Jones Me	129.12	65	P	PKPdf	05 28 37.5	-1.4
PECO	Prince Edward	129.13	62	PFAKE	LR	05 28 50.0	+10
PECO	Prince Edward	129.13	62	P	PKIKP	05 28 39.5	-0.1
N60A	Cedar Hill Far	129.14	66	P	PKPdf	05 28 38.9	0.0
FURI	Furi	129.15	243	PFAKE	LR	05 28 50.0	+9.0
FURI	Furi	129.15	243	eP	PKIKP	05 28 43.1	+2.1
FURI	Furi	129.15	243	eP	Sdf	05 39 00.8	+5.9
O61A	Allentown	129.18	67	P	PKIKP	05 28 39.5	-0.3
AAE	Adis Abeba	129.19	243	eP	PKIKP	05 28 43.1	+2.1
AAE	Adis Abeba	129.19	243	eP	PKIKP	05 28 43.1	+2.1
AAE	Adis Abeba	129.19	243	eP	Sdf	05 39 13.3	+1.8
M59A	Waymart	129.19	65	P	PKIKP	05 28 39.6	-0.3
ALGO	Algonquin Park	129.24	59	P	PKPdf	05 28 38.9	-0.1
H55A	Tweed	129.25	61	P	PKIKP	05 28 40.1	+0.3
D52A	ZEK Kipawa Sen	129.40	58	P	PKIKP	05 28 40.0	-0.1
PLVO	Plevna	129.52	61	P	PKIKP	05 28 40.2	-0.1
E53A	Dumoine, Ponti	129.65	59	P	PKIKP	05 28 40.5	-0.1
PEMO	Pembroke	129.65	60	P	PKPdf	05 28 39.6	-0.2
BRVK	Borovoye	129.66	310	ePKPdf	LR	05 28 36.6	-3.0
BRVK	Borovoye	129.66	310	ePKPdf	MLR	05 28 37.9	-1.7
G55A	Calabogie	129.83	60	P	PKIKP	05 28 41.8	+0.9
H56A	Elgin	129.88	61	P	PKPdf	05 28 39.9	-0.3
CPNY	Central Park	129.89	67	PFAKE	LR	05 28 50.0	+8.8
RES	Resolute Bay	129.89	20	PKP	PKIKP	05 28 40.7	+0.5
RES	Resolute Bay	129.89	20	ePKPdf	LR	05 28 38.3	-1.1
RES	Resolute Bay	129.89	20	ePKIKP	MLR	05 28 38.3	-1.1
D53A	Lac Vacive, Po	129.89	58	ePKPdf	LR	05 28 38.7	-1.5
D53A	Lac Vacive, Po	129.89	58	P	PKPdf	05 28 40.1	-0.1
E54A	Lac Daplat, Po	129.98	59	P	PKIKP	05 28 41.2	0.0
ASCN	Ascension	129.98	169	PFAKE	LR	05 28 50.0	+7.7
PAL	Palisades	130.01	67	PFAKE	LR	05 28 50.0	+8.6
PAL	Palisades	130.01	67	P	PKIKP	05 28 42.1	+0.6
DESE	Dese	130.11	246	eP	PKIKP	05 28 48.7	+5.8
DESE	Dese	130.11	246	eP	PKPdf	05 28 29.7	-1.2
M61A	Granite Spring	130.24	66	P	PKIKP	05 28 42.5	+0.6
F55A	Otter Lake	130.29	60	P	PKIKP	05 28 42.6	+0.8
VLD0	Vai d'Or	130.42	57	ePKPdf	LR	05 28 39.1	-2.1
D54A	Lac Fusel, La	130.58	58	P	PKIKP	05 28 42.2	-0.2
KSCT	Kent School, K	130.60	66	PFAKE	LR	05 28 50.0	+7.4
ORIO	Orleans, Innes	130.70	61	P	PKPdf	05 28 41.5	-0.3
YLE	Yale	130.81	67	PFAKE	LR	05 28 50.0	+7.0
TRY	Troy	130.88	65	PFAKE	LR	05 28 50.0	+6.9
NAT0	Matagami	130.88	55	P	PKIKP	05 28 42.8	-0.1
NCB	Newcomb	130.99	63	PFAKE	LR	05 28 50.0	+6.6
LONY	Lake Ozonia	130.99	62	PFAKE	LR	05 28 50.0	+6.7
LONY	Lake Ozonia	130.99	62	P	PKIKP	05 28 43.0	-0.4
LSQ0	Label-sur-Quev	131.05	56	P	PKIKP	05 28 43.5	+0.2
QUA2	Belchertown	131.59	66	PFAKE	LR	05 28 50.0	+5.4
FRNY	Flat Rock	131.73	62	PFAKE	LR	05 28 50.0	+5.2
FRNY	comp-Z,34µm,19.0s						

GEYT	Alibeck	131.87	288	PKP	PKPpdf	05 28 44.4	+0.1
GYA0B	ALIBECK ARRAY	131.87	288	0.6,SNR=9.9	PFAKE	05 29 00.0	+15
GYA0B	comp-Z,13µm,21.0s				LR		
BRYW	Bryant College	132.01	66	PFAKE	LR	05 29 00.0	+15
BRYW	comp-Z,16µm,18.0s						
VT1	Waterbury	132.10	63	PFAKE	LR	05 29 00.0	+14
VT1	comp-Z,24µm,20.0s						
HNH	Hanover	132.19	64	PFAKE	LR	05 29 00.0	+14
HNH	comp-Z,29µm,22.0s						
HRV	Adam Dzewonski	132.22	66	PFAKE	LR	05 29 00.0	+14
HRV	comp-Z,20µm,22.0s						
HRV	Adam Dzewonski	132.22	66	P	PKIKP	05 28 46.2	+0.3
HRV	Weston	132.34	66	PFAKE	LR	05 29 00.0	+14
WES	Weston	132.34	66	PFAKE	LR	05 29 00.0	+14
WES	comp-Z,14µm,19.0s						
BCX	Boston College	132.42	66	PFAKE	LR	05 29 00.0	+14
BCX	comp-Z,13µm,18.0s						
M65A	Busby, Falmout	132.49	67	P	PKIKP	05 28 46.1	-0.3
FFD	Franklin Falls	132.52	64	PFAKE	LR	05 29 00.0	+14
FFD	comp-Z,36µm,22.0s						
LBNH	Lisbon	132.62	63	PFAKE	LR	05 29 00.0	+13
LBNH	comp-Z,24µm,20.0s						
LBNH	Lisbon	132.62	63	P	PKIKP	05 28 46.7	+0.1
BBSR	BB Station	132.76	81	PFAKE	LR	05 29 00.0	+13
BBSR	comp-Z,6µm,19.0s						
CHGO	Chibougama	132.93	55	P	PKPdf	05 28 46.1	+0.2
CHGO	comp-Z,29µm,22.0s						
RAYN	Ar Rayn	133.97	263	ePKPdf	LR	05 28 47.0	-1.8
RAYN	comp-Z,12µm,19.0s						
RAYN	Ar Rayn	133.97	263	PKIKP	PKPpdf	05 28 49.6	-0.5
RAYN	Ar Rayn	133.97	263	ePKIKP	MLR	05 28 47.0	-1.8
WVL	Waterville	134.26	64	PFAKE	LR	05 29 00.0	+10
WVL	comp-Z,26µm,20.0s						
AB31	Akbulak array	134.70	303	iPKHKP	PKPpre	05 28 37.7	
AB31	comp-Z,12µm,0.9s						
ABKAR	Akbulak array	134.70	303	ePKPdf	PKPpdf	05 28 48.4	-0.8
PKME	Peaks-Kenny Pk	134.74	63	PFAKE	LR	05 29 00.0	+9.2
PKME	comp-Z,32µm,19.0s						
EMMW	East Machias	135.79	64	PFAKE	LR	05 29 00.0	+7.0
EMMW	comp-Z,33µm,22.0s						
SVE	Sverdlorsk	135.98	314	iPKIKP	PKPpdf	05 28 51.0	-0.4
SVE	comp-Z,46µm,1.1s						
SVE	Sverdlorsk	135.98	314	ePPP	PKP	05 34 31.2	
SVE	Sverdlorsk	135.98	314	ePPP	PKP	05 54 30.3	
SVE	comp-Z,14µm,23.0s						
SVE	comp-E,12µm,23.0s						
PQI	Presque Isle	136.02	61	PFAKE	LR	05 29 00.0	+6.6
PQI	comp-Z,31µm,18.0s						
AKTO	Aktyubinsk	136.21	304	PKHKP	PKPpre	05 28 42.5	
AKTO	comp-Z,26µm,1.0s						
TULEG	Thule	136.33	18	PFAKE	LR	05 29 00.0	+6.8
TULEG	comp-Z,14µm,21.0s						
GGN	Saint George	136.33	64	PFAKE	LR	05 29 00.0	+5.9
GGN	comp-Z,30µm,21.0s						
ARU	Arti	137.05	313	SKPbc	SKPbc	05 32 22.2	-3.4
ARU	Arti	137.05	313	SKPbc	SKPbc	05 28 53.5	+0.1
ARU	Arti	137.05	313	ePKPdf	PKPpdf	05 28 52.8	-0.6
FRB	Frøbisher Bay	138.17	36	ePKIKP	PKPpdf	05 28 50.5	-4.7
FRB	comp-Z,9.2µm,0.6s						
FRB	Frøbisher Bay	138.17	36	PKHKP	SKPbc	05 32 29.7	+1.2
FRB	comp-Z,3.2µm,1.0s						
HAL	Halifax	138.39	66	PFAKE	LR	05 29 10.0	+12
HAL	comp-Z,22µm,22.0s						
SCHO	Schefferville	138.52	50	PKHKP	PKPpdf	05 28 52.1	-4.1
SCHO	comp-Z,5.7µm,0.8s						
SCHO	Schefferville	138.52	50	ePKPdf	PKPpdf	05 28 53.0	-3.1
AKT	Akty	140.62	288	ePKIKP	PKPpdf	05 28 59.5	+1.1
AKT	comp-Z,39µm,1.0s						
MAK	Makhachkala	141.23	290	iP	Pdf	05 26 19.5	+0.1
MAK	comp-Z,33µm,1.0s						
MAK	Makhachkala	141.23	290	ePKP	PKPpdf	05 32 08.4	
MAK	Makhachkala	141.23	290	ePPP	PKP	05 35 09.3	
MAK	Makhachkala	141.23	290	eSS	SS	05 36 10.5	
MAK	Makhachkala	141.23	290	eSS	SS	05 50 27.7	-5.1
MAK	Makhachkala</						

SUE		eSKPdf	SKPdf	05 32 59.9	-0.5	
SUE		eSS	SS	05 35 56.6	+2.0	
LTVH	Ltavrtes, Hu	PKPdf	PKPdf	05 29 30.0	+0.6	
LTVH		ePP	PP	05 33 49.1	-1.0	
LTVH		eSS	SS	05 34 35.1	+3.8	
KONO	Kongsberg	FAKE		05 29 40.0	+1.1	
KONO		LR	LR			
comp=Z,10um,21.0s						
KONO	Kongsberg	ePKPdf	PKPdf	05 29 28.4	-0.7	
KONO		ePKPab	PKPab	05 30 07.7	-0.1	
KONO		ePKPdf	PKPdf	05 33 02.5	+0.3	
KONO		ePP	PP	05 33 49.6	+0.1	
KONO		eSS	SS	05 35 57.5	+1.8	
KONO		IVMs_BB	IVMs_BB	06 23 21.4		
comp=Z,1um,39.6s						
FSK	Fiskardø	P	PKPdf	05 29 29.6	-0.2	
PENT	Pentafolos	P	PKPdf	05 29 31.3	+1.3	
LKD2	Lefkada island	P	PKPdf	05 29 28.8	-1.1	
JAN	Janina	P	PKPdf	05 29 29.1	-0.9	
SKO	Skopje	iPKP	PKPdf	05 29 33.8	+3.9	
MDRV	Moldovita	iPKP	PKPdf	05 29 28.8	-1.1	
SIRR	Siria	iPKP	PKPdf	05 29 27.9	-1.9	
BZS	Buzias	iPKP	PKPdf	05 29 28.3	-1.6	
BZS	Buzias	iPKP	PKPdf	05 29 28.3	-1.6	
ASK	Askoy	ePKPdf	PKPdf	05 29 34.2	-0.8	
BER	Bergen	ePKPdf	PKPdf	05 29 29.1	-0.4	
BER		ePKPab	PKPab	05 30 09.7	+0.1	
BER		ePKPdf	PKPdf	05 33 01.6	+0.2	
BER		ePP	PP	05 33 52.6	+1.0	
BER		eSS	SS	05 34 02.1	+2.2	
OHR	Ohrig	iPKP	PKPdf	05 29 34.6	+4.2	
IGI	Igoumenitsa	P	PKPdf	05 29 29.1	-1.3	
ODD1	Odda	ePKPdf	PKPdf	05 29 30.9	+1.6	
ODD1		ePKPab	PKPab	05 30 10.1	-0.2	
ODD1		ePP	PP	05 33 52.5	+0.0	
ODD1		eSS	SS	05 34 03.4	+1.8	
NIE	Niedzica	ePKPdf	PKPdf	05 29 29.2	-1.0	
NIE		ePKPab	PKPab	05 30 19.0	+0.6	
NIE		ePKIKP	PKPab	05 34 01.6	+7.7	
OJC	Ojcow	ePKPdf	PKPdf	05 29 29.2	-1.1	
OJC		ePP	PP	05 34 01.6	+7.2	
OJC		ePKPdf	PKPdf	05 29 29.0	-1.3	
OJC		ePKPab	PKPab	05 30 10.2	-1.4	
OJC		ePKIKP	PKPab	05 29 29.2	-1.1	
OJC		ePKIKP	PKPab	05 34 01.6	+7.7	
H07S1	FLORES T-PHASB	60.45 88	ePKPdf	05 29 35.8	+5.1	
KRUB	Ambrfalva	160.51 293	ePKPdf	05 29 32.0	+1.6	
AMBH		ePP	PP	05 33 53.1	-1.9	
SRH	Sarande	P	PKPdf	05 29 29.0	-1.3	
PHN	Peshkopia	60.54 279	P	PKPdf	05 29 28.4	-2.4
H07P1	FLORES T-PHASB	60.45 87	ePKPdf	05 29 35.8	+5.1	
TPE	Tepeleina	160.60 274	P	PKPdf	05 29 33.1	+2.3
KEK	Kerkira	160.63 273	P	PKPdf	05 29 27.2	-3.7
BLSS	Blasjo	160.71 341	ePKPdf	05 29 29.8	-0.5	
BLSS		ePKPab	PKPab	05 30 12.9	+0.6	
BLSS		ePP	PP	05 33 55.1	+0.1	
BLSS		eSS	SS	05 34 08.3	+1.7	
BLSS		IVMs_BB	IVMs_BB	06 25 05.1		
comp=Z,934nm,16.9s						
GKP	Gorka Kiasztor	160.77 315	ePKPdf	05 29 29.0	-1.5	
GKP		ePP	PP	05 33 57.1	+1.2	
GKP		ePKIKP	PKPab	05 29 29.0	-1.5	
GKP		ePKIKP	PKPab	05 33 57.1	+1.2	
PSZ	Piszkesteto	160.89 298	iPKP	05 29 28.8	-2.2	
PSZ		iPKP	PKPab	05 29 28.8	-2.2	
PSZ		eSS	SS	05 33 49.1	-8.0	
PSZ		ePP	PP	05 34 43.1	+3.3	
TIR	Tirane	160.91 278	ePKPdf	05 29 29.2	-1.9	
TIR		ePKPab	PKPab	05 30 13.1	-0.7	
TIR		ePKPab	PKPab	05 29 29.0	-1.3	
TIR		ePKPab	PKPab	05 29 29.6	-1.5	
TIR		ePKIKP	PKPab	05 29 29.2	-1.9	
LANS	Liptovska Anna	160.92 302	ePKIKP	05 29 40.3	+9.4	
LANS	Liptovska Anna	160.92 302	ePKPab	05 29 40.3	+9.4	
LANS		ePKPab	PKPab	05 30 13.1	-0.7	
BSD	Bornholm Skovb	160.95 322	iPKIKP	05 29 27.1	-3.5	
BSD		iPKP	PKPab	05 29 27.1	-3.5	
PVY	Plav	161.01 281	iPKP	05 29 29.4	-1.9	
DIVS	Divivare	161.09 286	iPKP	05 29 29.5	-1.8	
IWA	Iberane	161.09 282	iPKP	05 29 29.5	-1.8	
HOMB	Homborsund	161.14 336	ePKPdf	05 30 14.2	+0.4	
HOMB		ePKPab	PKPab	05 30 14.2	+0.4	
KMY	Karmoy	161.18 342	ePKPdf	05 29 30.3	-0.4	
KMY		ePKPab	PKPab	05 30 14.2	+0.4	
FRS	Fruska Gora	161.22 289	iPKP	05 29 28.1	-1.9	
LRW	Lerwick	161.32 353	ePKPdf	05 29 27.9	-2.9	
LRW		IAMS_20	IAMS_20	07 01 44.2		
comp=Z,13um,17.8s						
KOME	Kolasin	161.36 282	iPKP	05 29 30.1	-1.6	
SNART	Snartemo	161.45 338	ePKPdf	05 29 26.5	-4.9	
SNART		ePKPab	PKPab	05 30 15.1	-0.4	
RAC	Raciborz	161.46 305	ePKIKP	05 29 30.5	-0.9	
RAC		eSS	SS	05 33 55.0		
RAC		eSS	SS	05 54 17.3	+1.4	
ULC	Ulcinj	161.46 279	iPKP	05 29 30.0	-1.7	
VYHS	Vyhne	161.47 300	ePKIKP	05 29 32.9	+1.4	
VYHS		ePKPab	PKPab	05 29 32.9	+1.4	
VYHS		ePKPab	PKPab	05 29 37.9		
VYHS		ePKPab	PKPab	05 30 19.2	-1.7	
VYHS		ePKPab	PKPab	05 29 28.3	-3.4	
PDG	Podgorica	161.51 281	iPKP	05 29 30.0	-1.7	
PDG		ePKPab	PKPab	05 29 29.7	-1.9	
TTG	Podgorica	161.51 281	iPKP	05 29 29.8	-1.9	
TTG		ePKPab	PKPab	05 29 29.8	-1.9	
TTG		ePKIKP	PKPab	05 30 14.6		
TTG		ePKIKP	PKPab	05 29 29.9	-1.7	
DRME	Dravecica, Mon	161.54 280	iPKP	05 29 29.2	-2.5	
DRME		ePKPab	PKPab	05 29 30.0	-1.7	
BUC	Budapest	161.54 297	ePKPab	05 29 27.1	-4.5	
OKC	Ostava-Krasne	161.57 304	ePKIKP	05 29 30.0	-0.7	
OKC		ePKPab	PKPab	05 29 30.0	-0.7	
OKC		ePKPab	PKPab	05 29 30.8	-0.7	
OKC		ePKPab	PKPab	05 30 16.3	-0.1	
OKC		ePKPab	PKPab	05 30 25.0	+1.1	
OKC		ePKPab	PKPab	05 30 25.0	+1.1	
comp=Z,10um,22.7s						
COP	Copenhagen	161.68 326	iPKIKP	05 29 28.5	-2.9	
COP		MLR	MLR			
comp=Z,8um,20.0s						
COP	Copenhagen	161.68 326	iPKP	05 29 28.5	-2.9	
comp=Z,7um,20.0s						
BUM	Brajič-Budva	161.76 280	iPKP	05 29 30.1	-2.0	
NKME	Niksic	161.76 282	iPKP	05 29 30.7	-1.3	
CEME	Cevo	161.77 281	iPKP	05 29 29.8	-2.3	
UPM	Unac-Piva	161.83 283	iPKP	05 29 30.3	-2.0	
MORC	Moravsky Berou	161.96 305	ePKPab	05 29 30.9	-1.1	
MORC		ePKPab	PKPab	05 29 31.5	-0.5	
MORC		ePKPab	PKPab	05 29 30.0	-1.1	
MORC		ePKPab	PKPab	05 29 29.7	-2.3	
MORC		eSS	SS	05 34 20.0	-1.2	
MORH	Mrgy, Hungar	161.96 293	iPKP	05 29 29.6	-2.4	
MORH		ePKPab	PKPab	05 29 31.0	-1.6	
MORH		ePP	PP	05 33 50.1	-1.3	
MORH		eSS	SS	05 35 55.1	+3.3	
CSKK	Cskako	162.07 297	ePKPab	05 29 31.0	-1.1	
CSKK		ePP	PP	05 34 02.1	-1.3	
HCY	Herceg Novi	162.07 281	iPKP	05 29 30.5	-1.8	
BRV	Bratogost	162.08 292	iPKP	05 29 30.5	-2.0	
PCED	Cedros	162.12 92	ePKPdf	05 29 31.0	+4.6	
JAVC	Velka Javorina	162.14 302	ePKPab	05 29 31.3	-0.9	
JAVC		eSS	SS	05 34 29.0	+5.7	
HOR	Horta	162.14 93	ePKPab	05 29 45.0	+1.3	
PCAN	Candelaria	162.23 93	ePKPab	05 29 38.2	+5.6	
PICO	Pico	162.29 93	ePKPab	05 29 38.0	+5.3	
KSP	Ksiaz	162.34 309	ePKPab	05 29 30.0	-1.4	
KSP		ePP	PP	05 34 06.8	+2.4	
KSP		ePKIKP	PKPab	05 29 30.9	-1.4	
MUD	Monsted U'grnd	162.38 332	iPKIKP	05 29 29.0	-3.1	
MUD		MLR	MLR			

MUD	Monsted U'grnd	162.38 332	iPKIKP	05 29 29.0	-3.1
MUD		MLR	MLR		
comp=Z,11um,19.0s					
TIH	Tihany	162.39 295	ePP	05 29 29.1	-3.4
TIH		ePP	PP	05 33 32.1	-1.3
TIH		eSS	SS	05 53 42.1	-4.4
PPNO	Prainha do Nor	162.40 93	ePKPab	05 29 38.5	+5.7
ROSA	Rosais	162.49 92	ePKPab	05 29 37.5	+4.7
OSTC	Ostas	162.50 308	ePKPab	05 29 31.4	-1.1
OSTC		ePKPab	PKPab	05 30 22.7	+2.2
OSTC		ePKPab	PKPab	06 43 00.0	
comp=Z,17um,23.0s					
DPC	Dobruska-Polom	162.51 307	ePKIKP	05 29 31.3	-1.2
DPC		MLR	MLR		
comp=Z,10um,21.6s					
DPC	Dobruska-Polom	162.51 307	ePKPab	05 29 31.3	-1.2
DPC		ePKPab	PKPab	05 30 20.5	-0.1
DPC		ePKPab	PKPab	05 30 28.7	
DPC		ePKPab	PKPab	06 47 20.0	
comp=Z,10um,21.6s					
MODS	Modra-Piesok	162.51 300	ePKIKP	05 29 33.7	+1.1
MODS		ePKPab	PKPab	05 29 33.7	+1.1
PMAN	Modra-Piesok	162.51 300	ePKPab	05 29 33.7	+1.1
PMAN		ePKPab	PKPab	05 29 38.7	+5.8
UPIC	Upice	162.63 308	ePKPab	05 29 36.9	+4.3
UPIC		ePKPab	PKPab	05 30 29.9	-0.2
UPIC		ePKPab	PKPab	05 30 29.2	+0.7
UPIC		ePKPab	PKPab	06 42 50.0	
comp=Z,17um,24.4s					
UPIC	Upice	162.63 308	ePKPab	05 29 36.9	+4.3
UPIC		ePKPab	PKPab	05 30 20.9	-0.2
UPIC		ePKPab	PKPab	05 30 29.2	+0.7
UPIC		ePKPab	PKPab	06 42 50.0	
comp=Z,17um,24.4s					
ZST	Bratislava	162.67 300	ePKIKP	05 29 33.7	+1.0
ZST		ePKPab	PKPab	05 29 33.7	+1.0
VRAC	Bratislava	162.69 304	ePKPab	05 29 33.2	+0.5
VRAC		ePKPab	PKPab	05 30 21.5	+0.1
comp=Z,2.9nm,1.1s,baz=148,slow=1.6,SNR=12					
VRAC	Vranov	162.69 304	iPKP	05 29 31.1	-1.6
VRAC		ePKPab	PKPab	05 29 31.0	-1.6
VRAC		ePKPab	PKPab	05 34 23.0	+5.3
VRAC		ePKPab	PKPab	05 29 30.5	-2.3
VRAC		ePKPab	PKPab	05 29 32.1	-1.1
VRAC		ePKPab	PKPab	05 30 19.3	-2.9
VRAC		ePKPab	PKPab	05 29 31.6	-1.6
VRAC		ePKPab	PKPab	05 29 32.1	-1.1
VRAC		ePKPab	PKPab	05 29 30.0	-2.5
VRAC		ePKPab	PKPab	05 29 36.0	+5.1
VRAC		ePKPab	PKPab	05 34 31.4	-1.8
VRAC		ePKPab	PKPab	05 30 21.8	-1.5
VRAC		ePKPab	PKPab	05 29 31.9	-1.4
VRAC		ePKPab	PKPab	05 29 30.6	-2.6
VRAC		ePKPab	PKPab	05 29 31.0	-1.8
VRAC		IAMS_20	IAMS_20	06 52 37.9	
comp=Z,13um,20.8s					
SOP	Sopron	163.14 298	ePKPab	05 29 30.1	-3.1
SOP		ePP	PP	05 33 59.1	-1.0
SOP		eSS	SS	05 54 42.1	+8.4
SOP		ePKPab	PKPab	05 29 31.3	-2.1
SOP		ePKPab	PKPab	05 29 30.7	-2.6
SOP		ePKPab	PKPab	05 29 30.0	-3.2
SOP		ePKPab	PKPab	05 33 54.0	-1.5
SOP		ePKPab	PKPab	05 29 40.6	+7.1
SOP		ePKPab	PKPab	05 29 37.7	+4.0
SOP		ePKPab	PKPab	06 51 00.0	
comp=Z,13um,19.1s					
PVCC	Panska Ves	163.47 309	ePKIKP	05 29 37.3	+3.9
PVCC		MLR	MLR		
comp=Z,11um,19.5s					
PVCC	Panska Ves	163.47 309	ePKPab	05 29 37.3	+3.9
PVCC		ePKPab	PKPab	05 34 20.1	+1.0
PVCC		ePKPab	PKPab	06 50 40.0	
comp=Z,11um,19.5s					
CONA	Conrad Observa	163.54 300	ePKPab	05 29 30.9	-2.8
CONA					

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MGZ McQueen's Vall, RPZ Rata Peaks, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMWZ Cape Campbell, CMWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PNHZ Pukenui, WPHZ Waipukurua, etc.

IDC 21 05:21:26.8, 1.0, 41.54Sx174.74E, h0km, mb4.1/3, mb1.4/3.4, mb1mx3.9/35, mbtmp4.1/4, ML4.0/1, Error ellipse: s-maj=0.30km s-min=19.4km az=134.0

s-maj=47.7km s-min=39.4km az=167.0, ISCJB 21 05:23:54.8, 0.3, 41.61Sx174.27E:0.03, h22km, 3km, mb3.7/2, Error ellipse: s-maj=6.3km s-min=0.34km az=147.1

WEL 21 05:23:54.3, 42 S:1:174.3E:1.0, h10km, 3km, M4.3/18, ML4.7/13, MLv4.3/18, Error ellipse: s-maj=0.0km s-min=0.0km az=150.8

NEIC 21 05:23:54.8, 0.0, 41.59Sx174.29E:0.03, h16km, 6km, After WEL, ISC 21 05:23:54.4, 0.0, 41.60Sx174.30E:0.03, h17km, 6km, 145, 09:53Z, Cook Strait

NEIC 21 05:23:54.3, 42 S:1:174.3E:1.0, h10km, 3km, M4.3/18, ML4.7/13, MLv4.3/18, Error ellipse: s-maj=0.0km s-min=0.0km az=150.8

NEIC 21 05:23:54.8, 0.0, 41.59Sx174.29E:0.03, h16km, 6km, After WEL, ISC 21 05:23:54.4, 0.0, 41.60Sx174.30E:0.03, h17km, 6km, 145, 09:53Z, Cook Strait

Main table section 1: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRR Warramunga Arr, etc.

Main table section 2: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WEL 21 05:27:38.0, 42 S:1:174.4E:1.2, h12km, M3.4/9, ML3.8/7, etc.

Main table section 3: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ Urewera, URZ Waipukurua, etc.

IDC 21 05:22:09.4, 1.6, 41.02Sx174.61E, h0km, mb4.2/2, mb1.4/4.2, mb1mx3.8/34, mbtmp4.2/2, Error ellipse: s-maj=101.4km s-min=42.4km az=18.0, Cook Strait

IDC 21 05:29:27.0, 0.8, 41.46Sx174.35E, h0km, mb4.4/4, mb1.4/5.6, mb1mx4.1/34, mbtmp4.3/6, ML3.6/2, Error ellipse: s-maj=28.3km s-min=12.6km az=130.0

IDC 21 05:31:35.1, 0.9, 41.47Sx174.35E, h0km, mb4.6/5, mb1.4/7.7, mb1mx4.2/31, mbtmp4.5/7, ML4.5/1, Error ellipse: s-maj=28.6km s-min=16.0km az=134.0

After WEL.
ISC 21 05:33:48.0, 5.41, 61S; 103.174, 37E; 0.103, h20km, 2km,
n105, r1943/107, mb4.8/3, Cook Strait

Error ellipse: s-maj=8.0km s-min=3.9km az=155.0
ISC 21 05:33:46.2, 0.4, 36.31N; 104.141, 80E; 0.104, h19km, n246,
r154/262, mb4.8/9.1, 8C-BD, Near east coast of eastern

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like Chosi, Hitachinakayam, Hitachi, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like WAKE ISLAND Hy, SONGIO Array, Lanzhou, etc.

ISC 21 05:33:43.0, 0.5, 36.19N; 141.78E, h0km, mb4.5/31,
mb1.4, 5/37, mb1mx4.4/55, mbtmp4.4/37, ML3.9/5, MS4.8/2,
Ms1.4, 9/2, ms1mx4.1/37, Error ellipse: s-maj=13.6km
s-min=10.0

ISC 21 05:33:44.6, 0.2, 36.27N; 103.141, 84E; 0.103, h19km,
mb4.7/91, Error ellipse: s-maj=4.2km s-min=2.9km
az=138.9
JMA 21 05:33:45.7, 0.2, 36.25N; 141.84E, h61km, 2.7km
BUJ 21 05:33:45.8, 0.0, 36.45N; 141.65E, h27km, mb4.9/38,
mb5.3/19, Ms5.4/21, Ms7.5/1, 21
MOS 21 05:33:47.1, 1.1, 36.48N; 141.73E, h33km, mb5.0/40, Error
ellipse: s-maj=8.0km s-min=5.0km az=108.8
NEIC 21 05:33:48.4, 1.4, 36.32N; 141.76E, h32km, 4km, mb4.8/51,

ISC 21 05:33:46.2, 0.4, 36.31N; 104.141, 80E; 0.104, h19km, n246,
r154/262, mb4.8/9.1, 8C-BD, Near east coast of eastern

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like LJJ, LJU, LKJ, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like GVZ, POWZ, BFZ, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like FDMO, SSFR, NRCA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like OBKA, MAGA, MYKA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like WEL, CMWZ, TCW, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like DUGI, NVLJ, ZIRJE, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like WEL, MOA, RETA, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like ZUR, SGT00, SGT01, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like WEL, WRA, TORD, etc.

21d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include Holdsworth Sta, Tophouse, Te Maipa, etc.

DDA 21 05:50:29.4, 36.82N, 27.41E, h7km, 1km, ML2.6
ISK 21 05:50:29.6, 36.80N, 27.50E, h15km, 1km, ML3.3/6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include Datca-Mugla, Datca, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include Bodrum, Yerkesik, etc.

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

WEL 21 05:51:07.2, 41'S, 13°17'4E, h12km, M3.6/10, ML3.9/6,
MLv3.6/10, Error ellipse: s-maj=0.0km s-min=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TCW, BHW, etc.

WEL 21 05:53:03.0, 41'6S, 09.174E, h8km, 2km, M3.4/15,
ML3.7/9, MLv3.4/15, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMWZ, BSWZ, etc.

WEL 21 05:54:27.4, 41.6S, 07.1743E, h15km, 1km, M3.6/16,
ML3.9/12, MLv3.6/16, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMWZ, BSWZ, etc.

WEL 21 05:55:27.3, 42'S, 11.174E, h19km, 4km, M3.3/7, ML3.6/6,
MLv3.7/7, Error ellipse: s-maj=0.0km s-min=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include TCW, BHW, etc.

WEL 21 05:57:18.6, 42'S, 11.1743E, h10km, 2km, M3.4/18,
ML3.6/13, MLv3.4/18, Error ellipse: s-maj=0.0km

2013 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMWZ, TUWZ, etc.

WEL 21 05:58:56.7, 42'S, 11.174E, h12km, 2km, M3.3/16,
ML3.5/13, MLv3.3/16, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMWZ, TCW, etc.

WEL 21 06:00:12.1, 41'5S, 09.174E, h7, h14km, 3km, M3.8/10,
ML4.0/8, MLv3.8/10, Error ellipse: s-maj=0.0km

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

IDC 21 06:00:21.9, 1.4, 40'80N, 19'51E, h0km, mb3.5/4,
mb1.3/5, mb1m3.3/27, mbtmb3.5/5, ML3.3/1, Error

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

ISC 21 06:00:24.0, 0.9, 40'68N, 01'19.58E, h0km, 7km,
n205, 0.1965/267, mb3.5/4, 25C-8D, Albania

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

OHR Ohrid, SCHR Santa Cesarea, SCTE

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Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NEST, NEST, etc.

Table with columns: RRRZ, Republican Roa, 3.59 27 P, Pn, 07 00 10.0 -0.1, etc. Includes various station codes and names like RRRZ, HLURZ, UTU, etc.

Table with columns: WEL 21 07:00:26.3, 0.6, 42.5, 3.17, 4E, h5km, 5km, M3, 2/1, etc. Includes station codes and names like Code, Station Name, etc.

Table with columns: MKAR Makanchi Array, 116.40 311, PKP, PKPdf, 07 21 39.0 -0.8, etc. Includes station codes and names like MKAR, KURK, BOS, etc.

ERM	ASAH	Asahikawa	8.54 9 P	Pn	07 06 07.0	07 05 19.5 -1.3
ASAJ		4.3nm,0.3s,baz=218,slow=12,SNR=39				
ASAJ		3.6nm,0.3s,baz=108,slow=19,SNR=37			07 06 54.3 -1.4	
JNU	Nakatsu	8.54 255 P	Pn	07 05 22.9 +1.9		
JNU		0.7nm,0.3s,baz=72,slow=10,SNR=14				
JNU	Nakatsu	8.54 255 ePn	Pn	07 05 20.5 +0.4		
GRPR	Tuman	9.15 23 eP	Pn	07 05 26.0 -3.2		
GRPR		comp=Z,91nm,0.3s				
LAGR	Lagunnoye	9.21 23 eP	Pn	07 05 27.5 -2.5		
LAGR		comp=Z,169nm,0.4s				
LAGR	Yuzh-Kuril'sk	9.21 24 eP	Pn	07 05 27.3 -2.8		
YUK		comp=Z,103nm,0.3s				
YUK		comp=Z,20nm,0.7s				
TEY	Ternei	9.85 343j eP	Pn	07 05 39.3 +0.5		
TEY		comp=Z,20nm,0.7s				
TEY		comp=E,10.0nm,0.9s				
KSRS	Korea Array	10.46 283 P	Pn	07 05 51.0 +3.9		
KSRS		comp=N,20nm,0.7s				
KSRS		comp=N,1.0nm,0.3s,baz=101,slow=14,SNR=52				
KSRS		comp=N,1.1um,19.6s,baz=341,slow=38				
KSRS	Korea Array	10.46 283 P	Pn	07 05 51.0 +3.9		
KSRS		comp=Z,1.0nm,0.3s				
KSRS		comp=Z,1.1um,19.6s				
KS15	Wonju Array Si	10.48 283 ePn	Pn	07 05 47.4 -0.1		
USRK	Ussuriysk Ar.	10.82 324 P	Pn	07 05 54.1 +2.0		
USRK		comp=Z,0.5nm,0.3s,baz=137,slow=12,SNR=14				
US0A8	Ussuriysk Arra	10.82 324 ePn	Pn	07 05 52.9 +0.8		
KUR	Kuril'sk	10.96 27 eP	Pn	07 05 55.9 -1.1		
KUR		comp=Z,35nm,0.6s				
KUR		comp=N,19nm,0.4s				
KUR		comp=E,14nm,0.4s				
KUR		comp=N,89nm,0.5s				
KUR		comp=E,78nm,0.5s				
YSS	Yuzh-Sakhalins	11.35 7 ePn	Pn	07 05 57.8 -1.5		
YSS	Yuzh-Sakhalins	11.35 7j ePn	Pn	07 05 57.8 -1.5		
YSS		comp=Z,20nm,0.6s				
MDJ	Mudanjiang	12.32 320 P	Pn	07 06 17.6 +5.0		
MDJ		comp=Z,20nm,1.0s				
MDJ		comp=Z,380nm,11.3s				
CN2	Changchun	14.27 309 eP	Pn	07 06 38.6 -0.4		
CN2		comp=Z,20nm,0.9s				
CN2		comp=Z,1um,17.0s				
CN2		comp=Z,880nm,17.0s				
CN2		comp=Z,900nm,17.0s				
KLR	Kul'dur	15.05 337 P	Pn	07 06 47.0 -2.4		
KLR		comp=Z,0.4nm,0.3s,baz=151,slow=11,SNR=8.5				
KLR	Kul'dur	15.05 337 c/P	Pn	07 06 47.2 -2.2		
TYV	Tymovskoe	15.23 5 eP	Pn	07 06 49.9 -1.8		
TYV		comp=Z,39nm,0.8s				
TYV		comp=E,3.0nm,1.2s				
GRNR	Gorny	15.39 350 eP	P	07 06 57.4 -0.4		
GRNR		comp=Z,21nm,1.0s				
DL2	Dalian	15.54 288 P	Pn	07 06 58.3 -1.2		
DL2		comp=Z,50nm,1.1s				
NJ2	Nanjing	18.52 265 eP	Pn	07 07 33.4 +0.4		
NJ2		comp=Z,12nm,0.6s				
SKR	Severo-Kuril's	18.66 32 eP	Pn	07 07 35.3 +0.8		
SKR		comp=Z,36nm,1.0s				
BJT	Baijiatuu	19.86 290 eP	P	07 07 45.5 -1.5		
BJT		comp=Z,27nm,1.0s				
BJT	Baijiatuu	19.86 290 eP	Pn	07 07 45.5 -1.5		
BJT		comp=Z,27nm,1.0s				
ZEA	Zeya	20.37 337 eP	P	07 07 49.8 -2.6		
ZEA		comp=Z,29nm,1.0s				
HIA	Hailar	20.50 318 eP	P	07 07 52.5 -1.4		
HIA		comp=Z,12nm,0.4s				
HIA	Hailar	20.50 318 eP	P	07 07 52.5 -1.4		
HIA		comp=Z,12nm,0.4s				
PEA0B	Petrovskoyevsk	21.12 29 eP	P	07 08 02.6 +2.0		
PETK	Petrovskoyevsk	21.12 29 eP	P	07 08 02.4 +1.8		
PETK		comp=Z,15nm,0.9s,baz=218,slow=8.9,SNR=29.5				
PEA1	Petrovskoyevsk	21.12 29 eP	P	07 08 02.4 +1.8		
TBUP	Tapu	21.37 240 eP	P	07 08 00.6 -2.9		
GUMO	Guam	22.32 169 P	P	07 08 14.9 +1.3		
WHN	Wuhan	22.68 264 j/P	Pn	07 08 16.1 -1.1		
WHN		comp=Z,58nm,0.7s				
HHC	Hu-ho-hao-te	23.42 292 P	Pn	07 08 24.5 -0.5		
HHC		comp=Z,13nm,0.9s				
MA2	Magadan	24.78 12 P	P	07 08 38.5 +1.4		
MA2		comp=Z,28nm,0.7s,baz=193,slow=8.5,SNR=14				
MA2	Magadan	24.78 12 eP	P	07 08 37.4 +0.2		
MA2		comp=Z,36nm,0.9s				
MA2	Magadan	24.78 12 ceP	Pn	07 08 38.1 +0.9		
MA2		comp=Z,30nm,0.7s				
XAN	Xi'an	26.10 276 eP	P	07 08 47.7 -1.8		
XAN		comp=Z,10nm,0.9s,baz=10,slow=11,SNR=3.3				
XAN	Xi'an	26.10 276 eP	P	07 08 47.7 -1.8		
XAN		comp=Z,23nm,0.8s				
XAN	Enshi	26.70 267 eP	P	07 08 52.7 -2.2		
ENH	Enshi	26.70 267 eP	P	07 08 52.7 -2.2		
YAK	Yakutsk	27.27 349 eP	P	07 08 59.4 -0.2		
YAK		comp=Z,38nm,0.9s				
YAK	Yakutsk	27.27 349 eP	P	07 08 58.1 -1.5		
YAK		comp=Z,21nm,1.1s				
YAK		comp=N,18nm,1.3s				
YAK		comp=E,6.0nm,1.4s				
ULN	Ulanbaatar	27.68 307 eP	P	07 09 03.1 -0.6		
ULN		comp=E,10nm,0.8s				
ULN	Ulanbaatar	27.68 307 ceP	P	07 09 03.1 -0.6		
ULN		comp=Z,19nm,1.3s				
SONAO	Songino Array	28.11 306 eP	P	07 09 06.3 -1.2		
SONM	Songino Array	28.11 306 P	P	07 09 06.3 -1.2		
SONM		comp=Z,5.8nm,0.7s,baz=101,slow=9.3,SNR=16				
SEY	Seymchan	28.21 11 P	P	07 09 09.0 +1.0		
SEY		comp=Z,10nm,0.9s,baz=227,slow=5.4,SNR=7.9				
SEY	Seymchan	28.21 11 P	P	07 09 09.3 +1.3		
BOD	Bodaibo	28.39 330 eP	P	07 09 09.5 -0.2		
BOD		comp=Z,25nm,1.3s				
LZH	Lanzhou	29.78 282 eP	P	07 09 21.5 -1.0		
LZH		comp=Z,76nm,4.9s				
LZH		comp=Z,370nm,12.9s				

LZH		comp=Z,380nm,13.2s				
LZH		comp=Z,500nm,16.5s				
GYA	Guiyang	30.48 262 j/P	P	07 09 26.8 -1.8		
GYA		comp=Z,30nm,1.0s				
GYA		comp=Z,120nm,5.2s				
GYA		comp=Z,740nm,18.3s				
GYA		comp=Z,820nm,16.8s				
GYA		comp=Z,1um,17.4s				
ZAK	Zakamensk	30.70 310 eP	Pn	07 09 44.8 +1.4		
ZAK		comp=Z,4.0nm,0.9s				
CD2	Chengdu	31.15 272 eP	P	07 09 32.5 -2.0		
KMI	Kunming	34.23 263 P	P	07 10 02.0 +0.3		
KMI		comp=Z,8.0nm,0.5s				
BILL	Bilibino	35.47 16 eP	P	07 10 12.7 +1.1		
BILL	Bilibino	35.47 16 j/P	P	07 10 13.2 +1.6		
BILL		comp=Z,14nm,1.1s				
BILL		comp=Z,18nm,1.7s				
BILL		comp=Z,7um,19.0s				
TIXI	Tiksi	36.56 354 i/P	Pn	07 10 20.9 +0.1		
TIXI		comp=Z,10.0nm,1.0s				
NONG	Nongkai	37.57 252 P	P	07 10 29.3 -0.7		
NONG		comp=Z,0.5nm,0.9s				
FANG	Fankou	39.22 193 eP	P	07 10 43.8 -0.1		
CHAI	Chaiyaphum	39.73 250 P	P	07 10 48.5 +0.3		
CHAI		comp=Z,38nm,1.1s				
CHAI	Chaiyaphum	39.73 250 P	P	07 10 48.5 +0.3		
CHAI		comp=Z,18um,1.0s,comp=Z,382um				
UTTA	Uttsadai	39.77 254 P	P	07 10 49.5 +1.0		
PBK	Sadao Pong	40.12 252 P	P	07 10 51.4 0.0		
PBK		comp=Z,9.6nm,0.9s				
CMMT	Chiang Mai	40.44 257 P	P	07 10 58.1 +4.0		
CHTO	Chiang Mai	40.44 257 P	P	07 10 58.1 +4.0		
CHTO		comp=Z,9.0nm,1.0s				
CM31	Chiang Mai Arr	40.64 256 eP	P	07 10 54.7 -1.0		
CMAR	Chiang Mai Arr	40.64 256 P	P	07 10 53.9 -1.8		
CMAR		comp=Z,1.0nm,0.4s,baz=45,slow=7.9,SNR=4.2				
CMAR	Chiang Mai Arr	40.64 256 i/P	P	07 11 00.3 +4.6		
CMAR		comp=Z,2.0nm,0.8s				
WMQ	Urumqi	40.97 298 eP	P	07 11 00.1 +1.8		
WMQ		comp=Z,29nm,0.9s				
WMQ		comp=Z,340nm,11.9s				
WMQ		comp=Z,1um,20.3s				
WMQ		comp=Z,2um,19.1s				
LSA	Lhasa	41.80 276 eP	P	07 11 06.2 +0.5		
LSA		comp=Z,3um,20.3s				
LSA	Lhasa	41.80 276 eP	P	07 11 06.2 +0.5		
LSA		comp=Z,19nm,0.9s				
ZAA0	Zalesovo Array	42.43 313 eP	P	07 11 09.6 -0.3		
ZAA0		comp=Z,1.9nm,0.9s				
ZAA1	Zalesovo Array	42.43 313 eP	P	07 11 10.0 +0.1		
ZALV	Zalesovo Beam	42.43 313 P	P	07 11 10.0 +0.1		
ZALV		comp=Z,15nm,0.8s,baz=92,slow=6.5,SNR=47				
ZALV		comp=Z,1.6nm,0.4s,baz=94,slow=2.7,SNR=3.2				
MK31	Makanchi Array	44.38 303 eP	P	07 11 25.8 0.0		
MK31		comp=Z,15nm,1.0s				
MK31	Makanchi Array	44.38 303 eP	P	07 11 25.8 0.0		
MK31		comp=Z,15nm,1.0s				
MK32	Makanchi Array	44.38 303 eP	P	07 11 25.8 -0.1		
MKAR	Makanchi Array	44.38 303 P	P	07 11 25.8 -0.1		
MKAR		comp=Z,13nm,0.7s,baz=87,slow=6.6,SNR=91				
MAK2	Makanchi	44.59 303 eP	P	07 11 27.5 0.0		
MAK2		comp=Z,16nm,1.0s				
MAKZ	Makanchi	44.59 303 eP	P	07 11 27.5 0.0		
MAKZ		comp=Z,16nm,1.0s				
SURA	Suratani	45.77 245 P	P	07 11 38.0 +0.9		
SURA		comp=Z,167nm,2.5s,comp=Z,186um				
KURK	Kurchatov	46.34 309 eP	P	07 11 41.0 -0.2		
KURK		comp=Z,66nm,1.0s				
KURK	Kurchatov	46.34 309 ceP	Pn	07 11 41.0 -0.2		
KURK		comp=Z,63nm,1.0s				
JIRN	Jiri	46.60 276 eP	P	07 11 43.3 -0.8		
JIRN		comp=Z,44nm,0.5s				
GUN	Gumba	46.76 277 eP	P	07 11 45.8 +0.6		
GUN		comp=Z,2nm,0.8s				
PDGK	Podgornoye	46.93 299 P	P	07 11 45.6 -0.5		
PDGK		comp=Z,22nm,0.6s				
PKGI	Pulchok	47.27 276 eP	P	07 11 47.2 -2.0		
PKGI		comp=Z,16nm,0.7s				
PKIN	Pulchok	47.28 276 eP	P	07 11 47.3 -1.9		
PKIN		comp=Z,12nm,0.6s				
KKN	Kakan	47.29 277 eP	P	07 11 47.9 -1.3		
KKN		comp=Z,22nm,0.6s				
DMN	Daman	47.50 277 eP	P	07 11 48.8 -2.1		
DMN		comp=Z,17nm,0.8s				
GKN	Gorkha	47.72 277 eP	P	07 11 52.3 -0.2		
GKN		comp=Z,58nm,0.6s				
PRZ	Przheval'sk	47.90 298 eP	P	07 11 54.3 +0.5		
PRZ		comp=Z,25nm,0.8s				
PRZ	Przheval'sk	47.90 298 eP	P	07 11 54.3 +0.5		
PRZ		comp=Z,25nm,0.8s				
DANN	Dangsing	48.29 278 eP	P	07 11 56.6 -0.6		
DANN		comp=Z,25nm,0.8s				
CAST	Castle Rocks	48.64 34 eP	P	07 12 00.9 +2.0		
CAST		comp=Z,2.2nm,1.0s	</			

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GCAM Gzelcaml?, UURLA Izmir, BLCB Balcova, CHOS Chios Island, etc.

IDC 21 07:08:40.8, 10.0, 36.11N, 141.77E, h0km, mb3.8/3, mb1 3.7/4, mb1mx3.4/28, mbtm3.7/18, ML3.0/1, Error ellipse: s-maj=256.2km s-min=52.6km az=169.0, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, MAT Matsushiro, SONM Songino Array, ZALV Zalesovo Beam, MKANCAN Makanchi Array.

WEL 21 07:09:44.2, 42.5, 17.4E, h10km, M3.7/19, ML4.0/19, MLV3.7/19, Error ellipse: s-maj=0.0km s-min=0.0km az=139.9, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

WEL 21 07:10:48.9, 42.5, 17.4E, h15km, M3.4/18, ML3.7/15, MLV3.4/18, Error ellipse: s-maj=0.0km s-min=0.0km az=125.8, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MTW Topouse, OGWZ Otaki Gorge, THZ Topouse, etc.

WEL 21 07:11:18.3, 41.3, 17.4E, h15km, M3.3/17, ML3.6/13, MLV3.3/17, Error ellipse: s-maj=0.0km s-min=0.0km az=126.9, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 21 07:12:30.9, 42.5, 17.4E, h14km, M3.0/11, ML3.5/13, MLV3.0/11, Error ellipse: s-maj=0.0km s-min=0.0km az=132.5, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 21 07:12:53.7, 42.5, 17.4E, h15km, M3.3/13, ML3.6/13, MLV3.3/13, Error ellipse: s-maj=0.0km s-min=0.0km az=122.9, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 21 07:27:47.6, 0.4, 42.5, 17.4E, h0km, M3.5/15, ML3.4/5, MLV3.7/15, Error ellipse: s-maj=0.0km s-min=0.0km az=150.4, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

IDC 21 07:28:47.1, 1.1, 41.56S, 174.36E, h0km, mb4.2/2, mb1 4.3/4, mb1mx3.9/30, mbtm3.4/14, ML3.6/2, Error ellipse: s-maj=39.6km s-min=134.6km az=134.6, Cook Strait

ISCJTB 21 07:28:49.0, 0.9, 41.82S, 174.39E, h15km, 8km, mb4.1/2, Error ellipse: s-maj=4.9km s-min=2.4km az=135.4

WEL 21 07:28:49.3, 42.5, 17.4E, h10km, M4.3/14, ML4.7/9, MLV4.7/14, MLV4.3/14, Error ellipse: s-maj=0.0km s-min=0.0km az=129.2

NEIC 21 07:28:49.1, 0.4, 65S, 174.30E, h17km, ML4.5(WEL), After WEL

ISC 21 07:28:49.3, 1.0, 41.66S, 174.33E, h14km, M6km, n161, s153/169, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PLWZ Palliser, MSWZ Moikau Station, CAW Cannon Point, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MRZ Mangatainoka R, QWZ Quartz Range, OHWZ Ohakea, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MOZ MoQueen's Vall, MBE MoQueen's Vall, NBEZ Newall Road No, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 21 07:28:49.3, 1.0, 41.66S, 174.33E, h14km, M6km, n161, s153/169, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Yellowknife Ar, ARCS Array B, etc.

WEL 21 07:30:47.2, 42'S, 137.4E, h15km, 6km, M3.9, ML3.6/9, MLV3.3/9, Error ellipse: s-maj=0.0km s-min=0.0km az=131.2, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Tory Channel, Tuamarina, Baring Head, etc.

ISCJB 21 07:33:05.9, 0.5, 17.10N, 0.08, 94.09W, 0.04, h166km, 5km, mb3.5/3, Error ellipse: s-maj=13.7km s-min=5.8km az=15.9

IDC 21 07:33:06.5, 0.6, 17.14N, 94.04W, h160km, 11km, mb3.3/3, mb1 3.3/6, mb1mx3.1/36, mbtmp3.6/6, Error ellipse: s-maj=41.1km s-min=10.4km az=36.0

MEX 21 07:33:08.3, 0.7, 17.09N, 94.06W, h166km, 5km, MD4.1, NEIC 21 07:33:09.2, 0.0, 16.90N, 94.14W, h157km, MD4.1 (MEX), After MEX.

ISC 21 07:33:06.6, 0.8, 17.08N, 0.08, 94.10W, 0.04, h166km, 6km, n22, c193/35, mb3.5/3, Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Matias Romero, Huatulco, Vista Hermosa, etc.

IDC 21 07:38:46.1, 6.1, 41.51S, 174.30E, h0km, mb3.6/2, mb1 3.7/4, mb1mx3.5/25, mbtmp3.5/4, ML3.2/2, Error ellipse: s-maj=43.5km s-min=13.2km az=132.0

ISCJB 21 07:38:49.0, 0.5, 41.72S, 0.03, 174.33E, 0.03, h6km, 4km, mb3.4/2, Error ellipse: s-maj=5.0km s-min=2.9km az=145.7

WEL 21 07:38:49.2, 42'S, 137.4E, h15km, 4km, M3.8/17, ML4.1/17, MLV3.8/17, Error ellipse: s-maj=0.0km az=117.0

ISC 21 07:38:49.6, 0.9, 41.82S, 0.02, 174.30E, 0.02, h18km, 4km, n81, c145/90, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cape Campbell, Tuamarina, Baring Head, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Palmer Road, Canterbury Las, Kahui Hut, etc.

ISCJB 21 07:38:53.4, 0.5, 36.85N, 0.02, 140.60E, 0.04, h10km, 4km, mb3.5/4, Error ellipse: s-maj=6.1km s-min=4.0km az=7.8

JMA 21 07:38:53.6, 36.85N, 140.56E, h7km, 1km, M3.6, Error ellipse: s-maj=1.0km s-min=0.5km az=7.8

JMA Felt II J1, IDC 21 07:38:53.5, 1.0, 36.84N, 140.63E, h0km, mb3.5/4, mb1 3.8/6, mb1mx3.5/36, mbtmp3.6/6, ML3.4/2, Error ellipse: s-maj=23.1km s-min=18.5km az=111.0

ISC 21 07:38:54.0, 1.2, 36.85N, 0.03, 140.57E, 0.04, h3km, 8km, n22, c0953/26, mb3.6/4, 6C, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Hitachi, Fukushimafurud, Iwakimizuishi, etc.

ROM 21 07:44:49.4, 0.4, 43.53N, 0.02, 13.82E, 0.03, h9km, 1km, ML2.6/20, Error ellipse: s-maj=2.5km s-min=1.0km az=240.0

ISCJB 21 07:44:50.1, 0.4, 43.52N, 0.02, 13.79E, 0.03, h6km, 3km, Error ellipse: s-maj=3.9km s-min=2.6km az=36.7

ISC 21 07:44:50.4, 0.8, 43.50N, 0.02, 13.82E, 0.02, h12km, 6km, n46, c1938/61, Central Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Ancona, Civitanova Mar, Pietralacroce, etc.

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Monte D'aria, Cessapalombo, etc.

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

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

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

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

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

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

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like PE3, DUGI, AVT-Monte Val, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like WATA, SQTA, and various DX stations.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details. Includes stations like PUZ, JCZ, HAZ, etc., and a detailed list of stations in the Cook Strait area.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like TK04, JIE, JIE, Hachijo jima 2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like MKAR, MKAR, MAKZ, MAKZ, MAKZ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like F1A0, FINES, FINES, KIBZ, Khabaz, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Baring Head, Palliser, Moikau Station, Cannon Point, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Moawhango, Pawanui, Black Hill Sta, Vera Road, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Whangaeu Hut, Far West T-bar, Tukino, Incbonnie, etc.

IDC 21 08:03:56.2,8.4,26.38Sx178.87E, h650km,74km,mb3.1/4, mb1.3,3/6,mb1mx2.9/35,mbtrmp4.3/6, Error ellipse:

ISC 21 08:03:57.8,5.6,5.5S,0.176,5E,0.6, h650km,n6, s-maj=164.6km s-min=35.2km az=69.0, s1067.7,mb3.9/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Urewera, DZM, CTA, STKA, ASAR, WRA.

ASAR Alice Springs 38.04 285 ePn P 08 18 08.6 -0.8

WB1 Warramunga Arr 40.11 290 eP P 08 18 25.9 -0.7

WRA Warramunga Arr 40.11 290 eP P 08 18 25.9 -0.7

QSPA South Pole Qui 48.49 180 eP P 08 19 33.6 +0.2

SNAAS Sanae 66.98 181 eP P 08 21 43.1 0.0

KSRS Korea Arr 89.39 325 P P 08 23 48.1 +0.9

YKA Yellowknife Ar 118.26 30 PKP PKIKP 08 29 37.1 +0.1

YKBS Yellowknife Ar 118.26 30 ePKP P 08 29 37.1 +0.1

ARAD ARCESS Array S 147.69 340 ePKP P 08 30 33.3 -1.0

ARCS ARCESS Array S 147.69 340 ePKP P 08 30 33.3 -1.0

TORD Torodi Ar. Bea 150.90 195 PKP P 08 30 44.2 -0.3

TOA1 Torodi Ar. Sit 150.90 195 ePKP P 08 30 44.2 -0.3

FIAO FINESS Array S 152.32 305 PKP P 08 30 44.8 -1.2

FINES FINESS Array B 152.32 305 PKP P 08 30 44.8 -1.2

WEL 21 08:14:54.7,42°S,2°17'4E, h10km,3km, M3.2/1, ML3.5/11, MLv3.2/11, Error ellipse: s-maj=0.0km s-min=158.4, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

WEL 21 08:23:43.3,42°S,2°17'4E, h15km,5km, M3.3/12, ML3.1/1, ML3.6/12, MLv3.3/12, Error ellipse: s-maj=0.0km s-min=0.0km az=121.4, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Tuamarina, Baring Head, etc.

WEL 21 08:19:46.4,42°S,2°17'4E, h15km,4km, M3.4/17, ML3.7/7, ML3.6/17, MLv3.4/17, Error ellipse: s-maj=0.0km s-min=0.0km az=122.0, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Tuamarina, Baring Head, etc.

IDC 21 08:10:49.2,1.1,41.54Sx174.26E, h0km,mb4.0/3, mb1.4,1/5,mb1mx3.8/22,mbtrmp3.9/5,ML3.6/2, Error ellipse: s-maj=164.6km s-min=35.2km az=69.0

ISCJB 21 08:10:52.4,0.3,41.74S,0.174,26E,0.0, h25km,2km, mb4.0/7, Error ellipse: s-maj=5.2km s-min=2.7km az=137.7

WEL 21 08:10:52.6,42°S,2°17'4E, h15km,4km, M4.4/23, ML4.8/5, ML4.7/23, MLV4.4/23, Error ellipse: s-maj=0.0km s-min=0.0km az=124.3

NEIC 21 08:10:52.5,0.0,41.63Sx174.28E, h22km,mb4.0/4, ML4.4(VEL), After WEL

ISC 21 08:10:51.4,1.3,41.64S,0.03x174.31E,0.02, h14km,9km, n104, s111/117,mb3.9/7, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

IDC 21 08:27:16.3,1.9,41.56Sx174.35E, h0km,mb3.6/2, mb1.3,7/4,mb1mx3.6/35,mbtrmp3.5/4,ML3.2/2, Error ellipse: s-maj=17.0km s-min=25.9km az=136.0

ISCJB 21 08:27:18.4,0.5,41.80S,0.03x174.49E,0.0, h18km,4km, mb3.5/2, Error ellipse: s-maj=6.2km s-min=2.8km az=137.3

WEL 21 08:27:18.2,42°S,3°17'4E, h15km,6km, M3.7/13, ML4.3/13, MLv3.7/13, Error ellipse: s-maj=0.0km s-min=0.0km az=133.4

ISC 21 08:27:17.9,0.9,41.63S,0.03x174.38E,0.03, h17km,6km, n111, s116/112, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Tuamarina, Baring Head, etc.

21d 8h

ROM 21 08:34:34.9-0.1,44.190N-0.005-10.152E:0.006, h5km,1km,Md1.2/4,Error ellipse: s-maj=0.4km s-min=0.4km az=6.0, Northern llype:

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EQUI, T0912, T0911, VLLC, PLMA, GRAM, ATPI, NARO, ATFO, MURB, FRON, and IJCJB.

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Table with columns: HHC, WMO, MKAR, WRA, ASAR. Includes station names like Urumqi, Makanchi Array, Warramunga Arr, Alice Springs and their coordinates and error ellipses.

WEL 21 08:35:54.6,42.52,17.4E, h5km,3km,M3.7/43, mB4.7/1,ML3.2/25,MLV3.7/43,Mw(mB)4.0/1,Error ellipse: s-maj=0.0km s-min=0.0km az=123.9, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like CMWZ, BSWZ, TUWZ, BHW, TCW, WEL, PLWZ, MSWZ, CAW, PAWZ, NNZ, KHZ, HOWZ, THWZ, TMWZ, MRZ, ITWZ, GVZ, QRZ, BWZ, PRWZ, LTZ, DVHZ, WAZ, OKCZ, PNHZ, PREZ, MQZ, INZ, AKCZ, KHZ, MTWZ, NBEZ, DREZ, MOZH, PKZ, KRHZ, BHHZ, WHVZ, VRZ, FWZ, TUWZ, KAHZ, NGZ, WTWZ, KRWZ, KATZ, BKZ, HIZ, TLZ, KMRZ, ODZ, HTWZ, WMGZ, HHSZ.

WEL 21 08:37:37.4,42.57,17.4E, h5km,3km,M3.7/58, ML3.9/41,MLV3.7/53,Error ellipse: s-maj=0.0km s-min=0.0km az=148.6, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like CMWZ, BSWZ, TUWZ, BHW, TCW, WEL, PLWZ, MSWZ, CAW, PAWZ, NNZ, KHZ, HOWZ, THWZ, TMWZ, MRZ, ITWZ, GVZ, QRZ, BWZ, PRWZ, LTZ, DVHZ, WAZ, OKCZ, PNHZ, PREZ, MQZ, INZ, AKCZ, KHZ, MTWZ, NBEZ, DREZ, MOZH, PKZ, KRHZ, BHHZ, WHVZ, VRZ, FWZ, TUWZ, KAHZ, NGZ, WTWZ, KRWZ, KATZ, BKZ, HIZ, TLZ, KMRZ, ODZ, HTWZ, WMGZ, HHSZ.

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Table with columns: BKZ, RPZ, HIZ, ODZ, MKAZ, WAZ, JCY, ETAZ, TUZ, SYZ. Includes station names like Black Stump Fm, Rata Peaks, Hauiti, Otahua Downs, Moumakai, Otahua Downs, Jackson Bay, East Tamaki Re, Tuapeka, Scrubby Hill.

WEL 21 08:39:53.9,41.55,0.8,174.4E,0.9,h12km,2km,M3.6/32, ML3.7/27,MLV3.6/32,Error ellipse: s-maj=0.0km s-min=0.0km az=130.7, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like CMWZ, TCW, WEL, BHW, BSWZ, PLWZ, MSWZ, NNZ, PAWZ, DUWZ, MTW, OGWZ, TRWZ, KHZ, HOWZ, THWZ, TMWZ, MRZ, ITWZ, GVZ, QRZ, BWZ, PRWZ, LTZ, DVHZ, AMCZ, PRZH, PNHZ, NMEZ, PREZ, KHEZ, NBEZ, DREZ, PKZ, MOVZ, OKCZ, BHHZ, TUWZ, INZ, OXZ, KRWZ, PLWZ, WVZ, RPZ, SHGZ, ETAZ, JCY.

IDC 21 08:42:21.7,1.2,41.54S,174.14E,h0km,mb3.5/2, mb1.3/7.4,mb1mx3.6/22,mbmtb3.5/4,ML3.4/2,Error ellipse: s-maj=40.5km s-min=18.0km az=135.0, IJCJB 21 08:42:25.0,0.4,41.68S,174.24E,h27km,4km, mb3.4/2,Error ellipse: s-maj=9.5km s-min=3.8km az=135.7

WEL 21 08:42:25.1,42.52,17.4E, h9km,3km,M4.2/6,ML4.5/6, MLV4.2/6,Error ellipse: s-maj=0.0km s-min=0.0km az=97.9, NEIC 21 08:42:25.1,0.0,41.64S,174.24E,h9km,ML4.2(WEL), After WEL

ISC 21 08:42:24.9,1.2,41.68S,174.19E,0.03,h18km,4km, n54,-1548/56, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like CMWZ, BSWZ, TUWZ, BHW, SNZO, SNZO, BHW, PLWZ, MSWZ, CAW, KHZ, KHZ, THWZ, HOWZ, OTAKI, BFZ, ANWZ, CRUZ, OXZ, OXZ, INZ, INZ, MOZ, PXZ, BKZ, RPZ, RPZ, RPZ, RPZ, URZ, URZ, URZ, URZ, ODZ, ODZ, RUGZ, RUGZ, JCY, PUZ, WAZ, WAZ, HHSZ, WMGZ, MXZ, TUZ, WAZ, WAZ, TORZ, FINES.

ICC 21 08:57:52.9.5.1,6.12N,74.71W,h134km,67km, Error ellipse: s-maj=37.17km s-min=83.6km az=83.0
 ISCJB 21 08:57:53.5.0.4.5.17N,0.02E,75.50W,0.03,h125km,5km, Error ellipse: s-maj=4.9km s-min=2.9km az=33.4
 RSNC 21 08:57:55.4.1.3.5.16N,75.47W,h112km,5km,ML3.5, Mw3.7
 ISC 21 08:57:53.9.0.5.17N,0.03E,75.51W,0.03,h125km,6km, n40,+1939/72,6C-40, Colombia

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
RREF	El Recreo	0.31 149	Op	Pn	08 58 12.0	+0.2
RREF			eS	Pn	08 58 24.2	-1.8
NORC	Norcasia	0.75 59	Op	Pn	08 58 13.6	+0.5
NORC			eS	Pn	08 58 27.7	-1.8
NORC			i	Pn	08 58 30.0	
PLMC	San Jos del P	0.81 251	Op	Pn	08 58 15.2	+0.5
PLMC			eS	Pn	08 58 31.1	+0.6
PLMC			i	Pn	08 58 33.9	
HELC	Santa Helena	1.01 359	Op	Pn	08 58 17.1	+0.2
HELC			eS	Pn	08 58 33.9	-0.3
HELC			i	Pn	08 58 35.1	
ROSC	El Rosal	1.23 105	Op	Pn	08 58 19.7	+0.6
ROSC			eS	Pn	08 58 40.4	+2.2
ROSC			i	Pn	08 58 40.4	+2.2
ORTC	Ortega, Toilima	1.28 168	Op	Pn	08 58 19.3	+0.1
ORTC			eS	Pn	08 58 37.9	-0.7
ORTC			i	Pn	08 58 41.8	
YOTC	Totoco, Valle	1.44 215	Op	Pn	08 58 20.4	-0.7
YOTC			eS	Pn	08 58 39.9	-2.0
SPBC	San Pablo de B	1.51 71	Op	Pn	08 58 22.0	+0.1
SPBC			eS	Pn	08 58 42.2	-0.9
CVCR	Cruz Verde, Cu	1.57 114	Op	Pn	08 58 23.9	+1.0
PRAC	Prado	1.58 157	Op	Pn	08 58 22.6	+0.1
PRAC			eS	Pn	08 58 43.6	-0.8
PTBC	PUERTO BERRIO,	1.72 38	Op	Pn	08 58 24.1	-0.1
PTBC			eS	Pn	08 58 46.0	-1.3
PTBC			i	Pn	08 58 47.1	
CHIC	Chingaza	1.85 107	Op	Pn	08 58 27.2	+1.0
CHIC			eS	Pn	08 58 51.8	+1.0
CHIC			i	Pn	08 58 57.9	
DBBC	Dabeiba	1.96 339	Op	Pn	08 58 28.6	+1.4
DBBC	Villavicencio,	2.10 120	Op	Pn	08 59 02.0	+1.5
DBBC			eS	Pn	08 58 57.8	+2.1
DBBC			i	Pn	08 59 01.7	
MALC	Bahia Malaga	2.15 238	Op	Pn	08 58 31.5	+2.1
MALC			eS	Pn	08 59 02.0	+1.5
SOLC	Bahia Solano	2.16 299	Op	Pn	08 58 31.2	+1.6
SOLC			eS	Pn	08 58 58.4	+1.5
SOLC			i	Pn	08 59 06.5	
MARP	Paez Belalcaza	2.35 191	Op	Pn	08 58 32.6	+0.2
MARP			eS	Pn	08 59 01.5	-0.3
MARP			i	Pn	08 59 04.1	
ZARC	Zaragoza, Cau	2.40 16	Op	Pn	08 58 33.3	+0.7
ZARC			eS	Pn	08 59 02.9	+0.3
ZARC			i	Pn	08 59 02.9	
BETC	Betania	2.47 178	Op	Pn	08 58 33.2	-0.4
RUSC	La Rusia	2.52 73	Op	Pn	08 58 35.2	+0.6
RUSC			eS	Pn	08 58 36.8	
RUSC			i	Pn	08 59 04.7	
BARRC	Barranca, Sant	2.63 43	Op	Pn	08 58 35.5	+0.0
BARRC			eS	Pn	08 59 06.6	-0.9
BARRC			i	Pn	08 59 10.0	
BARC	Barichara	2.71 59	Op	Pn	08 58 37.5	+0.6
BARC			eS	Pn	08 59 09.7	-0.2
BARC			i	Pn	08 59 12.3	
PCON	Cinco Dias	2.96 197	Op	Pn	08 58 42.0	+1.7
PCON			eS	Pn	08 59 16.6	+0.6
PCON			i	Pn	08 59 19.9	
GIRC	Giron, Santand	2.98 50	Op	Pn	08 58 40.7	+0.5
GIRC			eS	Pn	08 59 15.3	-0.7
GIRC			i	Pn	08 59 17.4	
YOPC	Yopal, Colombia	3.08 86	Op	Pn	08 58 42.4	+0.8
YOPC			eS	Pn	08 58 44.3	
YOPC			i	Pn	08 59 18.6	+0.3
GRGC	Isla de Gorgon	3.41 231	Op	Pn	08 58 45.1	-0.7
GRGC			eS	Pn	08 59 22.3	-3.6
GRGC			i	Pn	08 59 25.8	-0.8
PAMC	Macarena, Meta	3.43 152	Op	Pn	08 58 48.0	+0.3
PAMC	Pamplona, Colo	3.53 51	Op	Pn	08 59 27.9	-1.5
PAMC			eS	Pn	08 58 47.4	-0.4
FLOC	Florencia	3.57 182	Op	Pn	08 59 29.1	-0.5
FLOC			eS	Pn	08 59 39.9	
FLOC			i	Pn	08 59 39.9	
BBAC	Balboa, Cauca	3.58 209	Op	Pn	08 58 48.0	-0.1
BBAC			eS	Pn	08 59 28.5	-1.6
OCAC	Ocana	3.75 35	Op	Pn	08 58 50.6	+0.3
OCAC			eS	Pn	08 59 33.5	-0.5
OCAC			i	Pn	08 59 36.9	
CRUC	La Cruz	3.86 202	Op	Pn	08 58 52.5	+0.5
CRUC			eS	Pn	08 59 36.6	-0.3
CRUC			i	Pn	08 59 40.6	
SMLC	San Martin de	3.88 22	Op	Pn	08 58 51.8	-0.1
SMLC			eS	Pn	08 59 34.3	-2.7
TAMC	Tame, Arauca	3.91 71	Op	Pn	08 58 52.7	+0.3
CPAS2	Pasto	4.29 204	Op	Pn	08 59 45.9	-1.4
GCUF	Volcan Galeras	4.33 205	Op	Pn	08 58 58.6	+0.7
GCUF			eS	Pn	08 59 43.3	-4.7
GCUF			i	Pn	08 59 52.8	
CODC	Agustin Codazz	5.16 23	Op	Pn	08 59 09.5	+0.5
CODC			eS	Pn	08 59 04.6	-3.0
CODC			i	Pn	09 00 09.0	

ASAR Alice Springs 146.22 234 PKPbc PKPbc 09 17 21.1 +0.5
 WRA Warramunga Arr 147.46 241 PKPbc PKPbc 09 17 24.7 +0.5
 WRA Warramunga Arr 147.46 241 PKPbc PKPbc 09 17 24.7 +0.5

ICC 21 09:02:02.5.13.0,6.36S,129.39E,h308km,153km, mb3.1/1,mb1 3.2/3,mb1mx2/9,mbtmsp3/3, Error ellipse: s-maj=110.0km s-min=53.7km az=68.0, Banda Sea

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
WRA	Warramunga Arr	14.34 161	Op	Pn	09 05 11.8	-0.1
WRA			S	Pn	09 07 49.5	+0.2
ASAR	Alice Springs	17.75 166	Op	Pn	09 05 49.2	+0.1
MKAR	Makanchi Array	67.36 327	Op	Pn	09 12 25.0	0.0
WEL	Wellington	0.47 50	Op	Pn	09 10 56.8	-0.4
BHW	Baring Head	0.47 68	Op	Pn	09 10 56.8	-0.4
PLWZ	Palliser	0.72 89	Op	Pn	09 11 01.5	0.0
MSWZ	Moukai Station	0.74 77	Op	Pn	09 11 01.8	0.0

WEL 21 09:01:46.8,42°S,174°E,h9km,2km,M3.4/54, m3.5/18,MLV3.4/54, Error ellipse: s-maj=0.0km s-min=0.0km az=139.7, Cook Strait

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
CAW	Cannon Point	0.76 51	Op	Pb	09 11 02.3	+0.2
NNZ	Nelson	0.78 298	Op	Pg	09 11 01.9	+0.1
DUWZ	D'Urville Isla	0.83 340	Op	Pg	09 11 03.4	0.0
PAWZ	Paruawai Farm	0.88 77	Op	Pg	09 11 04.7	+0.5
KHZ	Kahutara	1.00 214	Op	Pg	09 11 06.0	0.0
MTWZ	Mount Morrison	1.01 65	Op	Pg	09 11 06.5	0.0
OGWZ	Ofakoi Gorge	1.02 260	Op	Pg	09 11 06.5	0.0
THZ	Topohouse	1.05 265	Op	Pg	09 11 06.6	-0.4
THWZ	Traveller	1.07 80	Op	Pg	09 11 07.0	-0.3
HOWZ	Holdsworth Sta	1.15 54	Op	Pn	09 11 09.4	+0.3
TMWZ	Te Maipa	1.30 69	Op	Pn	09 11 10.2	-0.9
ANWZ	Angora Road	1.30 69	Op	Pn	09 11 10.2	-0.9
TIWZ	Tintock	1.45 57	Op	Pn	09 11 14.6	-0.1
QRZ	Quartz Range	1.53 299	Op	Pg	09 11 15.3	0.0
OHWZ	Ohakea	1.58 30	Op	Pg	09 11 17.1	-0.1
CPWZ	Castlepoint	1.59 65	Op	Pg	09 11 21.9	+4.6
PRWZ	Palmer Road	1.64 51	Op	Pg	09 11 15.9	+0.2
GVZ	Greta Valley S	1.66 21	Op	Pg	09 11 13.0	-1.1
BFZ	Birch Farm	1.73 59	Op	Pg	09 11 19.4	-0.6
WAZ	Wanganui	1.91 16	Op	Pg	09 11 22.5	+0.8
LTZ	Lake Taylor	1.92 231	Op	Pg	09 11 19.3	-0.3
DVHZ	Dannevirke	1.92 48	Op	Pg	09 11 24.0	+0.4
ANWZ	Angora Road	2.00 69	Op	Pg	09 11 23.0	-0.3
LREZ	Lake Rotokare	2.13 2	Op	Pg	09 11 27.6	+0.1
NMEZ	Namu Road	2.20 352	Op	Pg	09 11 28.1	-0.7
PNHZ	Pukenui	2.21 42	Op	Pg	09 11 28.6	-0.6
WPHZ	Waipukurau	2.23 48	Op	Pg	09 11 31.4	+1.8
PRWZ	Palmer Road	2.25 57	Op	Pg	09 11 28.0	+0.5
KHZ	Kahutara	2.30 203	Op	Pg	09 11 30.7	+0.2
OKZ	Okains Bay	2.32 203	Op	Pn	09 11 22.6	-2.5
NBEZ	Newall Road No	2.34 352	Op	Pb	09 11 30.2	+1.1
MTVZ	Mangateitei	2.38 23	Op	Pb	09 11 30.7	+0.9
DREZ	Durham Road	2.40 358	Op	Pg	09 11 32.0	-0.7
WVZ	Waiteha Valley	2.40 241	Op	Pg	09 11 28.2	-1.7
PKE	Pukeitei	2.42 354	Op	Pg	09 11 16.6	-1.3
OXZ	Oxford	2.41 223	Op	Pg	09 11 28.8	-1.4
PKVZ	Pokaka	2.44 20	Op	Pb	09 11 31.3	+0.5
MOVZ	Moawhanga	2.45 28	Op	Pg	09 11 30.7	-0.3
VRZ	Veru Road	2.49 8	Op	Pb	09 11 30.3	-1.3
BHZ	Black Hill Sta	2.50 33	Op	Pg	09 11 32.4	+0.1
PXZ	Pawarui	2.50 52	Op	Pn	09 11 30.3	+1.3
AKCZ	Akaroa Harbour	2.50 204	Op	Pn	09 11 25.7	-1.9
KHZ	Kahutara	2.51 40	Op	Pg	09 11 33.2	+1.3
WHVZ	Whangaeahu Hut	2.51 24	Op	Pb	09 11 32.6	+0.5
MHEZ	Mangahewa	2.51 24	Op	Pg	09 11 35.1	+0.2
WVZ	Waiteha Valley	2.52 23	Op	Pg	09 11 42.9	+0.6
TUVZ	Tukino	2.54 25	Op	Pb	09 11 32.6	0.0
NGZ	Ngaruohoe	2.61 23	Op	Pg	09 11 34.3	+0.5
KAHZ	Kahurangi	2.66 48	Op	Pg	09 11 36.4	-1.4
WVZ	West Tongariro	2.66 22	Op	Pb	09 11 35.1	+0.4
THWZ	Te Maipa	2.70 23	Op	Pb	09 11 36.7	+1.3
KWVZ	Kaweka Forest	2.71 38	Op	Pg	09 11 37.2	-1.4
KATZ	Kakaramea	2.82 23	Op	Pg	09 11 38.1	+0.7
RITZ	Rihia Road	2.85 25	Op	Pg	09 11 40.4	-1.4
BKZ	Black Stump Fm	2.87 36	Op	Pg	09 11 40.3	+0.8
WVZ	Waiteha Valley	3.02 241	Op	Pg	09 11 42.7	-1.7
WATZ	Waipara	3.08 21	Op	Pb	09 11 43.3	+1.5
HIZ	Hauti	3.10 8	Op	Pb	09 11 40.0	-2.0
RPZ	Rata Peaks	3.20 227	Op	Pb	09 11 43.9	+0.2
MRHZ	Matea Rd	3.20 31	Op	Pb	09 11 44.5	+0.8
KAHZ	Kahurangi	3.21 21	Op	Pb	09 11 47.2	+1.5
TLZ	Tolley Road	3.39 17	Op	Pb	09 11 47.3	-0.3
ALRZ	Allen Road	3.41 28	Op	Pb	09 11 49.1	+1.8
RTZ	Ruatohuna	3.62 36	Op	Pg	09 11 46.7	+3.7
FOZ	Fox Glacier	3.83 238	Op	Pg	09 11 50.2	-4.3
TOZ	Tahuroa Road	3.96 14	Op	Pg	09 11 54.5	-2.3
OKZ	Okains Bay	4.36 213	Op	Pg	09 12 01.3	+0.2
MKAZ	Moukai	4.53 9	Op	Pb	09 12 01.9	-4.5
JCZ	Jackson Bay	4.75 237	Op	Pn	09 12 02.5	+3.9
WIAZ	Waiteha Island	4.83 8	Op	Pb	09 12 06.5	-5.1

ICC 21 09:23:43.1,52.0,19.44S,176.12W,h0km,mb4.1/3, mb1 4.3/3,mb1mx3.7/28,mbtmsp4.1/3, Error ellipse: s-maj=963.2km s-min=163.8km az=82.0, Fiji Islands region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
					h m s	ISC
STKA	Stephens Creek	39.84 243	Op	Pn	09 31 18.1	-0.4
ASAR	Alice Springs	46.49 256	Op	P	09 32 12.4	

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ODH, CNGZ, TWGZ, etc.

WEL 21 09:34:28.3±0.3, 42°S±2.2×17.4E±1.1, h10km, M3.7/7, ML3.5/7, ML3.3/7, Cook Strait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like CMWZ, TUWZ, BSWZ, etc.

ISC/JB 21 09:40:16.7±0.2, 24.97N±0.02, 121.79E±0.02, h124km, 1km, mb3.6/11, Error ellipse: s-maj=2.8km

JMA 21 09:40:17.9±0.1, 24.89N±121.80E, h115km, 1km, M3.2

IDC 21 09:40:17.0±0.4, 24.95N±121.75E, h117km, 4km, mb3.3/12, mb1.3/4/12, mb1mx2.3/3.3, mbmtj3.7/12, MS3.0/1, Ms1.3.0/1, ms1mx2.4/26, Error ellipse: s-maj=37.9km

TAP 21 09:40:17.5, 24.97N, 121.79E, h122km, ML4.1, B

ISC 21 09:40:17.4±0.7, 24.99N±0.03, 121.79E±0.02, h124km, 4km, 126, ±0.7/229, mb3.6/11, 30C-2D, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes station WNF.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like WNF, WFSB, NTC, etc.

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Residual. Includes stations like ENLB, ENLB, NSY, etc.

21d 9h

Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Class, and other parameters. Includes stations like Alice Springs, ASAR, ASAR, ASAR, etc.

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Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Class, and other parameters. Includes stations like MLZ, LBZ, BFZ, WHZ, SDSA, BKNI, etc.

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Table with columns: Station Name, Time, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Class, and other parameters. Includes stations like RC01, PMR, MCK, QSPA, etc.

JMA 21 09:51:53.7,36:59N-140:58E, h5km, 1km, M1.2, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Class, and other parameters. Includes stations like JHO, JHYU, JYU, etc.

NEIC 21 09:52:44.6,2.7,36:29N-141:06E, h10km-4km, mb2.0/9, Error ellipse: s-maj=13.6km s-min=10.5km az=112.0

JMA 21 09:52:59.7,0.1,37:52N-141:56E, h44km-2km, M3.7, ISC 09:52:55.1, z=2.0, 37.39N, 140.07E, 14.133E, 0.03, h30km, 12km, mb3.1, 13.9, mb1.9/3.6, mb4.0/1.1, Error ellipse: s-maj=19.8km s-min=9.1km az=36.3

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Class, and other parameters. Includes stations like JFK, JMST, JKH, etc.

21d 9h

KMI	comp=Z,620nm,18.2s	LR	LR		
KMI	comp=Z,420nm,16.4s	LR	LR		
KMI	comp=Z,390nm,18.7s	LR	LR		
KMI	Kunning	35.14 263 eP	pmax	09 59 49.4 -0.8	
KMI	comp=Z,35nm,1.0s	36.05 353 eP	pmax	09 59 57.4 +0.2	
TIXI	comp=Z,11nm,1.7s	38.05 48 eP	P	10 00 14.3 -0.1	
NIKH	Nikolski High	41.43 298 eP	P	10 00 44.3 +1.5	
WMQ	comp=Z,76nm,1.0s	41.43 298 eP	pP	10 00 51.8 +0.4	
WMQ	comp=Z,55nm,0.8s	41.43 298 eP	sP	10 00 54.8 -0.2	
WMQ	comp=Z,51nm,1.3s	41.43 298 eP	PcS	10 06 31.3 -0.2	
WMQ	comp=Z,300nm,3.7s	41.43 298 eP	pmax		
WMQ	comp=Z,470nm,14.3s	41.43 298 eP	LR		
WMQ	comp=Z,670nm,20.1s	41.43 298 eP	LR		
WMQ	comp=Z,690nm,17.1s	41.43 298 eP	LR		
ZAA0	Zalesovo Array	42.62 313 eP	P	10 00 52.7 +0.5	
ZAA1	Zalesovo Array	42.62 313 eP	P	10 00 44.1 -8.2	
ZAA1	Zalesovo Array	42.62 313 eP	PcP	10 02 44.4 +0.5	
ZALV	Zalesovo Beam	42.62 313 eP	P	10 00 52.7 +0.5	
ZALV	comp=Z,2.20nm,0.8s,baz=93,slow=6.4,SNR=60	42.62 313 eP	PcP	10 02 44.4 +0.5	
ZALV	comp=Z,3.2nm,0.8s,baz=108,slow=4.7,SNR=2.5	42.62 313 eP	P	10 00 53.0 +0.8	
ZALV	Zalesovo Beam	42.62 313 eP	pmax		
SHL	Shillong	43.69 270 eP	pmax	10 01 03.7 +2.3	
SHL	comp=Z,15nm,0.7s	43.69 270 eP	P	10 01 03.5 +2.1	
SHL	Makanchi Array	44.76 303 eP	pmax	10 01 09.3 -0.2	
SHL	comp=Z,53nm,1.1s	44.76 303 eP	P	10 01 10.1 +0.5	
MK32	Makanchi Array	44.76 303 eP	P	10 01 10.1 +0.5	
MKAR	Makanchi Array	44.76 303 eP	P	10 01 11.5 +0.3	
MAKZ	Makanchi	44.97 303 eP	P	10 01 10.5 -0.7	
MAKZ	Makanchi	44.97 303 eP	pmax		
KSM	Kuching	45.26 227 eP	P	10 01 13.8 +0.1	
KAPI	Kappang	45.98 211 eP	P	10 01 20.4 +0.9	
KAPI	comp=Z,9.1nm,0.5s,baz=30,slow=20,SNR=5.5	45.98 211 eP	P	10 01 19.2 -0.2	
KAPI	Kappang	45.98 211 eP	P	10 01 19.2 -0.2	
KAPI	Kappang	45.98 211 eP	pmax		
KURK	Kurchatov	46.61 309 eP	P	10 01 24.2 +0.2	
KURK	Kurchatov	46.61 309 eP	iP	10 01 24.2 +0.2	
JIRN	Jiri	47.37 276 eP	P	10 01 31.6 +0.8	
PDGK	Podgornoye	47.37 299 eP	pmax	10 01 30.8 +0.5	
PDGK	comp=Z,7.9nm,1.1s	47.37 299 eP	P	10 01 32.6 +0.7	
GUN	Gumba	47.52 277 eP	P	10 01 34.2 +2.0	
CAST	Castle Rocks	47.67 34 eP	P	10 01 36.1 +0.2	
PKI	Pulchoki	48.01 276 eP	P	10 01 35.9 0.0	
PKIN	Pulchoki	48.05 276 eP	P	10 01 36.5 +0.6	
KKN	Kakani	48.05 277 eP	P	10 01 37.9 +0.3	
DMN	Daman	48.27 277 eP	P	10 01 39.5 +0.4	
GOLK	Toolik Lake Re	49.00 27 P	P	10 01 44.1 +1.6	
IPM	Ipoh	49.01 240 eP	P	10 01 43.1 0.0	
DANN	Dangsing	49.03 278 eP	P	10 01 44.3 +0.8	
PMR	Palmer	49.05 36 eP	P	10 01 44.1 +1.3	
PMR	Palmer	49.05 36 eP	pmax		
BATI	Baumata	49.30 204 LR	LR	10 21 57.2	
KDJ	Kajisay	49.33 298 eP	P	10 01 46.3 +0.8	
KDJ	Kajisay	49.33 298 eP	pmax	10 01 46.3 +0.8	
KOLN	Koldanda	49.41 277 eP	P	10 01 46.7 +0.4	
POKR	Poker Plat Res	49.73 32 P	P	10 01 48.8 +0.8	
SCM	Sheep Creek Mo	49.89 36 eP	P	10 01 50.7 +1.3	
SCM	Sheep Creek Mo	49.89 36 eP	pmax	10 01 50.7 +1.3	
HDA	Harding Lake	49.95 33 P	P	10 01 49.1 -0.5	
ILAR	Eielson Array	49.97 32 P	P	10 01 50.4 +0.6	
ILB	Eielson Array	49.97 32 P	P	10 01 50.4 +0.6	
TKM2	Tokmak 2	50.23 299 P	P	10 01 53.8 +1.4	
KBK	Karagaybulak	50.77 299 P	P	10 01 57.6 +1.2	
CHMS	Chumysh	50.81 299 P	P	10 01 56.8 +0.3	
USP	Ospenovka	50.91 300 P	P	10 01 58.3 +1.0	
KSH	Kashi	50.97 295 eP	P	10 02 02.3 +4.4	
KSH	Kashi	50.97 295 eP	pP	10 02 08.6 -0.6	
KSH	Kashi	50.97 295 eP	sP	10 02 11.3 +0.8	
KSH	Kashi	50.97 295 eP	PP	10 04 00.3 +6.0	
KSH	Kashi	50.97 295 eP	S	10 09 18.3 +5.4	
KSH	Kashi	50.97 295 eP	ScS	10 11 47.8 +1.4	
KSH	Kashi	50.97 295 eP	SS	10 12 51.6 +3.9	
KSH	comp=Z,95nm,2.2s	50.97 295 eP	pmax		
KSH	comp=Z,150nm,6.6s	50.97 295 eP	pmax		
KSH	comp=Z,910nm,18.0s	50.97 295 eP	LR		
KSH	comp=Z,1µm,15.9s	50.97 295 eP	LR		
OTUK	Ortayu	51.09 306 P	pmax	10 01 58.6 0.0	
OTUK	comp=Z,32nm,1.1s	51.09 306 P	LR	10 25 03.8	
AAK	Ala-Archa	51.09 299 LR	LR	10 01 59.5 +0.7	
AAK	Ala-Archa	51.09 299 LR	P	10 01 59.5 +0.7	
AAK	Ala-Archa	51.09 299 eP	pmax	10 01 59.5 +0.7	
BRVK	Borovoye	51.34 313 eP	P	10 02 01.8 +1.5	
BRVK	Borovoye	51.34 313 eP	pmax	10 01 59.7 -0.6	
BRVK	comp=Z,20nm,1.0s	51.34 313 eP	P	10 02 02.8 +1.6	
MENT	Mentasta	51.48 34 eP	P	10 02 03.4 +0.9	
EKS2	Erkin-Say	51.59 299 P	P	10 02 06.5 +0.8	
BKNI	Bangkinang	52.01 236 eP	P	10 02 09.2 +1.1	
EGAG	Eagle	52.41 32 eP	P	10 02 09.2 +1.1	

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KK31	Karatay Array	53.74 301 eP	P	10 02 18.6 +0.3	
KK31	Karatay Array	53.74 301 eP	pmax	10 02 18.6 +0.3	
EPYK	Eagle Plains	54.02 30 P	P	10 02 21.5 +1.5	
BTK	Batken	54.54 297 eP	P	10 02 24.7 +0.5	
BTK	Batken	54.54 297 eP	pmax	10 02 24.7 +0.5	
INK	Inuvik	54.91 27 P	P	10 02 27.6 +1.2	
NIL	Nilore	55.12 289 eP	P	10 02 29.2 +0.7	
NIL	Nilore	55.12 289 eP	P	10 02 29.2 +0.7	
SVE	Sverdlovsk	55.89 319 eP	P	10 02 34.6 +1.0	
SVE	comp=Z,28nm,0.9s	55.89 319 eP	pmax		
SVE	comp=Z,44nm,1.3s	55.89 319 eP	MLR		
WRI	Warramunga Arr	56.37 188 eP	P	10 02 36.6 -0.7	
WRA	Warramunga Arr	56.37 188 eP	P	10 02 36.6 -0.7	
ARU	Arti	57.10 319 LR	LR	10 29 34.6	
ARU	Arti	57.10 319 eP	P	10 02 42.3 +0.1	
ARU	Arti	57.10 319 eP	iP	10 02 42.6 +0.4	
ARU	Arti	57.10 319 eP	S	10 03 37.7	
ARU	Arti	57.10 319 eP	SS	10 10 35.5 +0.6	
ARU	Arti	57.10 319 eP	pmax	10 14 15.9 -7.5	
ARU	comp=Z,51nm,1.2s	57.10 319 eP	MLR		
KBL	Kabul	57.95 292 eP	P	10 02 48.6 -0.2	
KBL	Kabul	57.95 292 eP	pmax	10 02 48.6 -0.2	
AB31	Akbulak array	58.63 311 iP	pmax	10 02 52.3 -0.8	
AKTO	Aktyubinsk	59.38 312 P	pmax	10 02 57.1 -1.1	
AS31	Alice Springs	60.10 188 eP	P	10 03 03.3 0.0	
ASAR	Alice Springs	60.10 188 eP	P	10 03 02.1 -1.3	
DZM	Mont Dzumak	62.56 154 eLR	LR	10 21 53.8	
YKA	Yellowknife Arr	64.30 30 P	P	10 03 31.5 +0.5	
YKB5	Yellowknife Arr	64.30 30 eP	P	10 03 31.6 +0.5	
GYA0B	ALIBECK ARRAY	64.44 299 eP	P	10 03 33.0 +0.5	
ARCES	ARCESS Array B	64.79 340 P	P	10 03 34.7 +0.5	
AREO	ARCESS Array S	64.79 340 eP	P	10 03 35.1 +0.9	
MSF	Maasella	65.84 335 P	pmax	10 03 42.5 +1.5	
D03D	Eldon	67.39 47 P	P	10 03 52.0 +0.7	
STKA	Stephens Creek	67.82 180 P	P	10 03 53.9 -0.1	
STKA	Stephens Creek	67.82 180 eP	P	10 03 54.8 +0.9	
STKA	Stephens Creek	67.82 180 eP	pmax	10 03 54.8 +0.9	
MOS	Moscow	68.01 324 eP	pmax	10 03 54.3 -0.7	
MOS	comp=Z,50nm,1.0s	68.01 324 eP	MLR		
SUF	Sumaiene	68.77 334 P	pmax	10 04 00.6 +1.0	
SUF	comp=Z,24nm,1.1s	68.77 334 P	P	10 04 00.4 +0.2	
OBN	Obninsk	68.86 324 eP	P	10 04 01.0 +0.7	
OBN	Obninsk	68.86 324 eP	iP	10 06 37.5	
OBN	Obninsk	68.86 324 eP	S	10 13 04.1 +2.2	
OBN	comp=Z,67nm,2.5s	68.86 324 eP	MLR		
LPSR	Galich'ya Gora	69.05 320 eP	pmax	10 04 01.0 -0.5	
LPSR	comp=Z,20nm,0.9s	69.05 320 eP	MLR		
MAK	Makhachkala	69.14 308 eP	P	10 03 59.7 -2.5	
MAK	Makhachkala	69.14 308 eP	eP	10 06 33.7	
MAK	Makhachkala	69.14 308 eP	eP	10 08 14.0	
MAK	Makhachkala	69.14 308 eP	SS	10 12 58.2 -7.5	
MAK	comp=Z,119nm,1.1s	69.14 308 eP	MLR		
FIA1	FINESS Array S	69.60 332 eP	P	10 04 05.5 +0.8	
FINES	FINESS Array B	69.60 332 P	P	10 04 05.1 +0.3	
VSR	Storzhovoye	69.67 319 eP	pmax	10 04 04.4 -1.0	
VSR	comp=Z,20nm,0.9s	69.67 319 eP	MLR		
VORD	Divnogorie	69.74 319 eP	pmax	10 04 05.4 -0.4	
VORD	comp=Z,10.0nm,1.0s	69.74 319 eP	P	10 04 06.4 +0.2	
AKT	Akhty	69.75 307 eP	P	10 04 29.0	
AKT	Akhty	69.75 307 eP	pmax	10 04 14.0 +2.5	
AKT	Akhty	69.75 307 eP	P	10 04 12.7 +0.3	
GOF	Gofitskoye	70.80 312 eP	pmax	10 04 14.3 -0.5	
GOF	Gofitskoye	70.80 312 eP	IAMB	10 04 16.1	
VSU	Vasula	71.23 330 eP	P	10 04 16.2 +1.4	
VSU	comp=Z,79nm,1.0s	71.23 330 eP	pmax	10 04 17.0 +1.5	
NCK	Naichik	71.30 310 iP	pmax	10 04 16.9 +0.7	
SUMG	Summit	71.42 0 eP	P	10 04 17.4 +1.2	
SUMG	comp=Z,20nm,0.9s	71.42 0 eP	iP	10 04 18.1 +0.8	
SUMG	comp=Z,20nm,0.9s	71.42 0 eP	P	10 04 18.1 +0.8	
KBZ	Khabz	71.60 311 P	P	10 04 18.3 +0.8	
KIV	Kislovodsk	71.61 311 eP	P	10 04 18.3 +0.8	
KIV	Kislovodsk	71.61 311 eP	pmax	10 04 19.0 +0.5	
SHAI	Shidzhatmaz	71.74 311 iP	P	10 04 20.3 +0.5	
NEY	Neytrino	71.97 311 iP	pmax	10 04 22.7 +0.4	
GNI	Garni	72.38 307 eP	P	10 04 22.7 +0.4	
GNI	Garni	72.38 307 eP	pmax	10 04 26.3 -0.2	

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BRG Berggiesshubel, BRG Vranov, BRG Moravsky, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CMWZ Tuamarina, TUVZ Tuamarina, BSWZ Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MTW Mount Morrison, GWGZ Otaki Gorge, TRWZ Traveller, etc.

SOME 21 10:08:12.5,40,77N-80.08E, h10km
NCC 21 10:08:16.0,6.8,40.69N:79.33E, h0km, mb3.6, mpv3.2,
2C-1D, Error ellipse: s-maj=97.8km s-min=46.6km
az=86.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SATY Saty, SATY 13nm,0.5s, SATY 8.5nm,0.3s, etc.

WEL 21 10:10:28.2,42'S:174.174'E, h20km, 2km, M3.3/43,
ML3.777, MLV3.3/43, Error ellipse: s-maj=0.0km
s-min=0.0km az=134.0, Cook Strait

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUVZ Tuamarina, BSWZ Blackbirch Sta, etc.

IDC 21 10:00:18.8,1.9,41.52S:174.29E, h0km, mb3.5/2,
mb1 3.7/3, mb1mx3.5/28, mbtm3.4/3, ML2.9/1,
MS1 4.1/1, ms1mx3.0/13, Error ellipse: s-maj=48.6km
s-min=23.6km az=143.0
ISCJB 21 10:00:21.5,0.4,41.79S:0.03:174.14E:0.03, h20km, 3km,
mb3.4/2, MS4.0/1, Error ellipse: s-maj=5.6km s-min=2.7km
az=138.6
WEL 21 10:00:21.9,41.6S:0.7:174.3E:0.6, h14km, 2km, M3.8/14,
ML.4/1, ML3.8/14, Error ellipse: s-maj=0.0km
s-min=0.0km az=142.7
ISC 21 10:00:21.7,1.1,41.76S:0.03:174.30E:0.02, h16km, 8km,
n108, c1945/117, Cook Strait

IDC 21 10:05:18.9,8.4,41.03S:174.59E, h0km, mb3.5/2,
mb1 3.8/2, mb1mx3.4/31, mbtm3.5/2, Error ellipse:
s-maj=54.7km s-min=45.9km az=33.0
WEL 21 10:05:22.9,41.5S:0.7:174.3E:0.7, h17km, 2km, M3.4/19,
ML3.7/19, MLV3.4/19, Error ellipse: s-maj=0.0km
s-min=0.0km az=133.3
ISC 21 10:05:22.4,41.56S:0.03:174.35E:0.02, h16km, 11km,
n82, c1808/89, Cook Strait

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CMWZ Cape Campbell, CMWZ Tuamarina, TUVZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANWZ Angora Road, AMCZ Amberley, PNHZ Pukenui, etc.

IDC 21 10:27:13.5:9.6,41.53S:174.15E,h0km,mb3.7/2, Error ellipse: s-maj=580.1km s-min=47.6km az=34.0

ISCBJ 21 10:27:16.1:0.8,41.76S:0.04:174.22E:0.04,h5km,6km, mb3.5/2, Error ellipse: s-maj=6.7km s-min=4.6km az=142.7

WEL 21 10:27:16.3:42.5:1.174:3E:0.8,h11km,2km,M4.2/10, ML3.4/37,MLV3.4/210, Error ellipse: s-maj=0.0km s-min=0.0km az=170.4

ISC 21 10:27:16.2:1.0,41.63S:0.03:174.23E:0.03,h18km,5km, n60,1527/62,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, TCW Tory Channel, etc.

WEL 21 10:32:56.9,41.65S:0.9:174.4E,h8km,1km,M3.4/42, ML3.6/31,MLV3.4/42, Error ellipse: s-maj=0.0km s-min=0.0km az=109.2,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, TCW Tory Channel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KHEZ Kahui Hut, OKCZ Okains Bay, CRKZ Canterbury Las, etc.

WEL 21 10:36:08.5:0.1,42.52S:17.4E,h12km,1km,M3.6/38, ML3.8/38,MLV3.6/38,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, TCW Tory Channel, etc.

0.3nm,0.3s,baz=8.2,slow=11,SNR=37 MKAR Makahiki Arrary 68.78 324 P P 10 51 55.1 +0.4

ZALV Zalesovo Beam 71.42 331 P P 10 52 10.4 -0.3

SJA 21 10:49:00.6:0.3,24.116S:66.97W,h208km,23km,ML2.2, MW2.6

ISCJB 21 10:49:02.6:0.5,24.118S:0.05:67.07W:0.04,h181km, Error ellipse: s-maj=7.7km s-min=5.2km az=15.7

GUC 21 10:49:02.5:0.5,24.205S:67.52W,h237km,23km,ML3.7

ISC 21 10:49:02.9:1.2,24.195S:0.07:67.07W:0.04,h181km,n11, r111/19,2C,Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SLA San Lorenzo, SLA Cafayete, FSA comp=Z,6.5nm,0.3s, etc.

MEX 21 10:53:35.0:0.7,16.51N:98.23W,h15km,M3.8,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TLIG Tlapa, VHO Vista Hermosa, CHGO El Cayaco, etc.

WEL 21 10:55:37.0,42.5S:2.174E,h13km,2km,M3.4/36, ML3.7/37,MLV3.4/36, Error ellipse: s-maj=0.0km s-min=0.0km az=135.2,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, TCW Tory Channel, etc.

WEL 21 10:58:27.8,42.5S:1.174E,h5km,1km,M3.5/41, ML3.8/38,MLV3.5/41, Error ellipse: s-maj=0.0km s-min=0.0km az=130.1,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TCW Tory Channel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DUWZ D'Urville Isla, PAWZ Paruruw Farm, KHWZ Kahutara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GVZ Greta Valley S, OHWZ Ohakea, CPWZ Castlepoint, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TMWZ Te Maipa, MNZ Nelson, MRZ Mangatainoka R, etc.

IS/CJB 21 11:00:25.51.3.24;SS:0.1x179.9W;0.2,h500km,mb3.6/4, Error ellipse: s-maj=25.1km s-min=15.2km az=178.6

MEX 21 11:22:15.9.0.5,18.74N:103.50W,h16km_ggkm,MD3.6, Near coast of Michoacan

WEL 21 11:39:56.1,41'S:30'17.4E,1.0,h141km_ggkm,M3.3/9, ML3.6/5,MLV3.9,Error ellipse: s-maj=0.0km

IS/CJB 21 11:00:25.5.8.24;SS:1.79W;1.79W,h487km,6.2km,mb3.2/5, mb1 3.5/6,mb1mx3.0/32,mbtmp4.2/6,Error ellipse: s-maj=40.9km s-min=24.6km az=29.0

MEX 21 11:25:38.5.0.5,16.21N:98.06W,h13km_g11km,MD3.7, Near coast of Guerrero

WEL 21 11:41:30.6.1.0,49.34N:95.42E,h0km,mb3.6/4, mb1 3.4/9,mb1mx3.2/51,mbtmp3.4/9,ML2.7/5,MS2.9/1, Ms1 2.9/1,ms1mx2.2/43,Error ellipse: s-maj=29.9km s-min=13.6km az=14.0

IS/CJB 21 11:00:25.7.1.0,24.6S:0.1x179.8W;0.2,h500km,n11, +f104.1/2,mb3.6/4,South of Fiji Islands

MEX 21 11:27:33.0.1.0,20.20S:0.04;69.1W;0.1,h109km,8km, Error ellipse: s-maj=15.8km s-min=5.7km az=174.7

IS/CJB 21 11:41:33.0.8.49;17N:0.07;95.36E;0.05,h10km,n31, +28.8/49,mb3.4/4,Tuva-Buryatia-Mongolia border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ Urewera, RPZ Rata Peaks, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TLIG Tiapa, TLIG Vista Hermosa, VHO VHO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NMEZ Namu Road, PRZ Palmer Road, KHEZ Kahui Hut, etc.

ISK 21 11:07:02.7,38.80N:43.16E,h12km,ML2.7/4 IS/CJB 21 11:07:03.9.0.7,38.74N:0.03;43.11E:0.0,7,h3km,11km, Error ellipse: s-maj=9.8km s-min=4.8km az=160.2

IS/CJB 21 11:27:34.2.1.0,20.20S:0.04;69.1W;0.1,h98km_g11km, Error ellipse: s-maj=15.8km s-min=5.7km az=174.7

IS/CJB 21 11:41:33.0.8.49;17N:0.07;95.36E;0.05,h10km,n31, +28.8/49,mb3.4/4,Tuva-Buryatia-Mongolia border

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, ERVC ERIC-VAN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB08 IPOC Station P, GO01 Chuzmisia, PB11 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KZLR Kyzyl, TDJR Tdzha, TEL Teeli, etc.

WEL 21 11:10:46.3,42'S:15.174E',h10km,M3.4/17,ML3.8/17, ML3.4/17,Error ellipse: s-maj=0.0km s-min=0.0km az=3.5,Cook Strait

MEX 21 11:27:55.8.0.6,16.35N:98.11W,h16km_g11km,MD3.8, Near coast of Guerrero

WEL 21 11:33:31.8,41'S:15.174E',h5km_g1km,M3.5/44, ML3.7/43,MLV3.5/44,Error ellipse: s-maj=0.0km s-min=0.0km az=168.5,Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TLIG Tiapa, VHO Vista Hermosa, HUIG Huatulco, etc.

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

21d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FINES, BRTR, VRAC, ASAR.

ISCJB 21 11:43:33.8±1.7, 3S:0.5:179.0W:0.3, h600km, mb3.8/8, Error ellipse: s-maj=81.9km s-min=14.2km az=150.8

IDC 21 11:43:35.0±0.5, 17.33S:178.95W, h602km, 60km, mb3.2/8, mb1 3.5/9, mb1mx3.1/38, mbmtap4.2/9, Error ellipse: s-maj=74.7km s-min=23.5km az=149.0

ISC 21 11:43:34.8±1.4, 17.4AS:0.5:179.0W:0.3, h600km, n10, a050/10, mb3.7/8, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, STA, CTK, WRA, ASAR, NVAR, ILAR, TXAR, PDAR, BRTR.

WEL 21 11:46:24.6, 42°S:2°17.4E±1.1, h5km, 2km, M3.6/13, ML3.9/13, MLV3.6/13, Error ellipse: s-maj=0.0km s-min=0.0km az=113.9, Cook Strait

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMWZ, BSWZ, BHW, PLWZ, MSWZ, CAW, PAWZ, KHZ, THZ, MWZ, GWZ, TRWZ, HOWZ, THWZ, QWZ, GVZ, CPWZ, LTZ, WAZ, DVHZ, ANWZ, LREZ, NMEZ, CR LZ, WPHZ, PREZ, INZ, KHZ, MOZ, NBEZ, THWZ, DREZ, PKE, PKVZ, MOVZ, WRZ, BHZ, MHEZ, WHVZ, FWWZ, KAHZ, TWVZ, WTVZ, KRVZ, KWHZ, KATZ, RITZ, WVZ, RATZ, HIZ, MRHZ, RIZ, KUTZ, MTHZ, TLZ, FQZ, URZ, LBZ, MWZ, ODZ, RUGZ, AWKZ, MKAZ, ICZ, WTAZ, RVAZ, WIAZ, MBZ, WCVZ, OUZ, CTZ.

DJA 21 11:59:24.1±0.6, 7°S:4°10'6E±1.1, h28km, 5km, M3.8/8, MLV3.8/8, Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SKJ, CGJ, SBJ, LEM, CISI, CMJ, KAS, KLSI.

WEL 21 12:03:02.5, 42°S:1°17.4E±1.1, h10km, 3km, M3.9/42, ML4.1/42, MLV3.9/42, Error ellipse: s-maj=0.0km s-min=0.0km az=106.1, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMWZ, BSWZ, BHW, THW, WEL, TCV, PLWZ.

2013 JUL

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MSWZ, CAW, PAWZ, NNZ, DUWZ, MWZ, TRWZ, KHZ, OGWZ, HOWZ, THZ, THWZ, MRZ, TIWZ, CPWZ, OHWZ, PRWZ, POWZ, GVZ, BFZ, DVHZ, ANWZ, WAZ, AMZ, PRH, LREZ, PHZ, WPHZ, OKCZ, NMEZ, CR LZ, KRHZ, KAHZ, MOZ, MVTZ, OXZ, NBEZ, INZ, AKCZ, MOVZ, PKVZ, DREZ, PKE, KRHZ, BLKZ, DRZ, WHZ, WRZ, FWZ, TUWZ, MHEZ, KAHZ, NGWZ, THWZ, KWHZ, TWVZ, KRVZ, MCHZ, CKHZ, PKBZ, RITZ, BKZ, RATZ, HATZ, WVZ, ARHZ, WATZ, HIZ, MRHZ, RIZ, KUTZ, MTHZ, RAHZ, ALRZ, TLZ, PLZ, KNZ, MHGZ, MRUZ, PRGZ, POZ, RIGZ, RAGZ, URZ, TOZ, MARZ, MWZ, LBZ, TKGZ, ODZ, RWGZ, KBAZ, MKAZ, AWKZ, HUZ, PAZ, PKGZ, ETAZ, WIAZ, RVAZ, WIAZ, MBZ, KUZ, WCVZ, WYZ, SARO, GRAM, GZT.

GEN 21 12:05:17.5, 44.21N:10.12E, h4km, 1km, M10.5, Northern Italy

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EQUI, SARO, GRAM, GZT.

ZUR 21 12:06:20.7, 47.42N:9.32E, h5km, MLH1.4/1.1, 2C-2D, Error ellipse: s-maj=1.7km s-min=0.9km az=278.0, Germany

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SGT00, SGT01, SGT02, SGT03, SGT04, SGT05, SGT06, SGT07, SGT08.

ISCJB 21 12:07:29.0, 7.0, 3.24, 20S:0.02:67.26W:0.03, h188km, 4km, mb3.6/9, Error ellipse: s-maj=5.0km s-min=3.6km az=164.8

SJA 21 12:07:29.0, 6.24, 18S:67.15W, h198km, 6km, ML3.0, MW3.6

IDC 21 12:07:30.4, 1.0, 24, 13S:67.15W, h177km, 8km, mb3.4/8, mb1 3.6/15, mb1mx3.5/31, mbmtap3.9/15, Error ellipse: s-maj=15.9km s-min=12.5km az=45.0

GUC 21 12:07:32.0, 6.0, 24, 11S:67.67W, h205km, 10km, ML4.2, NEIC 21 12:07:32.0, 6.0, 24, 11S:67.68W, h204km, mb4.6/2,

1134

ML4.2(GUC), After GUC. ISC 21 12:07:30.1, 0.7, 24, 17S:0.04:67.23W:0.04, h182km, 7km, n49, i=162/74, mb3.8/9, 7C-1D, Chile-Argentina border region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SLA, HJA, LVC, FSA, BFA, PB15, GO02, YJA, YJA, PB06, PB06, PB14, PB14, PB05, AHML, AHML, AHML, GO03, GO03, GO03, CYA, CYA, VCA, VCA, G001, G001, PB11, MNMC, LCO, GO04, CFA, LPAZ, LPAZ, LPAZ, LPAZ, SIV, SIV, PLCA, BDFB, BDFB, PTGA, RCAR, TORO, TORO, PDAR, BOSA, KEST, YKA, ASAR, WRA, MKAR, ISCJB 21 12:09:11.6, 0.5, 24, 06N:0.02:122.21E:0.02, h9km, 3km, Error ellipse: s-maj=3.2km s-min=2.2km az=149.1, JMA 21 12:09:12.0, 0.1, 24, 01N:122.18E, h24km, 2km, M2.3, TAP 21 12:09:12.4, 24, 00N:122.20E, h10km, 1km, ML2.8, ISC 21 12:09:11.5, 1.0, 24, 05N:122.122E:0.02, h10km, 9km, n79, a056/123, Taiwan region

ETLH	baz=329 Xiulin Townshi baz=281	0.68 284	eP	Pg	12 09 25.2 +0.6
ETLH	baz=281 Shilin baz=249	0.74 252	eP	Sb	12 09 35.1 +0.3
ESL	baz=249 Yonagunijimaku	0.79 59	P	Pb	12 09 28.0 +0.7
EGFH	baz=240 Guangfu baz=240	0.80 242	eP	Pg	12 09 27.2 +0.2
EGFH	baz=240 ilan	0.83 330	eP	Pg	12 09 39.0 +0.6
ENTT	baz=329 Nioudou baz=314	0.83 316	eP	Pg	12 09 27.4 0.0
TWE	baz=323 Neicheng Townshi	0.83 324	P	Pg	12 09 26.9 -0.5
NDT	baz=309 Datong Townshi	0.84 312	eP	Pg	12 09 27.7 +0.1
NNSB	baz=295 Datong	0.84 297	eP	Pb	12 09 28.2 0.0
NNSB	baz=295 Yonaguni jima baz=61	0.85 61	eP	Pb	12 09 28.6 +0.4
YOJ	baz=61 Yonaguni jima	0.85 61	P	Sb	12 09 29.9 +0.6
YOJ	baz=295 Nan Shan	0.85 298	eP	Pg	12 09 28.4 +0.5
WHF	baz=274 Hehuan Shan baz=274	0.86 277	P	Pg	12 09 28.5 +0.4
WHF	baz=274 Toucheng baz=336	0.87 337	eP	Pg	12 09 27.7 -0.7
NTC	baz=336 Ruisui	0.90 232	eP	Pg	12 09 28.6 -0.3
HGSD	baz=230 Renai baz=269	0.94 271	eP	Pg	12 09 29.8 +0.2
CHGB	baz=269 Tachien baz=280	0.96 283	eP	Pg	12 09 29.9 0.0
THW	baz=234 Hungye	0.97 236	P	Pg	12 09 29.9 -0.3
TDCB	baz=280 Techi baz=234	0.97 282	eP	Pg	12 09 30.1 -0.2
YHNB	baz=308 Yeheng	0.97 310	eP	Pg	12 09 30.4 +0.1
NSK	baz=308 Sanguang	0.99 309	eP	Pg	12 09 30.6 0.0
VWDT	baz=251 WDT	1.01 253	eP	Pg	12 09 30.7 -0.2
VWDT	baz=251 Yu-hi baz=230	1.05 232	eP	Pg	12 09 30.9 -0.8
TWF1	baz=228 Yuli	1.08 230	eP	Pg	12 09 31.6 -0.6
TWA	baz=328 Mucha baz=328	1.09 329	eP	Pg	12 09 32.6 +0.4
NWF	baz=339 Wu-fen Shan baz=339	1.09 340	eP	Pg	12 09 32.1 -0.4
WFBS	baz=339 Wu-fen Shan	1.09 340	eP	Pg	12 09 32.1 -0.3
NHHD	baz=325 Xindian Distri	1.10 326	eP	Pb	12 09 33.1 +0.5
TATO	baz=324 Taipai baz=324	1.13 325	eP	Pg	12 09 33.2 0.0
TATO	baz=324 Techi	1.17 270	eP	Pg	12 09 46.7 -1.2
DPDB	baz=267 Guoxing	1.17 270	eP	Pg	12 09 33.3 -0.5
SSLB	baz=255 Suanglung	1.17 258	eP	Pb	12 09 33.2 -0.5
WLTB	baz=311 Daxi Sun Moon Lake baz=260	1.20 262	P	Pg	12 09 33.9 -0.4
SMLT	baz=260 Chengkung	1.22 219	eP	Pg	12 09 35.5 +0.6
LIOB	baz=297 Emei baz=297	1.23 299	eP	Pn	12 09 35.1 +0.3
LIOB	baz=297 YM01	1.24 332	eP	Sb	12 09 50.6 -0.3
YM01	baz=331 YM01	1.24 332	eP	Pn	12 09 33.8 -1.1
YM01	baz=331 Yuchi baz=262	1.24 264	eP	Pn	12 09 50.6 -0.3
TYC	baz=262 Nanjuang	1.24 298	eP	Sb	12 09 50.4 -0.5
NSTT	baz=296 YM10	1.25 332	eP	Pn	12 09 35.1 +0.3
YM10	baz=331 YM10	1.25 332	eP	Sb	12 09 51.0 -0.3
YM05	baz=332 YM05	1.25 333	eP	Pn	12 09 34.4 -0.7
YM04	baz=330 YM04	1.26 331	eP	Pn	12 09 34.4 -0.7
YM08	baz=333 YM08	1.27 334	eP	Pn	12 09 34.7 -0.5
YM03	baz=331 YM03	1.28 332	eP	Pn	12 09 34.8 -0.7
WHYT	baz=252 Xinyi Township baz=252	1.28 254	eP	Pg	12 09 36.1 0.0
WHYT	baz=252 Liyutan	1.34 283	eP	Pn	12 09 36.5 +0.3
TWY	baz=281 Chenhuia baz=281	1.34 336	eP	Pn	12 09 35.2 -1.0
WJS	baz=259 Zhushan baz=259	1.36 261	eP	Pb	12 09 37.5 +0.4
WJS	baz=259 Alishan baz=245	1.39 248	eP	Sg	12 09 55.9 +0.4
ALS	baz=245 Alishan	1.39 248	eP	Sb	12 09 37.7 +0.1
ALS	baz=245 Mirngjan baz=261	1.40 263	eP	Sb	12 09 54.5 -1.0
WNT	baz=261 Mirngjan	1.40 263	eP	Sb	12 09 37.8 +0.2
IRIF	baz=261 Iriomote-Funau	1.43 78	P	Sn	12 09 56.0 +0.6
IRIF	baz=261 Gukung	1.43 78	P	Sn	12 09 38.2 +0.1
WGK	baz=255 Gukung	1.54 257	eP	S	12 09 56.2 0.0
WGK	baz=255 Douliu baz=255	1.56 257	eP	Sg	12 10 01.1 0.0
WDLH	baz=255 Douliu	1.56 257	eP	Pb	12 09 40.2 -0.2
WDLH	baz=255 Tauyuan baz=235	1.59 237	eP	Sg	12 10 01.9 +0.1
STYT	baz=235 Pinlang	1.60 221	eP	Pn	12 09 40.8 -0.2
STYT	baz=241 Ta-pu	1.62 243	eP	Sb	12 09 59.9 -0.5
TPUB	baz=241 Ta-pu	1.62 243	eP	Sb	12 09 41.0 -0.4
TPUB	baz=241 Tsashan	1.63 245	P	Sb	12 10 01.4 +0.4
CHN4	baz=243 Ta-pu	1.66 242	P	S	12 09 41.8 +0.3
CHN4	baz=243 Ta-pu	1.66 242	P	S	12 10 03.3 -0.5
WTP	baz=240 Ta-pu	1.66 242	P	Sb	12 09 41.7 -0.4
WTP	baz=240 Kuro-shima	1.66 83	P	Sb	12 10 03.6 +0.6
JKRS	baz=240 Kuro-shima	1.66 83	P	Pb	12 09 41.9 -0.3

RLNB	Erin baz=263	1.69 265	eP	Pn	12 09 41.7 +0.7
RLNB	baz=263 Hsiung baz=242	1.75 244	P	Sb	12 10 04.4 +0.4
TWK	baz=242 Tainan City baz=241	1.77 243	eP	Pn	12 09 42.9 +1.0
TWK	baz=242 Liugui baz=232	1.77 234	P	Sb	12 10 05.9 +0.1
SNST	baz=232 Ishigaki jima	1.80 80	P	Pb	12 09 43.6 -0.3
SNST	baz=217 Taimali	1.84 219	eP	Sn	12 10 06.1 0.0
SLGT	baz=217 Sandimen	1.94 228	eP	Pb	12 09 45.7 -1.1
SLGT	baz=227 Ishigakijimahi	2.00 74	P	Sb	12 10 10.9 -0.1
JISG	baz=224 Mashibuluo baz=224	2.03 226	eP	Pn	12 09 45.7 +0.4
MASBT	baz=224 MASHI	2.03 226	eP	Sn	12 10 09.3 -1.0
MASBT	baz=224 Anshuo	2.07 217	eP	Pn	12 09 45.7 +0.1
EAST	baz=216 Faniiau baz=220	2.21 221	eP	Pb	12 10 12.7 -1.0
SCZT	baz=220 Dungji baz=220	2.46 252	eP	Sn	12 09 47.6 +1.3
SCZT	baz=220 Dungji	2.46 252	eP	Sn	12 09 50.0 -1.5
WDGT	baz=250 P'eng-hu	2.46 258	eP	Pn	12 10 16.8 +1.2
WDGT	baz=256 Houxiangcun baz=288	2.97 290	eP	Pn	12 09 52.5 +0.9
PHUB	baz=256 Houxiangcun baz=288	2.97 290	eP	Pn	12 09 52.4 +0.8
PHUB	baz=256 Houxiangcun baz=288	2.97 290	eP	Pn	12 09 53.3 +1.6
PHUB	baz=256 Houxiangcun baz=288	2.97 290	eP	Sn	12 10 21.9 0.0
PHUB	baz=256 Houxiangcun baz=288	2.97 290	eP	Pn	12 09 58.1 -0.6

WEL 21 12:10:48.3,41'55.1"0:17'4E",h11km,2km,M3.5/20,
ML3.8/20,MLV3.5/20,Error ellipse: s-maj=0.0km
s-min=0.0km az=134.0, Cook Strait

Code	Station Name	Δ° AZ'	Op	Phase ID	Time	Res
					h m s	ISC
TCW	Tory Channel	0.24 357	P	Pb	12 09 41.7 +0.7	
TUWZ	Tuamarina	0.26 274	P	Pb	12 10 54.4 -0.7	
CMWZ	Cape Campbell	0.30 191	P	Pb	12 10 55.4 -0.4	
WEL	Wellington	0.39 65	P	Pb	12 10 57.0 -0.3	
BSWZ	Blackbirch Sta	0.41 230	P	Pg	12 10 56.9 +0.5	
BHW	Baring Head	0.44 85	P	Pb	12 10 57.6 -0.4	
CAW	Cannon Point	0.68 22	P	Pb	12 11 03.0 0.1	
DUWZ	D'Urville Isla	0.70 336	P	Pb	12 11 02.8 +0.2	
MSWZ	Moikau Station	0.72 88	P	Pb	12 11 03.1 +0.3	
NNZ	Nelson	0.73 288	P	Pb	12 11 02.8 -0.2	
PLWZ	Palliser	0.73 100	P	Pb	12 11 03.2 +0.1	
PAWZ	Parawai Farm	0.85 86	P	Pb	12 11 05.5 +0.3	
OGWZ	Otaiki Gorge	0.96 72	P	Pb	12 11 06.3 +0.1	
MTW	Mount Morrison	0.92 74	P	Pn	12 11 07.4 -0.2	
TRWZ	Traveller	1.05 88	P	Pb	12 11 09.0 0.0	
HOWZ	Holdsworth Sta	1.07 60	P	Pg	12 11 09.1 +0.2	
THZ	Topohouse	1.09 253	P	Pb	12 11 09.0 0.1	
KHZ	Kahurangi	1.12 210	P	Pn	12 11 10.2 +0.3	
MRZ	Mangatainoka R	1.25 51	P	Pb	12 11 12.1 +0.1	
TMWZ	Te Maipa	1.25 75	P	Pb	12 11 12.0 +0.1	
TIWZ	Tintock	1.38 61	P	Pb	12 11 14.1 0.0	
OHWZ	Ohakea	1.47 32	P	Pg	12 11 16.6 +0.2	
QWZ	Quartz Range	1.47 294	P	Pg	12 11 16.2 +0.3	
CPWZ	Castlepoint	1.54 70	P	Pg	12 11 20.4 +2.6	
POWZ	Post Office Ro	1.54 47	P	Pb	12 11 17.0 +0.2	
PRWZ	Porirua Road	1.55 56	P	Pb	12 11 16.6 -0.4	
BFZ	Birch Farm	1.66 63	P	Pn	12 11 17.2 -0.2	
WAZ	Wanganui	1.71 18	P	Pn	12 11 22.1 -0.2	
CAW	Cannon Valley S	1.78 21	P	Pn	12 11 20.9 +0.1	
DVHZ	Dannevirke	1.83 52	P	Pn	12 11 20.0 +0.3	
ANWZ	Angora Road	1.93 60	P	Pn	12 11 21.6 +0.9	
LREZ	Lake Rotokare	1.99 2	P	Pg	12 11 30.1 +3.7	
LTZ	Lake Taylor	2.01 228	P	Pn	12 11 22.7 +0.5	
PAWZ	Parawai Farm	2.06 351	P	Pg	12 11 28.7 +0.9	
PREZ	Palmer Road	2.11 357	P	Pg	12 11 28.3 -0.3	
PNHZ	Penkui	2.11 44	P	Pn	12 11 24.5 +0.9	
AMCZ	Amberley	2.11 215	P	Pn	12 11 23.3 -0.3	
WPHZ	Waipukurau	2.14 50	P	Pn	12 11 24.9 +0.9	
KHEZ	Kahui Hut	2.16 354	P	Pg	12 11 29.0 -0.8	
NBEZ	Newall Road No	2.25 24	P	Pg	12 11 30.4 -1.0	
MTVZ	Mangateitei	2.25 24	P	Pg	12 11 30.4 -1.0	
DREZ	Durham Road	2.26 358	P	Pg	12 11 31.7 +0.1	
PKEZ	Pukeiti	2.27 354	P	Pg	12 11 30.2 +1.0	
PKVZ	Pokaka	2.30 21	P	Pb	12 11 30.8 +0.9	
MOVZ	Mowhango	2.32 26	P	Pg	12 11 30.9 +0.3	
VRZ	Vera Road	2.35 9	P	Pb	12 11 30.7 +0.1	
BHHZ	Black Hill Sta	2.38 35	P	Pn	12 11 29.1 +1.8	
WHVZ	Whangaehu Hut	2.38 25	P	Pb	12 11 31.7 +0.4	
FWVZ	Far West T-bar	2.39 24	P	Pn	12 11 31.8 +0.3	
KRHZ	Kereru	2.40 42	P	Pb	12 11 28.1 +0.6	
TUVZ	Tukino	2.42 26	P	Pn	12 11 29.9 +0.9	
OKCZ	Okainga Bay	2.45 201	P	Pn	12 11 27.0 -1.3	
CRLZ	Canterbury Las	2.46 210	P	Pn	12 11 27.4 -0.9	
INZ	Inchbourne	2.47 238	P	Pn	12 11 29.5 +1.0	
NGZ	Ngaruhoe	2.48 24	P	Pn	12 11 32.9 0.0	
OXZ	Oxford	2.51 221	P	Pn	12 11 28.2 -0.9	
TRWZ	Traveller	2.52 29	P	Pn	12 11 34.9 +0.8	
WTVZ	West Tongariro	2.53 23	P	Pn	12 11 34.7 +0.9	
MQZ	McQueen's Vall	2.56 208	P	Pn	12 11 27.8 -1.9	
KRVZ	Karewarewa	2.57 24	P	Pn	12 11 35.1 +0.6	
KAHZ	Kahurangi	2.57 51	P	Pn	12 11 30.1 +0.2	
KWHz	Kaweka Forest	2.59 34	P	Pg	12 11 36.3 +1.4	
AKCZ	Akaroa Harbour	2.63 202	P	Pg	12 11 36.9 +1.3	
KATZ	Kakaramea	2.69 24	P	Pg	12 11 38.4 -1.5	
MCHZ	McNeill Hill	2.72 43	P	Pg	12 11 39.9 -0.4	
RITZ	Rihia Road	2.75 26	P	Pg	12 11 39.4 -1.5	
RAIZ	Rangitukua	2.82 24	P	Pg	12 11 40.4 +1.7	
BLKZ	Black Stump Fm	2.82 37	P	Pg	12 11 38.7 +0.2	
HATZ	Hinematua	2.90 29	P	Pg	12 11 42.7 -1.2	
WATZ	Wairara	2.95 22	P	Pb	12 11 42.7 +1.7	
HIZ	Hauti	2.96 9	P	Pb	12 11 39.8 -1.3	
MRHZ	Matea Rd	3.08 33	P	Pb	12 11 45.0 +1.9	
WVZ	Waiteha Valley	3.10 237	P	Pn	12 11 40.2 +3.1	
KUZ	Kauro	3.15 29	P	Pb	12 11 43.9 -0.9	
MTHZ	Maungataniwha	3.25 38	P	Pb		

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

21d 12h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like PB09 IPOC Station P, PB04 IPOC Station P, LVC Limon Verde, etc.

WEL 21 12:37:43.5, 42°S, 174°E, h5km, 1km, M3, 8/48, s-min=0.0km az=132.3, Cook Strait

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, TCW Tory Channel, etc.

IDC 21 12:39:05.1, 0.8, 41.46S, 174.27E, h0km, mb4.4/5, mb1.4/5.7, mb1.9/5.7, mbtmp4.3/7, ML3.72, MS3.8/2, Ms1.3/7.2, ms1mx3.2/18, Error ellipse: s-maj=26.4km s-min=22.0km az=113.0

BUI 21 12:39:06.0, 0.4, 42.26S, 173.75E, h11km, mb5.1/3, mb4.9/1, Ms4.9/2, Ms7.4/6/1

ISCBJ 21 12:39:07.0, 0.3, 41.73S, 0.02, 174.37E, 0.03, h21km, 3km, mb4.7/19, MS4.2/4, Error ellipse: s-maj=4.4km s-min=2.2km az=135.0

WEL 21 12:39:07.9, 41.65S, 0.8, 174.3E, 0.8, h12km, 2km, M4.5/17, ML4.8/17, ML4.5/17, Error ellipse: s-maj=0.0km s-min=0.0km az=139.5

NEIC 21 12:39:07.9, 0.41, 39S, 174.34E, h12km, mb4.8/13, MW4.4, ML4.5/WEL1 Moment Tensor Solution, S=36 Moment tensor: Scale 10^5Nm; Mw=4.52; Ms=0.60; Mw-3.2; Ms=0.69; Mw-3.23; Mw-1.79; Best double couple: Ms5.70000, 1015 NP1.362600000, 855.00000, 1.84.00000. NP2=0.182.00000, 835.00000, 1.99.00000. Principal axes: T 4.8800, P1g79.0000, Azm272.0000; N 1.3400, P1g5.0000, Azm30.0000; P -6.2200, P1g10.0000, Azm121.0000; After WEL

ISC 21 12:39:07.4, 1, 3.4163S, 0.03, 174.35E, 0.02, h1km, 8km, n200, s1933/213, mb4.8/19, MS4.4/4, 2C, Cook Strait

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like CMWZ Cape Campbell, BSUZ Blackbirch Sta, TUWZ Tuamarina, etc.

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Main table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like AMCZ Amberley, LREZ Lake Rotokare, PRHZ Porangahau, etc.

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Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SYO Syowa Base, SNAAS Sanae, SNAAS Sanae, etc.

IDC 21 12:42:36.2, 13.0, 17.17S, 178.83W, h512km, 169km, mb2.8/5, mb1.3/2.5, mb1mx2.8/35, mbtmp3.7/5, Error ellipse: s-maj=126.2km s-min=39.0km az=162.0, Fiji Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like ASAR Alice Springs, NVAR Minna Array Bea, ILAR Ilarama, etc.

WEL 21 12:48:13.8, 41°S, 175°E, h13km, 2km, M3, 5/37, ML3.4/10, ML3.5/37, Error ellipse: s-maj=0.0km s-min=0.0km az=18.2, Cook Strait

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BHW Baring Head, CAW Cannon Point, PLWZ Palliser, etc.

21d 13h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Haines Junction, Eagle Plains, and various AM/FM stations.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Colim, ARSZA, MVCO, and various AM/FM stations.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like Potoskey, Iron Bridge, and various AM/FM stations.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other details. Includes stations like Pataskala, Lamas de Olo, Williamsport, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other details. Includes stations like Torodi Ar. Sit, Torodi Ar. Bea, TORO, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other details. Includes stations like NELN, Nelson, TCW, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other details. Includes stations like CMWZ, Cape Campbell, BSWZ, etc.

Table with columns: Call Sign, Station Name, Frequency, Mode, and other details. Includes stations like AKCZ, Akaroa Harbour, PKZE, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like IRIF, Iriomote-Funau, YOJ, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like TWD, Chiawan, HWA, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like HOWZ, Holdsworth Sta, OHWZ, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like CMWZ, Cape Campbell, BSWZ, etc.

Table with columns: Code, Station Name, Frequency, Mode, and other details. Includes stations like TCW, Tory Channel, CMWZ, etc.

21d 14hr

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like DUVW D'Urville Isla, NNZ Nelson, PAWZ Paruwai Farm, etc.

WEL 21 13:51:12.1,41.65:0.9,17.4E, h13km,2km, M3.7/25, ML3.9/18, MLV3.7/25, Error ellipse: s-maj=0.0km s-min=0.0km az=128.2, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CMWZ Cape Campbell, TUWZ Tuamariina, BSWZ Blackbirch Sta, etc.

WEL 21 13:54:24.4, 42'S:2.174'E, h5km,2km, M3.6/43, ML3.7/21, MLV3.6/43, Error ellipse: s-maj=0.0km s-min=0.0km az=144.6, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamariina, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like PREZ Palmer Road, OKCZ Okains Bay, KHEZ Kahui Hut, etc.

WEL 21 14:24:31.7, 42'S:1.174'E, h22km,2km, M3.8/22, ML4.1/22, MLV3.8/22, Error ellipse: s-maj=0.0km s-min=0.0km az=137.0, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like CMWZ Cape Campbell, TUWZ Tuamariina, BSWZ Blackbirch Sta, etc.

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Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like JKRS Kuro-shima, JKRS Nelson, JIJ Ishigaki jima, etc.

TAP 21 14:26:48.4, 24.333N:121.41E, h5km, ML0.5, D, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like NNSB Datong, NNSB baz=347, NNS Nan Shan, etc.

KRNET 21 14:28:52.3:0.1, 40.83N:78.76E, mb2.8, NNC 21 14:28:54.5:6.7, 40.87N:78.62E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=52.4km s-min=36.3km az=167.0, ISC 21 14:28:54.8:3.4, 41.00N:0.1:78.60E:0.08, h3km, 19km, n11, -1569/18, 9C-7D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like NRN Naryn, ULRH Ulahol, ULHL baz=8.0, PDGK Podgornoye, etc.

WEL 21 14:38:33.6, 42'S:3.175'E, h5km,2km, M3.6/43, ML3.7/22, MLV3.6/43, Error ellipse: s-maj=0.0km s-min=0.0km az=115.3, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like BHW Baring Head, BHW Wellington, PLWZ Palliser, etc.

21d 15h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like SMCC Simmler, LOHW Long Hallow, ULM Lac du Bonnet, etc.

2013 JUL

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like KSRS Korea Array, KS15 Wonju Array, LZH Lanzhou, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like FINES FINESS Array B, TXAR Lajitas Array, KBZ Khabaz, etc.

Table with columns: ACZK, FWVZ, TUWZ, NGZ, WTVZ, KRVZ, KWHZ, KATZ, RITZ, BKZ, WYVZ, HAUZ, LBZ, ODZ. Includes station names, coordinates, and other data.

Table with columns: RRRZ, MHGZ, TARZ, OMRZ, MKRZ, PRGZ, RAGZ, RIGZ, KMRZ, EDZ, TOZ, MARZ, MWZ, OPRZ, TGRZ, TKGZ, LBZ, LAZ, CNZ, RUGZ, KBAZ, AWAZ, MKAZ, LAZ, ODZ, ETAZ, WTAZ, PUZ, HAZ, EPAZ, HBAZ, WIAZ, MBAZ, JUZ, KJZ, KZ, MXZ, WKZ, WAZ, TUZ, MLZ, WHZ, OZ, DZM. Includes station names, coordinates, and other data.

Table with columns: KIC, TBIC, ARAO, BR10, BR11, BRTR, TOAO, TORD, TORO, TOA1, FIAO, AKASO, AKAB, KOLS, KYHS, GERS, ESDC. Includes station names, coordinates, and other data.

BUI 21 15:15:09.1±0.0, 41°11'S; 174°75'E, h5km, mb5.3/7, mb5.6/2, Ms4.9/3, M5.7/4.6/2

ISCJB 21 15:15:11.6±0.2, 41°59'S; 022°174.36'E; 0'03, h10km, mb4.0/14, MS4.2/17, Error ellipse: s-maj=3.9km s-min=2.0km az=137.0

NEIC 21 15:15:11.0±0.0, 41°46'S; 174°30'E, h10km, mb4.9/8, MW4.9, ML4.9(WEL), Moment Tensor Solution. s41 Moment tensor: Scale 10^16Nm; M=0.20; Mw=0.39; Mw-0.59; Mw-0.51; Mw-2.92; Mw-0.49; Best double couple: Ms3.000000, 1016° NP1.364.000000, 880.000000, 1.719.000000, NP2.364.000000, 881.000000, 1.111.000000.

Principal axes: T 3.0400, P1g14.0000, Azm40.0000; N 0.0200, P1g76.0000, Azm217.0000; P -3.0600, P1g1.0000, Azm310.0000; After WEL.

NEIC Felt in the northern part of the South Island and the southwestern part of the North Island.

IDC 21 15:15:11.8±0.8, 41°40'S; 174°22'E, h0km, mb4.5/6, mb1.4/7.8, mb1mx4.3/2.3, mbML3.8/2, MS4.2/13, MS1.4/2.13, ms1mx4.1/1.7, Error ellipse: s-maj=28.5km s-min=17.3km az=131.0

WEL 21 15:15:11.8, 41°55.0'±0.9, 174°E, h10km, mb4.9/13, ML5.1/13, ML4.9/13, Error ellipse: s-maj=0.0km s-min=0.0km az=127.7

ISC 21 15:15:12.4±0.4, 41°50'S; 023°174.32'E; 0'02, h10km, n216, r150/214, mb4.9/14, MS4.1/17, 2D, Cook Strait

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists numerous stations like CMWZ, TCW, TUWZ, SNZO, WEL, BSWZ, BHW, CAW, MSWZ, PLWZ, DUWZ, NNZ, PAWZ, OGWZ, MTW, TRWZ, HOWZ, KHZ, KHZ, THZ, THZ, TMWZ, MRZ, TWZ, OHWZ, QRZ, CPWZ, POWZ, PRWZ, BFZ, BRZ, GVZ, WAZ, DVHZ, ANWZ, LTZ, LREZ, AMCZ, NMEZ, PNHZ, PRHZ, WPHZ, PREZ, KHEZ, NBEZ, MTWZ, PKEZ, PKVZ, MOVZ, VRZ, BHZ, OKCZ, DRZ, MHEZ, KRHZ, PKZ, CRLZ, CRLZ, TUWZ, OXZ, NGZ, MOZ, MOZ, WYVZ, WTVZ, KAHZ, AKCZ, KRZ, KWHZ, KATZ, RITZ, CKHZ, RATZ, BKZ, BKZ, HATZ, WATZ, RHZ, ARHZ, WYVZ, WHZ, PRHZ, GRRZ, HRRZ, HSRZ, MUGZ, KRZ, SNZ, RNZ.

URZ 31nm, 0.3s, baz=61, slow=23, SNR=3.2

URZ 40nm, 0.3s, baz=104, slow=18, SNR=4.4

URZ 4.5nm, 0.3s, baz=225, slow=6.2, SNR=10

URZ 11nm, 0.1s, baz=97, slow=16, SNR=2.3

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

URZ 11nm, 1.1s, baz=135, slow=5.7, SNR=5.1

WEL 21 15:17:57.8, 41°19'S; 174°47'E, h5km, mb3.5/10, ML3.8/9, ML3.5/10, Error ellipse: s-maj=0.0km s-min=0.0km az=142.8, Cook Strait

WEL 21 15:18:49.3±0.7, 33°83'N; 35°76'E, h32km, mb2.6, MD2.6

ISCJB 21 15:18:49.3±0.7, 33°83'N; 35°76'E, h32km, mb2.6, MD2.6

ISCJB 21 15:18:49.4±0.6, 33°74'N; 35°89'E, h1km, MD1.74

ISCJB 21 15:18:49.4±0.3, 33°65'N; 35°89'E, h2km, MD1.5

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

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ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

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ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

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ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like TCW, TUWZ, WEL, BHW, BSWZ, BHW, CAW, MSWZ, PLWZ, DUWZ, NNZ, PAWZ, OGWZ, MTW, TRWZ, HOWZ, KHZ, KHZ, THZ, THZ, TMWZ, MRZ, TWZ, OHWZ, QRZ, CPWZ, POWZ, PRWZ, BFZ, BRZ, GVZ, WAZ, DVHZ, ANWZ, LTZ, LREZ, AMCZ, NMEZ, PNHZ, PRHZ, WPHZ, PREZ, KHEZ, NBEZ, MTWZ, PKEZ, PKVZ, MOVZ, VRZ, BHZ, OKCZ, DRZ, MHEZ, KRHZ, PKZ, CRLZ, CRLZ, TUWZ, OXZ, NGZ, MOZ, MOZ, WYVZ, WTVZ, KAHZ, AKCZ, KRZ, KWHZ, KATZ, RITZ, CKHZ, RATZ, BKZ, BKZ, HATZ, WATZ, RHZ, ARHZ, WYVZ, WHZ, PRHZ, GRRZ, HRRZ, HSRZ, MUGZ, KRZ, SNZ, RNZ.

GRAL 21 15:18:48.3±0.3, 33°83'N; 35°76'E, h32km, mb2.6, MD2.6

ISCJB 21 15:18:49.3±0.7, 33°84'N; 03°35'89E; 0'04, h6km, 5km, Error ellipse: s-maj=5.9km s-min=4.7km az=41.7

ISCJB 21 15:18:49.4±0.6, 33°74'N; 35°89'E, h1km, MD1.74

ISCJB 21 15:18:49.4±0.3, 33°65'N; 35°89'E, h2km, MD1.5

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

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ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

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ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

ISCJB 21 15:18:49.4±0.3, 33°83'N; 35°89'E, h1km, g8km, n18, r050/30, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like TCW, TUWZ, WEL, BHW, BSWZ, BHW, CAW, MSWZ, PLWZ, DUWZ, NNZ, PAWZ, OGWZ, MTW, TRWZ, HOWZ, KHZ, KHZ, THZ, THZ, TMWZ, MRZ, TWZ, OHWZ, QRZ, CPWZ, POWZ, PRWZ, BFZ, BRZ, GVZ, WAZ, DVHZ, ANWZ, LTZ, LREZ, AMCZ, NMEZ, PNHZ, PRHZ, WPHZ, PREZ, KHEZ, NBEZ, MTWZ, PKEZ, PKVZ, MOVZ, VRZ, BHZ, OKCZ, DRZ, MHEZ, KRHZ, PKZ, CRLZ, CRLZ, TUWZ, OXZ, NGZ, MOZ, MOZ, WYVZ, WTVZ, KAHZ, AKCZ, KRZ, KWHZ, KATZ, RITZ, CKHZ, RATZ, BKZ, BKZ, HATZ, WATZ, RHZ, ARHZ, WYVZ, WHZ, PRHZ, GRRZ, HRRZ, HSRZ, MUGZ, KRZ, SNZ, RNZ.

GRAL 21 1

CAW	Cannon Point	0.69	53	P	Pg	15 22 26.8	-0.4
PLWZ	Palliser	0.69	94	P	Pg	15 22 28.0	+0.6
PLWZ				S	Sb	15 22 38.5	+0.3
MSWZ	Moikau Station	0.70	82	P	Pg	15 22 27.9	+0.5
NNZ	Nelson	0.78	293	P	Pg	15 22 27.5	-1.4
DUIWZ	D'Urville Isla	0.37	13	P	Pg	15 22 30.7	+1.3
PAWZ	Paruawai Farm	0.83	81	P	Pg	15 22 30.3	+0.3
OGWZ	Otaki Gorge	0.94	42	P	Pg	15 22 31.1	-1.0
MTW	Mount Morrison	0.95	68	P	Pg	15 22 32.4	+0.1
TRWZ	Traveller	1.02	84	P	Pg	15 22 33.6	0.0
KHZ	Kahutara	1.07	213	ePn	Pb	15 22 34.6	-0.2
KHZ	Kahutara	1.27	363	P	Pb	15 22 41.4	-0.8
HOWZ	Holdsworth Sta	1.09	55	P	Pg	15 22 34.1	-0.8
THZ	Tophouse	1.10	257	ePn	Pg	15 22 33.5	-1.5
THZ	Tophouse	1.10	257	P	Pg	15 22 34.0	-1.1
TMWZ	Te Maipa	1.24	71	P	Pn	15 22 36.7	-1.0
MRZ	Mangatainaka R	1.27	213	P	Pn	15 22 36.9	-1.2
TIWZ	Tinok	1.38	58	P	Pn	15 22 38.8	-0.9
OHWZ	Ohakea	1.51	30	P	Pn	15 22 41.2	-0.2
QRZ	Quartz Range	1.53	296	P	Pn	15 22 41.1	-0.5
CPWZ	Castlepoint	1.54	67	P	Pn	15 22 40.9	-0.8
POWZ	Post Office Ro	1.57	44	P	Pn	15 22 41.5	-0.6
PRWZ	Port Road	1.57	53	P	Pn	15 22 41.4	-0.8
BFZ	Birch Farm	1.67	61	ePn	Pn	15 22 41.9	-1.7
BFZ	Birch Farm	1.67	61	P	Pn	15 22 42.1	-1.5
GVZ	Greta Valley S	1.74	213	P	Pn	15 22 43.8	-0.8
WAZ	Wanganui	1.83	16	P	Pn	15 22 46.8	+0.9
DYHZ	Dannevirke	1.83	58	P	Pn	15 22 44.6	-1.1
ANWZ	Angora Road	1.84	58	P	Pn	15 22 45.6	-1.7
LTZ	Lake Taylor	1.98	230	ePn	Pn	15 22 47.1	-0.8
LTZ	Lake Taylor	1.98	230	P	Pn	15 22 47.6	-0.4
LRZ	Lake Rotokare	2.06	1	P	Pn	15 22 49.7	+0.8
AMCZ	Amberley	2.07	216	P	Pn	15 22 48.0	-1.1
NMEZ	Namu Road	2.16	240	P	Pn	15 22 47.7	+0.3
PNHZ	Pukeni	2.14	42	P	Pn	15 22 49.0	-1.1
PRHZ	Porangahau	2.15	55	P	Pn	15 22 48.3	-1.8
WPHZ	Waipukurau	2.16	48	P	Pn	15 22 49.0	-1.3
PHEZ	Palmer Road	2.18	356	P	Pn	15 22 52.0	+1.4
KREZ	Kahui Hut	2.24	354	P	Pn	15 22 52.9	+1.5
NBEZ	Newairua Road No	2.25	43	P	Pn	15 22 53.7	+1.3
MTVZ	Mangateitei	2.30	23	P	Pn	15 22 53.7	+1.3
DREZ	Durham Road	2.33	357	P	Pn	15 22 54.5	+1.8
PKE	Pukeitei	2.34	353	P	Pn	15 22 53.9	+1.1
PKVZ	Pokai	2.36	19	P	Pn	15 22 54.1	+1.0
MOVZ	Moaehanga	2.37	28	P	Pn	15 22 53.1	-0.2
OKCZ	Okains Bay	2.39	203	P	Pn	15 22 51.6	-1.8
CR LZ	Canterbury Las	2.41	211	ePn	Pn	15 22 51.5	-2.2
CR LZ	Canterbury Las	2.41	211	P	Pn	15 22 51.9	-1.9
VRZ	Vera Road	2.42	8	P	Pn	15 22 54.5	+0.7
BHZ	Black Hill Sta	2.42	34	P	Pn	15 22 53.6	-0.4
PKZ	Pawana	2.43	23	P	Pn	15 22 51.2	-2.1
DRZ	Dome Shelter	2.43	23	P	Pn	15 22 55.6	+0.3
WHVZ	Whangahau Hut	2.43	24	P	Pn	15 22 55.0	+0.7
KRHZ	Kereru	2.43	40	P	Pn	15 22 52.7	-1.4
MHEZ	Mangahewa	2.44	360	P	Pn	15 22 56.2	+2.0
FWVZ	Far West T-bar	2.45	23	P	Pn	15 22 55.2	+0.7
INZ	Inchbonnie	2.46	240	P	Pn	15 22 54.7	+0.3
TUVZ	Tuxford	2.47	25	P	Pn	15 22 55.2	+0.6
OXZ	Oxford	2.48	223	ePn	Pn	15 22 52.8	-1.9
OXZ	Oxford	2.48	223	P	Pn	15 22 53.1	-1.6
MOZ	McQueen's Vall	2.51	209	ePn	Pn	15 22 52.3	-2.8
MOZ	McQueen's Vall	2.51	209	P	Pn	15 22 52.8	-2.8
NGZ	Ngauruhoe	2.52	23	P	Pn	15 22 56.4	+0.8
AKCZ	Akaroa Harbour	2.57	204	P	Pn	15 22 54.2	-1.8
WTVZ	West Tongariro	2.59	22	P	Pn	15 22 57.0	+0.7
TWVZ	Taurewa	2.59	19	P	Pn	15 22 56.9	+0.6
KAHZ	Kahuranaki	2.59	49	P	Pn	15 22 54.4	-1.9
KRWZ	Karewarewa	2.63	38	P	Pn	15 22 57.0	+0.8
KWHZ	Kaweka Forest	2.63	38	P	Pn	15 22 55.6	-1.3
KATZ	Kakaramea	2.75	23	P	Pn	15 22 59.5	+1.0
MCHZ	McNeill Hill	2.75	42	P	Pn	15 22 57.0	-1.4
RITZ	Rihia Road	2.79	25	P	Pn	15 22 59.3	+0.3
CKHZ	Cape Kidnapper	2.80	49	P	Pn	15 22 57.2	-1.9
RAHZ	Rangitikei	2.81	41	P	Pn	15 22 58.1	-1.2
BKZ	Black Stump Fm	2.87	36	ePn	Pn	15 22 58.3	-1.9
BKZ	Black Stump Fm	2.87	36	P	Pn	15 22 58.7	-1.5
HATZ	Hinemaiaia	2.95	28	P	Pb	15 23 06.0	-0.8
WATZ	Wairara	3.01	21	P	Pb	15 23 02.2	+0.2
HIZ	Hautiti	3.03	8	ePn	Pn	15 23 02.8	+0.5
AHZ	Aropanui	3.04	43	P	Pn	15 23 03.3	+1.0
WVZ	Waitaha Valley	3.09	239	P	Pn	15 23 00.5	-1.8
WHTZ	Whakaora	3.11	24	P	Pn	15 23 02.7	-0.3
MHZZ	Matea Rd	3.12	31	P	Pn	15 23 01.9	-1.7
KUTZ	Kaahu Road	3.12	31	P	Pn	15 23 02.0	+0.9
RPZ	Rata Peaks	3.27	227	Pn	Pn	15 23 04.0	-1.5
RPZ	3.27	227	Pn	Sb	Sb	15 23 42.1	-2.5
RPZ	30m,0.3s,baz=142,slow=22,SNR=13			Lg	Lg	15 24 01.3	
RPZ	24m,0.3s,baz=284,slow=17,SNR=4.9			Lg	Lg	15 24 01.8	
RPZ	comp=Z,536nm,21.7s,baz=7.5,slow=33			LR	LR	15 24 01.8	
RPZ	Rata Peaks	3.27	227	ePn	Pn	15 23 04.4	-1.2
RPZ				Sb	Sb	15 23 42.1	-2.5
RPZ				Lg	Lg	15 24 01.3	
RPZ	Rata Peaks	3.27	227	P	Pn	15 23 04.3	-1.2
MTHZ	Maungataniwha	3.29	37	P	Pn	15 23 04.0	-1.9
WHZ	Waihua	3.30	43	P	Pn	15 23 04.2	-1.8
TLZ	Tolley Road	3.32	19	P	Pn	15 23 04.2	-1.8
ALRZ	Allen Road	3.33	28	P	Pn	15 23 05.0	-1.5
RAHZ	Arahi	3.35	40	P	Pn	15 23 04.4	-2.2
PRRZ	Plateau Road	3.41	28	P	Pn	15 23 06.0	-1.5
GRZ	Galatos Road	3.45	24	P	Pn	15 23 07.6	-0.5
HRZ	Handcock Road	3.47	26	P	Pn	15 23 08.0	-0.4
HSRZ	Hossack Road	3.53	25	P	Pn	15 23 08.3	-0.3
RTZ	Ruatahuna	3.54	36	P	Pn	15 23 10.1	+0.7
MUGZ	Murupara	3.57	32	P	Pn	15 23 07.5	-2.2
KNZ	Kokohu	3.57	47	P	Pn	15 23 06.7	-3.0
SHNZ	Shannon Statio	3.58	41	P	Pn	15 23 07.5	-2.3
RRRZ	Republican Roa	3.59	29	P	Pb	15 23 08.7	-1.6
RRRZ				Pb	Pb	15 23 15.2	-2.6
MHGZ	Mahia Peninsula	3.61	50	P	Pn	15 23 07.9	-2.4
UTU	Utuhina	3.63	24	P	Pn	15 23 13.3	+2.7
TARZ	Mount Tarawera	3.68	28	P	Pn	15 23 10.2	-1.1
NGRZ	Ngongotaha	3.70	23	P	Pb	15 23 17.6	-2.1
OMRZ	Omanu	3.75	17	P	Pn	15 23 11.7	-0.5
MKRZ	Makaiti	3.76	27	P	Pn	15 23 13.4	+1.0
PRGZ	Paritua Road	3.76	47	P	Pn	15 23 09.4	-2.9
KARZ	Kaharoa	3.79	23	P	Pn	15 23 13.9	+1.1
RAGZ	Rawiri	3.84	39	P	Pn	15 23 10.7	-2.8
RIGZ	Rimuhau	3.85	44	P	Pn	15 23 10.3	-3.3
KWRZ	Kaimai	3.87	19	P	Pn	15 23 14.2	+0.3
EDRZ	Edgecombe	3.88	29	P	Pn	15 23 16.7	+2.7
TOZ	Tahuroa Road	3.89	14	P	Pn	15 23 14.4	+0.3
URZ	Urewera	3.90	34	Pn	Pn	15 23 11.2	-3.0
URZ	36m,0.3s,baz=229,slow=4.1,SNR=32			Sb	Sb	15 23 56.4	-3.7
URZ	15m,0.3s,baz=244,slow=16,SNR=3.2			Lg	Lg	15 24 11.8	
URZ	15m,0.3s,baz=65,slow=21,SNR=2.8			Lg	Lg	15 24 11.8	
FOZ	Fox Glacier	3.90	237	ePn	Pn	15 23 11.4	-2.7
FOZ	Fox Glacier	3.90	237	P	Pn	15 23 13.6	-0.6
FOZ	Fox Glacier	3.90	237	P	Pn	15 23 14.2	0.0
MARZ	Manawaha	3.96	28	P	Pn	15 23 13.7	-1.5
MWZ	Matawai	4.02	39	P	Pn	15 23 12.6	-3.3
OPRZ	Ohinepanea	4.05	26	P	Pn	15 23 14.7	-1.6
TGRZ	Tauranga	4.07	22	P	Pb	15 23 17.2	+0.9
TGRZ				Pb	Pb	15 23 22.2	-3.7
TKGZ	Te Karaka	4.09	42	P	Pn	15 23 13.5	-3.4
LBZ	Lake Benmore	4.18	225	ePn	Pn	15 23 17.0	-1.1
LBZ	Lake Benmore	4.18	225	P	Pn	15 23 17.2	-0.9
CNGZ	Carnagh Statio	4.25	46	P	Pn	15 23 16.5	-2.4
TWGZ	Tauwharoparae	4.25	41	P	Pn	15 23 17.7	-2.9
RUGZ	Raukumara Rang	4.39	37	P	Pn	15 23 18.3	-2.7
ODZ	Otahua Downs	4.43	216	ePn	Pn	15 23 19.1	-2.5
ODZ	Otahua Downs	4.43	216	P	Pn	15 23 19.4	-2.2
KBZ	Karaka Road Bo	4.44	6	P	Pn	15 23 22.8	+1.1
AWAZ	Awhitu Peninsula	4.46	9	P	Pn	15 23 22.7	+0.1
MKAZ	Moumakai	4.46	9	P	Pn	15 23 22.7	+0.5
ETAZ	East Tamaki Re	4.58	6	P	Pn	15 23 24.6	+1.0
WTAZ	Waatarua	4.58	2	P	Pn	15 23 25.4	+1.8
HAZ	Te Kaha	4.61	36	P	Pn	15 23 21.4	-2.5
PKGZ	Pakihoro	4.64	40	P	Pn	15 23 21.6	-2.8
EPAZ	Eden Park BICE	4.65	4	P	Pn	15 23 18.3	-3.5
HBAZ	Herne Bay Bore	4.67	4	P	Pn	15 23 28.6	+3.7
MBAZ	Motutapu North	4.76	5	P	Pn	15 23 27.1	+1.0
KJZ	Jackson Bay	4.81	236	P	Pn	15 23 27.2	+0.3
KUCZ	Kuaotunu	4.89	13	P	Pn	15 23 28.2	+0.4
MXZ	Matakoao Point	5.00	39	ePn	Pn	15 23 25.5	-3.9

MXZ	Matakoao Point	5.00	39	P	Pn	15 23 26.2	-3.2
WKZ	Wanaka	5.10	228	ePn	Pn	15 23 29.3	-1.5
WKZ	Wanaka	5.10	228	P	Pn	15 23 29.9	-0.8
HHZ	Highcliff Hill	5.13	211	P	Pn	15 23 29.5	-1.7
EAZ	Earnsleugh	5.21	223	P	Pn	15 23 32.6	+0.4
GRZ	Great Barrier	5.33	10	P	Pn	15 23 36.8	+2.9
WUZ	Waipu Caves	5.57	0	P	Pn	15 23 38.2	+1.0
TCZ	Tuapeka	5.59	216	P	Pn	15 23 36.9	-0.5
MSZ	Milford Sound	5.65	234	P	Pn	15 23 41.5	+3.3
MLZ	Mavora Lakes	5.94	228	ePn	Pn	15 23 40.8	-1.4
SUZ	Scrubby Hill	6.26	215	P	Pn	15 23 45.4	-1.1
OUZ	Omahuta	6.32	355	ePn	Pn	15 23 47.1	-0.4
QYZ	Omahuta	6.32	355	P	Pn	15 23 48.6	+1.2
WHZ	Wether Hill Ro	6.36	224	ePn	Pn	15 23 45.9	-2.2
DCZ	Deep Cove	6.54	231	ePn	Pn	15 23 50.1	-0.4
CTZ	Chatham Island	7.03	111	P	Pn	15 23 55.6	-1.6
AS31	Alce Springs	38.03	285	eP	Pn	15 29 30.4	-2.5
ASAR	Alice Springs	38.03	285	P	P	15 29 30.4	-2.5
WB2							

21d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CAIG El Cayaco, VHO Vista Hermosa, HUIG Huatulco.

IDC 21 15:59:08.8t.1.41.705x174.35E,h0km,mb3.3/2, mb1 3.4/4, mb1mx3.4/17, mbtmp3.2/43, ML2.9/2, MS3.2/1, Ms1 3.2/1, ms1mx2.8/7, Error ellipse: s-maj=45.0km, s-min=27.0km az=135.0

WEL 21 15:59:09.5, 42'S.17.4E, h5km, 3km, M3.5/5, ML3.6/21, MLv3.5/54, Error ellipse: s-maj=0.0km s-min=0.0km az=115.0

NEIC 21 15:59:09.0-0.0, 41.72S:174.35E, h5km, ML3.5(WEL), After WEL

NEIC Feit at Blenheim, Nelson and Porirua. ISCJB 21 15:59:10.1-0.7, 41.82S:0.03:174.39E:0.04, h2km, 5km, mb3.1/2, MS3.1/1, Error ellipse: s-maj=6.6km s-min=3.1km az=136.1

ISC 21 15:59:11.2-1.1, 41.71S:0.03:174.35E:0.03, h14km, 8km, n105, e130/104, Cook Strait

Main table for 21d 16h section, listing station codes, names, coordinates, and times. Includes stations like CMWZ Cape Campbell, BSZW Blackbirch Sta, TUWZ Tuamarina, etc.

RPZ 3.1mm, 0.3s, baz=98, slow=2.1, SNR=14

RPZ 3.2mm, 0.3s, baz=131, slow=19, SNR=4.8

RPZ Rata Peaks 3.15 229 ePn Pn 16 00 00.1 -0.3

RPZ Rata Peaks 3.15 229 P Pb 16 00 00.0 +0.3

WRA Warramunga Arr 40.16 290 P 16 06 46.0 -0.9

TORD Torodi Arr. Bea 150.875 PKPbc PKPbc 16 19 03.1 -0.6

IDC 21 16:10:04.7-2.1, 41.36S:174.10E, h0km, mb3.4/2, mb1 3.5/3, mb1mx3.4/28, mbtmp3.3/3, ML2.3/1, Error ellipse: s-maj=57.9km s-min=30.8km az=149.0

WEL 21 16:10:05.7, 41.17S:174.35E, h14km, 2km, h16.6/49, ML3.7/30, MLv3.6/49, Error ellipse: s-maj=0.0km s-min=0.0km az=129.3

NEIC 21 16:10:05.0-0.0, 41.64S:174.35E, h14km, ML3.6(WEL), After WEL

NEIC Feit at Blenheim. ISC 21 16:10:06.1-1.1, 41.67S:0.03:174.33E:0.02, h17km, 8km, n96, e109/97, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CMWZ Cape Campbell, BSZW Blackbirch Sta, TUWZ Tuamarina, etc.

2013 JUL

Main table for 2013 JUL section, listing station codes, names, coordinates, and times. Includes stations like TCW Tony Channel, BHW Baring Head, WEL Wellington, etc.

WEL 21 16:10:21.8, 41'S:07.174E:7.9, h9km, 94km, M3.6/14, MLv3.6/14, Error ellipse: s-maj=0.5km s-min=0.1km az=179.5, Cook Strait

RATZ Rangitukia 2.62 40 Op Pn 16 11 00.4 -0.9

WATZ Wairara 2.73 37 P Pb 16 11 03.5 -2.3

KUTZ Kaahu Road 2.94 36 P Pb 16 11 08.3 -0.5

ALRZ Allen Road 3.14 43 P Pb 16 11 09.0 -2.4

GRRZ Galatos Road 3.19 38 P Pb 16 11 13.4 +1.2

WEL 21 16:14:42.3, 41'S:40.173E:4.4, h135km, 41km, M3.2/7, ML3.5/7, MLv3.2/7, Error ellipse: s-maj=0.1km s-min=0.1km az=54.2, South Island

NEIC 21 16:15:42.4-4.1, 36.19N:142.05E, h0km, mb3.6/2, mb1 3.4/5, mb1mx3.2/43, mbtmp3.5/5, ML2.8/3, MS2.8/1, Ms1 2.8/1, ms1mx2.2/33, Error ellipse: s-maj=71.0km s-min=32.2km az=107.0

ISCJB 21 16:15:43.7, 1.3, 36.21N:0.06:142.0E:0.1, h23km, mb3.5/2, Error ellipse: s-maj=16.8km s-min=7.7km az=7.4

JMA 21 16:15:46.2, 0.2, 36.23N:141.79E:0.2km, h13.0, NNZ Nelson 0.80 320 P Pb 16 20 52.1 +1.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include NNZ Nelson, MTW Mount Morrison, OGWZ Otaki Gorge, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include CHOJ Chosi, JHYU Hitachinakyom, JHYU Itakoninouchi, etc.

WEL 21 16:18:09.7, 42'S:50.174E:3.1, h5km, 16km, M3.8/19, ML3.9/5, MLv3.8/19, Error ellipse: s-maj=0.1km s-min=0.0km az=149.1, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include BSWZ Blackbirch Sta, PLWZ Palliser, MSWZ Moikau Station, etc.

WEL 21 16:19:2.42, 42'S:2.174E:1.7, h20km, 3km, M3.7/19, ML3.4/18, MLv3.7/19, Error ellipse: s-maj=0.0km s-min=0.0km az=135.2, Cook Strait

CMWZ Cape Campbell 0.20 204 Op Pn 16 19 25.4 +0.4

TUWZ Tuamarina 0.32 296 P Pb 16 19 26.5 +0.4

BSWZ Blackbirch Sta 0.36 244 P Pb 16 19 27.3 +0.4

WEL Wellington 0.44 50 P Pb 16 19 28.8 +0.6

BHW Baring Head 0.70 90 P Pb 16 19 34.1 +0.1

MSWZ Moikau Station 0.71 78 P Pb 16 19 34.1 +0.0

CAW Cannon Point 0.73 51 P Pb 16 19 34.1 -0.2

NNZ Nelson 0.79 296 P Pb 16 19 34.8 -0.4

DUWZ D'Urville Isla 0.82 338 P Pb 16 19 35.6 -0.1

PAWZ Parurwai Farm 0.85 78 P Pb 16 19 37.3 +0.5

MTW Mount Morrison 0.86 66 P Pb 16 19 38.3 +0.5

OGWZ Otaki Gorge 0.99 41 P Pb 16 19 38.3 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Rows include KHZ Kahutara, TRWZ Traveller, THZ Topohouse, etc.

Table with columns: HOWZ, KHZ, THZ, TMWZ, MRZ, TWZ, OHWZ, CPWZ, PRWZ, POWZ, QRZ, BFZ, GVZ, DVHZ, WAZ, LTZ, LRZ, PRHZ, PNHZ, WPHZ, AMZ, NMEZ, PRZ, KHEZ, MTVZ, NBEZ, DREZ, PKZ, MOZ, PKVZ, PXZ, BHZ, KRHZ, PRZ, WHVZ, VRZ, FWVZ, OKZ, CRUZ, NGZ, INZ, OXZ, MQZ, WTVZ, THWZ, KWHZ, KRZV, AKCZ, KATZ, RTZ, BKZ, RATZ, WATZ, HZ, MRHZ, WUZ, KUTZ, TLZ, ALRZ, RPZ, PRZ, RAGZ, URZ, TOZ, MWZ, TKGZ, CNGZ, TWGZ, RUGZ, MKAZ, AWAZ, ODAZ, ETAZ, WIAZ, MBAZ, OUZ, CZZ. Each row contains station name, frequency, mode, and other technical details.

IDC 21 16:38:39.5-4.4, 30.95N-140.50E, h0km, mb3.5/2, mb1 3.6/3, mb1mx3.3/32, mbtmp3.3/3, ML2.1/1, Error ellipse: s-maj=266.0km s-min=33.9km az=81.0, Southeast of Honshu

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

JMA 21 16:39:57.5, 38.26N-140.64E, h12km, 1km, M0.7, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JOU Okura, JMU Marumori, JYM Kaneyama, MAT Matsushiro.

IDC 21 16:46:28.1-2.1, 1.14N-126.26E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/34, mbtmp3.5/3, Error ellipse: s-maj=171.0km s-min=26.5km az=65.0, Northern Molucca Sea

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

BUI 21 16:46:30.7-0.0, 23.72S-179.43W, h542km, mb4.8/32, mB5.0/17

MOS 21 16:46:30.4-3.0, 23.15S-179.86E, h475km, mb4.7/20, Error ellipse: s-maj=10.6km s-min=9.4km az=38.4

IDC 21 16:46:31.2-1.6, 23.71S-179.93W, h512km, 16km, mb4.1/21, mb1 4.2/22, mb1mx4.1/32, mbtmp4.9/22, Error ellipse: s-maj=14.8km s-min=11.5km az=104.0

ISCJB 21 16:46:33.0-0.7, 23.75S-179.89E, 0.0/3, h549km, 9km, mb4.6/143, Error ellipse: s-maj=6.6km s-min=4.0km az=172.9

NEIC 21 16:46:33.1-0.4, 23.77S-179.96W, h541km, 5km, mb4.7/106, Error ellipse: s-maj=5.2km s-min=3.7km az=166.0

ISC 21 16:46:32.1-0.5, 23.77S-179.89W, 0.0/5, h532km, 5km, h533km: p-P, N483, r136/514, mb4.6/142, 41C-16D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RAO Raoul Island, NIUE Niue, MARNC Mare, PINNC Pines Island, DZM Mont Dzum, OUZ Omahuta, URZ Ureweira, URZ Ureweira, URZ Ureweira, HIZ Hauri.

Main table with columns: BKZ, BFZ, CAWN, MTW, WEL, SNZO, QRZ, NNZ, CMWZ, BSWZ, RAR, RAR, THZ, THZ, KHZ, KHZ, LTZ, LTZ, INZ, OXZ, OXZ, CRUZ, CRUZ, WQZ, WQZ, MQZ, RPZ, RPZ, RPZ, ARMA, ARMA, EIDS, EIDS, CTA, CTA, CTAO, CTAO, RABL, RABL, PMG, PMG, PMG, STKA, STKA, STKA, STKA, COEN, COEN, MANU, MANU, MMPI, MMPI, AS31, AS31, ASAR, ASAR, ASAR, ASAR, WB2, WRAB, WRAB, WRAB, WR1, WR1, WRA, WRA, WRA, WRA, GENI, GENI, MTN, MTN, SRPI, SRPI, BAKI, BAKI, HPAH, HPAH, GUMO, GUMO, SWI, SWI, SOEI, SOEI, NLAI, NLAI, NWA0, NWA0, LBMI, LBMI, TNTI, TNTI, TNTI, TNTI, MORW, MORW, MMRI, MMRI, MMRI, MMRI, EDFI, EDFI, WDSI, WDSI, BKSI, BKSI, BNSI, BNSI, PLAI, PLAI, SPSI, SPSI, TTSI, TTSI, QSPA, QSPA, PBKI, PBKI, SBMU, SBMU, JOW, JOW, LEM, LEM. Each row contains station name, frequency, mode, and other technical details.

Table with columns: MJAR, MAJO, MAJO, MAJO, MAT, MJB9, KSM, JNU, JNU, NACB, NACB, TPUB, TPUB, SSSL, SSSL, YHNB, YHNB, KASI, KASI, MDSI, MDSI, ASAJ, ASAJ, SKR, SKR, FJN, FJN, MAW, MAW, YSS, YSS, YSS, YSS, MYKOM, MYKOM, KSR5, KSR5, KS15, KS15, KSAR, KSAR, PEAOB, PEAOB, PEAOB, PEAOB, PETK, PETK, PE1A, PE1A, USRK, USRK, SCZ2, SCZ2, SC2I, SC2I, TYV, TYV, PKM, PKM, SMMC, SMMC, IPM, IPM, 109C, 109C, ARVC, ARVC, KULM, KULM, MURC, MURC, VES, VES, BFSC, BFSC, MONP, MONP, EDW2, EDW2, IKP, IKP, ISA, ISA, ISA, ISA, O02D, O02D, WHN, WHN, CMB, CMB, CMB, CMB, PFO, PFO, SWSC, SWSC, SYO, SYO, AFDM, AFDM, LRMC, LRMC, N02D, N02D, O03E, O03E, CWC, CWC, BELC, BELC, M02C, M02C, MDPB, MDPB, OMMB, OMMB, L02E, L02E, GSI, GSI, GSI, GSI, MPMC, MPMC, BC3, BC3, GSC, GSC, GSC, GSC, GSC, GSC, HEC, HEC, TIN, TIN, GLA, GLA, GLA, GLA, WAKR, WAKR, PNTR, PNTR, BEKR, BEKR. Each row contains station name, frequency, mode, and other technical details.

Table with columns: CTA, Charters Tower, 33.99 280 P, P, 17 55 31.9 +0.1, PLWZ Palliser, 0.77 85 P, Pn, 18 05 13.6 -0.6, comp=Z,4um,0.6s, IRAZ Razehang, 2.37 160 ePn, Pn, 18 06 55.4 +1.6

Table with columns: PLWZ Palliser, 0.77 85 P, Pn, 18 05 13.6 -0.6, MSWZ Moikau Station, 0.80 74 P, Pn, 18 05 27.1 +1.5, CAW Cannon Point, 0.82 50 P, Pn, 18 05 13.8 +0.1

Table with columns: IRAZ Razehang, 2.37 160 ePn, Pn, 18 06 55.4 +1.6, IMHD Mahdasht, 2.40 144 ePn, Pn, 18 06 56.7 -1.3, HSRG Sareghieh, 2.44 192 ePn, Pn, 18 06 55.7 +0.8

Table with columns: WEL 21 17:59:58.3, 42'S, 208°17'33"E, h16°1, h74km, 133km, M3.5/4, M3.8/4, MLV3.5/4, Error ellipse: s-maj=0.3km, s-min=0.2km, az=178.0, South Island

Table with columns: AZER 21 18:06:13.0, 0.7, 37°70'N, 49°31'E, h11km, 1km, ml3.2/22, Error ellipse: s-maj=7.4km, s-min=6.0km, az=266.0, TEH 21 18:06:13.7, 37°63'N, 48°56'E, h8km, ML3.4

Table with columns: Code Station Name, Δ° AZ', Phase ID, Time Res, h m s ISC, CMWZ Cape Campbell, 0.11 187 P, Pn, 18 05 01.0 +0.1, BSWZ Blackbirch Sta, 0.28 254 P, Pn, 18 05 04.2 -0.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like West Tongariro, Taurewa, Kaweka Forest, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Canterbury Bus, Incbonnie, MoQueen's Vall, etc.

MEX 21 20:01:27.30.4, 14.32N-93.20W, h6km, 16km, MD3.9, Near coast of Chiapas. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

Bul 21 20:08:41.6.0.4, 43.48N-109.57E, h6km, ML3.7/5, Mongolia. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC.

IDC 21 18:58:41.5.9.0, 41.28S-174.28E, h0km, mb3.4/2, mb1.3/7.2, mb1mx3.5/14, mbtmp3.4/2, Error ellipse: s-maj=539.8km s-min=55.4km az=33.0

ISCJBJ 21 18:58:43.4.0.3, 41.70S:0.04:174.42E:0.04, h10km, mb3.4/2, Error ellipse: s-maj=6.3km s-min=3.0km az=141.3

WEL 21 18:58:44.1, 41.65S:0.9:17.4E, h24km, 1km, M3.4/32, ML3.6/30, MLv3.4/32, Error ellipse: s-maj=0.0km s-min=0.0km az=122.3

ISC 21 18:58:43.4.0.8, 41.57S:0.03:174.33E:0.03, h10km, n68, -0.98/65, Cook Strait

IDC 21 19:23:52.5.1.5, 13.65N:120.64E, h0km, mb3.6/4, mb1.3/9.4, mb1mx3.4/25, mbtmp3.6/4, Error ellipse: s-maj=63.2km s-min=23.9km az=58.0

MAN 21 19:23:53.4, 13.59N:120.03E, h1km, MS2.6, MAN 21 19:23:55.2, 1.1, 13.85N:0.07:120.34E:0.05, h11km, 7km, n11, -1.58/16, mb3.4/4, 1C-1D, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Lubang, Tagaytay City, BOAC, Guinayanang, etc.

WEL 21 20:15:49.7, 42.5S:1.174E, h5km, 2km, M3.7/54, ML3.8/22, MLv3.7/54, Error ellipse: s-maj=0.0km s-min=0.0km az=107.9, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Baring Head, Blackbirch Sta, etc.

WEL 21 19:29:23.3, 42.5S:1.174E, h5km, 2km, M3.5/31, ML3.7/30, MLv3.5/31, Error ellipse: s-maj=0.0km s-min=0.0km az=36.8, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

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

WEL 21 19:22:16.6, 42.5S:1.174E, h6km, 2km, M3.3/24, ML3.5/24, MLv3.3/24, Error ellipse: s-maj=0.0km s-min=0.0km az=137.3, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

MEX 21 19:55:24.7.0.5, 14.30N-93.11W, h91km, 16km, MD3.9, Near coast of Chiapas

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

MAN 21 19:55:49.4, 13.52N:120.07E, h1km, mb4.1, ML2.9, MS2.6, Mindoro

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Lubang, Tagaytay City, San Jose, etc.

MEX 21 19:59:27.1.0.4, 14.41N-93.20W, h76km, 24km, MD3.7, Near coast of Chiapas

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

ISCJBJ 21 20:04.3.0.5, 23.93S:0.03:67.77W:0.07, h139km, 7km, mb4.0/9, Error ellipse: s-maj=9.8km s-min=5.3km az=0.7

IDC 21 20:05.5.1.4, 23.95S:67.54W, h130km, 12km, mb4.1/6, mb1.3/9.1, mb1mx3.8/26, mbtmp4.3/11, MS2.8/1, Ms1 2.8/1, ms1mx2.3/17, Error ellipse: s-maj=17.7km s-min=15.8km az=52.0

NEIC 21 20:06.2.2.9, 23.89S:67.87W, h148km, 6km, mb4.3/6, ANEIC 21 20:06.2.2.9, Error ellipse: s-maj=8.2km s-min=6.5km az=41.0

GUC 21 20:07.9.0.5, 23.80S:68.21W, h164km, 7km, ML4.3, ISC 21 20:04.3.0.7, 23.94S:0.04:67.72W:0.06, h128km, 8km, n54, s166/74, mb4.5/9, 12C, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Limon Verde, IROC Station P, Mina Guanaco, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB09 IPOC Station P, PB10 IPOC Station P, PB03 IPOC Station P, etc.

JMA 21 20:29:10.8:0.3,33.42N:137.78E,h347km,3km,M3.0
ISCJB 21 20:29:11.3:0.4,33.40N:137.78E:0.05,
h338km,3km,mb3.1/10, Error ellipse: s-maj=8.7km
s-min=6.6km az=155.5

ISC 21 20:29:11.8:0.6,33.37N:137.76E,h329km,6km,mb2.9/10,
mb1.3/11.5,mb1mx3.0/4,mbtmp3.7/16, Error ellipse:
s-maj=13.8km s-min=12.3km az=36.0

ISC 21 20:29:12.3:0.7,33.42N:137.77E:0.05,h335km,6km,
n41,c1530/56,mb3.1/10,Near south coast of eastern
Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TK01 Tokai 1, TK02 Tokai 2, TT03 TONANKAI O.B.S., etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, ASAJ Ussuriysk Arr, USRK Usurisk Array, etc.

ISCJB 21 20:36:55.0:0.8,6.63S:129.07:129.89E:0.09,h146km,
mb3.7/2, Error ellipse: s-maj=13.8km s-min=8.7km
az=24.9

ISC 21 20:36:58.8:2.1,6.66S:129.91E,h159km,24km,mb3.5/2,
mb1.3/6.6,mb1mx3.2/30,mbtmp4.1/6, Error ellipse:
s-maj=32.8km s-min=18.6km az=82.0

ISC 21 20:36:57.4:0.9,6.63S:129.90E:0.1,h146km,m6,
c194/8,Banda Sea

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

ISCJB 21 21:09:22.0:0.5,17.38N:102.05:94.69W:0.03,h136km,6km,
mb4.6/1, Error ellipse: s-maj=7.9km s-min=5.1km az=11.7

NEIC 21 21:09:24.6:0.0,17.29N:94.72W,h138km,mb4.3/6
MD3.8(MEX),After MEX

MEX 21 21:09:25.2:0.7,17.30N:94.69W,h133km,6km,MD3.8
ISC 21 21:09:22.3:0.8,17.34N:102.05:94.71W:0.04,h142km,7km,
n24,c1932/41,Chiapas

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

ISCJB 21 21:24:45.0:0.8,37.05N:103.20:94E:0.02,h13km,6km,
mb3.5/7, Error ellipse: s-maj=4.5km s-min=2.8km az=22.1

ISC 21 21:24:45.0:1.2,37.32N:103.21:99E,h0km,mb3.5/7,
mb1.3/5/11,mb1mx3.4/46,mbtmp3.4/11,ML3.4/4,MS2.6/1,
Ms1.2/5/1,ms1mx1.9/34, Error ellipse: s-maj=2.8km
s-min=2.0km az=97.0

ATH 21 21:24:46.5:37.11N:21.14E,h10km,2km,ML3.5/15, Error
ellipse: s-maj=2.7km s-min=0.9km az=42.0

HUE 21 21:24:47.9:37.12N:21.18E,h0km,1km,ML3.4/5, Error
ellipse: s-maj=1.6km s-min=0.6km az=220.0

BE0 21 21:24:49.7:0.8,37.29N:102.93E,h10km,ML3.3/5
ISC 21 21:24:47.0:1.0,37.15N:102.21:13E:0.03,h16km,7km,
n151,c1545/200,mb3.6/7,4C,Southern Greece

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VTN Viteinka, VTN Volimes, Zakyn, VLMS VLMS, etc.

ISCJB 21 21:24:45.0:0.8,37.05N:103.20:94E:0.02,h13km,6km,
mb3.5/7, Error ellipse: s-maj=4.5km s-min=2.8km az=22.1

ISC 21 21:24:45.0:1.2,37.32N:103.21:99E,h0km,mb3.5/7,
mb1.3/5/11,mb1mx3.4/46,mbtmp3.4/11,ML3.4/4,MS2.6/1,
Ms1.2/5/1,ms1mx1.9/34, Error ellipse: s-maj=2.8km
s-min=2.0km az=97.0

ATH 21 21:24:46.5:37.11N:21.14E,h10km,2km,ML3.5/15, Error
ellipse: s-maj=2.7km s-min=0.9km az=42.0

HUE 21 21:24:47.9:37.12N:21.18E,h0km,1km,ML3.4/5, Error
ellipse: s-maj=1.6km s-min=0.6km az=220.0

BE0 21 21:24:49.7:0.8,37.29N:102.93E,h10km,ML3.3/5
ISC 21 21:24:47.0:1.0,37.15N:102.21:13E:0.03,h16km,7km,
n151,c1545/200,mb3.6/7,4C,Southern Greece

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OHR, TTP, KNT, etc.

WEL 21 21:41:05.1, 42°S, 2:17:42E, h5km, 2km, M3.1/37, mB6.0/1, ML3.1/19, ML3.1/37, Mw(m)B6.1/1, Error ellipse: s-maj=0.0km s-min=0.0km az=145.1, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like CMWZ, BSWZ, TUWZ, etc.

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RPZ, HAZ, WMGZ, NEIC, DDA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FEO, TSMN, MANR, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SUW Suwalki, MOS Moscow, IZAR Zarasai, etc.

Table with columns: CD2, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like HHC Hu-hao-te, YAK Yakutsk, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like VHO Vista Hermosa, TLIG Tlapa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CMWZ Cape Campbell, BSW Blackbirch Sta, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like WEL 21:52:28.1, 42°S, 21°74'E, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CMWZ Cape Campbell, BSW Blackbirch Sta, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like IDC 21:54:56.0, 2.2, 40.26N, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like ISCB 21:22:03.57, 7.0, 3.60, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SNAAL Palmer Station, EFI East Falkland, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CPUP Villa Florida, CPUP Villa Florida, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like LVC Limon Verde, PB04 IPOC Station, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like LPAZ La Paz, LPAZ La Paz, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like PSUT Pine Spring, JOBA Circle Bar, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like CMWZ Cape Campbell, TWUZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like MRZ Mangatainoka R, TIWZ Tintock, CPWZ Castlepoint, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like YOJ Yonaguni jima, YOY Yonaguni jima, YOB Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like KBTR Bering, BKI Bering, MKAR Makanchi Array, etc.

ISK 21 22:22:51.9, 38.65N-43.64E, h5km, ML2.4/7
DDA 21 22:22:52.7, 38.64N-43.64E, h7km, ML2.5
ISCJB 21 22:22:53.7, 0.6, 38.66N-0.04, 43.65E-0.05, h13km, Error ellipse: s-maj=5.8km s-min=4.8km az=30.9

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like YANB Van, TVAN Van, VMUR Van-Muradiye, etc.

ISCJB 21 22:08:58.9, 0.6, 24.85N-0.03, 122.09E-0.02, h118km, 4km, Error ellipse: s-maj=5.1km s-min=3.3km az=166.8

JMA 21 22:08:58.6, 0.2, 24.78N-122.07E, h124km, 2km, M2.0
TAP 21 22:08:59.3, 24.90N-122.02E, h120km, ML3.0, C
ISC 21 22:08:58.4, 1.6, 24.89N-0.05, 122.08E-0.03, h123km, 8km, n59, r0568/107.8C, Taiwan region

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like NTC Toucheng, ILA Ilan, EOS1 Eosi, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like WHYI Xinyi Township, YULB Yu-li, YULB Yu-li, etc.

WEL 21 22:31:57.0, 42.5, 174E, h16km, 3km, M3.9/53, ML4.1/25, MLv3.9/53, Error ellipse: s-maj=0.0km az=122.7, Cook Strait

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like CMWZ Cape Campbell, TCW Tory Channel, etc.

KRSC 21 22:22:45.9, 1.1, 53.18N-158.97E, h143km, 8km, ML3.7
ISCJB 21 22:22:47.0, 0.6, 53.24N-0.05, 158.9E-0.1, h139km, 4km, mb3.5/3, Error ellipse: s-maj=11.5km s-min=5.3km az=33.0

IDC 21 22:22:47.5, 2.6, 53.05N-158.16E, h148km, 11km, mb3.3/3, mb1.3/7.3, mb1mx3.0/27, mbtmp3.7/3, MS3.6/1, Ms1.3/6/1, ms1mx2.6/12, Error ellipse: s-maj=167.1km s-min=25.3km az=2.0

ISC 21 22:22:47.6, 0.9, 53.27N-0.05, 158.79E-0.06, h141km, 6km, n217, r1920/45, mb3.6/3, Near east coast of Kamchatka

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like SMAR Somma, AVH Avacha, etc.

Code Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like SMAR Somma, AVH Avacha, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like SMAR Somma, AVH Avacha, etc.

Code Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like SMAR Somma, AVH Avacha, etc.

Table with columns: Code, Station Name, Az, El, P, H, m, S, Res. Includes stations like Code Station Name, Az, El, P, H, m, S, Res. Includes stations like SMAR Somma, AVH Avacha, etc.

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, Time Res, Res ISC. Includes stations like MCJ, STH, PCJ, etc.

RSNC 21 22:36:36.2, 1.3, 5.58N-73.86W, h130km, 4km, ML3.2,

Main table listing station data for RSNC 21 22:36:36.2, 1.3, 5.58N-73.86W, h130km, 4km, ML3.2. Columns include Code, Station Name, Delta A, AZ, Phase ID, Time Res, Res ISC.

DDA 21 22:40:44.7, 37.34N, 37.96E, h7km, 2km, ML2.9

ISK 21 22:40:44.5, 37.21N, 37.98E, h6km, ML 1.73

ISC 21 22:40:45.2, 1.3, 37.26N-108.37E, 0.103, h11km, 12km,

Table listing station data for DDA, ISK, and ISC stations. Columns include Code, Station Name, Delta A, AZ, Phase ID, Time Res, Res ISC.

ISC 21 22:47:21.8, 0.7, 41.77S, 174.32E, h0km, mb4.5/9,

mb1 4.6/11, mb1mx4.4/26, mbtmp4.5/11, ML4, 1/2, MS4.3/9,

MS1 4.3/9, mb1mx4.1/22, Error ellipse: s-maj=22.6km

s-min=19.1km az=60.0

ISCJB 21 22:47:24.6, 0.3, 41.75S, 174.34E, 0.103, h23km, 2km,

mb4.9/30, MS4.3/13, Error ellipse: s-maj=4.4km

s-min=2.0km az=42.3

WEL 21 22:47:24.6, 42.5, 17.4E, h16km, 2km, MS.0/14, ML5.3/13, MLv5.0/14, Error ellipse: s-maj=0.0km s-min=0.0km az=137.5

NEIC 21 22:47:25.0, 0.4, 41.60S, 174.26E, h16km, mb5.0/26, ML5.0(WEL), After WEL, GCMT 21 22:47:26.0, 0.4, 41.84S, 0.02, 174.32E, 0.02, h28km, 1km, MW5.1/67, Moment Tensor Solution, s28,c32, s67,c86;

ISC 21 22:47:25.0, 0.8, 41.69S, 0.02, 174.31E, 0.02, h19km, 3km, n247, s1561/254, mb4.9/30, MS4.3/13, C, Cook Strait

Main table listing station data for WEL, NEIC, GCMT, and ISC stations. Columns include Code, Station Name, Delta A, AZ, Phase ID, Time Res, Res ISC.

Main table listing station data for LBZ, TOZ, MARZ, MWZ, FKZG, ODZ, etc. Columns include Code, Station Name, Delta A, AZ, Phase ID, Time Res, Res ISC.

WEL 21 23:01:34.2, 42°S, 174°E, h5km, 1km, M3.2/18, ML3.6/19, MLV3.2/18, Error ellipse: s-maj=0.0km s-min=0.0km az=144.7, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists various stations like Cape Campbell, Tuamaringa, Blackbirch Sta, etc.

NIED 21 23:02:00, 42°S, 146°E, h20km, Mw3.8 Best double couple: M4.94000x1014 NP1.206.00000, 838.00000, 7.101.00000, NP2.012.00000, 853.00000, 7.81.00000

ISC 21 23:02:23.0, 1.6, 42°S, 146°E, h0km, mb4.0/10, mb1.4/0.13, mb1mx3.7/33, mbtmp3.9/13, ML3.3/13, MS2.6/11, Ms1.2/6.1, ms1mx2.1/37, Error ellipse: s-maj=39.3km s-min=18.7km az=167.0

ISCJB 21 23:02:23.1, 1.0, 42°S, 146°E, h19km, 7km, mb4.9/44, MS3.4/1, Error ellipse: s-maj=5.7km s-min=4.8km az=6.8

MOS 21 23:02:25.7, 1.1, 42°S, 146°E, h35km, mb4.9/12, Error ellipse: s-maj=12.3km s-min=7.1km az=93.6

JMA 21 23:02:26.3, 0.2, 42°S, 146°E, h31km, 2km, M3.8 SKHL 21 23:02:26.9, 0.5, 42°S, 146°E, h36km, 2km, mb4.0/4

NEIC 21 23:02:28.0, 1.8, 42°S, 146°E, h43km, 7km, mb4.8/36, Error ellipse: s-maj=11.9km s-min=10.7km az=140.0

ISC 21 23:02:25.1, 2.6, 42°S, 104°E, h17km, 16km, h115, e1562/123, mb4.8/44, 1C-4D, Off southeast coast of Hokkaido

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Nemuro 2, Kishirohama, JAK, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AKASO, BUR08, CLL, etc.

IDC 21 23:21:33.8, 7.0, 19°S, 179°01'W, h0km, mb4.3/2, mb1.4/6.2, mb1mx3.7/28, mbtmp3.4/2, Error ellipse: s-maj=345.1km s-min=47.1km az=148.0

ISCJB 21 23:22:33.0, 0.8, 20°S, 0.2:179.9E:0.1, h550km, mb4.7/8, Error ellipse: s-maj=22.7km s-min=13.1km az=156.8

NEIC 21 23:22:33.8, 1.1, 20°S, 179.84E, h537km, 15km, mb4.5/8, Error ellipse: s-maj=32.3km s-min=9.9km az=121.0

ISC 21 23:22:33.8, 0.8, 20°S, 0.2:179.9E:0.1, h550km, n16, e124/16, mb4.5/8, South of Fiji Islands

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

IDC 21 23:23:49.2, 9.2, 8°S, 112°06'E, h0km, mb3.8/4, mb1.3/9.4, mb1mx3.5/33, mbtmp3.8/4, Error ellipse: s-maj=162.4km s-min=24.1km az=49.0

ISCJB 21 23:24:06.3, 0.6, 8°S, 0.1:112.80E:0.06, h150km, mb3.6/4, Error ellipse: s-maj=19.8km s-min=7.3km az=13.4

DJA 21 23:24:07.7, 0.7, 9°S, 9°11'E, h127km, 6km, M3.5/7, MLV3.5/7

ISC 21 23:24:07.1, 1.1, 8°S, 0.1:112.79E:0.06, h150km, n12, e172/15, mb3.7/4, Jawa

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

NEIC 21 23:35:52.0, 0.4, 1°S, 174°23'E, h14km, ML4.7(WEL), After WEL

WEL 21 23:35:52.0, 42°S, 174°E, h14km, 2km, M4.7/55, mb5.2/1, ML4.8/5, MLV4.7/55, MW(B)4.5/1, Error ellipse: s-maj=0.0km s-min=0.0km az=124.0, Cook Strait

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

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Origin, Time, Residual. Includes stations like DVHZ, ANWZ, LREZ, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Origin, Time, Residual. Includes stations like CD2, XAN, XAN, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Origin, Time, Residual. Includes stations like SSE, SSS, SSS, etc.

ISC/JCB 21 23:45:54.9-0.1, 34.48N, 104.20E, 0.01, h8km, mb5.9/400, MS6.1/729, Error ellipse: s-maj=1.7km s-min=1.4km az=38.2

MOKO MOKOCHONG 11.71 228 eP Pn 23 48 42.5 -1.3 LSA Lhasa 12.10 250 eP Pn 23 48 49.8 +0.3

UTTA Uttarakhand 17.02 192 P Pn 23 49 54.6 -0.1 PANO Nakhon Phanom 17.29 179 P Pn 23 49 58.3 +0.2

21d 23h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like KS15, KSRS, SRAK, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MDOK, TNSN, SMLA, etc.

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

BLSS	eS	S	00 05 15.4	+0.1
BLSS	eSKSacs	ScS	00 06 29.9	+0.1
BLSS	IVMs_BB	IVMs_BB	00 28 56.4	
KALN	comp-Z,8µm,10.5s			
AMT	Katnik	iP	64.71 310	P
Artemida-Makis		P	23 56 35.3	+0.3
TPE	64.71 299	P	23 56 33.1	-2.0
SUE	64.75 303	P	23 56 34.2	-1.1
SUE	64.76 328	iP	23 56 34.8	-0.2
SUE	IVmB_BB		23 56 36.6	
SUE	comp-Z,3µm,4.5s			
SUE	eS	S	00 05 16.1	+0.3
SUE	eSKSacs	ScS	00 06 30.4	+0.4
SUE	IVMs_BB	IVMs_BB	00 26 15.2	
BER	comp-Z,8µm,12.0s			
BER	Bergen	iP	64.80 327	P
BER	IVmB_BB		23 56 35.2	0.0
BER	comp-Z,3µm,4.5s		23 56 36.8	
BER	ePP	PP	23 58 58.4	+1.1
BER	eS	S	00 05 17.2	+0.9
BER	IVMs_BB	IVMs_BB	00 26 23.7	
BLY	comp-Z,14µm,12.6s			
BLY	Banja Luka	PFAKE	64.81 308	LR
BLY	comp-Z,20µm,20.0s		23 56 50.0	+1.4
BLY	Banja Luka	iP	64.81 308	P
BLY	Banja Luka	iP	64.81 308	P
SNART	SNartemo	iP	64.81 325	iP
ASK	Askoy	eP	64.82 327	eP
ASK	eS	S	00 05 18.5	+1.9
ASK	eS	S	00 08 50.5	
ARSA	Arzberg	iP	64.84 311	iP
ARSA	comp-Z,32nm,1.4s,SNR=65	iS	00 23 35.9	+0.1
IGT	comp-Z,5.9nm,1.4s			
IGT	Igoumitisa	eP	64.85 302	eP
IGT	Igoumitisa	eP	64.85 302	eP
TREB	Trebjinja	iP	64.88 306	iP
HCY	Herceg Novi	iP	64.89 305	iP
HCY	Herceg Novi	iP	64.89 305	iP
FURI	Furi	eP	64.91 263	eP
FURI	comp-Z,201nm,1.4s			
LKD2	comp-Z,5µm,21.0s			
SRN	Lefkada island	P	64.93 301	P
PYL	Pylos	eP	64.96 299	eP
PYL	Pylos	eP	64.96 299	eP
EVGI	Lefkada island	P	65.00 301	P
SVW2	Sparrevohn	PFAKE	65.03 32	LR
SVW2	comp-Z,16µm,18.0s		23 56 50.0	+1.3
DBRK	Dubrovnik	iP	65.03 306	iP
PTJ	Puntijarka	P	65.11 310	P
FSK	Fiskardo	P	65.14 301	P
KEK	Kerkira	eP	65.14 302	eP
KEK	Kerkira	eP	65.14 302	eP
MLY	Manley	PFAKE	65.17 27	LR
MLY	comp-Z,16µm,20.0s		23 56 50.0	+1.2
SDPT	Sand Point	eP	65.19 39	eP
SDPT	comp-Z,125nm,1.1s		23 56 36.0	-1.9
VLS	Valsamata	P	65.24 300	P
KHC	Kasperske Hory	PFAKE	65.25 314	LR
KHC	comp-Z,7µm,18.0s		23 56 38.7	+0.3
KHC	Kasperske Hory	eS	00 25 52.0	
KHC	Kasperske Hory	MLR	00 05 24.4	+2.1
KHC	comp-Z,19µm,14.8s		23 56 38.7	+0.3
KHC	Kasperske Hory	eS	00 25 52.0	
KHC	Kasperske Hory	AMS	00 05 24.4	+2.1
STON	Ston	iP	65.25 306	iP
STON	Ston	iP	65.25 306	iP
GECC	GERESS Array S	PFAKE	65.29 313	LR
GERES	comp-Z,20µm,18.0s		23 56 39.1	+0.3
GERES	comp-Z,7.2nm,1.0s,baz=70,slo=5.8,SNR=113		00 05 23.5	+0.5
GERES	comp-Z,0.3nm,0.5s,baz=59,slo=4.7,SNR=2.6		00 26 23.6	
GERES	comp-Z,6.0nm,1.1s,baz=236,slo=1.4,SNR=12		00 26 16.7	
GERES	comp-Z,17µm,18.8s,baz=78,slo=37		23 56 39.2	+0.1
PERS	Pernice	eS	65.34 311	eS
PERS	Pernice	eS	65.34 311	eS
KMY	Karmoy	IVmB_BB	65.35 326	eP
KMY	comp-Z,2µm,3.8s		23 56 39.9	+0.7
MOA	Molin	iS	65.36 312	iS
MOA	comp-Z,211nm,1.4s,SNR=108		00 05 21.9	-1.8
SOKA	Soboth	iP	65.38 311	iP
SOKA	comp-Z,209nm,1.3s,SNR=152		23 56 39.5	+0.1
CAST	Castle Rocks	PFAKE	65.42 29	LR
CAST	comp-Z,16nm,2.3s		23 56 50.0	+1.1
NKC	Novy Kostel	iP	65.45 315	iP
NKC	Novy Kostel	eS	00 25 40.0	+0.3
NKC	Novy Kostel	MLR	00 05 26.9	+2.1
NKC	Novy Kostel	AMS	00 25 40.0	+0.3
NKC	Novy Kostel	AMS	00 05 26.9	+2.1
CRES	Cresnjev	iP	65.47 310	iP
MAKA	Makarska	iP	65.53 307	iP
BPAW	Bear Paw Mtn.	PFAKE	65.53 28	LR
BPAW	comp-Z,35µm,18.0s		23 56 50.0	+1.0
OZLJ	Ozalj	iP	65.55 310	iP
PPLA	Porkevpile	PFAKE	65.53 29	LR
PPLA	comp-Z,14µm,21.0s		23 56 40.4	0.0
MIDW	Midway	eP	65.66 72	eP
MIDW	comp-Z,64nm,0.7s		23 56 42.0	+0.6
BOJS	Bojanci	iP	65.74 310	iP
OBKA	Obir	iP	65.75 311	iP
OBKA	comp-Z,94nm,1.3s,SNR=35		23 56 42.0	+0.3
OBKA	comp-Z,9.9nm,1.1s		00 05 27.3	-1.4
KTH	Kantishna Hill	PFAKE	65.82 28	LR
KTH	comp-Z,37µm,18.0s		23 56 50.0	+8.1
UDBI	Udbina	iP	65.82 308	iP
CHGN	Chignik	PFAKE	65.83 37	LR
CHGN	comp-Z,10µm,20.0s		23 56 42.2	0.0
LJU	Ljubljana	iP	65.97 310	iP
LJU	Ljubljana	eS	00 05 43.1	0.0
LJU	Ljubljana	eSKSacs	00 05 39.8	-0.1
LJU	Ljubljana	iP	65.97 310	iP
BWN	Browne	PFAKE	66.08 27	LR
BWN	comp-Z,19µm,18.0s		23 56 43.1	0.0
MDM	Murphy Dome	PFAKE	66.14 26	LR
MDM	comp-Z,16µm,19.0s		23 57 00.0	+1.6
MORI	Morici	iP	66.14 308	iP
CEY	Cerknica	iP	66.16 310	iP
GORS	Gorjuse	iP	66.18 311	iP
GORS	Koelnbreinsperg	iP	66.25 312	iP
KBA	comp-Z,109nm,0.8s,SNR=49		23 56 45.4	+0.2
MYKA	Terra Mystica	iP	66.27 211	iP
MYKA	comp-Z,5.9nm,1.5s,SNR=20		00 05 32.5	-2.5
MYKA	comp-Z,10nm,1.1s		23 56 44.8	-0.3
ZIRJ	Zirje	iP	66.28 308	iP
RIV	Rijeka	iP	66.30 310	iP

RIV	Rijeka	iP	66.30 310	iP
TCOL	CIGO, UAF Yank	P	66.32 26	P
COLA	baz=301,SNR=96		23 56 45.0	-0.2
COLA	College	eP	66.32 26	eP
COLA	comp-Z,513nm,1.0s		23 56 45.6	+0.6
COLA	College	LR	23 56 45.5	+0.5
COLA	comp-Z,12µm,19.0s			
COLA	College	eP	66.32 26	eP
COLA	comp-Z,513nm,1.0s		23 56 45.5	+0.5
COLA	College	MLR	23 56 45.5	+0.5
POKR	Poker Plat Res	P	66.35 26	P
POKR	baz=301,SNR=77		23 56 45.9	+0.6
FYU	Fort Yukon	PFAKE	66.35 24	LR
FYU	comp-Z,17µm,20.0s		23 57 00.0	+1.5
NVLJ	Novolja	iP	66.38 309	iP
GRAT	Grafenberg Arr	PFAKE	66.40 315	LR
GRAT	comp-Z,15µm,21.0s		23 56 45.1	-0.6
GRFO	Grafenberg	PFAKE	66.40 315	LR
GRFO	comp-Z,14µm,21.0s		23 57 00.0	+1.4
WRH	Wood River Hill	PFAKE	66.44 27	LR
WRH	comp-Z,20µm,19.0s		23 57 00.0	+1.4
CCB	Clear Creek Bu	PFAKE	66.46 27	LR
CCB	comp-Z,14µm,18.0s		23 57 00.0	+1.4
MCK	McKinley	PFAKE	66.50 28	LR
MCK	comp-Z,32µm,19.0s		23 57 00.0	+1.4
TRI	Trieste	PFAKE	66.51 308	iP
TRI	comp-Z,11µm,18.0s		23 56 46.0	-0.6
RND	Reindeer	PFAKE	66.59 310	LR
RND	comp-Z,11µm,18.0s		23 57 00.0	+1.3
RND	Reindeer	PFAKE	66.70 28	LR
RND	comp-Z,39µm,19.0s		23 57 00.0	+1.2
ILAR	Eielson Array	P	66.73 26	P
ILAR	comp-Z,114nm,1.1s,baz=283,slo=4.7,SNR=283		23 56 46.8	-0.9
ILAR	comp-Z,0.3nm,0.8s,baz=325,slo=8.8,SNR=8		00 05 38.0	-1.8
ILAR	comp-Z,5.0nm,1.1s,baz=153,slo=12.8,SNR=4.7		00 25 18.5	
ILAR	comp-Z,15µm,18.1s,baz=324,slo=38		00 28 00.1	
PRP	Porcupine Dome	PFAKE	66.82 25	LR
PRP	comp-Z,15µm,18.1s		23 57 00.0	+1.2
MATE	Matera	iP	66.88 304	iP
HDA	Harding Lake	PFAKE	66.90 27	P
HDA	comp-Z,15µm,19.0s		23 56 49.2	+0.2
HDA	Harding Lake	P	66.90 27	P
HDA	comp-Z,15µm,19.0s		23 57 00.0	+1.1
ABTA	Abfaltersbach	iP	66.92 312	iP
ABTA	comp-Z,120nm,1.5s,SNR=62		23 56 47.9	-0.8
ABTA	comp-Z,4.7nm,1.1s		23 56 48.4	-0.8
WTTA	Wattenberg	iP	67.22 312	iP
WTTA	comp-Z,280nm,1.3s,SNR=172		00 05 41.1	-1.7
WTTA	comp-Z,22nm,1.5s		23 56 51.3	0.0
WATA	Walderalm	iP	67.23 313	iP
WATA	comp-Z,161nm,1.0s,SNR=85		23 56 51.0	-1.9
CTAO	Charters Tower	eP	67.39 137	eP
CTAO	comp-Z,3µm,22.0s		23 56 53.0	+0.6
CTAO	Charters Tower	LR	67.39 137	LR
CTAO	Charters Tower	eP	67.39 137	eP
CTAO	comp-Z,298nm,1.2s		23 56 53.0	+0.6
CTAO	comp-Z,3µm,22.0s			
HOM	Homer	PFAKE	67.44 32	LR
HOM	comp-Z,11µm,19.0s		23 57 00.0	+7.8
CHIR	Chirikof Island	eP	67.44 37	eP
CHIR	comp-Z,151nm,1.1s		23 56 53.2	+0.9
DHY	Denali Highway	eP	67.44 28	eP
DHY	comp-Z,156nm,1.0s		23 56 52.0	-0.5
DHY	Denali Highway	LR	67.44 28	LR
DHY	Denali Highway	LR	67.44 28	LR
TIP	Timpanogrande	PFAKE	67.50 303	LR
TIP	comp-Z,7µm,21.0s		23 57 10.0	+1.7
TIP	Timpanogrande	PFAKE	67.50 303	P
TIP	comp-Z,7µm,21.0s		23 56 52.9	-0.2
TIP	Timpanogrande	iP	67.50 303	iP
TIP	comp-Z,7µm,21.0s		23 56 53.5	+0.4
SQTA	Sankt Quirin	iP	67.50 313	iP
SQTA	comp-Z,233nm,1.2s,SNR=129		23 56 52.8	-0.2
SQTA	comp-Z,20nm,2.2s		00 05 48.6	-1.4
MOTA	Moosalm	iP	67.51 313	iP
MOTA	comp-Z,107nm,0.9s,SNR=127		23 56 52.9	-0.2
GHO	Glory Hole Cre	PFAKE	67.51 30	LR
GHO	comp-Z,8.8nm,1.4s		00 05 49.6	-0.5
PMR	Palmer	PFAKE	67.52 30	LR
PMR	comp-Z,28µm,21.0s		23 57 10.0	+1.7
RC01	Rabbit Creek A	PFAKE	67.53 30	LR
RC01	comp-Z,20µm,18.0s		23 57 00.0	+7.3
RC01	Rabbit Creek A	LR	67.53 30	LR
RETA	Reutte	iP	67.65 313	iP
RETA	comp-Z,19µm,18.0s		23 57 10.0	+1.7
RETA	comp-Z,138nm,1.7s,SNR=55		23 56 53.9	-0.1
CNPM	China Pot	PFAKE	67.68 32	LR
CNPM	comp-Z,9.3nm,1.9s		23 56 53.9	-0.1
BRLK	Bradley Lake	PFAKE	67.72 32	LR
BRLK	comp-Z,24µm,18.0s		00 05 48.5	-3.2
SML	Sawmill	PFAKE	67.73 29	LR
SML	comp-Z,13µm,18.0s		23 57 10.0	+1.6
LRW	Lerwick	eP	67.78 329	eP
LRW	comp-Z,22µm,21.0s		23 57 10.0	+1.6
LRW	comp-Z,82nm,0.8s		23 56 53.9	-0.5
LRW	comp-Z,28µm,15.9s		23 56 57.3	
SII	Sitkinak Islan	eP	67.79 36	eP
SII	comp-Z,406nm,1.5s		23 56 53.9	-0.5
SII	comp-Z,14µm,20.0s		23 56 54.8	+0.2
WTSB	Winterswijk	eP	67.87 319	eP
WTSB	comp-Z,1µm,1.9s		23 56 54.7	-0.4
FETA	Feichten	iP	67.89 313	iP
FETA	comp-Z,224nm,1.3s,SNR=133		23 56 55.2	-0.4
FETA	comp-Z,26nm,2.6s		00 05 54.2	-0.4
KNK	Knik Glacier	PFAKE	67.89 30	LR
KNK	comp-Z,28µm,18.0s		23 57 10.0	+1.5
OHAK	Old Harbor	eP	67.89 35	eP
OHAK	comp-Z,128nm,1.0s		23 56 55.0	-0.2
OHAK	comp-Z,10µm,19.0s			
STU	Stuttgart	PFAKE	68.00 315	LR
STU	comp-Z,10µm,19.0s		23 57 10.0	+1.4
RIDG	Independent Ri	PFAKE	68.04 27	LR
RIDG	comp-Z,12µm,19.0s		23 57 10.0	+1.4
RIDG	Independent Ri	PFAKE	68.04 27	LR
RIDG	comp-Z,22µm,18.0s		23 57 10.0	+1.4
SCM	Sheep Creek Mo	PFAKE	68.12 29	LR
SCM	comp-Z,82nm,0.8s		23 57 10.0	+1.3
SCM	comp-Z,25µm,21.0s		23 57 10.0	+1.3
SEW	Seward	PFAKE	68.16 31	LR
SEW	comp-Z,25µm,21.0s		23 57 10.0	+1.3
NWAO	Narrogin (SRO)	e		

OPA	comp=E,108nm,1.0s	LR	LR		
SMIR	comp=Z,3um,22.0s				
SMIR	Smir Dam	84.18 310	P	P	23 58 28.0 -0.4
SMIR	Smir Dam	84.18 310	P	P	23 58 29.0 +0.6
TAM	Tamanrasset	84.18 294	PFAKE	LR	23 58 40.0 +11
TAM					
KIP	comp=Z,5um,22.0s	84.18 68	eP	P	23 58 28.9 +0.3
KIP	comp=Z,123nm,1.1s		LR	LR	
SFS	comp=Z,3um,20.0s	84.21 311	eP	P	23 58 29.9 +1.4
SFS	San Fernando				
SFS	comp=Z,150nm,1.2s		LR	LR	
SFS	comp=Z,8um,18.0s				
SFS	San Fernando	84.21 311	i / S	P	03 58 26.9 -1.6
SFS					23 58 58.6 +0.6
PBEJ	Beja	84.25 313	i / P	SKKSac	23 58 30.3 +1.6
PBEJ	comp=Z,99nm,1.4s				
PBEJ	Beja	84.25 313	ePP	PP	00 01 43.4 +0.8
HON	Honolulu	84.25 68	eP	PP	23 58 25.2 -3.7
HON	comp=Z,218nm,1.0s		LR	LR	
HON	comp=Z,4um,21.0s	84.25 68	eP	P	23 58 25.2 -3.7
HON	Honolulu				
HON	comp=Z,218nm,1.0s		MLR	MLR	
HON	comp=Z,4um,21.0s	84.50 314	i / P	P	23 58 30.2 +0.2
PMAFR	Mafr				
PMAFR	comp=Z,226nm,1.6s				
CHEFC	Chefchaouen	84.51 309	P	P	23 58 31.0 +0.8
CHEFC	Chefchaouen	84.51 309	P	P	23 58 30.0 -0.2
PVAQ	Vaqueiros	84.55 312	i / P	P	23 58 31.0 +0.8
PVAQ	comp=Z,111nm,1.5s				
PVAQ	Vaqueiros	84.55 312	ePP	PP	00 01 46.0 +0.9
PVAQ	comp=Z,188nm,1.5s		SKKSac	SKKSac	00 08 54.4 -0.6
PVAQ	Vaqueiros	84.55 312	eLQ	LQ	00 05 10.3
PVAQ	Vaqueiros		eLR	LR	00 30 59.3
PVAQ	comp=Z,6um,20.0s	84.55 312	PFAKE	LR	23 58 40.0 +10
PVAQ	Vaqueiros				
PVAQ	comp=Z,8um,21.0s	84.55 312	P	P	23 58 31.0 +0.8
PVAQ	Vaqueiros	84.57 314	eP	P	23 58 30.4 +0.1
LIS	Lisbon		eSKS	SKSAMS	00 08 53.7 -1.4
LIS	Lisbon		AMS	AMS	00 40 07.0
LIS	Lisbon	84.57 314	eP	P	23 58 30.4 +0.1
LIS	Lisbon		e		00 08 53.7
PNCL	Nicolau / Gran	84.59 313	i / P	P	23 58 31.1 +0.7
PNCL	comp=Z,151nm,1.5s				
PNCL	Nicolau / Gran	84.59 313	ePP	PP	00 01 45.7 +0.3
PCVE	Castro Verde	84.60 312	i / P	P	23 58 31.1 +0.6
PCVE	comp=Z,119nm,1.4s				
PCVE	Castro Verde	84.60 312	ePP	PP	00 01 45.6 +0.1
PBDV	Barranco-do-Ve	84.79 312	i / P	PP	23 58 32.1 +0.6
PBDV	comp=Z,171nm,1.6s				
PBDV	Barranco-do-Ve	84.79 312	ePP	PP	00 01 46.8 -0.2
RSA	Sarsar	84.96 309	P	P	23 58 34.0 +1.6
PTEO	Sao Teotônio	85.08 313	i / P	P	23 58 33.3 +0.4
PTEO	comp=Z,188nm,1.8s				
PTEO	Sao Teotônio	85.08 313	ePP	PP	00 01 50.5 +1.2
LCRM	LCR	85.08 308	P	P	23 58 35.1 +1.9
SICH	Sidi Chahed	85.12 308	P	P	23 58 34.0 +0.8
SICH	Sidi Chahed	85.12 308	P	P	23 58 35.0 +1.8
MORF	Marlete	85.19 313	eP	P	23 58 33.5 0.0
MORF	comp=Z,177nm,1.5s		eSKSAMS	SKSAMS	00 08 57.6 -1.6
MORF	Marlete	85.19 313	i / P	P	23 58 34.0 +0.5
MORF	comp=Z,177nm,1.5s				
MORF	Marlete	85.19 313	ePP	PP	00 01 50.8 +0.5
PFVI	Vila Bisbo	85.40 312	i / P	P	23 58 35.1 +0.6
PFVI	comp=Z,204nm,1.7s				
PFVI	Vila Bisbo	85.40 312	ePP	PP	00 01 52.4 +0.4
PFVI	Vila Bisbo	85.40 312	ePP	PP	23 58 35.1 +0.6
PFVI	comp=Z,174nm,1.5s				
PFVI	Vila Bisbo		LR	LR	
PFVI	comp=Z,6um,18.0s	85.40 312	P	P	23 58 35.7 +1.2
PFVI	Vila Bisbo		P	P	23 58 36.1 +1.1
MDT	Mideti	85.61 307	P	P	23 58 38.0 +2.0
CZD	Col de Zad	85.70 68	eP	P	23 58 36.5 +0.3
KHLH	Kahului Airpor				
KHLH	comp=Z,77nm,0.9s				
KHLH	comp=Z,3um,20.0s		LR	LR	
FCC	Fort Churchill	85.83 9	PFAKE	LR	23 58 50.0 +14
FCC					
HLK	Haleakala	85.92 68	eP	P	23 58 37.2 -0.5
HLK	comp=Z,258nm,1.4s		LR	LR	
HLK	comp=Z,3um,19.0s	85.98 27	PFAKE	LR	23 58 50.0 +13
LLLB	Lillooet				
LLLB	comp=Z,13um,20.0s	86.18 309	eP	P	23 58 38.7 +0.2
RTC	Rabat Centre				
RTC	comp=Z,364nm,1.0s		LR	LR	
RTC	Rabat Centre	86.18 309	P	P	23 58 40.1 +1.6
GOLM	Goulmima	86.37 306	P	P	23 58 41.0 +1.4
ZHG	ZHG	86.39 308	P	P	23 58 42.0 +2.4
TAU	Tasmania Unive	86.52 150	eP	P	23 58 40.5 +0.9
TAU	comp=Z,346nm,1.3s				
TAU	Tasmania Unive	86.52 150	eP	P	23 58 40.5 +0.9
TAU	comp=Z,346nm,1.3s				
KNTN	Kanton	86.63 96	eP	P	23 58 41.1 +0.2
KNTN	comp=Z,210nm,1.4s				
HPAH	Hawaii Prepara	86.75 68	PFAKE	LR	23 58 50.0 +8.4
HPAH					
HUH	Hualala	86.85 68	eP	P	23 58 43.2 +0.9
HUH	comp=Z,3um,20.0s				
HUH	comp=Z,225nm,1.4s				
KHLU	Kahalu'u	86.86 68	eP	P	23 58 42.2 +0.1
KHLU	comp=Z,104nm,1.0s		LR	LR	
KHLU	comp=Z,2um,21.0s	86.93 29	eP	P	23 58 41.9 +0.1
PGC	Sidney				
POHA	Pohakuloa	87.04 68	eP	P	23 58 44.1 +1.0
POHA	comp=Z,84nm,1.4s				
POHA	comp=Z,167nm,1.1s		LR	LR	
POHA	comp=Z,2um,19.0s				
MLOA	Mauna Loa Obs	87.13 68	eP	P	23 58 42.6 -1.3
MLOA	comp=Z,120nm,1.1s		LR	LR	
MLOA	comp=Z,3um,20.0s	87.15 68	eP	P	23 58 42.8 -1.3
MWH	Moku'aweowe				
MWH	comp=Z,109nm,1.1s				
HMH	Humu'ula Sheep	87.17 68	eP	P	23 58 45.2 +1.3
HMH	comp=Z,167nm,1.3s				
A04D	Lummi Island	87.17 29	P	P	23 58 44.1 +1.1
A04D	baz=323				
KHU	Kahuku	87.27 69	eP	P	23 58 44.8 +0.5
KHU	comp=Z,349nm,1.4s		LR	LR	
KHU	comp=Z,3um,22.0s	87.30 68	eP	P	23 58 43.8 -0.7
MLH	Mauna Loa				
MLH	comp=Z,180nm,1.1s				
MLH	comp=Z,180nm,1.1s	87.30 68	eP	P	23 58 43.8 -0.7
MLH	comp=Z,180nm,1.1s				
AIN	Ainahou	87.32 68	eP	P	23 58 43.0 -1.4
AIN	comp=Z,251nm,1.3s				
UWE	Uwekahuna	87.42 68	eP	P	23 58 44.0 -0.9
UWE	comp=Z,224nm,1.0s				
UWE	comp=Z,224nm,1.0s	87.43 68	eP	P	23 58 44.0 -0.9
SBLH	Steaming Bluff				
SBLH	comp=Z,225nm,1.1s				
HATH	Halea'uma'u T	87.44 68	eP	P	23 58 43.0 -1.9
HATH	comp=Z,460nm,1.4s				
RIM	Rim	87.45 68	eP	P	23 58 44.5 -0.5
RIM	comp=Z,200nm,0.8s				
BYL	Byron's Ledge	87.45 68	eP	P	23 58 43.5 -1.5
BYL	comp=Z,321nm,1.1s				
KKO	Keanakako'i	87.45 68	eP	P	23 58 44.5 -0.5
KKO	comp=Z,157nm,0.9s				
LSZ	Lusaka	87.47 250	eP	P	23 58 44.8 -0.2
LSZ	comp=Z,54nm,1.1s		LR	LR	
LSZ	Lusaka				
LSZ	comp=Z,6um,18.0s	87.47 250	eP	P	23 58 44.8 -0.2
LSZ					

LSZ	comp=Z,54nm,1.1s		MLR	MLR	
HLP	Hilina Pali	87.48 68	eP	P	23 58 44.2 -0.9
HLP	comp=Z,328nm,1.1s				
PUH	Puauhi	87.50 68	eP	P	23 58 46.1 +0.8
PUH	comp=Z,459nm,1.4s				
STCH	Steam Cracks	87.57 68	eP	P	23 58 45.7 +0.1
STCH	comp=Z,319nm,1.2s				
NPOC	North of Pu'u	87.57 68	eP	P	23 58 46.3 +0.7
NPOC	comp=Z,330nm,0.5s				
JCUZ	Jacuzzi	87.59 68	eP	P	23 58 44.2 -1.4
JCUZ	comp=Z,298nm,0.9s				
NLWA	Neiton Lookou	87.75 30	eP	P	23 58 47.0 +1.1
NLWA	comp=Z,70nm,1.4s		LR	LR	
NLWA	comp=Z,10um,18.0s				
B05A	Bryan	87.78 29	P	P	23 58 46.4 +0.5
B05A	baz=323,SNR=14				
SRHM	Skhour des Reh	87.82 308	P	P	23 58 48.0 +1.4
D03D	Eldon	87.96 30	P	P	23 58 48.2 +1.4
D03D	baz=323,SNR=9.7				
OUZM	OUZ	88.07 307	P	P	23 58 49.0 +1.1
OUZM	OUZ	88.07 307	P	P	23 58 50.0 +2.1
FFC	Flin Flon	88.30 15	eP	P	23 58 48.2 -0.1
FFC	comp=Z,2um,1.1s				
FFC	comp=Z,11um,21.0s		LR	LR	
FFC	Flin Flon	88.30 15	eP	MLR	23 58 48.2 -0.1
FFC					
D04E	Lakebay	88.38 30	P	P	23 58 49.7 +0.9
D04E	comp=Z,3um,20.0s				
C06D	Leavenworth	88.53 28	P	P	23 58 49.8 +0.2
C06D	baz=324				
D05A	Enumclaw	88.69 30	eP	P	23 58 51.6 +1.3
D05A	comp=Z,59nm,1.1s		LR	LR	
D05A	comp=Z,8um,20.0s				
B08A	Colville Reser	88.78 27	eP	P	23 58 51.4 +0.6
B08A	comp=Z,36nm,0.8s		LR	LR	
B08A	comp=Z,14um,20.0s				
E04D	Cinebar	88.96 30	P	P	23 58 52.4 +0.9
E04D	baz=323,SNR=19				
LON	Longmire	89.11 30	eP	P	23 58 52.7 +0.3
LON	comp=Z,32nm,1.4s		LR	LR	
LON	comp=Z,7um,20.0s				
LON	Longmire	89.11 30	eP	P	23 58 52.7 +0.3
LON	comp=Z,32nm,1.4s		MLR	MLR	
LON	comp=Z,7um,20.0s				
F04D	Neivot	89.15 31	P	P	23 58 53.1 +0.6
F04D	comp=Z,3um,20.0s				
LTY	Liberty	89.16 29	PFAKE	LR	23 59 00.0 +7.4
LTY					
TTIG	Tine Tigouga,	89.42 307	P	P	23 58 56.0 +1.8
TTIG	tezhi-Tezhi	89.43 251	i / P	SKKSac	23 58 53.5 -0.8
TTIG					00 09 24.2 -1.3
ITZ	ITZ	89.44 309	P	P	23 58 57.0 +2.8
ITZ					23 59 10.0 +1.5
EAH	EAH	89.44 309	P	P	23 58 57.0 +2.8
C09A	Chrisman Ranch	89.69 26	PFAKE	LR	23 59 10.0 +1.5
C09A					
NEW	Newport	89.69 26	PFAKE	LR	23 59 10.0 +1.5
NEW					
NEW	comp=Z,13um,22.0s				
NEW	baz=327,SNR=56				
G03D	McMinnville, O	89.73 31	P	P	23 58 56.7 +1.5
G03D	white-Salmon				
F05D	White Salmon	89.95 30	P	P	23 58 57.3 +1.1
F05D	comp=Z,3um,20.0s				
D08A	Wollman Farm,	90.01 28	PFAKE	LR	23 59 10.0 +1.3
D08A					
D08A	comp=Z,8um,20.0s				
WALA	Waterton Lakes	90.14 24	PFAKE	LR	23 59 10.0 +1.3
WALA					
WALA	comp=Z,14um,18.0s				
COR	Corvallis	90.21 32	eP	P	23 58 59.1 +1.6
COR	comp=Z,274nm,1.4s		LR	LR	
COR	comp=Z,7um,21.0s				
COR	Corvallis	90.21 32	eP	P	23 58 59.1 +1.6
COR	comp=Z,274nm,1.4s		MLR	MLR	
COR	comp=Z,7um,21.0s				
HAWA	Hanford	90.32 29	PFAKE	LR	23 59 10.0 +1.2
HAWA					
HAWA	comp=Z,7um,20.0s				
I02D	Swisshome	90.35 32	P	P	23 58 59.9 +1.8
I02D	baz=322				
E08A	Dider Farm, El	90.43 28	PFAKE	LR	23 59 10.0 +1.2
E08A					
E08A					

21d 23h

HOPS	comp=Z,76nm,1.5s	LR	LR			
YHB	comp=Z,7µm,19.0s	94.80	25	eP	P	23 59 20.0 +1.0
Ouz	comp=Z,24nm,1.0s	94.88	130	eP	P	23 59 19.3 +0.4
Ouz	comp=Z,29nm,1.3s					
Ouz	comp=Z,2µm,22.0s					
ROSA	comp=Z,114nm,1.4s	94.89	325	eP	P	23 59 18.9 -0.3
ROSA	comp=Z,3µm,19.0s					
YMR	comp=Z,22nm,1.1s	94.95	24	eP	P	23 59 20.5 +0.8
GDXM	comp=Z,86nm,1.5s	95.03	35	eP	P	23 59 21.8 +1.9
GDXM	comp=Z,8µm,18.0s					
ORV	comp=Z,4µm,19.0s	95.04	34	PFAKE	LR	23 59 30.0 +1.0
ORV	comp=Z,2µm,22.0s					
RLMT	comp=Z,13µm,20.0s	95.11	23	P	P	23 59 20.7 +0.3
RLMT	comp=Z,33µm,SNR=2.2					
YFT	comp=Z,56nm,1.4s	95.19	24	eP	P	23 59 23.3 +2.5
LKWY	comp=Z,17µm,21.0s	95.23	24	PFAKE	LR	23 59 30.0 +9.0
LKWY	comp=Z,2µm,22.0s					
MDND	comp=Z,10µm,19.0s	95.28	16	P	P	23 59 20.8 0.0
MDND	comp=Z,340					
BEKR	comp=Z,5µm,20.0s	95.30	33	PFAKE	LR	23 59 30.0 +8.7
BEKR	comp=Z,45nm,1.1s					
H17A	comp=Z,19µm,22.0s	95.32	24	eP	P	23 59 23.8 +2.4
H17A	comp=Z,32µm,SNR=10					
H17A	comp=Z,19µm,22.0s	95.32	24	P	P	23 59 23.6 +2.2
YPP	comp=Z,63nm,1.4s	95.31	35	PFAKE	LR	23 59 30.4 +1.8
MCCM	comp=Z,6µm,21.0s	95.56	25	PFAKE	LR	23 59 30.0 +7.6
MCCM	comp=Z,13µm,19.0s					
AGMN	comp=Z,12µm,21.0s	95.63	13	P	P	23 59 21.8 -0.6
AGMN	comp=Z,344					
IMW	comp=Z,12µm,18.0s	95.69	84	eP	P	23 59 23.6 +0.4
IMW	comp=Z,13µm,19.0s					
AFDM	comp=Z,13µm,19.0s	95.77	34	eP	P	23 59 24.1 +0.9
AFDM	comp=Z,13µm,1.2s					
MOOW	comp=Z,3µm,19.0s	95.83	25	PFAKE	LR	23 59 40.0 +1.6
MOOW	comp=Z,13µm,18.0s					
PAHR	comp=Z,18µm,1.3s	95.87	32	eP	P	23 59 24.8 +1.0
PAHR	comp=Z,6µm,19.0s					
CHGQ	comp=Z,1.1,SNR=10.0	95.94	359	P	P	23 59 23.4 -0.4
TPAW	comp=Z,9µm,20.0s	95.99	25	PFAKE	LR	23 59 40.0 +1.6
TPAW	comp=Z,10nm,0.8s					
LOHW	comp=Z,14µm,20.0s	96.00	25	PFAKE	LR	23 59 40.0 +1.6
LOHW	comp=Z,11µm,19.0s					
RUBR	comp=Z,8µm,22.0s	96.06	33	PFAKE	LR	23 59 40.0 +1.5
RUBR	comp=Z,15nm,1.4s					
SNOW	comp=Z,11µm,19.0s	96.08	25	eP	P	23 59 26.1 +1.2
SNOW	comp=Z,15nm,1.4s					
VCNR	comp=Z,4µm,20.0s	96.09	1	P	P	23 59 24.2 -0.2
VCNR	comp=Z,358,SNR=10					
MATQ	comp=Z,2µm,20.0s	96.20	31	PFAKE	LR	23 59 40.0 +1.5
BMN	comp=Z,4µm,20.0s	96.28	33	eP	P	23 59 26.9 +1.1
BMN	comp=Z,10nm,0.8s					
PNTR	comp=Z,5µm,18.0s	96.52	33	eP	P	23 59 27.8 +0.9
PNTR	comp=Z,27nm,1.4s					
YERR	comp=Z,6µm,20.0s	96.57	25	PFAKE	LR	23 59 40.0 +1.3
YERR	comp=Z,10µm,21.0s					
AHID	comp=Z,8µm,20.0s	96.72	11	P	P	23 59 26.8 -0.6
AHID	comp=Z,347					
EYMN	comp=Z,4µm,21.0s	96.75	29	eP	P	23 59 28.8 +0.8
EYMN	comp=Z,17nm,1.4s					
ELK	comp=Z,7µm,20.0s	96.78	34	eP	P	23 59 28.8 +0.9
ELK	comp=Z,17nm,1.4s					
CMB	comp=Z,5µm,22.0s	96.78	34	eP	P	23 59 28.8 +0.9
CMB	comp=Z,17nm,1.4s					
CMB	comp=Z,17nm,1.4s					
LSQQ	comp=Z,5µm,22.0s	96.80	1	P	P	23 59 27.2 -0.4
LSQQ	comp=Z,359					
WAKR	comp=Z,4.3nm,0.9s	96.83	33	eP	P	23 59 28.8 +0.5
WAKR	comp=Z,6µm,19.0s					
KVN	comp=Z,24nm,1.4s	96.97	32	eP	P	23 59 29.6 +0.7
KVN	comp=Z,5µm,19.0s					
KVN	comp=Z,24nm,1.4s	96.97	32	eP	P	23 59 29.6 +0.7
KVN	comp=Z,24nm,1.4s					
C40A	comp=Z,10µm,18.0s	97.08	9	PFAKE	LR	23 59 40.0 +1.1
C40A	comp=Z,10µm,18.0s	97.08	9	P	P	23 59 28.4 -0.5
BW06	comp=Z,14µm,19.0s	97.11	24	PFAKE	LR	23 59 40.0 +1.0
BW06	comp=Z,14µm,19.0s	97.11	24	P	P	23 59 29.3 -0.2
PDAR	comp=Z,1.4nm,0.8s,slow=2.6,SNR=15	97.11	24	P	P	00 03 18.6 -5.7
PDAR	comp=Z,4.0nm,1.1s,baz=337,slow=4.4,SNR=4.3					
PDAR	comp=Z,0.9nm,0.7s,baz=168,slow=4.6,SNR=6.6					
RYN	comp=Z,26nm,1.4s	97.13	32	eP	P	23 59 29.9 +0.1
RYN	comp=Z,4µm,19.0s					
SAO	comp=Z,4µm,19.0s	97.30	35	PFAKE	LR	23 59 40.0 +1.0
SAO	comp=Z,24µm,19.0s					
SPUT	comp=Z,10.0nm,1.3s	97.35	27	eP	P	23 59 30.0 -0.6

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NVAR	comp=Z,1.6nm,0.7s,baz=321,slow=3.4,SNR=12	97.39	32	P	P	23 59 31.2 +0.3
NVAR	comp=Z,8.2nm,1.1s,baz=308,slow=7.2,SNR=7.5					
NVAR	comp=Z,2.7nm,1.1s,baz=144,slow=6.3,SNR=4.8					
NVAR	comp=Z,0.1nm,0.3s,baz=164,slow=5.2,SNR=3.7					
NVAR	comp=Z,3µm,19.9s,baz=342,slow=35					
NVAR	comp=Z,10µm,20.0s	97.46	32	eP	P	23 59 31.5 +0.3
NVAR	comp=Z,1.4nm,1.4s					
BGU	comp=Z,300nm,20.0s	97.46	28	eP	P	23 59 31.0 -0.1
BGU	comp=Z,16nm,1.4s					
BOSA	comp=Z,2.1nm,1.0s,baz=46,slow=6.3,SNR=12	97.48	241	P	P	23 59 29.4 -1.7
BOSA	comp=Z,18.3s,baz=47,slow=36					
RSSD	comp=Z,120nm,1.3s	97.61	20	eP	P	23 59 32.5 +0.7
RSSD	comp=Z,9µm,20.0s	97.61	20	eP	P	23 59 32.5 +0.7
RSSD	comp=Z,120nm,1.3s					
RSSD	comp=Z,9µm,20.0s	97.61	20	P	P	23 59 32.5 +0.6
RSSD	comp=Z,5µm,22.0s	97.73	132	PFAKE	LR	23 59 40.0 +8.1
MDPB	comp=Z,2µm,20.0s	97.74	1	eP	P	23 59 31.8 -0.1
MDPB	comp=Z,20nm,1.2s					
QZ	comp=Z,11µm,18.0s	97.75	33	eP	P	23 59 33.3 +0.6
QZ	comp=Z,9.8nm,1.2s					
MLAC	comp=Z,2µm,20.0s	97.77	135	PFAKE	LR	23 59 40.0 +8.0
MLAC	comp=Z,2µm,20.0s	97.99	9	PFAKE	LR	23 59 40.0 +6.9
D41A	comp=Z,12µm,18.0s	97.99	9	P	P	23 59 32.7 -0.3
D41A	comp=Z,15nm,1.4s	98.00	252	eP	P	23 59 34.1 +0.4
D41A	comp=Z,4µm,18.0s	98.01	11	PFAKE	LR	23 59 40.0 +6.8
D41A	comp=Z,6µm,18.0s	98.01	11	P	P	23 59 32.8 -0.4
D41A	comp=Z,17nm,1.3s	98.18	28	eP	P	23 59 34.8 +0.5
D41A	comp=Z,8µm,22.0s	98.18	28	eP	P	23 59 34.8 +0.5
D41A	comp=Z,8µm,22.0s	98.18	28	P	P	23 59 34.7 +0.4
D41A	comp=Z,47nm,1.5s	98.21	22	eP	P	23 59 34.9 +0.5
D41A	comp=Z,9µm,19.0s	98.21	22	P	P	23 59 34.5 +0.1
D41A	comp=Z,355,SNR=7.0	98.44	4	P	P	23 59 35.1 0.0
D41A	comp=Z,355,SNR=5.4	98.44	358	P	P	23 59 35.3 +0.2
D41A	comp=Z,354,SNR=9.7	98.54	5	P	P	23 59 35.5 -0.1
D41A	comp=Z,355,SNR=12	98.56	33	P	P	23 59 37.2 +1.2
D41A	comp=Z,355,SNR=12	98.58	135	PFAKE	LR	23 59 50.0 +1.4
D41A	comp=Z,3µm,22.0s	98.63	6	P	P	23 59 35.4 -0.5
D41A	comp=Z,355,SNR=7.0	98.63	34	P	P	23 59 36.0 -0.1
D41A	comp=Z,355,SNR=7.0	98.63	31	PFAKE	LR	23 59 50.0 +1.4
D41A	comp=Z,5µm,19.0s	98.63	31	P	P	23 59 36.6 +0.1
D41A	comp=Z,341	98.64	17	P	P	23 59 35.8 -0.3
D41A	comp=Z,5µm,20.0s	98.70	35	PFAKE	LR	23 59 50.0 +1.3
D41A	comp=Z,5µm,20.0s	98.71	1	P	P	23 59 36.1 -0.2
D41A	comp=Z,18 Range I	98.71	3	P	P	23 59 35.9 -0.4
D41A	comp=Z,4µm,21.0s	98.72	139	PFAKE	LR	23 59 50.0 +1.4
D41A	comp=Z,50nm,1.2s	98.73	7	eP	P	23 59 36.7 +0.3
D41A	comp=Z,7µm,21.0s	98.73	7	P	P	23 59 36.0 -0.4
D41A	comp=Z,5µm,21.0s	98.76	138	PFAKE	LR	23 59 50.0 +1.4
D41A	comp=Z,5µm,21.0s	98.77	1	eP	P	23 59 36.2 -0.3
D41A	comp=Z,11µm,18.0s	98.77	1	P	P	23 59 36.5 -0.1
D41A	comp=Z,26nm,1.0s	98.85	8	eP	P	23 59 36.3 -0.6
D41A	comp=Z,7µm,20.0s	98.85	8	P	P	23 59 36.4 -0.6
D41A	comp=Z,301,SNR=8.0	98.86	2	P	P	23 59 36.6 -0.4
D41A	comp=Z,358,SNR=6.3	98.86	23	PFAKE	LR	23 59 50.0 +1.3
D41A	comp=Z,14µm,18.0s	98.86	9	PFAKE	LR	23 59 50.0 +1.3
D41A	comp=Z,10µm,18.0s	98.90	355	PFAKE	LR	23 59 50.0 +1.3
D41A	comp=Z,7µm,20.0s	98.98	130	PFAKE	LR	23 59 50.0 +1.3
D41A	comp=Z,2µm,20.0s	99.00	33	P	P	23 59 39.0 +1.1
D41A	comp=Z,2µm,20.0s	99.07	137	PFAKE	LR	23 59 50.0 +1.2
D41A	comp=Z,2µm,22.0s	99.13	5	P	P	23 59 37.6 -0.5
D41A	comp=Z,354	99.13	6	eP	P	23 59 37.9 -0.3
D41A	comp=Z,10µm,18.0s	99.13	6	P	P	23 59 37.9 -0.3
D41A	comp=Z,14µm,18.0s	99.14	33	P	P	23 59 38.6 -0.1
D41A	comp=Z,355	99.14	131	PFAKE	LR	23 59 50.0 +1.2

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BKZ	comp=Z,2µm,21.0s	99.15	12	PFAKE	LR	23 59 50.0 +1.2
SPMN	comp=Z,8µm,20.0s	99.15	12	P	P	23 59 38.4 +0.1
SPMN	comp=Z,8µm,20.0s	99.16	35	P	P	23 59 39.0 +0.3
SPMN	comp=Z,8µm,20.0s	99.16	35	P	P	23 59 37.6 -1.0
SPMN	comp=Z,355,SNR=6.5	99.18	4	P	P	23 59 38.0 -0.4
SPMN	comp=Z,2.25nm,1.5s	99.26	3	P	P	23 59 39.8 +0.8
SPMN	comp=Z,357,SNR=7.1	99.32	4	P	P	23 59 38.8 -0.2
SPMN	comp=Z,2.2nm,1.4s	99.33	9	P	P	23 59 38.7 -0.4
SPMN	comp=Z,3µm,19.0s	99.36	134	PFAKE	LR	23 59 50.0 +1.1
SPMN	comp=Z,3µm,20.0s	99.36	11	P	P	23 59 38.5 -0.8
SPMN	comp=Z,7µm,19.0s	99.41	352	PFAKE	LR	23 59 50.0 +1.1
SPMN	comp=Z,7µm,19.0s	99.42	1	P	P	23 59 38.8 -0.7
SPMN	comp=Z,8µm,22.0s	99.42	350	PFAKE	LR	23 59 50.0 +1.1
SPMN	comp=Z,8µm,22.0s	99.47	1	P	P	23 59 39.3 -0.5
SPMN	comp=Z,5µm,19.0s	99.49	33	PFAKE	LR	23 59 50.0 +1.0
SPMN	comp=Z,7µm,18.0s	99.52	10	P	P	23 59 39.7 -0.3
SPMN	comp=Z,348,SNR=7.1	99.52	10	P	P	23 59 39.7 -0.3
SPMN	comp=Z,12nm,1.2s	99.59	27	eP	P	23 59 40.5 -0.1
SPMN	comp=Z,2.1nm,1.4s	99.59	34	PFAKE	LR	23 59 50.0 +9.4
SPMN	comp=Z,7µm,21.0s	99.59	34	P	P	23 59 40.5 -0.1
SPMN	comp=Z,326	99.59	35	P	P	23 59 41.2 +0.4
SPMN	comp=Z,324	99.66	33	P	P	23 59 41.5 +0.8
SPMN	comp=Z,327	99.69	7	P	P	23 59 40.2 -0.5
SPMN	comp=Z,352	99.72	33	P	P	23 59 42.1 +0.8
SPMN	comp=Z,326	99.77	22	PFAKE	LR	

GSC	baz=350	Goldstone, Bar	100.65	33	PFAKE	LR	LR	00 00 00.0	+15
GSC	comp=Z,4um,20.0s	Goldstone, Bar	100.65	33	P	Pdfif		23 59 45.5	+0.1
G53A	baz=327	Haliburton	100.70	2	P	Pdfif		23 59 45.1	-0.1
I41A	baz=358	Arkdale	100.75	10	PFAKE	LR	LR	00 00 00.0	+15
I41A	comp=Z,7um,18.0s	Arkdale	100.75	10	P	Pdfif		23 59 45.2	-0.3
EMMW	baz=348	East Machias	100.80	354	PFAKE	LR	LR	00 00 00.0	+14
EMMW	comp=Z,8um,22.0s	East Machias	100.80	354	PFAKE	LR	LR	00 00 00.0	+14
DECC	baz=325	Green Verdugo	100.81	35	P	Pdfif		23 59 45.6	-0.4
PLVO	baz=325	Plevna	100.82	1	PFAKE	LR	LR	00 00 00.0	+14
PLVO	comp=Z,7um,20.0s	Plevna	100.82	1	P	Pdfif		23 59 44.9	-0.8
PLVO	baz=359	Plevna	100.82	1	P	Pdfif		23 59 44.9	-0.8
BANO	baz=358	Bancroft	100.82	2	P	Pdfif		23 59 45.3	-0.5
H48A	baz=358	Harrisville	100.87	6	PFAKE	LR	LR	00 00 00.0	+14
H48A	comp=Z,8um,21.0s	Harrisville	100.87	6	P	Pdfif		23 59 45.2	-0.7
H47A	baz=354	Mio	100.89	6	P	Pdfif		23 59 45.5	-0.6
TUQ	baz=353	Turquoise Moun	100.94	32	P	Pdfif		23 59 46.6	-0.1
PASC	baz=327	Pasadena Art C	100.95	35	PFAKE	LR	LR	00 00 00.0	+13
PASC	comp=Z,4um,19.0s	Pasadena Art C	100.95	35	PFAKE	LR	LR	00 00 00.0	+13
MWC	baz=359	Mount Wilson	100.97	35	PFAKE	LR	LR	00 00 00.0	+13
MWC	comp=Z,4um,22.0s	Mount Wilson	100.97	35	PFAKE	LR	LR	00 00 00.0	+13
FRNY	baz=359	Flat Rock	101.01	358	PFAKE	LR	LR	00 00 00.0	+13
FRNY	comp=Z,6um,19.0s	Flat Rock	101.01	358	PFAKE	LR	LR	00 00 00.0	+13
PV21	baz=359	Cone Mtn., Par	101.04	26	PFAKE	LR	LR	00 00 00.0	+13
PV21	comp=Z,10um,19.0s	Cone Mtn., Par	101.04	26	PFAKE	LR	LR	00 00 00.0	+13
I42A	baz=359	Draeger Farm,	101.06	10	PFAKE	LR	LR	00 00 00.0	+13
I42A	comp=Z,12um,18.0s	Draeger Farm,	101.06	10	P	Pdfif		23 59 47.0	+0.1
I42A	baz=349	Draeger Farm,	101.06	10	P	Pdfif		23 59 47.0	+0.1
WVL	baz=349	Waterville	101.11	356	PFAKE	LR	LR	00 00 00.0	+13
WVL	comp=Z,9um,20.0s	Waterville	101.11	356	PFAKE	LR	LR	00 00 00.0	+13
OGNE	baz=359	Ogallala	101.11	20	PFAKE	LR	LR	00 00 00.0	+13
OGNE	comp=Z,10um,22.0s	Ogallala	101.11	20	PFAKE	LR	LR	00 00 00.0	+13
BMRO	baz=355	Meriville Lake	101.11	4	P	Pdfif		23 59 46.6	-0.5
PV23	baz=355	Carpenter Ridg	101.12	26	PFAKE	LR	LR	00 00 00.0	+12
PV23	comp=Z,13um,21.0s	Carpenter Ridg	101.12	26	PFAKE	LR	LR	00 00 00.0	+12
PV22	baz=355	Blue Mesa, Par	101.13	26	ePdfif	LR	LR	23 59 48.1	+0.5
PV22	comp=Z,13um,21.0s	Blue Mesa, Par	101.13	26	ePdfif	LR	LR	23 59 48.1	+0.5
BFSC	baz=359	Mount Baldy Ra	101.14	34	P	Pdfif		23 59 47.3	-0.3
BFSC	comp=Z,9um,19.0s	Mount Baldy Ra	101.14	34	P	Pdfif		23 59 47.3	-0.3
PV10	baz=359	Paradox Valley	101.18	26	PFAKE	LR	LR	00 00 00.0	+12
PV10	comp=Z,11um,19.0s	Paradox Valley	101.18	26	PFAKE	LR	LR	00 00 00.0	+12
PV14	baz=359	Lion Creek, Pa	101.19	26	PFAKE	LR	LR	00 00 00.0	+12
PV14	comp=Z,12um,18.0s	Lion Creek, Pa	101.19	26	PFAKE	LR	LR	00 00 00.0	+12
SMCO	baz=359	Snowmass	101.19	24	ePdfif	LR	LR	23 59 48.6	+0.6
SMCO	comp=Z,10um,19.0s	Snowmass	101.19	24	ePdfif	LR	LR	23 59 48.6	+0.6
PV04	baz=359	Paradox Valley	101.21	26	PFAKE	LR	LR	00 00 00.0	+12
PV04	comp=Z,12um,20.0s	Paradox Valley	101.21	26	PFAKE	LR	LR	00 00 00.0	+12
PV20	baz=359	West Nyswonger	101.24	26	PFAKE	LR	LR	00 00 00.0	+12
PV20	comp=Z,11um,19.0s	West Nyswonger	101.24	26	PFAKE	LR	LR	00 00 00.0	+12
LONY	baz=359	Lake Ozonia	101.24	359	PFAKE	LR	LR	00 00 00.0	+12
LONY	comp=Z,5um,21.0s	Lake Ozonia	101.24	359	PFAKE	LR	LR	00 00 00.0	+12
LONY	baz=1.0	Lake Ozonia	101.24	359	P	Pdfif		23 59 48.0	+0.3
I45A	baz=359	Fountain	101.25	8	PFAKE	LR	LR	00 00 00.0	+12
I45A	comp=Z,8um,19.0s	Fountain	101.25	8	PFAKE	LR	LR	00 00 00.0	+12
PV19	baz=359	Morning Glory	101.26	26	PFAKE	LR	LR	00 00 00.0	+12
PV19	comp=Z,10um,18.0s	Morning Glory	101.26	26	PFAKE	LR	LR	00 00 00.0	+12
HEC	baz=327	Hector,Ludlow	101.26	33	P	Pdfif		23 59 47.8	-0.2
HEC	comp=Z,10um,18.0s	Hector,Ludlow	101.26	33	P	Pdfif		23 59 47.8	-0.2
PV07	baz=359	Paradox Valley	101.27	26	ePdfif	LR	LR	23 59 47.4	-0.8
PV07	comp=Z,9um,20.0s	Paradox Valley	101.27	26	ePdfif	LR	LR	23 59 47.4	-0.8
H56A	baz=360	Elgin	101.27	0	P	Pdfif		23 59 47.4	-0.4
H56A	comp=Z,9um,20.0s	Elgin	101.27	0	P	Pdfif		23 59 47.4	-0.4
PV16	baz=360	Nyswonger Mesa	101.28	26	PFAKE	LR	LR	00 00 00.0	+12
PV16	comp=Z,10um,18.0s	Nyswonger Mesa	101.28	26	PFAKE	LR	LR	00 00 00.0	+12
PV17	baz=360	East Wray Mesa	101.29	26	PFAKE	LR	LR	00 00 00.0	+12
PV17	comp=Z,11um,19.0s	East Wray Mesa	101.29	26	PFAKE	LR	LR	00 00 00.0	+12
H55A	baz=359	Tweed	101.31	1	P	Pdfif		23 59 47.5	-0.4
H55A	comp=Z,10um,18.0s	Tweed	101.31	1	P	Pdfif		23 59 47.5	-0.4
CLWO	baz=356	Collingwood	101.31	3	P	Pdfif		23 59 47.3	-0.7
CLWO	comp=Z,10um,18.0s	Collingwood	101.31	3	P	Pdfif		23 59 47.3	-0.7
PV11	baz=356	David Mesa, Pa	101.31	26	PFAKE	LR	LR	00 00 00.0	+12
PV11	comp=Z,13um,19.0s	David Mesa, Pa	101.31	26	PFAKE	LR	LR	00 00 00.0	+12
PV12	baz=356	Saucer Basin,	101.32	26	PFAKE	LR	LR	00 00 00.0	+12
PV12	comp=Z,12um,18.0s	Saucer Basin,	101.32	26	PFAKE	LR	LR	00 00 00.0	+12
DELO	baz=356	Deloro Mine	101.33	1	PFAKE	LR	LR	00 00 00.0	+12
DELO	comp=Z,6um,19.0s	Deloro Mine	101.33	1	PFAKE	LR	LR	00 00 00.0	+12
DELO	baz=358	Deloro Mine	101.33	1	P	Pdfif		23 59 47.4	-0.6
DELO	comp=Z,6um,19.0s	Deloro Mine	101.33	1	P	Pdfif		23 59 47.4	-0.6
PV18	baz=358	Skein Mesa, Pa	101.34	26	PFAKE	LR	LR	00 00 00.0	+11
PV18	comp=Z,10um,19.0s	Skein Mesa, Pa	101.34	26	PFAKE	LR	LR	00 00 00.0	+11
PV03	baz=358	Paradox Valley	101.36	26	ePdfif	LR	LR	23 59 49.2	+0.6
PV03	comp=Z,10um,18.0s	Paradox Valley	101.36	26	ePdfif	LR	LR	23 59 49.2	+0.6
PV05	baz=358	Paradox Valley	101.42	26	PFAKE	LR	LR	00 00 00.0	+11
PV05	comp=Z,10um,18.0s	Paradox Valley	101.42	26	PFAKE	LR	LR	00 00 00.0	+11
PV02	baz=358	Paradox Valley	101.44	26	PFAKE	LR	LR	00 00 00.0	+11
PV02	comp=Z,10um,18.0s	Paradox Valley	101.44	26	PFAKE	LR	LR	00 00 00.0	+11
I47A	baz=356	Gladwin	101.44	6	PFAKE	LR	LR	00 00 00.0	+11
I47A	comp=Z,12um,20.0s	Gladwin	101.44	6	PFAKE	LR	LR	00 00 00.0	+11
PV13	baz=356	Radium Mtn., P	101.45	26	PFAKE	LR	LR	00 00 00.0	+11
PV13	comp=Z,9um,21.0s	Radium Mtn., P	101.45	26	PFAKE	LR	LR	00 00 00.0	+11
CIS	baz=325	Catalina Islan	101.47	35	P	Pdfif		23 59 49.2	+0.2
CIS	comp=Z,11um,18.0s	Catalina Islan	101.47	35	P	Pdfif		23 59 49.2	+0.2
VT1	baz=325	Waterbury	101.49	358	PFAKE	LR	LR	00 00 00.0	+11
VT1	comp=Z,7um,21.0s	Waterbury	101.49	358	PFAKE	LR	LR	00 00 00.0	+11
LBNH	baz=356	Lisbon	101.55	357	PFAKE	LR	LR	00 00 00.0	+11
LBNH	comp=Z,6um,19.0s	Lisbon	101.55	357	PFAKE	LR	LR	00 00 00.0	+11
LBNH	baz=32	Lisbon	101.55	357	P	Pdfif		23 59 49.3	+0.3
LBNH	comp=Z,6um,19.0s	Lisbon	101.55	357	P	Pdfif		23 59 49.3	+0.3
PV01	baz=356	Paradox Valley	101.56	26	PFAKE	LR	LR	00 00 00.0	+10
PV01	comp=Z,7um,21.0s	Paradox Valley	101.56	26	PFAKE	LR	LR	00 00 00.0	+10
LDFC	baz=356	Landfair	101.60	32	PFAKE	LR	LR	00 00 00.0	+10
LDFC	comp=Z,8um,21.0s	Landfair	101.60	32	PFAKE	LR	LR	00 00 00.0	+10
GMRC	baz=357	Granite Mounta	101.60	33	P	Pdfif		23 59 50.0	+0.4
GMRC	comp=Z,7um,19.0s	Granite Mounta	101.60	33	P	Pdfif		23 59 50.0	+0.4
U15A	baz=357	North Rim	101.63	29	PFAKE	LR	LR	00 00 00.0	+10
U15A	comp=Z,7um,20.0s	North Rim	101.63	29	PFAKE	LR	LR	00 00 00.0	+10
I49A	baz=357	Point Hope	101.66	5	PFAKE	LR	LR	00 00 00.0	+10
I49A	comp=Z,8um,20.0s	Point Hope	101.66	5	PFAKE	LR	LR	00 00 00.0	+10
BASO	baz=355	Ashfield	101.67	4	P	Pdfif		23 59 49.2	-0.4
BASO	comp=Z,8um,20.0s	Ashfield	101.67	4	P	Pdfif		23 59 49.2	-0.4
BGNE	baz=355	Belgrade	101.70	17	PFAKE	LR	LR	00 00 00.0	+10
BGNE	comp=Z,10um,18.0s	Belgrade	101.70	17	PFAKE	LR	LR	00 00 00.0	+10

BGNE	comp=Z,10um,18.0s	Belgrade	101.70	17	P	Pdfif		23 59 49.6	-0.2
BGNE	baz=34	Belgrade	101.70	17	P	Pdfif			

21d 23h

P49A	comp=2.6um,18.0s baz=352	105.86	7	P	PKIKP	00 04 19.9	-0.9
P50A	Jamestown baz=352	105.88	6	P	PKIKP	00 04 20.0	-0.8
PSUB	Penn St. - Bra	105.94	360	P	PFAKE	00 04 30.0	+9.1
PSUB					LR		
PSL2	comp=2.9um,18.0s Corning	105.99	5	P	PKIKP	00 04 20.1	-1.0
SLM	comp=2.9um,18.0s Saint Louis	106.00	12	PFAKE	LR	00 04 30.0	+8.9
BLO	comp=2.9um,19.0s Bloomington	106.01	9	PFAKE	LR	00 04 30.0	+8.9
BLO					LR		
P60A	comp=2.8um,18.0s Greenville	106.05	360	P	PKIKP	00 04 20.4	-0.7
P51A	comp=2.8um,18.0s Williamsport	106.07	6	PFAKE	LR	00 04 30.0	+8.8
P51A					LR		
MCWV	comp=2.10um,22.0s Mont Chateau	106.11	3	PFAKE	LR	00 04 30.0	+8.7
MCWV					LR		
P53A	comp=2.3um,19.0s Whipple	106.19	5	PFAKE	LR	00 04 30.0	+8.6
P53A					LR		
OLIL	comp=2.9um,19.0s Olney	106.23	10	PFAKE	LR	00 04 30.0	+8.5
OLIL					LR		
P59A	comp=2.8um,20.0s Jarrettsville	106.25	1	P	PKIKP	00 04 21.1	-0.4
P56A	comp=2.8um,20.0s Dayton Farm, R	106.30	2	P	PKIKP	00 04 21.0	-0.6
P57A	comp=2.8um,20.0s Homestead Farm	106.35	2	P	PKIKP	00 04 20.7	-1.0
CCM	comp=2.8um,18.0s Cathedral Cave	106.38	13	PFAKE	LR	00 04 30.0	+8.2
CCM					LR		
CCM	comp=2.8um,18.0s Cathedral Cave	106.38	13	P	PKIKP	00 04 20.9	-0.9
SDMD	comp=2.4um,19.0s Soldier's Deli	106.45	1	PFAKE	LR	00 04 30.0	+8.1
SDMD					LR		
MAW	comp=2.4um,19.0s Mawson	106.47	195	PFAKE	LR	00 04 30.0	+9.2
MAW					LR		
Q51A	comp=2.600nm,19.0s Peebles	106.50	6	PFAKE	LR	00 04 30.0	+8.0
Q51A					LR		
Q51A	comp=2.8um,20.0s Peebles	106.50	6	P	PKIKP	00 04 20.9	-1.1
Q50A	comp=2.8um,20.0s Georgetown	106.62	7	P	PKIKP	00 04 21.0	-1.2
Q52A	comp=2.8um,20.0s Bidwell	106.65	5	P	PKIKP	00 04 21.6	-0.7
Q54A	comp=2.8um,20.0s Coxs Mills	106.73	4	PFAKE	LR	00 04 30.0	+7.6
Q54A					LR		
Q56A	comp=2.10um,20.0s Snyder Ridge	106.75	3	P	PKIKP	00 04 21.6	-0.9
Q55A	comp=2.8um,20.0s Buckhannon	106.76	4	P	PKIKP	00 04 21.1	-1.4
Q57A	comp=2.8um,20.0s Strasburg	106.79	2	P	PKIKP	00 04 20.6	-1.9
AMTX	comp=2.8um,20.0s Amarillo	106.83	22	PFAKE	LR	00 04 30.0	+7.1
AMTX					LR		
AMTX	comp=2.16um,18.0s Amarillo	106.83	22	P	PKIKP	00 04 22.4	-0.5
121A	comp=2.8um,20.0s Cokes Peak, D	106.83	28	P	PKIKP	00 04 21.5	-1.5
Q58A	comp=2.8um,20.0s Fox Den Farm,	106.90	2	P	PKIKP	00 04 21.9	-0.9
WCI	comp=2.8um,20.0s Wyandotte Cave	106.97	9	PFAKE	LR	00 04 30.0	+7.1
WCI					LR		
WCI	comp=2.8um,20.0s Wyandotte Cave	106.97	9	P	PKIKP	00 04 22.2	-0.7
R49A	comp=2.8um,20.0s Shelbyville	107.04	8	PFAKE	LR	00 04 30.0	+7.0
R49A					LR		
USIN	comp=2.7um,18.0s University of	107.05	10	PFAKE	LR	00 04 30.0	+7.0
USIN					LR		
R50A	comp=2.10um,19.0s Paris	107.14	7	PFAKE	LR	00 04 30.0	+6.8
R50A					LR		
R50A	comp=2.10um,19.0s Paris	107.14	7	P	PKIKP	00 04 22.4	-0.8
R52A	comp=2.8um,20.0s Cattlettsburg	107.24	6	P	PKIKP	00 04 22.8	-0.6
319A	comp=2.7um,20.0s Douglas	107.25	30	PFAKE	LR	00 04 40.0	+16
319A					LR		
R53A	comp=2.8um,21.0s Hurricane	107.30	5	PFAKE	LR	00 04 40.0	+16
R53A					LR		
MSTX	comp=2.7um,20.0s Muleshoe	107.32	23	PFAKE	LR	00 04 40.0	+16
MSTX					LR		
MSTX	comp=2.7um,20.0s Muleshoe	107.32	23	P	PKIKP	00 04 23.2	-0.6
R55A	comp=2.8um,21.0s Marlinton	107.47	4	PFAKE	LR	00 04 40.0	+16
R55A					LR		
TUL1	comp=2.9um,21.0s Leonard	107.49	17	PFAKE	LR	00 04 40.0	+16
TUL1					LR		
TUL1	comp=2.9um,18.0s Leonard	107.49	17	P	PKIKP	00 04 23.3	-0.6
R54A	comp=2.8um,21.0s Victor	107.52	4	P	PKIKP	00 04 22.7	-1.3
S49A	comp=2.8um,21.0s Springfield	107.53	8	P	PKIKP	00 04 21.7	-2.3
HHAR	comp=2.8um,21.0s Hobbs	107.56	15	PFAKE	LR	00 04 40.0	+16
HHAR					LR		
CBN	comp=2.11um,22.0s Corbin Frederi	107.64	1	PFAKE	LR	00 04 40.0	+16
CBN					LR		
U40A	comp=2.7um,19.0s Yellville	107.72	14	P	PKIKP	00 04 23.0	-1.4
S50A	comp=2.8um,21.0s Richmond	107.73	7	P	PKIKP	00 04 24.5	+0.2
PBMO	comp=2.8um,21.0s Poplar Bluff	107.77	12	PFAKE	LR	00 04 40.0	+16
PBMO					LR		
WMOK	comp=2.9um,19.0s Wichita Mounta	107.82	20	PFAKE	LR	00 04 40.0	+15
WMOK					LR		
T45A	comp=2.9um,19.0s Paducah	107.83	11	PFAKE	LR	00 04 40.0	+15
T45A					LR		
S51A	comp=2.10um,18.0s Beattyville	107.85	7	PFAKE	LR	00 04 40.0	+15
S51A					LR		
S51A	comp=2.10um,20.0s Beattyville	107.85	7	P	PKIKP	00 04 25.2	+0.6
R58B	comp=2.8um,21.0s Mineral	107.87	2	PFAKE	LR	00 04 40.0	+15
R58B					LR		
S54A	comp=2.7um,19.0s Dingess, Beckl	107.88	5	P	PKIKP	00 04 25.5	+0.9
S53A	comp=2.8um,21.0s Williamson	107.93	5	P	PKIKP	00 04 23.5	-1.3
S55A	comp=2.8um,21.0s Lewisburg	107.95	4	P	PKIKP	00 04 24.7	-0.1
PARMO	comp=2.8um,21.0s Parma	108.00	12	PFAKE	LR	00 04 40.0	+15
PARMO					LR		
S57A	comp=2.9um,19.0s Dark Hollow, R	108.04	3	PFAKE	LR	00 04 40.0	+15
S57A					LR		
T47A	comp=2.7um,19.0s Edmonton	108.09	10	PFAKE	LR	00 04 40.0	+15
T47A					LR		
T49A	comp=2.9um,20.0s Edmonton	108.17	8	PFAKE	LR	00 04 40.0	+15
T49A					LR		
S61A	comp=2.8um,19.0s Accomac	108.18	360	PFAKE	LR	00 04 40.0	+15
S61A					LR		
S58A	comp=2.6um,18.0s Poland Farm, P	108.22	2	PFAKE	LR	00 04 40.0	+15
S58A					LR		

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PVMO	Portageville	108.25	12	PFAKE	LR	00 04 40.0	+15
PVMO					LR		
FCAR	comp=2.10um,20.0s Ozark Folk Cen	108.32	14	PFAKE	LR	00 04 40.0	+15
FCAR					LR		
TS2A	comp=2.8um,20.0s Hallie	108.43	6	PFAKE	LR	00 04 40.0	+14
TS2A					LR		
GLAT	comp=2.12um,18.0s Glass	108.46	12	PFAKE	LR	00 04 40.0	+14
GLAT					LR		
MNTX	comp=2.11um,18.0s Cornudas Mount	108.48	26	PFAKE	LR	00 04 40.0	+14
MNTX					LR		
BLA	comp=2.6um,20.0s Blacksburg	108.52	4	PFAKE	LR	00 04 40.0	+14
BLA					LR		
HSIG	comp=2.10um,18.0s HSIG	108.59	32	PFAKE	LR	00 04 40.0	+14
HSIG					LR		
GNAR	comp=2.4um,20.0s Gosnell	108.64	12	PFAKE	LR	00 04 40.0	+14
GNAR					LR		
W39A	comp=2.9um,19.0s Magazine	108.64	16	PFAKE	LR	00 04 40.0	+14
W39A					LR		
T60A	comp=2.9um,19.0s Surry	108.71	1	PFAKE	LR	00 04 40.0	+14
T60A					LR		
T57A	comp=2.9um,18.0s Hurt	108.79	3	PFAKE	LR	00 04 40.0	+14
T57A					LR		
HALT	comp=2.10um,19.0s Halls	108.81	12	PFAKE	LR	00 04 40.0	+14
HALT					LR		
WVVT	comp=2.8um,19.0s Waverly	108.83	10	PFAKE	LR	00 04 40.0	+14
WVVT					LR		
WHAR	comp=2.10um,19.0s Wooly Hollow	108.86	14	PFAKE	LR	00 04 40.0	+13
WHAR					LR		
T59A	comp=2.10um,20.0s Double "B" Far	108.87	2	PFAKE	LR	00 04 40.0	+14
T59A					LR		
HBAR	comp=2.7um,20.0s Harrisburg	108.92	13	PFAKE	LR	00 04 40.0	+13
HBAR					LR		
TZTN	comp=2.10um,20.0s Tazewell	108.94	7	PFAKE	LR	00 04 40.0	+13
TZTN					LR		
W41B	comp=2.9um,18.0s Gary Mavity, V	108.98	14	P	PKIKP	00 04 25.7	-1.0
W41B					LR		
CLTN	comp=2.8um,21.0s Cedars of Leba	109.07	9	PFAKE	LR	00 04 40.0	+13
CLTN					LR		
U54A	comp=2.5um,21.0s Nelsons Funny	109.11	5	PFAKE	LR	00 04 40.0	+13
U54A					LR		
MIAR	comp=2.8um,21.0s Mount Ida	109.31	16	PFAKE	LR	00 04 40.0	+13
MIAR					LR		
UALR	comp=2.6um,19.0s University of	109.35	14	PFAKE	LR	00 04 40.0	+13
UALR					LR		
V48A	comp=2.11um,22.0s Smith Brothers	109.35	10	PFAKE	LR	00 04 40.0	+13
V48A					LR		
SRIG	comp=2.8um,18.0s Santa Rosalia	109.46	34	PFAKE	LR	00 04 40.0	+12
SRIG					LR		
MET	comp=2.4um,20.0s Memphis-Engin	109.47	12	PFAKE	LR	00 04 40.0	+12
MET					LR		
U59A	comp=2.10um,18.0s Littleton	109.48	2	PFAKE	LR	00 04 40.0	+12
U59A					LR		
U61A	comp=2.6um,19.0s Possum Corner	109.52	1	PFAKE	LR	00 04 40.0	+12
U61A					LR		
X40A	comp=2.10um,18.0s Basin Creek Fa	109.52	15	PFAKE	LR	00 04 40.0	+12
X40A					LR		
ABTX	comp=2.7um,19.0s Abilene, Hawle	109.55	21	PFAKE	LR	00 04 40.0	+12
ABTX					LR		
V51A	comp=2.12um,19.0s Loudon	109.59	7	PFAKE	LR	00 04 40.0	+12
V51A					LR		
V52A	comp=2.10um,19.0s Sevierville	109.63	7	PFAKE	LR	00 04 40.0	+12
V52A					LR		
W47A	comp=2.7um,19.0s Westpoint	109.72	10	P	PKIKP	00 04 25.6	-2.6
W47A					LR		
V53A	comp=2.8um,21.0s Saluda	109.88	6	PFAKE	LR	00 04 40.0	+12
V53A					LR		
V56A	comp=2.10um,19.0s Mocksville	109.91	4	PFAKE	LR	00 04 40.0	+12
V56A					LR		
PLAL	comp=2.12um,18.0s Pickwick Lake	109.92	11	PFAKE	LR	00 04 40.0	+12
PLAL					LR		
CPCT	comp=2.6um,18.0s Cooper Cave	109.92	8	PFAKE	LR	00 04 40.0	+11
CPCT					LR		
SWET	comp=2.12um,18.0s Sewanee	109.99	9	PFAKE	LR	00 04 40.0	+11
SWET					LR		
W49A	comp=2.9um,21.0s Belvidere	110.04	9	P	PKIKP	00 04 27.7	-1.0
W49A					LR		
V61A	comp=2.8um,21.0s Roper	110.06	1	PFAKE	LR	00 04 40.0	+11
V61A					LR		

Table with columns: ASCN, Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC, P, h, m, s, ISC, P. Includes stations like 060A, 059A, 061Z, etc.

Table with columns: LPAZ, Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC, P, h, m, s, ISC, P. Includes stations like LPAZ, LA PAZ, LA PAZ, etc.

Table with columns: COCH, Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC, P, h, m, s, ISC, P. Includes stations like COCH, CCHI, CCHI, etc.

Table with columns: OTUK, Station Name, Time, Res, Code, Station Name, A° AZ, Phase ID, Op, ISC, h m s, ISC, Time, Res. Includes stations like NJ2 Nanjing, JNU Nakatsu, etc.

ISC 22:00:06:37.1±1.0, 34°49'N; 104°27'E, h0km, mb3.6/5, mb1 3.8/6, mb1mx3.4/48, mbmt3.6/6, ML3.4/1, Error ellipse: s-maj=77.7km s-min=19.0km az=57.0

Table with columns: Code, Station Name, A° AZ, Phase ID, Op, ISC, h m s, ISC, Time, Res. Includes stations like LZH Lanzhou, XAN Xi'an, etc.

ISC 22:00:09:41.3±0.2, 34°55'N; 104°44'E, h10km, mb4.7/103, Error ellipse: s-maj=3.8km s-min=3.1km az=145.9

ISC 22:00:09:42.9±0.0, 34°55'N; 104°22'E, h7km, mb4.4/17, mb4.6/1, ML4.5/14

ISC 22:00:09:43.0±1.3, 34°51'N; 104°37'E, h4km, mb4.8/33, Error ellipse: s-maj=6.7km s-min=5.7km az=119.2

ISC 22:00:09:47.5±1.3, 34°54'N; 104°37'E, h4km, mb4.4/123, mb1 4.2/26, mb1mx4.1/51, mb1mx4.3/26, ML4.0/3, Error ellipse: s-maj=15.8km s-min=10.4km az=46.0

ISC 22:00:09:43.0±0.3, 34°60'N; 104°43'E, h10km, n217, s171/232, mb4.8/111, 16C-4D, Gansu

Table with columns: Code, Station Name, A° AZ, Phase ID, Op, ISC, h m s, ISC, Time, Res. Includes stations like LZH Lanzhou, CD2 Chengdu, etc.

Main table with columns: Station Name, Time, Res, Code, Station Name, A° AZ, Phase ID, Op, ISC, h m s, ISC, Time, Res. Includes stations like HHC Hu-ho-hao-te, KMI Kunming, SONA Songo Array, etc.

Main table with columns: Station Name, Time, Res, Code, Station Name, A° AZ, Phase ID, Op, ISC, h m s, ISC, Time, Res. Includes stations like BUR08 Buocovina Ar. S, MLR Muntele Rosu, etc.

22d Oh

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SCRC Sand Creek, AQU L'Aquila, BFO Black Forest, etc.

ISC/JB 22:00:16:42.6:0.6, 34:51N:0:04:104:2E:0.1, h10km, mb3.9/6, Error ellipse: s-maj=12.5km s-min=4.5km

IDC 22:00:16:42.4:1.1, 34:76N:104:68E, h0km, mb3.6/7, mb1 3.9/8, mb1mx3 5/59, mb1mx3 7/8, Error ellipse: s-maj=67.2km s-min=17.8km az=53.0

BUI 22:00:16:46.0:0.0, 34:53N:104:27E, h7km, ML3.9/8

ISC 22:00:16:45.0:0.6, 34:53N:105:104:25E:0.05, h10km, n15, az=10/22, mb3.9/6, 1C, Gansu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Lanzhou, Chengdu, Xi'an, Wuhan, etc.

WEL 22:00:20:57.7, 42:54:17:4E, h15km, M3.8/27, ML4.1/24, ML3.8/27, Error ellipse: s-maj=0.0km s-min=0.0km az=0.8, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

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Main table with columns: THZ, Topouse, 0.89 269 P Pn, etc. Includes stations like PLWZ, MSWZ, CAUW, etc.

ISC/JB 22:00:21:13.7:0.3, 41:96N:0:02:23:13E:0:03, h7km, 4km, Error ellipse: s-maj=4.1km s-min=2.6km az=161.8

SOF 22:00:21:14.5, 41:97N:23:26E, h2km

SKZ 22:00:21:14.6, 41:93N:23:17E, h3km, M1.8, ML2.1

BEO 22:00:21:15.6:0.3, 41:94N:15E:10km, ML2.0/8

THE 22:00:21:16.6, 41:84N:23:20E, h5km, ML2.0/6, Error ellipse: s-maj=1.1km s-min=0.6km az=171.0

ATH 22:00:21:16.0, 41:84N:23:20E, h20km, 3km, ML2.1/8, Error ellipse: s-maj=4.7km s-min=1.8km az=167.0

ISC 22:00:21:15.3:0.9, 41:93N:0:02:23:19E:0.02, h9km, 7km, n41, az=92/68, 4C, Greece-Bulgaria border

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

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Table with columns: THE, Thessaloniki, 1.31 188 P Pn, etc. Includes stations like THE, HORT, HORT, etc.

LJU 22:00:22:34.2, 46:01N:15:80E, h8km, ML0.7, Northwestern Balkan Peninsula

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

OMAN 22:00:53:35.7:2.5, 25:58N:62:32E, h10km, ml3.9/4, Error ellipse: s-maj=29.4km s-min=17.7km az=97.0

Southwestern Pakistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WSAR, Wadi Sarin, WBK, etc.

NEIC 22:00:59:57.7:3.1, 19:26N:70:29W, h32km, 12km, ML3.6, Error ellipse: s-maj=8.0km s-min=6.1km az=85.0

NEIC Felt [V] at San Francisco de Macoris. Also felt at Nagua and Santo Domingo.

OSPL 22:00:59:57.1:2.7, 19:20N:70:08W, h0km, 25km, ML3.1, Fault plane solution: N P1=2.70000, 875.30000, Az=120.30000

ISC 22:00:59:55.6:1.5, 19:22N:0:05:70:15W:0.04, h16km, 12km, n31, c191/38, 2C-2D, Dominican Republic region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BON, Bonao, SC01, etc.

Table with columns: AOPR, Arcibco Observ, 3.34 105, ePn, Pn, 01 00 50.3 +3.1, etc.

IDC 22 01:12:33.0-0.3, 34.54N, 104.20E, h0km, mb5.2/43, mb1 5.3/47, mb1mx5.3/53, mbtmp5.2/47, ML4.8/4, MS4.8/28, Ms1.4.8/28, ms1mx4.6/38, Error ellipse: s-maj=11.0km s-min=7.7km az=45.0

ISCJB 22 01:12:33.9-0.1, 34.55N, 104.19E, h14km, mb5.4/195, MS5.1/242, Error ellipse: s-maj=2.1km s-min=1.9km az=28.5

MOS 22 01:12:34.5-0.9, 34.52N, 104.18E, h19km, mb5.7/83, MS5.0/50, Error ellipse: s-maj=5.0km s-min=3.4km az=122.4

NEIC 22 01:12:34.9-1.8, 34.53N, 104.18E, h10km, mb5.6/288, MS5.1/189, Error ellipse: s-maj=9.3km s-min=8.9km az=221.0

BJJ 22 01:12:36.0-0.0, 34.56N, 104.21E, h14km, mb5.4/55, mb5.6/33, ML5.7/13, Ms5.6/81, Ms7.5/576

GCMT 22 01:12:36.9-0.1, 34.65N, 104.104.35E, h19km, MW5.4/108, Moment Tensor Solution. s70,c98; s108,c198; Duration: 1s2 Moment tensor: Scale 10^17 Nm; Mn:1.23e+04; M0:0.34e+02; M00:0.88e+03; M0-0.37e+06; M00.81e+02; M00.24e+05; Best double couple: Mo:1.42200e+17 NP1:0.316,00000; s54.00000; 1.80,00000; NP2:0.153,00000; s37.00000; 1.03,00000; Principal axes: T:1.3140; P1:78.0000; Azm:183.0000; N:0.2210; P1g:0.0000; Azm322.0000; P-1.5300; P1g9.0000; Azm54.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22 01:12:35.6-0.5, 34.57N, 104.20E, h14km, 3km, h14km, pP-P, n1043, 0146/1005, mb5.5/237, MS5.2/263, 150C-28D, Gansu

Main table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc. Includes stations like Lanzhou, Chengdu, Xi'an, Taiyuan, Baotou, Guitang, Enshi, Taiyuan, Wuhan, Kunming, etc.

Main table with columns: LSA, comp=Z, 120nm, 1.6s, pmax, pmax, etc. Includes stations like Son La, Songino Array, Shillong, Shillong, Shillong, etc.

Main table with columns: IRK, Irkutsk, 17.67, 0, eP, P, 01 16 42.3 +0.2, etc. Includes stations like DMN, TATO, YHNB, GKN, SSSL, PBKT, NACB, DANN, HIA, HIA, HIA, etc.

PET	e	01 22 24.0			
PET	eS	01 26 48.6 +0.1			
PET	S pmax				
comp-Z,59nm,1.4s					
MLR	MLR				
comp-Z,3um,14.0s					
MLR	MLR				
comp-Z,4um,14.0s					
ESma-Masafi	42.29 271	01 20 30.1 +1.1			
Minazif	42.42 270	01 20 40.0 +1.0			
comp-Z,1um,22.0s					
Minazif	42.42 270	01 20 31.3 +1.2			
Nazwa, Dubai	42.85 271	01 20 34.9 +1.3			
AI Faqa, Dubai	43.01 270	01 20 35.9 +1.0			
AI Ashush, Dub	43.28 270	01 20 38.4 +1.4			
SNR=11					
ASUD AI Ashush, Dub	43.28 270	01 20 38.3 +1.3			
SNR=6.4					
ASUD	P	01 20 38.3 +1.3			
SNR=6.4					
SJJI Sorong	43.43 139	01 20 36.6 -1.6			
comp-Z,21nm,0.8s,baz=313,slo=23,SNR=3.4					
JAGI Jajag, Banyuwa	43.83 166	01 20 40.0 -1.4			
comp-Z,152nm,0.9s					
Makhachkala	44.26 298	01 20 38.7 -5.9			
MAK	eP	01 20 38.7 -5.9			
MAK	eS	01 27 09.6 -8.3			
MAK	eSS	01 30 30.7 -5.3			
MAK	S pmax				
comp-Z,115nm,1.0s					
MLR	MLR				
comp-Z,2um,13.0s					
Akhty	44.34 296	01 20 46.2 +0.7			
AKT	iP	01 22 29.9			
AKT	eS	01 27 21.3 +1.9			
AKT	S pmax				
comp-Z,81nm,1.0s					
SEKA	44.78 296	01 20 49.9 +0.9			
Shkhi	44.95 295	01 20 51.9 +1.7			
MNGR Hingchevir, A	45.13 297	01 20 52.9 +1.2			
ZKTA Zakatala	45.43 325	01 20 53.7 0.0			
PRGR Permogore					
comp-Z,120nm,1.1s					
GROG	eP	01 20 54.5 +0.3			
GROG	eS	01 22 33.0			
GROG	S	01 27 36.7 +1.4			
GROG	S pmax				
comp-Z,158nm,1.0s					
GANJ Ganja	45.54 295	01 20 55.7 +0.7			
MMRI Maumere	46.24 195	01 20 59.2 -1.4			
comp-Z,160nm,0.9s					
NAX Nakhchivan	46.49 294	01 21 02.9 +0.4			
GNI Garni	46.83 295	01 21 06.7 +1.5			
comp-Z,119nm,1.4s					
GNI	LR				
comp-Z,500nm,20.0s					
GNI	iP	01 21 06.7 +1.5			
SNR=17					
GNI	eP	01 21 06.7 +1.5			
GNI	S pmax				
comp-Z,119nm,1.4s					
GNI	MLR				
comp-Z,500nm,20.0s					
GNI	P	01 21 07.0 +1.8			
SNR=15					
GNI	P	01 21 07.0 +1.8			
ZEI	eP	01 21 02.9 -2.9			
ZEI	S pmax				
comp-Z,103nm,1.5s					
GOF	47.11 302	01 21 08.2 +1.0			
GOF	iP				
comp-Z,149nm,0.6s					
IGDI	47.39 295	01 21 11.9 +2.4			
IGDI	iP				
comp-Z,164nm,0.8s					
KBZ	47.44 300	01 21 09.7 -0.1			
KBZ	S	01 43 50.6			
comp-Z,20nm,0.8s,baz=101,slo=5.3,SNR=35					
AKH	47.48 297	01 21 20.0 +1.0			
AKH	PFAKE LR				
comp-Z,1um,21.0s					
AKH	47.48 297	01 21 12.4 +2.1			
AKH	iP				
AKH	47.48 297	01 21 12.3 +2.0			
AKH	S pmax				
comp-Z,72nm,1.0s					
EAK	47.55 296	01 21 13.4 +2.5			
EAK	iP				
comp-Z,32nm,0.5s					
KIV	47.55 301	01 21 12.1 +1.3			
KIV	eP				
comp-Z,52nm,0.8s					
KIV	LR				
comp-Z,800nm,18.0s					
KIV	47.55 301	01 21 11.4 +0.6			
KIV	iP				
Kislovodsk	47.55 301	01 21 12.1 +1.3			
SNR=20					
KIV	eP	01 21 11.3 +0.5			
KIV	eS	01 28 06.4 +0.9			
KIV	S pmax				
comp-Z,386nm,4.5s					
KIV	S pmax				
comp-Z,219nm,1.1s					
KIV	MLR				
comp-Z,3um,16.0s					
KIV	47.55 301	01 21 11.9 +1.2			
KIV	P				
SNR=24					
SHA1	47.61 300	01 21 12.2 +0.8			
NEI	47.66 300	01 21 13.2 +1.5			
NEI	S pmax				
comp-Z,17nm,0.7s					
DIGO	47.79 296	01 21 15.2 +2.4			
DIGO	iP				
comp-Z,24nm,0.2s					
VMUR	47.98 294	01 21 16.9 +2.6			
VMUR	iP				
comp-Z,314nm,0.8s					
BILL	48.03 270	01 21 14.5 +0.5			
BILL	iP				
comp-Z,100nm,1.3s					
BILL	S pmax				
comp-Z,2um,18.0s					
BATI	48.20 154	01 21 13.6 -2.4			
BATI	P				
comp-Z,115nm,0.6s,baz=276,slo=3.2,SNR=9.9					
HAKT	48.25 292	01 21 17.4 +1.0			
HAKT	iP				
comp-Z,353nm,0.6s					
DOMR	48.44 300	01 21 16.4 -1.3			
EATA	48.58 295	01 21 21.6 +2.6			
EATA	iP				
comp-Z,353nm,0.7s					
ADCV	48.67 294	01 21 21.7 +2.1			
ADCV	iP				
comp-Z,37nm,0.3s					
VORR	48.76 311	01 21 19.0 -0.8			
VORR	eP				
comp-Z,300nm,1.6s					
VORD	48.79 310	01 21 20.3 +0.3			
VORD	eP				
comp-Z,50nm,0.9s					
VSR	48.84 311	01 21 20.5 +0.1			
VSR	eP				
comp-Z,150nm,1.5s					
VSR	S pmax				
comp-Z,1um,16.0s					
BCA	48.84 298	01 21 21.9 +1.2			
LPSR	48.84 313	01 21 20.4 0.0			
LPSR	eP				
comp-Z,80nm,0.8s					
LPSR	MLR				
comp-Z,1um,13.0s					
HOMI	48.97 296	01 21 24.4 +2.4			
HOMI	iP				
comp-Z,198nm,0.1s					
BLIS	49.23 294	01 21 26.1 +2.2			
BLIS	iP				
comp-Z,648nm,0.5s					
AKDA	49.35 296	01 21 27.0 +2.2			
AKDA	iP				
MOS	49.36 317	01 21 24.3 0.0			
MOS	e	01 22 41.5			
MOS	e	01 23 22.1			

MOS	eS	01 28 31.6 +1.2			
MOS	S pmax				
comp-Z,178nm,0.9s					
MOS	pmax				
comp-Z,600nm,1.7s					
MOS	MLR				
comp=N,1um,17.0s					
MOS	MLR				
comp=E,1um,17.0s					
MOS	MLR				
comp-Z,1um,17.0s					
MOS	MLR				
SRMT Siirt_Merkez	49.49 293	01 21 27.3 +1.4			
SRMT	iP				
comp-Z,465nm,0.8s					
MUSM	49.60 294	01 21 28.4 +1.7			
MUSM	iP				
comp-Z,167nm,0.6s					
KRIK	49.62 296	01 21 29.9 +3.0			
KRIK	iP				
comp-Z,735nm,0.5s					
SOC	49.73 301	01 21 27.5 +0.1			
SOC	iP				
SOC	eS	01 28 38.2 +2.2			
SOC	eSS	01 33 37.5			
SOC	S pmax				
comp-Z,71nm,0.9s					
SOC	MLR				
comp-Z,2um,15.0s					
BINGOL	49.81 295	01 21 30.6 +2.2			
OBN	50.01 316	01 21 29.3 0.0			
OBN	eP				
comp-Z,2um,20.0s					
OBN	LR				
comp-Z,99nm,1.6s					
OBN	MLR				
BTM Batman	50.02 293	01 21 31.6 +1.8			
BTM	iP				
comp-Z,409nm,0.6s					
KOPT	50.02 296	01 21 32.5 +2.5			
KOPT	iP				
comp-Z,239nm,0.7s					
KTUT	50.31 297	01 21 32.7 +0.9			
JAY	50.35 129	01 21 31.9 -0.6			
comp-Z,20nm,0.8s,baz=305,slo=6.7,SNR=18					
HANI	50.53 294	01 21 36.0 +2.3			
HANI	iP				
comp-Z,156nm,0.4s					
EUZM	50.70 296	01 21 37.2 +2.3			
EUZM	iP				
comp-Z,151nm,0.3s					
LVZ	50.81 333	01 21 35.2 0.0			
LVZ	eP				
comp-Z,500nm,18.0s					
LVZ	LR				
comp-Z,88nm,1.7s					
LVZ	50.81 333	01 21 34.9 -0.3			
LVZ	eP				
comp-Z,2.8nm,0.4s					
TNCL	50.97 295	01 21 38.4 +1.4			
TNCL	iP				
ANN	51.07 303	01 21 36.5 -1.0			
ANN	eP				
ANN	eS	01 23 35.3			
ANN	S	01 28 52.7 -1.8			
ANN	S pmax				
comp-Z,155nm,1.0s					
ANN	MLR				
comp=N,1um,18.0s					
ANN	MLR				
comp-Z,2um,18.0s					
ANN	MLR				
comp=E,2um,18.0s					
APA	51.26 332	01 21 37.0 -1.6			
APA	iP				
APA	S	01 28 51.0 -5.6			
APA	S pmax				
comp-Z,6.0nm,0.8s					
APA	MLR				
comp-Z,700nm,14.0s					
SMY	51.62 47	01 21 40.8 -0.7			
SMY	eP				
comp-Z,201nm,1.0s					
SMY	LR				
comp-Z,1um,22.0s					
SMY	51.62 47	01 21 40.8 -0.7			
SMY	eP				
comp-Z,201nm,1.0s					
SMY	MLR				
comp-Z,1um,22.0s					
RAYN	51.85 274	01 21 43.0 -0.7			
RAYN	eP				
comp-Z,17nm,1.1s					
RAYN	51.85 274	01 21 42.8 -0.9			
RAYN	iP				
SNR=2					
RAYN	51.85 274	01 21 43.0 -0.7			
RAYN	eP				
comp-Z,17nm,1.1s					
PUL	52.91 322	01 21 50.4 -0.6			
PUL	eP				
comp-Z,119nm,0.6s					
PUL	IAMB				
PUL	52.91 322	01 21 51.8 +0.9			
PUL	eP				
comp-Z,105nm,0.6s					
SIM	53.32 304	01 21 54.4 +0.1			
SIM	P				
comp-Z,68nm,0.7s					
SIM	S pmax				
comp-Z,700nm,12.0s					
SEVA	53.73 303	01 21 57.6 +0.4			

22d 1h

Table with columns: BEL, Belsk, 59.89 315 eP, P, 01 22 41.4 +0.6, 01 53 03.5, comp=Z,1um,16.5s, etc.

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Table with columns: SKO, Skopje, 63.01 304 iP, P, 01 23 02.7 +0.6, 01 23 10.0 +7.7, LIT, Litokhoron, 63.02 302 LR, LR, etc.

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Table with columns: TIR, Tirane, 64.34 304 P, P, 01 23 10.6 -0.3, 01 23 10.9 -0.0, JAN, Janina, 64.35 302 P, P, 01 23 10.4 -0.7, etc.

FYU	Fort Yukon	66.31	24	PFAKE	LR	01 23 40.0	+17
GRA1	Grafenberg Arr	66.32	315	PFAKE	LR	01 23 40.0	+16
GRFO	Grafenberg	66.32	315	PFAKE	LR	01 23 40.0	+16
WRH	Wood River Hill	66.41	27	PFAKE	LR	01 23 40.0	+16
DUGI	Dugi Otok	66.43	308	iP	P	01 23 23.6	-0.9
MCK	McKinley	66.47	28	PFAKE	LR	01 23 40.0	+16
RND	Reindeer	66.66	28	PFAKE	LR	01 23 40.0	+14
ILAR	Eilson Array	66.69	26	P	P	01 23 24.9	-0.8
ILAR	comp=Z,2.6nm,0.8s,baz=293,slow=6.3,SNR=3.2			PP	PP	01 25 52.0	-0.1
ILAR	comp=Z,0.5nm,0.9s,baz=145,slow=3.8,SNR=4.0			PKPPKP	P	01 51 55.6	-7.3
PRP	Porcupine Dome	66.78	25	PFAKE	LR	01 23 40.0	+14
MATE	Matera	66.80	304	iP	P	01 23 26.7	-0.1
ABTA	Abfattersbach	66.84	312	iP	P	01 23 26.8	-0.3
HDA	Harding Lake	66.86	27	PFAKE	LR	01 23 40.0	+13
HDA	comp=Z,1.1um,20.0s			P	P	01 23 25.6	-1.2
WTTA	Wattenberg	67.14	312	iP	P	01 23 29.6	+0.5
WATA	Walderalm	67.15	312	iP	P	01 23 29.3	-1.0
DHY	Denali Highway	67.41	28	PFAKE	LR	01 23 40.0	+10
HOM	Homer	67.41	32	PFAKE	LR	01 23 40.0	+10
TIP	Timpagrande	67.42	303	iP	P	01 23 31.0	+0.1
SQTA	Sankt Quirin	67.42	313	iP	P	01 23 31.2	+0.3
MOTA	Moosalm	67.43	313	iP	P	01 23 31.1	+0.2
CTA	Charters Tower	67.48	137	P	P	01 23 30.3	-1.0
CTAO	Charters Tower	67.48	137	eP	P	01 23 31.3	+0.1
CTAO	comp=Z,3.38nm,1.0s			pmx	pmx	01 23 31.3	+0.1
RETA	Reutt	67.57	313	iP	P	01 23 31.9	+0.2
CNPM	China Poot	67.65	32	PFAKE	LR	01 23 40.0	+8.1
BRLK	Bradley Lake	67.69	32	PFAKE	LR	01 23 40.0	+7.8
LRW	Lerwick	67.70	329	eP	P	01 23 32.1	0.0
LRW	comp=Z,4.1nm,0.8s			IAMB	IAMB	01 23 32.7	
SML	Sawmill	67.70	29	PFAKE	LR	01 23 40.0	+7.8
WTSB	Winterswijk	67.79	318	eP	P	01 23 32.7	-0.2
FETA	Feichten	67.81	312	iP	P	01 23 33.4	+0.1
KNK	Knik Glacier	67.86	30	PFAKE	LR	01 23 50.0	+17
STU	Stuttgart	67.92	315	PFAKE	LR	01 23 50.0	+16
RIDG	Independent Ri	68.00	27	PFAKE	LR	01 23 50.0	+16
SCM	Sheep Creek Mo	68.09	29	PFAKE	LR	01 23 50.0	+15
SEW	Seward	68.13	31	PFAKE	LR	01 23 50.0	+15
SCRK	Sand Creek	68.18	26	PFAKE	LR	01 23 50.0	+15
PAX	Paxson	68.20	27	PFAKE	LR	01 23 50.0	+15
DAVA	Damuels	68.20	313	iP	P	01 23 35.8	0.0
AQU	Aquila	68.25	307	iP	P	01 23 36.9	+0.9
NWAO	Narogin (SRO)	68.25	168	P	P	01 23 35.5	-0.3
NWAO	comp=Z,2.6nm,0.7s,baz=349,slow=7.0,SNR=14			eP	P	01 23 35.7	-0.1
NWAO	Narogin (SRO)	68.25	168	eP	P	01 23 35.7	-0.1
DOT	Dot Lake	68.34	26	PFAKE	LR	01 23 50.0	+14
SCO	Scobesburynd	68.39	343	iP	P	01 23 36.8	+0.5
SCO	Scobesburynd	68.39	343	iP	P	01 23 36.8	+0.5
BFO	Black Forest	68.63	315	eP	P	01 23 38.5	+0.2
GLI	Glacier Island	68.70	30	PFAKE	LR	01 23 50.0	+12
FORT	Forrest	68.78	158	eP	P	01 23 39.0	-0.1
HGN	Heimatsgroeve	68.84	318	eP	P	01 23 40.0	+0.5
INK	Inuvik	68.87	20	PFAKE	LR	01 23 50.0	+11
MEM	Membach	68.88	317	iP	P	01 23 40.1	+0.4
MENT	Menasta	68.88	27	PFAKE	LR	01 23 50.0	+10
BEBN	Eben Emael	68.97	318	iP	P	01 23 40.8	+0.6
FID	Port Fidalgo	69.03	30	PFAKE	LR	01 23 50.0	+10
EPYK	Eagle Plains	69.19	22	PFAKE	LR	01 23 50.0	+8.5
EPYK	Eagle Plains	69.19	22	P	P	01 23 41.1	-0.4
WLF	Walferdange	69.25	317	PFAKE	LR	01 23 50.0	+7.9
WLF	Walferdange	69.25	317	iP	P	01 23 43.1	+1.1
VLC	Villacollemand	69.35	310	PFAKE	LR	01 23 50.0	+7.2
BCLA	Clavier	69.36	318	iP	P	01 23 43.2	+0.5
UCC	Uccle	69.69	318	PFAKE	LR	01 24 00.0	+15
BIGH	Upper Bighouse	69.76	328	eP	P	01 23 44.7	-0.1
BIGH	comp=Z,1.14nm,1.3s			IAMB	IAMB	01 23 46.4	+0.5
DAWY	Dawson	69.76	25	PFAKE	LR	01 24 00.0	+15
SNF	Seneffe	69.88	318	iP	P	01 23 46.4	+0.5

DOU	Dourbes	69.92	317	iP	P	01 23 46.7	+0.5
RAGM	Ragged Mountain	69.97	30	PFAKE	LR	01 24 00.0	+14
DRUM	Mains of Drum	69.98	326	eP	P	01 23 46.5	0.0
SUMG	Summit	70.07	349	iP	P	01 23 47.2	0.0
SUMG	Summit	70.07	349	iP	P	01 23 47.2	0.0
HMT	Hamilton	70.17	29	PFAKE	LR	01 24 00.0	+12
SENI	Lac Senin/Sane	70.20	313	PFAKE	LR	01 24 00.0	+12
KAIM	Kayak Island	70.34	30	PFAKE	LR	01 24 00.0	+11
MRIV	Mauritius Mete	70.34	227	eP	P	01 23 48.0	-1.1
CRQM	Cirque	70.37	29	PFAKE	LR	01 24 00.0	+11
EDU	Dundee	70.42	326	eP	P	01 23 49.3	+0.1
KULLO	Kullorsuaq	70.43	355	iP	P	01 23 49.7	+0.8
KULLO	comp=Z,1.20nm,0.9s			pmx	pmx	01 23 49.7	+0.8
TGL	Tana Glacier	70.49	29	PFAKE	LR	01 24 00.0	+10
ESY	Stoneypath	70.58	325	eP	P	01 23 49.9	-0.2
CLTB	Caltabiotta	70.63	303	PFAKE	LR	01 24 00.0	+9.1
WACR	West Ace	70.70	321	eP	P	01 23 50.3	-0.5
WACR	comp=Z,2.47nm,1.1s			IAMB	IAMB	01 23 51.8	
LMK	Market Rasen	70.80	322	eP	P	01 23 51.7	+0.2
LMK	comp=Z,1.89nm,1.1s			IAMB	IAMB	01 23 52.1	
EDI	Edinburgh	70.85	325	eP	P	01 23 51.7	0.0
EBL	Broad Lew	70.86	325	eP	P	01 23 51.7	-0.2
EDMD	Edmundbyers	70.87	324	eP	P	01 23 51.4	-0.5
KAC	Achnashellach	70.93	327	eP	P	01 23 51.9	-0.3
CTGM	Chitina Glacie	70.95	28	PFAKE	LR	01 24 00.0	+7.5
LPL	La Plagne	70.96	312	eP	P	01 23 52.7	-0.2
EAU	Auchinoon	71.02	325	eP	P	01 23 52.9	+0.1
HPK	Haverah Park	71.18	323	eP	P	01 23 53.7	-0.1
KPL	Plocton	71.18	327	eP	P	01 23 53.4	-0.3
ESK	Eskdalemuir	71.19	325	eP	P	01 23 53.8	0.0
ESK	Eskdalemuir	71.19	325	eP	P	01 23 53.8	0.0
BNI	Bardonecchia	71.22	312	PFAKE	LR	01 24 10.0	+16
EAB	Aberfoyle	71.24	326	eP	P	01 23 54.0	-0.1
ELSH	Eiham, Stander	71.26	320	eP	P	01 23 54.6	+0.3
BHH	Howata Hill	71.33	325	eP	P	01 23 54.9	+0.2
PGBU	Glenfiferbraes	71.52	326	eP	P	01 23 56.0	+0.2
LBWR	Ladybowler, Pea	71.53	323	eP	P	01 23 55.5	-0.4
KESW	Keswick	71.55	324	eP	P	01 23 56.0	-0.1
CWF	Charnwood Fore	71.68	322	eP	P	01 23 56.3	-0.6
KMBO	Kilima Mbogo	71.82	256	eP	P	01 23 59.1	+0.5
HMNX	Herinstomceux	71.84	320	eP	P	01 23 58.6	+0.8
PCA	Pinnacel	71.91	28	PFAKE	LR	01 24 10.0	+12
SSF	Saint Saugle	72.09	315	eP	P	01 23 58.2	-1.2
BCPM	Bancas Point	72.24	28	PFAKE	LR	01 24 10.0	+10
IOMK	Kirk Michael	72.44	324	eP	P	01 24 01.4	0.0
FOEL	Foel Wyifa	72.56	323	eP	P	01 24 01.8	-0.3
WIM	Wim	72.56	324	eP	P	01 24 02.6	+0.5
HLM1	Lang Mynd	72.60	322	eP	P	01 24 02.2	-0.2
SWN1	Swindon	72.61	321	eP	P	01 24 02.4	0.0
STRD	Stroud	72.65	321	eP	P	01 24 02.8	+0.2
LLW	Llanuwchllyn	72.81	323	eP	P	01 24 03.6	0.0
YLL	Llanberis	72.89	323	eP	P	01 24 03.9	-0.2
WLF1	Wylfa	72.92	323	eP	P	01 24 03.4	-0.8
BATH	Bath	72.93	321	eP	P	01 24 04.2	-0.1
MONM	Monmouth	72.95	322	eP	P	01 24 04.4	0.0
MCH1	Michaelchurch	72.96	322	eP	P	01 24 04.3	-0.2
YRC	Rhoslyn	73.03	324	eP	P	01 24 03.8	-1.0
GMM	Mts of Mourne	73.12	325	eP	P	01 24 05.2	-0.2
RSBS	Rosebush, Pemb	73.87	322	eP	P	01 24 09.6	-0.2

DSB	Dublin	73.91	324	PFAKE	LR	01 24 20.0	+10
CAF	Calviac	74.08	314	eP	P	01 24 11.0	-0.3
JSA	Saint Aubin	74.12	319	eP	P	01 24 11.2	-0.1
SKAG	Skagway	74.22	27	PFAKE	LR	01 24 20.0	+8.3
KEST	Kesra	74.24	303	P	P	01 24 12.2	-0.3
HTL	Harland	74.30	322	eP	P	01 24 12.3	0.0
MFF	Saint Martin d	74.45	316	eP	P	01 24 12.9	-0.4
IWEX	Carrickbyrne	74.62	324	eP	P	01 24 14.5	+0.3
STKA	Stevens Creek	74.88	148	P	P	01 24 15.2	-0.6
ILULI	Ilulissat	74.93	351	iP	P	01 24 15.8	+0.1
BESE	Bessie Mountai	75.00	28	PFAKE	LR	01 24 30.0	+14
JIS	Juneau Island	75.39	28	PFAKE	LR	01 24 30.0	+11
SIT	Sitka	75.85	29	eP	P	01 24 25.1	-1.6
ABPO	Ambohimpnan	75.96	235	eP	P	01 24 22.1	-0.5
MBAR	Mbarara	76.76	260	eP	P	01 24 27.6	+0.3
SFJD	Kangerlussuaq	76.95	350	eP	P	01 24 26.4	-0.8
SFJD	comp=Z,8.2nm,1.1s			MLR	MLR	01 24 26.4	-0.8
YKA	Yellowknife Ar	76.95	350	iP	P	01 24 27.1	-0.1
YKA	comp=Z,3.6nm,0.7s,baz=332,slow=5.4,SNR=66			PKK	PKK	01 24 35.4	+0.2
ESDC	Sonseca Array	80.76	312	P	P	01 24 48.9	+0.1
ESDC	comp=Z,5.8nm,0.8s,baz=45,slow=5.0,SNR=40			PKK	PKK	01 23 47.4	+0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DVHZ, TSZ, OKCZ, CRLZ, etc.

WEL 22 06:48:00.1, 42'S, 174'E, h0km, 2km, M3.4/14, ML3.7/12, MLV4/14, Error ellipse: s-maj=0.0km s-min=0.0km az=136.5, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CMWZ, TUWZ, BSWZ, etc.

ISCJB 22 06:50:44.0, 0.4, 4.50S:0.03:35.93E:0.06, h10km, mb4.0/10, Error ellipse: s-maj=8.3km s-min=4.8km az=3.2

ISC 22 06:50:44.5, 0.4, 4.53S:35.93E, h10km, mb3.9/9, Error ellipse: s-maj=25.8km s-min=18.4km az=102.0

NEIC 22 06:50:45.6, 2.1, 4.49S:35.93E, h10km, km, mb4.3/2, Error ellipse: s-maj=14.6km s-min=10.0km az=142.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KOND, KIB, KMB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KKAR, ESDC, MK32, etc.

ISCJB 22 07:01:41.3, 0.1, 4.61S:0.03:35.21E:0.04, h3km, mb5.7/214, MS6.0/611, Error ellipse: s-maj=4.3km s-min=3.5km az=154.8

MOS 22 07:01:41.6, 1.5, 4.6:17S:34.91E, h10km, mb5.9/59, MS6.0/60, Error ellipse: s-maj=13.6km s-min=6.0km az=88.8

IDC 22 07:01:41.2, 0.3, 4.6:13S:34.87E, h0km, mb5.2/25, mb1.5/4.25, mb1mx3.6/29, mbtmp5.2/25, MS5.8/26, Ms1.5/8.26, ms1mx5.6/29, Error ellipse: s-maj=13.8km s-min=11.9km az=64.0

BUI 22 07:01:42.6, 0.0, 4.6:04S:34.78E, h20km, mb5.7/23, MS6.2/42, Ms6.1/42, Ms7.5/41

NEIC 22 07:01:42.5, 2.3, 4.6:05S:34.78E, h10km, mb5.8/140, ME7.2, MS6.0/607, MW6.1, MW6.3, Error ellipse: s-maj=12.5km s-min=9.2km az=172.0, Moment Tensor Solution. s17, Moment tensor: Scale 1018Nm; Mr=0.13; Mxx1.44; Myy-1.31; Mzz0.08; Mxy1.56; Myz0.09; Best double couple: M=1.0000x1018 NP1:3p2.21.000000, s89.000000, s1.77.000000. NP2:3p1.11.000000, s87.000000, s1.1.000000. Principal axes: T 2.1400, Plg3.0000, Azm336.0000; N -0.1300, Plg87.0000, Azm184.0000; P -2.0100, Plg2.0000, Azm65.0000. Broadband fault plane solution: P waves: NP1:189.000000, s83.000000, s1.75.000000. NP2:280.000000, s85.000000, s1.7.000000. Principal axes: T Plg8.0000; Azm145.0000; N Plg0.0000, Azm0.0000; P Plg1.0000, Azm55.0000; Apparent Stress: 1.19 MPa. Depth from synthetics of synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC 22 07:01:42.0, 0.0, 4.5:84S:34.83E, h13km, Moment Tensor Solution. s21, Moment tensor: Scale 1018Nm; Mr0.03; Mxx1.96; Myy-1.98; Mzz-0.96; Mxy2.26; Myz-0.01; Best double couple: M=3.10000x1018 NP1:3p291.000000, s84.000000, s1.16.000000. NP2:3p200.000000, s74.000000, s1.74.000000. Principal axes: T 3.2300, Plg15.0000, Azm156.0000; N -0.1600, Plg72.0000, Azm309.0000; P -3.0600, Plg7.0000, Azm64.0000.

GCMT 22 07:01:47.5, 0.0, 4.5:89S:34.93E, h21km, MW6.3/150, Moment Tensor Solution. s150, c338; s150, c614; Duration: 3s4, Moment tensor: Scale 1018Nm; Mr=0.07±0.01; Mxx1.99±0.02; Myy-1.91±0.01; Mzz0.26±0.03; Mxy2.81±0.01; Myz-0.14±0.03; Best double couple: M=3.4300x1018 NP1:3p287.000000, s89.000000, s1.5.000000. NP2:3p17.000000, s85.000000, s1.179.000000. Principal axes: T 3.4680, Plg3.0000, Azm332.0000; N -0.0640, Plg65.0000, Azm94.0000; P -3.3990, Plg4.0000, Azm242.0000. nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

PRE 22 07:01:54.4, 2.4, 4.4:82S:34.51E, h5km, mb5.7, ISC 22 07:01:41.8, 0.6, 4.6:10S:0.04:34.86E:0.04, h3km, 3km, n1674, e2843/1345, mb5.7/234, MS6.0/633, 39C-16D, Prince Edward Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUFB, SOE, ELIM, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BUFB, SOE, ELIM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LBTF, SYO, MSNA, etc.

IPM	Ipho	77.02 69 eP	P	07 13 36.1 0.0
IPM	comp=Z,92nm,1.3s		LR	LR
KULM	Kulim	77.38 69 eP	P	07 13 38.5 +0.3
KULM	comp=Z,3um,18.0s		LR	LR
ASF	Jabal al Asfar	77.92 2 P	P	07 13 42.2 +1.4
ASF	comp=Z,89nm,1.9s			
NGP	Nagpur	77.98 42 iP	P	07 13 41.3 0.0
NGP	comp=Z,5um,18.0s			
STKA	Stephens Creek	78.06 124	x	07 13 41.2 -0.6
STKA	comp=Z,121nm,1.1s,baz=203,slow=4.4,SNR=62			
STKA	Stephens Creek	78.06 124 eP	P	07 13 41.1 -0.6
STKA	comp=Z,3um,19.9s,baz=219,slow=3.1			
STKA	Stephens Creek	78.06 124 eP	P	07 13 41.1 -0.6
STKA	comp=Z,39nm,1.1s			
STKA	Stephens Creek	78.06 124 P	P	07 13 41.1 -0.6
TRIT	Trang	78.70 66 P	P	07 13 46.1 +0.7
TRIT	comp=Z,78,SNR=54			
DGPR	DIGLIPUR	78.71 57 eP	P	07 13 46.0 +0.6
DGPR	comp=Z,2um,2.0s		IAmb	IAmb
PLAI	Plampang	78.80 91 P	P	07 13 46.2 +0.1
PLAI	comp=Z,12nm,1.3s,comp=Z,2um			
KSDI	Kefar Szold	78.92 1 P	P	07 13 48.1 +2.0
KSDI	comp=Z,123nm,1.5s			
BHPL	Bhopal	79.07 39 eP	P	07 13 47.6 +0.4
BHPL	comp=Z,76nm,0.8s		IAmb	IAmb
ASAR	Alice Springs	79.26 113 P	P	07 13 47.0 -1.6
ASAR	comp=Z,35nm,0.9s,baz=214,slow=5.9,SNR=99			
ASAR	Alice Springs	79.26 113 P	P	07 13 47.0 -1.6
ASAR	comp=Z,5um,20.7s,baz=234,slow=30			
AS31	Alice Springs	79.26 113 eP	P	07 13 47.3 -1.3
AS31	comp=Z,10.0nm,0.9s			
LCO	Las Campanas	79.46 239 eP	P	07 13 48.8 -1.1
LCO	comp=Z,10nm,1.2s			
LCO	Las Campanas	79.46 239 eP	P	07 13 48.8 -1.1
LCO	comp=Z,110nm,1.2s		pmax	pmax
LCO	Wether Hill Ro	79.52 149 eP	P	07 13 48.7 -1.1
LCO	comp=Z,131nm,1.0s			
WHZ	Deep Cove	79.59 148 eP	P	07 13 49.5 -0.4
WHZ	comp=Z,4um,20.0s		LR	LR
DCZ	DCZ	79.59 131 eP	P	07 13 50.4 +0.2
DCZ	comp=Z,5um,20.0s		LR	LR
CAN	Canberra	79.59 131 eP	P	07 13 50.4 +0.2
CAN	comp=Z,119nm,1.3s			
CAN	Canberra	79.59 131 eP	P	07 13 50.4 +0.2
CAN	comp=Z,4um,22.0s		MLR	MLR
CAN	Canberra Magne	79.79 131 P	P	07 13 51.6 +0.3
CAN	comp=Z,80,SNR=12			
MLZ	Mavora Lakes	80.03 149 eP	P	07 13 52.5 +0.1
MLZ	comp=Z,88nm,1.1s			
MLZ	Young	80.05 130 P	P	07 13 53.3 +0.6
MLZ	comp=Z,6um,20.0s			
YNG	Young	80.05 130 P	P	07 13 53.3 +0.6
YNG	comp=Z,80,SNR=18			
JBP	Jabalpur	80.16 411 eP	x	07 13 51.6 -1.5
JBP	comp=Z,119nm,1.3s			
GO03	Copiap	80.21 240 PFAKE	LR	07 14 00.0 +6.3
GO03	comp=Z,3um,22.0s			
BWNR	Bhubaneswar	80.56 48 eP	P	07 13 55.2 -0.1
BWNR	comp=Z,62nm,0.7s		IAmb	IAmb
CMSA	Cobar Meteorol	80.65 126 P	P	07 13 55.8 -0.1
CMSA	comp=Z,80,SNR=24			
CSS	Mathiasis	80.70 359 eP	P	07 13 59.3 +3.5
CSS	comp=Z,157nm,1.5s			
CSS	Mathiasis	80.70 359 eP	P	07 13 59.3 +3.5
CSS	comp=Z,157nm,1.5s			
CSS	Mathiasis	80.70 359 P	P	07 13 57.2 +1.4
CSS	comp=Z,19nm,2.5s			
WKZ	Wanaka	80.82 149 eP	P	07 13 56.9 +0.3
WKZ	comp=Z,191nm,1.1s			
LEF	Lefka	80.86 358 eP	P	07 14 01.1 +4.5
LEF	comp=Z,6um,21.0s			
KSM	Kuching	81.00 78 eP	P	07 13 58.0 +0.1
KSM	comp=Z,110nm,1.4s			
KSM	Gavdhos	81.15 351 eP	P	07 14 03.0 +4.9
KSM	comp=Z,4um,20.0s			
GVD	Gavdhos	81.15 351 eP	P	07 14 03.0 +4.9
GVD	comp=Z,89nm,1.1s			
ODZ	Odtaua Downs	81.20 149 eP	P	07 13 58.8 +0.1
ODZ	comp=Z,89nm,1.1s			
ODZ	Zakros	81.21 353 eP	P	07 14 03.7 +5.2
ODZ	comp=Z,4um,21.0s			
ZKR	Zakros	81.21 353 eP	P	07 14 03.7 +5.2
ZKR	comp=Z,4um,21.0s			
EREN	Erenkoy	81.25 359 eP	P	07 14 03.5 +4.8
EREN	comp=Z,8um,18.0s			
IDI	Anoyia	81.51 352 eP	P	07 14 05.3 +5.2
IDI	comp=Z,8um,18.0s			
KNRA	Kunumura	81.83 359 eP	P	07 14 01.2 +0.4
KNRA	comp=Z,82,SNR=7.8			
KARP	Karpathos	81.56 354 eP	P	07 14 00.4 +6.2
KARP	comp=Z,370nm,1.5s			
KARP	Karpathos	81.56 354 eP	P	07 14 00.0 -0.4
KARP	comp=Z,3um,20.0s			
KARP	Karpathos	81.56 354 eP	P	07 14 00.0 -0.4
KARP	comp=Z,3um,20.0s			
EDFI	Ende, Flores	81.57 94 P	P	07 14 01.1 -0.1
EDFI	comp=Z,72nm,1.1s,comp=Z,2um			
GO02	Mina Guanaco	81.59 243 eP	P	07 14 01.0 -0.4
GO02	comp=Z,33nm,0.8s			
GO02	Lake Benmore	82.01 149 eP	P	07 14 00.6 -0.2
GO02	comp=Z,3um,19.0s			
LBZ	Lake Benmore	82.01 149 eP	P	07 14 00.6 -0.2
LBZ	comp=Z,84nm,0.9s			
IMMV	Iera Moni Meta	81.77 351 eP	P	07 14 06.5 +5.0
IMMV	comp=Z,4um,20.0s			
IMMV	Iera Moni Meta	81.77 351 eP	P	07 14 05.7 +4.2
IMMV	comp=Z,4um,20.0s			
CHAN	Chanja	81.82 351 P	P	07 14 06.3 +4.6
CHAN	comp=Z,4um,20.0s			
TEKE	Tekeli-Mersin	81.83 359 eP	P	07 14 05.9 +3.8
TEKE	comp=Z,4um,20.0s			
AKKU	Akkuyu-Mersin	81.89 359 eP	P	07 14 04.2 +4.2
AKKU	comp=Z,4um,20.0s			
IKL	Isikli	81.96 359 eP	P	07 14 06.2 +3.8
IKL	comp=Z,4um,20.0s			
KSL	Kastellorizon	82.01 356 P	P	07 14 06.7 +4.0
KSL	comp=Z,4um,20.0s			
MMRI	Maumere	82.03 94 eP	P	07 14 03.4 0.0
MMRI	comp=Z,179nm,1.3s			
MMRI	Maumere	82.03 94 P	P	07 14 05.3 +1.8
MMRI	comp=Z,116nm,0.9s			
BERE	Bereket-Mersin	82.08 359 eP	P	07 14 07.5 +4.3
BERE	comp=Z,116nm,0.9s			
AKAS	Kas	82.09 356 eP	P	07 14 05.7 +2.4
AKAS	comp=Z,116nm,0.9s			
SILI	Siliifke-Mersin	82.09 359 eP	P	07 14 07.4 +4.3
SILI	comp=Z,116nm,0.9s			
ARG	Arkhangelos	82.16 355 eP	P	07 14 08.1 +4.6
ARG	comp=Z,116nm,0.9s			
ARG	Arkhangelos	82.16 355 P	P	07 14 07.4 +3.9
ARG	comp=Z,116nm,0.9s			
TEVE	Teve-Kalifi-Mers	82.16 359 eP	P	07 14 06.9 +3.3
TEVE	comp=Z,116nm,0.9s			
KEBE	Keben-Mersin	82.17 359 eP	P	07 14 06.7 +3.1
KEBE	comp=Z,116nm,0.9s			
KIZK	Mersin	82.20 359 eP	P	07 14 07.7 +4.0
KIZK	comp=Z,116nm,0.9s			
WR1	Warramunga Arr	82.20 111 P	P	07 14 03.2 -1.1
WR1	comp=Z,32nm,0.9s,baz=221,slow=4.8,SNR=46			
WR1	Warramunga Arr	82.20 111 P	P	07 14 03.2 -1.1
WR1	comp=Z,32nm,0.9s,baz=221,slow=4.8,SNR=46			
WB2	Warramunga Arr	82.21 111 eP	P	07 14 03.3 -1.1
WB2	comp=Z,79nm,1.1s			
WB2	Warramunga Arr	82.21 111 eP	P	07 14 03.3 -1.1
WB2	comp=Z,79nm,1.1s			
WC3	Warramunga Arr	82.21 111 eP	P	07 14 03.6 -0.8
WC3	comp=Z,5um,18.0s			
WC1	Warramunga Arr	82.21 111 PFAKE	LR	07 14 20.0 +1.6
WC1	comp=Z,7.9nm,1.1s			
WRAB	Tennant Creek	82.22 111 eP	P	07 14 03.3 -1.1
WRAB	comp=Z,3um,20.0s			
WRAB	Tennant Creek	82.22 111 eP	P	07 14 03.3 -1.1
WRAB	comp=Z,73nm,1.2s			
WRAB	Tennant Creek	82.22 111 eP	P	07 14 03.3 -1.1
WRAB	comp=Z,8um,22.0s		pmax	pmax
WRAB	Tennant Creek	82.22 111 eP	P	07 14 03.3 -1.1
WRAB	comp=Z,73nm,1.2s			
WRAB	Tennant Creek	82.22 111 eP	P	07 14 03.3 -1.1
WRAB	comp=Z,8um,22.0s			
FOZ	Fox Glacier	82.22 149 eP	P	07 14 03.4 -0.6
FOZ	comp=Z,121nm,0.9s			
FOZ	Fox Glacier	82.22 149 eP	P	07 14 03.4 -0.6
FOZ	comp=Z,121nm,0.9s			

WC2	Warramunga Arr	82.23 111 PFAKE	LR	07 14 20.0 +1.6
WC2	comp=Z,6um,21.0s			
ANKY	Ankylira Is	82.25 351 P	P	07 14 08.6 +4.7
ANKY	comp=Z,5um,18.0s			
KRTS	Karatas	82.29 0 eP	P	07 14 03.8 +4.2
KRTS	comp=Z,5um,18.0s			
MGCO	Mangrove Creek	82.33 131 P	P	07 14 05.8 +1.0
MGCO	comp=Z,5um,18.0s			
RPZ	Rata Peaks	82.51 150 eP	P	07 14 05.6 0.0
RPZ	comp=Z,110nm,1.0s			
RPZ	Rata Peaks	82.51 150 eP	P	07 14 10.1 +4.7
RPZ	comp=Z,5um,18.0s			
FETY	Fethiye	82.52 355 eP	P	07 14 19.2 +1.4
FETY	comp=Z,5um,18.0s			
YURE	Yuregir	82.55 eP	P	07 14 19.2 +1.4
YURE	comp=Z,5um,18.0s			
MERS	Mersin	82.59 356 eP	P	07 14 09.7 +4.1
MERS	comp=Z,5um,18.0s			
ELL	Elmalı	82.59 356 eP	P	07 14 09.7 +3.8
ELL	comp=Z,5um,18.0s			
SOEI	Soe	82.65 96 eP	P	07 14 06.8 -0.1
SOEI	comp=Z,154nm,1.4s			
SOEI	Soe	82.65 96 P	P	07 14 10.4 +3.6
SOEI	comp=Z,6um,20.0s			
SOEI	Soe	82.65 96 P	P	07 14 10.8 +4.7
SOEI	comp=Z,118nm,1.6s,comp=Z,2um			
KTHA	Kythira Island	82.66 350 P	P	07 14 10.8 +4.7
KTHA	comp=Z,118nm,1.6s,comp=Z,2um			
KTHA	Kythira	82.67 350 eP	P	07 14 10.4 +4.1
KTHA	comp=Z,118nm,1.6s,comp=Z,2um			
ANTB	Antib	82.70 357 eP	P	07 14 10.6 +4.1
ANTB	comp=Z,118nm,1.6s,comp=Z,2um			
DAT	Datca	82.71 354 eP	P	07 14 11.2 +4.8
DAT	comp=Z,118nm,1.6s,comp=Z,2um			
DALY	Dalyan (Mula)	82.72 355 eP	P	07 14 11.2 +4.8
DALY	comp=Z,118nm,1.6s,comp=Z,2um			
CEYT	Ceyhan	82.73 1 eP	P	07 14 11.2 +4.8
CEYT	comp=Z,118nm,1.6s,comp=Z,2um			
TURN	Turunc	82.78 355 eP	P	07 14 11.2 +4.5
TURN	comp=Z,118nm,1.6s,comp=Z,2um			
KORT	Kortum	82.82 90 eP	P	07 14 07.0 -0.9
KORT	comp=Z,30nm,1.1s,baz=217,slow=5.6,SNR=8.9			
KAPI	Kappang	82.87 90 eP	P	07 14 07.0 -0.9
KAPI	comp=Z,100nm,1.5s			
KAPI	Kappang	82.87 90 P	P	07 14 07.5 -0.4
KAPI	comp=Z,30nm,1.1s,baz=217,slow=5.6,SNR=8.9			
KAPI	Kappang	82.87 90 P	P	07 14 07.5 -0.4
KAPI	comp=Z,100nm,1.5s			
KAPI	Kappang	82.87 90 P	P	07 14 07.5 -0.4
KAPI	comp=Z,30nm,1.1s,baz=217,slow=5.6,SNR=8.9			
BKSI	Butukumba	82.91 90 P	P	07 14 08.0 0.0
BKSI	comp=Z,58nm,2.1s,comp=Z,1um			
AMGA	Amorgos Island	82.94 353 P	P	07 14 11.2 +3.6
AMGA	comp=Z,58nm,2.1s,comp=Z,1um			
KARA	Karaisali	82.98 0 eP	P	07 14 11.8 +4.1
KARA	comp=Z,58nm,2.1s,comp=Z,1um			
SBUM	Sibu	83.01 79 eP	P	07 14 08.2 -0.4
SBUM	comp=Z,32nm,1.3s			
SBUM	Sibu	83.01 79 eP	P	07 14 09.1 +0.1
SBUM	comp=Z,32nm,1.3s			
LVC	Limon Verde	83.02 245 eP	P	07 14 09.1 +0.1
LVC	comp=Z,2um,21.0s			
LVC	Limon Verde	83.02 245 eP	P	07 14 09.1 +0.1
LVC	comp=Z,2um,21.0s			
LVC	Limon Verde	83.02 245 eP	P	07 14 09.8 +0.8
LVC	comp=Z,60nm,0.9s			
BODT	Bodrum	83.06 354 eP	P	07 14 12.5 +4.3
BODT	comp=Z,60nm,0.9s			
BODT	Bodrum	83.06 354 eP	P	07 14 10.1 +1.9
BODT	comp=Z,60nm,0.9s			
YER	Yerkesik	83.06 355 eP	P	07 14 13.2 +5.0
YER	comp=Z,60nm,0.9s			
YER	Yerkesik	83.06 355 eP	P	07 14 11.6 +3.4
YER	comp=Z,60nm,0.9s			
MOZ	McQueen's Vall	83.07 151 eP		

Table with columns: GNI, comp-Z, 119nm, 1.4s, pmax, pmax, GNI, comp-Z, 10um, 21.0s, 86.32, 8 P, P, 07 14 26.4 +1.7, etc.

Table with columns: MELI, Melilla, 87.89, 330 P, S, 07 14 35.8 +3.5, etc.

Table with columns: TIRR, comp-Z, 14um, 20.0s, LR, LR, TIRR, comp-Z, 14um, 20.0s, 90.35, 355 P, P, 07 14 45.6 +2.0, etc.

PNCL	Nicolau / Gran	92.44 327	ePP	PP	07 18 36.7 +1.7	PERS	SOKA	Soboth	iSS	SS	07 32 28.9 -2.5	SQTA	comp=Z,17nm,1.3s	iPP	PP	07 18 55.3 -1.4		
VLC	Villacollemand	92.45 343	PFake	LR	07 15 00.0 +6.6	SOKA	Soboth	comp=Z,42nm,1.5s,SNR=7.7	iPP	PP	07 15 04.4 +3.8	YVHS	Yyhne	95.24 349	iP	P	07 15 08.8 +2.7	
UCM	Universidad Co	92.52 332	eP	P	07 14 55.7 +1.8	MTE	Manteigas	comp=Z,17nm,1.6s	ePP	PP	07 18 47.8 +0.5	YVHS	Yyhne	95.24 349	eP	P	07 15 10.4 +2.0	
SIRR	Siria	92.71 351	iPP	P	07 14 56.1 +1.6	MTE	Manteigas	comp=Z,55nm,1.9s	ePP	PP	07 15 05.6 +4.5	WATA	Walderalm	95.26 344	iPP	P	07 15 08.8 +2.7	
RIY	Rijeka	92.80 346	eP	P	07 14 58.8 +3.9	MTE	Manteigas	comp=Z,17nm,1.6s	ePP	PP	07 18 47.9 +0.1	MOA	Molin	95.28 346	iPcP	P	07 15 08.2 +1.9	
PTGA	Pitinga	92.83 266	eP	P	07 14 56.5 +0.5	MTE	Manteigas	comp=Z,7um,18.0s	eSR	SKSac	07 25 44.3 +7.8	MOA	comp=Z,38nm,1.5s,SNR=7.9	iPP	PP	07 18 56.3 -0.8		
PTGA	comp=Z,4um,21.0s					MTE	Manteigas	comp=Z,7um,18.0s	PFake	LR	07 15 10.0 +8.9	MOA	comp=Z,15nm,1.1s	iPP	PP	07 25 47.6 +5.1		
BOUS	Bojanci	92.83 266	eP	P	07 14 56.6 +0.6	MTE	Manteigas	comp=Z,7um,20.0s	LR	LR		FRU1	Bishkek	95.32 28	PFake	LR	07 15 20.0 +1.3	
BOUS		92.84 346	iP	P	07 14 59.0 +1.8	BNI	Bardonecchia	comp=Z,36nm,1.5s	eP	P	07 15 00.3 -0.8	FRU1	comp=Z,6um,20.0s	iP	P	07 15 10.2 +3.7		
BOUS			iPP	PP	07 18 48.2 +0.1	BNI	Bardonecchia	comp=Z,18um,21.0s	LR	LR		MODS	Modra-Piesok	95.33 348	iP	P	07 15 10.2 +3.7	
BOUS			eSKSac	SKSac	07 25 33.0 +3.8	BNI	Bardonecchia	comp=Z,36nm,1.5s	LR	LR		MODS	Modra-Piesok	95.33 348	eP	P	07 15 10.2 +3.7	
BOUS			iS	SS	07 26 07.9 +5.1	BNI	Bardonecchia	comp=Z,18um,21.0s	eP	P	07 15 00.4 -0.8	MOTA	Moosalm	95.36 344	iP	P	07 15 10.0 +3.1	
BOUS			iPS	SS	07 27 14.9 +1.6	BNI	Bardonecchia	comp=Z,36nm,1.5s	eP	P	07 15 00.4 -0.8	MOTA	comp=Z,12nm,1.1s	iPP	PP	07 18 56.6 -1.3		
BOUS			eSP	SS	07 27 19.5 +6.5	BNI	Bardonecchia	comp=Z,36nm,1.5s	eP	P	07 15 05.9 +4.7	PCAB	Cabrill	95.41 329	eP	P	07 15 11.2 +4.1	
BOUS			eSS	SS	07 32 10.9 -4.3	BNI	Bardonecchia	comp=Z,36nm,1.5s	eP	P	07 15 06.6 +4.9	PCAB	comp=Z,41nm,1.5s	95.41 329	ePP	PP	07 18 57.6 -0.6	
KSH	Kashi	92.84 31	P	P	07 14 53.5 -2.0	PCAS	Casmilo, Conde	comp=Z,82nm,1.7s	ePP	PP	07 18 48.4 +0.2	BOOM	Boomskeye usch	95.47 29	PFake	LR	07 15 20.0 +1.2	
KSH			pP	PP	07 14 59.1 +4.2	PCAS	Casmilo, Conde	comp=Z,82nm,1.7s	ePP	PP	07 18 48.4 +0.2	BOOM	comp=Z,5um,19.0s	iPP	P	07 15 11.4 +3.7		
KSH			pP	PP	07 15 01.0 +0.1	CSK	Cskako	94.21 349	eP	P	07 15 04.6 +3.1	DAVA	Damuless	95.54 343	iPP	P	07 18 58.7 -0.6	
KSH			pP	PP	07 18 38.1 -0.2	CSK	Cskako	94.21 349	eP	P	07 15 04.6 +3.1	DAVA	comp=Z,55nm,1.4s	iPP	PP	07 25 50.4 +6.2		
KSH			SKS	SKSac	07 25 26.9 -2.9	MYKA	Terra Mystica	comp=Z,7.9nm,1.1s	iPP	PP	07 18 49.7 +0.8	RETA	Reutte	95.56 344	iPcP	P	07 15 10.2 +2.5	
KSH			SKS	SKSac	07 25 53.0 +4.9	MYKA	Terra Mystica	comp=Z,7.9nm,1.1s	iPP	PP	07 18 49.7 +0.8	RETA	comp=Z,36nm,1.4s,SNR=9.6	iPP	PP	07 18 59.7 +0.3		
KSH			SS	SS	07 26 02.9 +1.9	MYKA	Terra Mystica	comp=Z,7.9nm,1.1s	iPP	PP	07 18 49.7 +0.8	RETA	comp=Z,16nm,1.1s	iPP	PP	07 15 48.1 +4.1		
KSH			SS	SS	07 32 11.9 -3.9	MYKA	Terra Mystica	comp=Z,7.9nm,1.1s	iPP	PP	07 18 49.7 +0.8	RETA	comp=Z,0.7nm,0.4s	SKSac	SKSac	07 25 48.1 +4.1		
KSH	comp=Z,13nm,1.2s					MYKA	Terra Mystica	comp=Z,20nm,1.8s	SKSac	SKSac	07 25 41.3 +4.5	KDJ	Kajisay	95.58 30	PFake	LR	07 15 20.0 +1.2	
KSH	comp=Z,55nm,5.8s					BUD	Budapest	comp=Z,3.3nm,1.0s	94.22 349	eP	P	07 15 04.1 +2.6	KDJ	Kajisay	95.58 30	PFake	LR	07 15 20.0 +1.2
KSH	comp=Z,3um,16.0s					COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	eP	P	07 15 06.6 +4.9	PGAV	Gavireira, Arco	95.72 329	eP	P	07 15 12.8 +4.2
KSH	comp=Z,3um,15.4s					COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	eP	P	07 15 06.6 +4.9	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KSH	comp=Z,3um,16.8s					COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 18 49.0 +9.9	PGAV	Gavireira, Arco	95.72 329	eSR	SKSac	07 25 55.5 +1.0
KIS	Kishinev	92.86 356	eP	PP	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	eP	P	07 15 12.8 +4.2
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eP	P	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eP	P	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eP	P	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eP	P	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eP	P	07 14 54.0 -1.2	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePP	PP	07 18 42.0 +3.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	ePS	SS	07 12 14.0 -1.4	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSS	SS	07 32 14.0 -1.5	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eSSS	SS	07 36 12.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95.72 329	ePP	PP	07 19 00.7 0.0
KIS	Kishinev	92.86 356	eLQ	SS	07 45 29.0	COI	Coimbra	comp=Z,101nm,1.9s	94.23 328	PFake	LR	07 15 10.0 +8.3	PGAV	Gavireira, Arco	95			

22d 7h

YSS	e	07 33 25.3			
YSS	eSS	07 40 58.4 +2.5			
YSS	SS				
comp=Z,10.0nm,0.9s	pmax				
YSS	pmax				
BLA	comp=Z,10.0nm,5.1s	132.05 284	PFAKE	LR	07 21 10.0 +13
BLA					
comp=Z,3.0m,22.0s					
GOGA	Godfrey	132.05 277	PFAKE	LR	07 21 10.0 +13
GOGA					
SSPA	Standing Stone	132.12 289	PFAKE	LR	07 21 10.0 +13
SSPA					
252A	Lumpkin	132.12 275	P	PKIKP	07 20 58.3 +0.6
252A					
P56A	Dayton Farm, R	132.18 287	P	PKIKP	07 20 58.2 +0.7
P56A					
TLIG	Tiapa	132.20 249	PFAKE	LR	07 21 10.0 +12
TLIG					
LVIG	Laguna Verde	132.33 253	PFAKE	LR	07 21 10.0 +12
LVIG					
WAKE	Wake Island	132.36 108	PFAKE	LR	07 21 10.0 +12
WAKE					
O56A	Blue Knob Stat	132.65 288	ePKPdf	PKPdf	07 20 56.4 -0.5
O56A		132.41 285	ePKPdf	PKPdf	07 20 57.3 +0.2
R55A					
152A	Waverly Hall	132.50 276	PFAKE	LR	07 21 10.0 +12
152A					
BG3	Lake Jocassee	132.56 280	PFAKE	LR	07 21 10.0 +11
BG3					
US4A	Nelsons Funny	132.63 282	PFAKE	LR	07 21 10.0 +11
US4A					
251A	Midway	132.65 275	P	PKIKP	07 20 58.6 -0.1
251A					
TRQ	Mont Tremblant	132.65 297	ePKPdf	PKPdf	07 20 56.3 -0.9
Y52A	Liburn	132.72 278	PFAKE	LR	07 21 10.0 +11
Y52A					
V53A	Saluda	132.85 280	PFAKE	LR	07 21 10.0 +11
V53A					
N55A	Marion Center	132.91 288	ePKPdf	PKPdf	07 20 57.8 -0.1
N55A					
N55A	Marion Center	132.91 288	P	PKIKP	07 20 58.7 -0.3
N55A					
MCWV	Mont Chateau	132.93 287	PFAKE	LR	07 21 10.0 +11
MCWV					
PECO	Prince Edward	133.13 293	PFAKE	LR	07 21 10.0 +11
PECO					
MMNV	Mt. Morris Dam	133.16 291	PFAKE	LR	07 21 10.0 +11
MMNV					
250A	Grady	133.18 274	PFAKE	LR	07 21 10.0 +10
250A					
L55A	Hinsdale	133.24 290	P	PKIKP	07 21 00.7 +1.0
L55A					
Q54A	Coxs Mills	133.25 285	PFAKE	LR	07 21 10.0 +10
Q54A					
BRAL	Brewton	133.25 273	PFAKE	LR	07 21 10.0 +10
BRAL					
K55A	Perry	133.26 291	P	PKIKP	07 20 59.6 -0.1
K55A					
W52A	Murphy	133.30 279	ePKPdf	PKPdf	07 20 58.1 -0.7
W52A					
V52A	Sevierville	133.48 280	PFAKE	LR	07 21 10.0 +10
V52A					
552A	Otter Lake	133.59 296	P	PKIKP	07 21 00.4 +0.3
552A					
Q53A	Leroy	133.65 285	P	PKIKP	07 21 01.8 +1.3
Q53A					
X51A	Cathoun	133.65 278	PFAKE	LR	07 21 10.0 +9.3
X51A					
Z50A	Ashland	133.66 276	PFAKE	LR	07 21 10.0 +9.2
Z50A					
R53A	Hurricane	133.66 284	PFAKE	LR	07 21 10.0 +9.4
R53A					
N54A	Moraine State	133.67 288	ePKPdf	PKPdf	07 20 59.6 +0.4
N54A		133.69 295	ePKPdf	PKPdf	07 20 58.9 -0.3
PLVO	Plevna				
PLVO					
MEDO	Medina	133.71 292	PFAKE	LR	07 21 10.0 +9.5
MEDO					
M54A	Oil Creek Stat	133.72 289	ePKPdf	PKPdf	07 20 58.2 -1.1
M54A					
T52A	Hallie	133.73 282	PFAKE	LR	07 21 10.0 +9.2
T52A					
DELO	Deloro Mine	133.80 294	PFAKE	LR	07 21 10.0 +9.3
DELO					
TZTN	Tazewell	133.82 281	PFAKE	LR	07 21 10.0 +9.0
TZTN					
P53A	Whipple	133.87 286	PFAKE	LR	07 21 10.0 +9.0
P53A					
J54A	Appleton	133.88 292	PFAKE	LR	07 21 10.0 +9.1
J54A					
CPCT	Cooper Cave	133.90 279	PFAKE	LR	07 21 10.0 +8.8
CPCT					
V51A	Loudon	133.97 280	ePKPdf	PKPdf	07 20 58.5 -1.6
V51A					
N53A	Lisbon	134.15 288	ePKPdf	PKPdf	07 20 59.5 -0.7
N53A					
TIXI	Tiksi	134.15 26	PFAKE	LR	07 21 10.0 +9.5
TIXI					
ERPA	Erie	134.22 290	PFAKE	LR	07 21 10.0 +8.4
ERPA					
LRAL	Lakeview Retre	134.28 275	PFAKE	LR	07 21 10.0 +8.0
LRAL					
W50A	Signal Mountai	134.31 278	PFAKE	LR	07 21 10.0 +7.9
W50A					
Y49A	Blount Mountai	134.34 276	PFAKE	LR	07 21 10.0 +7.9
Y49A					
S51A	Beattville	134.42 282	PFAKE	LR	07 21 10.0 +7.8
S51A					
KUR	Kuril'sk	134.46 66	ePKIKP	PKIKP	07 21 01.4 -0.5
KUR					
O52A	Adamsville	134.48 286	eSS	SS	07 21 04.2 +1.5
O52A					
X49A	Woodville	134.64 277	P	PKPdf	07 21 01.5 +0.2
X49A					
U50A	Jamestown	134.64 280	P	PKPdf	07 21 01.0 -0.2
U50A					
G53A	Halburton	134.71 294	P	PKIKP	07 21 03.2 +0.7
G53A					
SWET	Sewanee	134.75 278	PFAKE	LR	07 21 10.0 +7.0
SWET					
M52A	Chesterland	134.85 288	PFAKE	LR	07 21 10.0 +7.1
M52A					

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Q51A	comp=Z,3.0m,20.0s	Peebles	134.96 284	PFAKE	LR	07 21 10.0 +6.8
Q51A						
D53A	comp=Z,2.0m,22.0s	Lac Vacive, Po	134.97 297	PFAKE	LR	07 21 10.0 +7.0
D53A						
P51A	comp=Z,3.0m,20.0s	Williamsport	134.99 285	PFAKE	LR	07 21 10.0 +6.7
P51A						
X48A	comp=Z,2.0m,22.0s	Hartselle	135.10 276	PFAKE	LR	07 21 10.0 +6.4
X48A						
VLD0	comp=Z,2.0m,21.0s	Vai d'Or	135.24 298	ePKPdf	PKPdf	07 21 01.5 -0.4
VLD0						
R50A	comp=Z,3.0m,20.0s	Paris	135.25 283	PFAKE	LR	07 21 10.0 +6.2
R50A						
ACSO	comp=Z,3.0m,21.0s	Alum Creek Sta	135.30 286	PFAKE	LR	07 21 10.0 +6.1
ACSO						
U49A	comp=Z,3.0m,19.0s	Red Boiling Sp	135.33 280	P	PKPdf	07 21 01.9 -0.6
U49A						
T49A	comp=Z,2.0m,20.0s	Edmonton	135.47 280	ePKPdf	PKPdf	07 21 01.4 -1.4
T49A						
T49A	comp=Z,2.0m,20.0s	Edmonton	135.47 280	P	PKPdf	07 21 02.6 -0.2
T49A						
CLTN	comp=Z,1.0m,20.0s	Cedars of Leba	135.49 279	PFAKE	LR	07 21 10.0 +5.6
CLTN						
V48A	comp=Z,1.0m,20.0s	Smith Brothers	135.64 278	PFAKE	LR	07 21 10.0 +5.3
V48A						
I51A	comp=Z,3.0m,20.0s	Listowel	135.67 291	P	PKPdf	07 21 02.1 -0.8
I51A						
R49A	comp=Z,2.0m,20.0s	Shelbyville	135.83 282	PFAKE	LR	07 21 10.0 +5.0
R49A						
M50A	comp=Z,3.0m,22.0s	Fremont	135.90 287	PFAKE	LR	07 21 10.0 +5.0
M50A						
O49A	comp=Z,2.0m,19.0s	Covington	136.19 285	PFAKE	LR	07 21 20.0 +1.4
O49A						
K50A	comp=Z,3.0m,21.0s	Casco	136.25 289	PFAKE	LR	07 21 20.0 +1.4
K50A						
VBMS	comp=Z,3.0m,21.0s	Vicksburg	136.27 271	PFAKE	LR	07 21 20.0 +1.4
VBMS						
VBMS	comp=Z,4.0m,22.0s	Vicksburg	136.27 271	P	PKPdf	07 21 04.9 +0.5
VBMS						
U47A	comp=Z,3.0m,19.0s	Clarksville	136.33 279	P	PKIKP	07 21 05.9 -0.2
U47A						
N49A	comp=Z,3.0m,19.0s	Columbus Grove	136.44 286	PFAKE	LR	07 21 20.0 +1.4
N49A						
T47A	comp=Z,2.0m,19.0s	Sharon Grove	136.49 279	ePKPdf	PKPdf	07 21 03.3 -1.4
T47A						
WVT	comp=Z,2.0m,19.0s	Waverly	136.54 278	ePKPdf	PKPdf	07 21 05.0 +0.2
WVT						
WCI	comp=Z,2.0m,19.0s	Wyandotte Cave	136.56 281	ePKPdf	PKPdf	07 21 03.4 -1.3
WCI						
WCI	comp=Z,4.0m,22.0s	Wyandotte Cave	136.56 281	ePKIKP	PKPdf	07 21 03.4 -1.3
WCI						
P48A	comp=Z,4.0m,22.0s	Milroy	136.58 283	PFAKE	LR	07 21 20.0 +1.4
P48A						
E50A	comp=Z,2.0m,20.0s	Wahnapitae	136.60 295	P	PKIKP	07 21 07.1 +0.8
E50A						
AAM	comp=Z,3.0m,20.0s	Ann Arbor	136.72 288	PFAKE	LR	07 21 20.0 +1.3
AAM						
OXF	comp=Z,3.0m,22.0s	Oxford	136.77 275	PFAKE	LR	07 21 20.0 +1.3
OXF						
I49A	comp=Z,2.0m,21.0s	Point Hope	136.90 291	PFAKE	LR	07 21 20.0 +1.3
I49A						
M48A	comp=Z,4.0m,22.0s	Edgerton	137.06 286	PFAKE	LR	07 21 20.0 +1.3
M48A						
BLO	comp=Z,2.0m,19.0s	Bloomington	137.18 282	PFAKE	LR	07 21 20.0 +1.2
BLO						
J48A	comp=Z,3.0m,21.0s	Bridge Port	137.25 289	PFAKE	LR	07 21 20.0 +1.2
J48A						
USIN	comp=Z,3.0m,22.0s	University of	137.37 280	PFAKE	LR	07 21 20.0 +1.2
USIN						
TULEG	comp=Z,2.0m,20.0s	Thule	137.45 340	PFAKE	LR	07 21 20.0 +1.3
TULEG						
HALT	comp=Z,6.0m,22.0s	Halls	137.47 277	PFAKE	LR	07 21 20.0 +1.2
HALT						
H48A	comp=Z,2.0m,20.0s	Harrisville	137.55 291	PFAKE	LR	07 21 2

TXAR	Lajitas Array	143.64 257	PKP	PKPbc	07 21 15.6 +0.2
TX31	Lajitas Ar. Si	143.64 257	ePKP	PKPbc	07 21 15.3 -0.2
PET	Petrovavlovsk	143.72 58	ePKP	PKP	07 21 17.1 -0.1
PET	Petrovavlovsk	143.72 58	ePKIKP	PKPbc	07 21 15.7 +0.9
PET			eSS	SS	07 24 33.5
PET			pmax	pmax	07 43 09.4 -4.7
PET			MLR	MLR	
SPMN	Marine on St.	143.96 288	ePKP	PKPbc	07 21 15.3 -0.5
SPMN	Marine on St.	143.96 288	P	PKPab	07 21 14.9 -0.3
EYMN	Ely	144.00 293	ePKP	PKPab	07 21 14.9 -0.4
EYMN			P	PKPab	07 21 15.2 -0.1
KSU1	Kansas State U	144.06 277	PFAKE	LR	07 21 30.0 +8.2
KSU1	Kansas State U	144.06 277	P	PKPbc	07 21 16.0 -0.3
RES	Resolute Bay	144.16 340	PFAKE	LR	07 21 30.0 +9.1
AMTX	Amarillo	145.50 267	ePKPbc	PKPbc	07 21 20.9 -0.2
AMTX			P	PKPpdf	07 21 20.8 -0.3
MSTX	Muleshoe	145.76 264	ePKP	PKPbc	07 21 21.8 -0.2
MSTX			P	PKPbc	07 21 21.7 -0.3
ECSD	EROS Data Cent	145.98 284	ePKP	PKP	07 21 20.9 -0.6
ECSD			P	PKPbc	07 21 21.9 -0.4
CBKS	Cedar Bluff	146.10 274	ePKPbc	PKP	07 21 21.8 -0.1
CBKS	Cedar Bluff	146.10 274	ePKP2	PKP	07 21 21.8 -0.1
CBKS	Cedar Bluff	146.10 274	P	PKPbc	07 21 22.3 -0.6
BGNE	Belgrade	146.13 279	ePKPbc	PKPbc	07 21 22.1 -0.7
BGNE			P	PKPpdf	07 21 21.2 -0.6
MNTX	Cornudas Mount	146.26 259	ePKP	PKP	07 21 22.0 -0.4
MNTX			P	PKPbc	07 21 22.9 -0.5
AGMN	Agassiz Nation	146.90 292	ePKPbc	PKPbc	07 21 24.1 -0.7
AGMN	Agassiz Nation	146.90 292	P	PKPbc	07 21 24.7 -0.1
BILL	Bilibino	146.99 310	ePKP2	PKPbc	07 21 24.3 -0.1
BILL			MLR	MLR	
FCC	Fort Churchill	147.24 312	ePKPbc	PKPbc	07 21 25.6 +0.2
ULM	Lac du Bonnet	147.37 296	PKPbc	PKPbc	07 21 25.5 -0.5
ULM	Lac du Bonnet	147.37 296	ePKPbc	PKPbc	07 21 25.0 -1.0
ULM			MLR	MLR	07 21 25.0 -1.0
SUSD	Miller	147.81 284	P	PKPbc	07 21 26.2 -1.3
SRIG	Santa Rosalia	147.96 246	PFAKE	LR	07 21 40.0 +9.0
KSCO	Kaye Shedlock	148.20 273	ePKPbc	PKPbc	07 21 27.7 -1.1
KSCO	Kaye Shedlock	148.20 273	P	PKPpdf	07 21 25.1 -0.4
HSIG	Trinidad	148.29 249	ePKPbc	PKPbc	07 21 28.9 -0.3
121A	Cookes Peak, D	148.39 258	P	PKPpdf	07 21 26.9 +0.8
T25A	Trinidad	148.56 268	P	PKPpdf	07 21 26.3 0.0
OGNE	Ogallala	148.62 276	ePKPbc	PKPbc	07 21 30.2 +0.4
OGNE			P	PKPpdf	07 21 26.6 +0.5
LPM	Los Pinos Moun	148.62 262	ePKPbc	PKPbc	07 21 30.2 +0.1
Y22D	IRIS PASSCAL I	148.69 261	PFAKE	LR	07 21 40.0 +6.1
Y22D			P	PKPbc	07 21 28.5 -1.8
LENN	Lemitar	148.77 261	ePKPbc	PKPbc	07 21 31.3 -0.7
ANMO	Albuquerque	148.84 263	PFAKE	LR	07 21 40.0 +5.4
ANMO	Albuquerque	148.84 263	ePKIKP	PKP	07 21 26.9 +0.1
ANMO			pmax	pmax	
ANMO	Albuquerque	148.84 263	P	PKPpdf	07 21 27.4 +0.6
MIDW	Midway	149.01 114	PFAKE	LR	07 21 40.0 +4.9
LAZ	Ladron	149.02 261	ePKPbc	PKPbc	07 21 31.9 -0.5
MDND	Maddock	149.22 290	ePKPbc	PKPbc	07 21 30.8 -0.2
MDND			P	PKPpdf	07 21 26.5 -0.2
SDCO	Great Sand Dun	149.61 268	ePKPbc	PKPbc	07 21 33.3 -0.4
SDCO			P	PKPpdf	07 21 27.5 -0.5
Q24A	Divide	149.93 271	P	PKPpdf	07 21 28.7 +0.1
TUC	Tucson	150.28 255	ePKPbc	PKPbc	07 21 33.1 -1.0
TUC			P	PKPpdf	07 21 29.7 +0.7
S22A	4UR Ranch, Cre	150.53 267	P	PKPpdf	07 21 29.6 +0.1
X18A	Snowflake	151.02 259	ePKPbc	PKPbc	07 21 34.5 -1.4
PHWY	Pilot Hill	151.13 275	PFAKE	LR	07 21 40.0 +3.3
RSSD	Black Hills	151.15 281	ePKPbc	PKPbc	07 21 36.1 -0.5
RSSD			P	PKPpdf	07 21 30.6 +0.4
W18A	Petrified Fore	151.19 260	ePKPbc	PKPbc	07 21 36.0 -0.3
W18A			P	PKPpdf	07 21 30.9 +0.4
SMCO	Snowmass	151.30 270	PFAKE	LR	07 21 40.0 +2.7
N23A	Red Feather La	151.31 274	P	PKPpdf	07 21 31.3 +0.7

214A	Organ Pipe Nat	151.41 252	P	PKPpdf	07 21 31.0 +0.2
MVCO	Mesa Verde	151.43 265	ePKPbc	PKPbc	07 21 37.2 -0.2
MVCO			LR	LR	
MVCO	Mesa Verde	151.43 265	P	PKPpdf	07 21 29.4 -1.5
FFC	Flin Flon	151.57 304	ePKPbc	PKPbc	07 21 36.0 -0.3
FFC			ePKPab	PKPab	07 21 43.4 -1.6
FFC			PKPbc	PKPbc	
FFC			PKPab	PKPab	
KHU	Filin Flon	151.57 304	iPKIKP	PKIKP	07 21 36.6 -0.2
KHU	Kahuku	151.86 159	PKPbc	PKPbc	07 21 40.0 +1.2
PV01	Paradox Valley	151.93 267	ePKPbc	PKPbc	07 21 39.1 +0.7
PV01			ePKPab	PKPab	07 21 46.7 -0.6
X16A	Lo Mia Camp, P	151.97 257	PFAKE	LR	07 21 40.0 +1.5
AIN	Ainaihou	152.02 159	ePKPab	PKPab	07 21 48.5 +0.5
MWH	Mokuamwee	152.10 159	ePKP	PKP	07 21 26.2 -6.5
MWH			ePKPab	PKPab	07 21 46.9 -1.9
PV13	Radium Mtn., P	152.11 267	PFAKE	LR	07 21 40.0 +1.2
PV13			LR	LR	
KHLU	Kahalu u	152.12 158	ePKPbc	PKIKP	07 21 39.4 +0.2
KHLU			ePKPab	PKPab	07 21 49.2 +0.9
PV07	Paradox Valley	152.12 267	PFAKE	LR	07 21 40.0 +1.2
MLOA	Mauna Loa Obse	152.15 159	ePKPbc	PKPbc	07 21 38.9 -0.4
MLOA			ePKPab	PKPab	07 21 49.6 +0.8
MLOA			PKPbc	PKPbc	
MLH	Mauna Loa	152.16 159	ePKPbc	PKIKP	07 21 40.0 +0.6
MLH			ePKPab	PKPab	07 21 49.0 +0.4
PV12	Saucer Basin,	152.18 267	PFAKE	LR	07 21 40.0 +1.1
PV03	Paradox Valley	152.18 267	PFAKE	LR	07 21 40.0 +1.1
PV03			LR	LR	
PV18	Skein Mesa, Pa	152.22 267	PFAKE	LR	07 21 40.0 +1.0
HMH	Humu'ula Sheep	152.24 159	ePKPbc	PKIKP	07 21 39.5 -0.1
HMH			ePKPab	PKPab	07 21 50.4 +1.4
PV16	Nyswonger Mesa	152.25 267	ePKPbc	PKPbc	07 21 42.1 +3.1
PV05	Paradox Valley	152.27 266	ePKPbc	PKPbc	07 21 48.5 -0.1
PV05			ePKPab	PKPab	07 21 38.3 -0.5
PV04	Paradox Valley	152.28 267	PFAKE	PKPab	07 21 49.0 +0.3
PV04			LR	LR	07 21 40.0 +0.9
PV20	West Nyswonger	152.30 267	PFAKE	LR	07 21 40.0 +0.9
DGMT	Dagmar	152.36 290	PFAKE	LR	07 21 40.0 +1.3
DGMT			P	PKPpdf	07 21 32.6 +1.0
DGMT			P	PKPpdf	07 21 40.0 +0.7
PV10	Paradox Valley	152.37 267	PFAKE	LR	07 21 40.0 +1.0
PV10			LR	LR	
K22A	Casper	152.37 277	P	PKPpdf	07 21 31.3 -0.7
POHA	Pohakuloa	152.37 159	PFAKE	LR	07 21 40.0 +0.2
POHA			LR	LR	
RWWY	Rawlins	152.49 275	PFAKE	LR	07 21 40.0 +0.5
RWWY			LR	LR	
WUJAZ	Wupatki	152.53 259	PFAKE	LR	07 21 40.0 +0.4
WUJAZ			P	PKPpdf	07 21 32.0 -0.5
WUJAZ	Wupatki	152.53 259	P	PKPpdf	07 21 31.7 -0.6
113A	Mohawk Valley,	152.55 252	ePKP	PKP	07 21 40.1 +0.9
113A			ePKPbc	PKPbc	07 21 49.0 -0.7
HPAH	Hawaii Prepara	152.59 158	PFAKE	LR	07 21 40.0 -0.1
HPAH			LR	LR	
O20A	White River Ci	152.59 271	PFAKE	LR	07 21 40.0 +0.3
O20A			P	PKPpdf	07 21 32.1 -0.4
Y14A	Wickenburg	152.75 255	PFAKE	LR	07 21 40.0 0.0
SMY	Shemya	152.95 61	PFAKE	LR	07 21 40.0 +0.3
SMY			LR	LR	
HLK	Halekalea	153.14 156	PFAKE	LR	07 21 40.0 -1.2
HON	Honolulu	153.15 153	ePKPab	PKPab	07 21 53.7 +1.3
KEKH	Keekaha	153.18 149	PFAKE	LR	07 21 40.0 -0.9
KIP	Kipapa	153.24 153	ePKPab	PKPab	07 21 53.7 +0.9
LAO	LASA Array	153.33 286	PFAKE	LR	07 21 40.0 -0.7
LAO			LR	LR	
GLA	Glamis	153.43 251	ePKP	PKP	07 21 32.4 -1.2
GLA			ePKPbc	PKPbc	07 21 41.6 +0.3
GLA			ePKPab	PKPab	07 21 51.6 -1.9
GLA			MLR	MLR	07 21 32.4 -1.2
GLA			MLR	MLR	07 21 51.6
GLA			P	PKPpdf	07 21 33.9 +0.3
OPA	Opana	153.48 152	PFAKE	LR	07 21 40.0 -1.6
U15A	North Rim	153.65 260	PFAKE	LR	07 21 40.0 -2.0
Y12C	Blythe	153.65 253	PFAKE	LR	07 21 40.0 -1.7
Y12C			P	PKPpdf	07 21 34.5 +0.6
Y12C			P	PKPpdf	07 21 45.2
Y12C			ePKP	PKP	07 21 43.8 -3.6
Y12C			ePKPab	PKPab	07 21 35.4 +0.5
DMCI	Part Dam,Lak	153.72 254	P	PKPpdf	07 21 34.8 +0.8
SWSC	Sam W. Stewart	154.00 250	P	PKPpdf	07 21 36.1 +1.6
W13A	Hualapai Mount	154.01 256	PFAKE	LR	07 21 50.0 -6.2
IKP	In-Ko-Pah, Jac	154.02 249	P	PKPpdf	07 21 35.4 +0.9
BC3	Big Chuckwall	154.21 252	P	PKPpdf	07 21 34.6 -0.2
TMUT	Trail Mountain	154.29 267	ePKP	PKP	07 21 32.4 -2.6
TMUT			ePKPab	PKPab	07 21 45.2
IRM	Iron Mountain	154.31 253	P	PKPpdf	07 21 35.3 -0.6
MONP2	Monument Peak	154.37 249	P	PKPpdf	07 21 35.3 0.0
MTPU	Mount Pierson	154.39 264	ePKPbc	PKIKP	07 21 43.7 +0.1
BAR	Barrett	154.40 248	PFAKE	PKPab	07 21 52.9 -5.0
BAR			LR	LR	07 21 50.0 +6.6
BW06	Boulder Array	154.51 275	PFAKE	LR	07 21 50.0 +6.4
BW06			P	PKPpdf	07 21 35.7 +0.5

PD31	Pinedale Array	154.51 275	ePKP	PKP	07 21 33.5 -1.6
PD31			ePKPbc	PKPbc	07 21 44.1 +0.6
PD31			ePKPab	PKPab	07 21 57.3 -0.9
PDAR	Pinedale Array	154.51 275	PKP	PKPbc	07 21 33.5 -1.6
PDAR			PKPbc	PKPbc	07 21 47.1 +0.6
PDAR			PKPbc	PKPbc	07 21 54.3 -0.9
PDAR			PKPbc	PKPbc	07 21 54.7 +0.9
BELO	Bell Mt. Jos	154.78 252	P	PKPpdf	07 21 36.7 +1.0
109C	Camp Elliot, M	154.81 248	P	PKPpdf	07 21 35.7 +0.1
CPE	Camp Elliot	154.81 248	PFAKE	LR	07 21 50.0 +5.8
LDFC	Landfair	154.82 255	PFAKE	LR	07 21 50.0 +5.7
PFO	Pinyon Flats O	154.85 250	PFAKE	LR	07 21 50.0 +5.6
PFO			P	PKPpdf	07 21 35.3 -0.5
RLMT	Red Lodge	155.01 281	ePKP	PKP	07 21 35.0 -0.8
RLMT			ePKPbc	PKPbc	07 21 45.6
RLMT			P	PKPpdf	07 21 34.6 -1.1
JLU	Jordanelle	155.02 269	ePKP	PKP	07 21 35.8 -0.1
JLU			ePKPab	PKPab	07 22 00.7 +0.4
MURC	Murrieta	155.32 250	P	PKPpdf	07 21 34.4 -1.9
HWUT	Hardware Ranch	155.49 272	PFAKE	LR	07 21 50.0 -1.2
HEC	Hector,Ludlow	155.50 253	P	PKPpdf	07 21 36.2 -0.4
LOHW	Long Hollow	155.50 277	PFAKE	LR	07 21 50.0 -1.2
BBRC	Big Bear Solar	155.55 251	P	PKPpdf	07 21 36.4 -0.4
SNOW	Snow King Moun	155.56 276	PFAKE	LR	07 21 50.0 -1.3
TUQ	Turquoise Moun	155.57 255	P	PKPpdf	07 21 36.9 +0.2
AHID	Auburn Hatcher	155.58 275	PFAKE	LR	07 21 50.0 -1.3
MOOW	Moose Ponds	155.64 277	PFAKE	LR	07 21 50.0 -1.3
SHPR	Sheep Range	155.65 258	PFAKE	LR	07 21 50.0 -1.3
TPAW	Teton Pass	155.71 276	PFAKE	LR	07 21 50.0 +1.3
FLWY	Flagg Ranch	155.71 278	PFAKE	LR	07 21 50.0 -1.3
H17A	Grant Village	155.72 279	P	PKPpdf	07 21 35.6 -1.2
DUG	Dugway, Tooele	155.80 268	ePKP	PKP	07 21 35.1 -1.8
DUG			ePKPab	PKPab	07 22 03.5 0.0
DUG			P	PK	

BSWZ		S	Sg	07 23 07.5 +0.4
TCW	Tory Channel	0.39 358 P	Pb	07 23 03.7 0.0
SNZO	South Karori	0.42 47 ePg	Pb	07 23 04.3 +0.1
SNZO		eSg	Sg	07 23 07.9 -1.6
BHW	Baring Head	0.47 67 P	Pb	07 23 05.3 +0.1
WEL	Wellington	0.47 67 P	Pb	07 23 05.3 +0.2
PLWZ	Palliser	0.72 88 P	Pb	07 23 10.0 +0.6
MSWZ	Moikau Station	0.74 76 P	Pb	07 23 10.2 +0.5
CANW	Cannon Point	0.76 50 P	Pb	07 23 10.2 +0.1
NZ	Nelson	0.79 298 P	Pg	07 23 10.6 +0.1
DURWZ	D'Urville Isla	0.84 340 P	Pg	07 23 11.7 +0.1
PAWZ	Paruawai Farm	0.87 21 P	Pg	07 23 12.3 +0.3
KHZ	Kahutara	0.99 214 ePn	Pb	07 23 14.6 +0.1
KHZ	Kahutara	eSg	Sg	07 23 25.7 -1.2
KHZ	Kahutara	0.99 214 P	Pb	07 23 14.5 0.0
MTW	Mount Morrison	1.01 65 P	Pg	07 23 14.8 0.0
CGWZ	Otaki Gorge	1.02 41 P	Pb	07 23 14.7 -0.2
THZ	Tophouse	1.05 260 ePn	Pb	07 23 15.2 0.0
THZ	Tophouse	eSg	Sb	07 23 26.9 -1.8
THZ	Tophouse	1.05 260 P	Pb	07 23 15.3 +0.1
TRWZ	Traveller	1.06 80 P	Pb	07 23 15.3 0.0
HOWZ	Holdsworth Sta	1.16 53 P	Pb	07 23 17.1 +0.3
TMWZ	Te Maipa	1.30 68 P	Pb	07 23 18.5 -0.2
MRZ	Mangatoinaka R	1.35 46 P	Pb	07 23 20.0 -0.1
TIWZ	Tintock	1.45 56 P	Pn	07 23 21.2 +0.4
QRZ	Quartz Range	1.54 299 ePn	Pb	07 23 23.4 0.0
QRZ	Quartz Range	eSg	Sn	07 23 40.4 -1.2
QRZ	Quartz Range	1.54 299 P	Pb	07 23 23.6 +0.2
OHWZ	Ohaka	1.59 29 P	Pg	07 23 25.5 -0.5
CPWZ	Castlepoint	1.59 65 P	Pb	07 23 24.1 -0.2
PRWZ	Pori Road	1.64 51 P	Pn	07 23 23.7 +0.3
POWZ	Post Office Ro	1.64 43 P	Pb	07 23 24.2 -0.8
GVZ	Greta Valley S	1.66 214 P	Pb	07 23 23.3 -0.4
BFZ	Birch Farm	1.73 59 ePn	Sn	07 23 24.8 +0.3
BFZ	Birch Farm	1.73 59 P	Pn	07 23 24.1 -0.6
DSZ	Denniston Nort	1.87 265 P	Pb	07 23 28.2 -0.8
WAZ	Wanganui	1.91 16 P	Pb	07 23 30.3 +0.6
LTZ	Lake Taylor	1.92 231 ePn	Pb	07 23 27.3 +0.1
LTZ	Lake Taylor	1.92 231 P	Pb	07 23 27.3 +0.1
DVHZ	Dannevirke	1.92 48 P	Pb	07 23 27.0 -0.3
TSZ	Takapari Road	1.99 40 P	Pn	07 23 28.6 +0.4
AMCZ	Amberley	1.99 217 P	Pn	07 23 27.6 -0.6
ANWZ	Angora Road	2.00 56 P	Pn	07 23 26.5 -1.9
LRWZ	Lake Rotokare	2.13 2 P	Pb	07 23 34.4 +0.9
NHWZ	Naru Road	2.20 34 ePn	Pb	07 23 34.0 +0.1
PRHZ	Porangahau	2.21 54 P	Pn	07 23 31.1 -0.2
PNHZ	Pukenui	2.22 41 P	Pn	07 23 31.7 +0.3
WPHZ	Waipukurau	2.23 47 P	Pn	07 23 31.6 0.0
PREZ	Palmer Road	2.25 357 P	Pb	07 23 35.3 -0.2
KHEZ	Kahui Hwy	2.31 303 P	Pb	07 23 31.3 -1.4
OKCZ	Okains Bay	2.31 203 P	Pb	07 23 31.1 -1.8
CRLZ	Canterbury Las	2.33 211 ePn	Sn	07 23 31.8 -1.4
CRLZ	Canterbury Las	eSg	Sn	07 23 31.6 -1.3
CRLZ	Canterbury Las	2.33 211 P	Pb	07 23 35.7 -1.4
NBEZ	Newall Road No	2.35 352 P	Pb	07 23 30.9 -0.8
MTVZ	Mangatehi	2.36 22 P	Pn	07 23 34.2 +0.3
INZ	Inchbonnie	2.40 241 P	Pn	07 23 32.6 -1.3
OXZ	Oxford	2.40 223 ePn	Pn	07 24 00.7 -2.3
OXZ	Oxford	eSg	Pn	07 23 32.5 -1.3
OXZ	Oxford	2.40 223 P	Pb	07 23 37.0 -1.2
DREZ	Durham Road	2.41 358 P	Pb	07 23 36.0 -1.7
PKFZ	Pukeiti	2.43 209 P	Pb	07 23 32.1 -2.2
MQZ	McQueen's Vall	2.43 209 ePn	Sn	07 24 01.7 -1.9
MQZ	McQueen's Vall	eSg	Pn	07 23 32.2 -2.0
MQZ	McQueen's Vall	2.43 209 P	Pb	07 23 37.4 -1.4
PKVZ	Pokaka	2.44 20 P	Pb	07 23 36.2 0.0
MOVZ	Mosawhango	2.45 20 P	Pb	07 23 33.7 -1.4
AKCZ	Akaroa Harbour	2.49 8 P	Pb	07 23 38.9 -0.8
VRZ	Vera Road	2.50 52 P	Pb	07 23 34.3 -0.9
PXZ	Pawanui	2.50 52 P	Pb	07 23 36.6 +1.4
BHZ	Black Hill Sta	2.51 33 P	Pn	07 23 35.3 -0.1
KRHZ	Kereri	2.51 40 P	Pb	07 23 38.1 -2.0
DRHZ	Dome Shelter	2.52 0 P	Pb	07 23 41.1 +1.1
WHVZ	Whangape Hut	2.52 0 P	Pb	07 23 38.6 -1.8
MHEZ	Mhangahewa	2.53 23 P	Pb	07 23 38.6 -2.0
FWVZ	Far West T-bar	2.53 23 P	Pb	07 23 40.1 -1.7
TUVZ	Tukino	2.55 24 P	Pb	07 23 41.3 -0.4
NGVZ	Ngaruroho	2.62 23 P	Pb	07 23 41.3 -1.3
KAHZ	Kahurangi	2.67 22 P	Pb	07 23 42.2 -1.1
WTVZ	West Tongariro	2.67 22 P	Pb	07 23 39.0 +0.8
WTVZ	Taurewa	2.67 19 P	Pb	07 23 40.0 +0.4
KRVZ	Karewarewa	2.70 23 P	Pb	07 23 46.7 +0.5
KWHZ	Kaweka Forest	2.71 37 P	Pb	07 23 41.5 +0.1
MCNZ	McNeill Hill	2.73 33 P	Pb	07 23 41.9 +0.4
KATZ	Kakarama	2.83 23 P	Pb	07 23 46.9 -0.6
RITZ	Rihia Road	2.88 25 P	Pb	07 23 42.0 +0.1
BKZ	Black Stump Fm	2.95 35 ePn	Pb	07 23 49.8 +1.0
BKZ	Black Stump Fm	2.95 35 P	Pb	07 23 50.1 +0.3
RAVZ	Rangitukia	2.95 23 P	Pb	07 23 46.9 +3.3
WVZ	Waikata Valley	3.02 24 P	Pb	07 23 46.3 +2.7
HATZ	Hinemaia	3.03 28 P	Pb	07 23 43.6 -1.2
WATZ	Wairara	3.09 21 P	Pn	07 24 21.8 -0.7
HIZ	Hauti	3.11 8 ePn	Pn	07 23 43.8 -1.0
HIZ	Hauti	3.11 8 P	Pb	07 23 45.1 +0.2
ARHZ	Arapoanui	3.11 42 P	Pb	07 23 48.3 +1.2
RPZ	Rata Peaks	3.19 227 ePn	Pb	07 23 49.0 +4.1
RPZ	Rata Peaks	eSg	Sn	07 24 21.8 -0.7
RPZ	Rata Peaks	3.19 227 P	Pn	07 23 55.7 -0.9
MRHZ	Matea Rd	3.20 31 P	Pb	07 23 52.1 +1.0
MTWZ	Maungataniwha	3.36 36 P	Pb	07 23 53.4 -0.1
WHWZ	Whaiwhaia	3.38 23 P	Pb	07 24 37.9 -0.2
TLZ	Tolley Road	3.40 17 P	Pn	07 23 52.1 +1.7
PRRZ	Plateau Road	3.49 28 P	Pb	07 23 54.7 -0.1
SNGZ	Shannon Statio	3.65 41 P	Pb	07 24 01.8 -3.0
FOZ	Fox Glacier	3.83 238 ePn	Pn	07 23 56.2 +0.8
FOZ	Fox Glacier	eSg	Pn	07 23 56.5 +1.1
FOZ	Fox Glacier	3.83 238 P	Pb	07 23 56.9 +1.1
RIGZ	Rimuhau	3.92 44 P	Pb	07 23 56.9 +0.4
TOZ	Tahuroa Road	3.97 14 P	Pb	07 23 56.8 -0.5
URZ	Urewera	3.97 34 ePn	Pn	07 23 56.8 -0.5
URZ	Urewera	3.97 34 P	Pb	07 24 02.4 -3.6
MWZ	Matawai	4.10 38 P	Pb	07 23 58.8 -1.9
LBZ	Lake Benmore	4.11 226 ePn	Pb	07 24 09.9 +0.1
LBZ	Lake Benmore	4.11 226 P	Pb	07 24 06.5 +4.7
TGRZ	Tauranga	4.15 22 P	Pb	07 24 03.1 +0.8
ODZ	Otauhu Downs	4.36 216 ePn	Pb	07 24 08.9 -5.2
ODZ	Otauhu Downs	eSg	Sn	07 24 07.0 +3.9
ODZ	Otauhu Downs	4.44 21 P	Pb	07 24 06.1 +2.9
TGWZ	Tauwharepara	4.46 41 P	Pb	07 24 09.0 +4.1
RUGZ	Raukumara Rang	4.46 37 P	Pb	07 24 11.3 -5.3
KBAZ	Karaka Road Bo	4.52 6 P	Pb	07 24 05.4 +0.2
AWAZ	Awhitu Peninsula	4.53 4 P	Pb	07 24 06.3 +0.7
MKAZ	Moumakai	4.54 9 P	Pb	07 24 08.0 +1.9
ETAZ	East Tamaki Re	4.66 36 P	Pb	07 24 10.7 +3.6
ETAZ	Waiaatarua	4.66 3 P	Pb	07 24 11.1 +3.7
HAZ	Te Kaha	4.68 36 P	Pb	07 24 11.4 +4.0
PKGZ	Pakihoro	4.71 39 P	Pb	07 24 13.6 +4.4
JCZ	Jackson Bay	4.75 237 P	Pb	07 24 08.6 -1.4
RVAZ	Riverhead Bore	4.80 38 P	Pb	07 24 09.4 -0.6
WIAZ	Waiheke Island	4.84 8 P	Pb	07 24 09.4 -0.6
MBAZ	Motutapu North	4.84 6 P	Pb	07 24 10.2 -0.4
KUZ	Kuaotunu	4.97 13 P	Pb	07 24 12.6 +1.2
WKZ	Wanaka	5.03 228 ePn	Pb	07 24 15.9 -0.6
WKZ	Wanaka	5.03 228 P	Pb	07 24 22.1 +3.6
HHZ	Highcliff Hill	5.08 21 P	Pb	07 24 20.3 -1.1
MXZ	Matakaoa Point	5.08 39 ePn	Pb	07 24 21.1 0.0
EAZ	Earnsclough	5.14 223 P	Pb	07 24 25.1 -0.6
TUZ	Tuapeka	5.21 216 P	Pb	07 24 25.4 -1.9
WCZ	Waipu Caves	5.65 0 P	Pn	07 24 26.7 -0.5
WLZ	Waiora Lakes	5.86 228 ePn	Pb	07 24 30.7 +2.1
MLZ	Mavora Lakes	5.86 228 P	Pb	07 24 31.7 +3.0
SYZ	Scrubby Hill	6.18 215 P	Pb	07 24 35.6 -0.3
WHZ	Wether Hill Ro	6.29 225 ePn	Pb	07 24 35.6 -0.3
WHZ	Wether Hill Ro	6.29 225 P	Pb	07 24 37.0 +0.3
OUZ	Omahuta	6.39 355 P	Pb	07 24 37.0 +0.3
DCZ	Deep Cove	6.42 219 ePn	Pb	07 24 35.6 -0.3
APZ	The Paps	6.92 219 P	Pb	07 24 36.1 -1.1
CTZ	Chatham Island	7.03 111 P	Pb	07 26 10.6 -0.2
RAO	Raoul Island	13.85 30 ePn	Pb	07 30 13.0 +0.3
AS31	Alice Springs	38.02 285 ePn	P	07 30 29.1 -0.8
WB2	Warramunga Arr	40.07 290 eP	P	07 30 27.4 -2.5
WRAB	Tennant Creek	40.08 290 eP	P	

ROM 22 07:23:50.9.0.2, 43:352N, 0:005:13:126E, 0:006, h24km, Md1.2/4, Error ellipse: s-maj=0.5km s-min=0.4km az=214.0, Central Italy

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	h	m	s	ISC	Time	Res
EL6	Elicito	0.03 217		P	Pb	07	23	55.8	+0.1		
EL6				S	Sb	07	23	55.8	+0.2		
EL6	comp=E,1945um,0.4s			AML	AML						
EL6	comp=N,1815um,0.3s			AML	AML						
EL6	comp=N,1815um,0.3s			AML	AML						
EL6	comp=E,1945um,0.4s			AML	AML						
EL6				END	END						
EL6				END	END						
EL6				END	END						
CING	Cingoli	0.06 65		P	Pb	07	23	55.8	+0.2		
CING				S	Sb	07	23	59.0	+0.2		
CING	comp=E,2320um,0.2s			AML	AML						
CING	comp=N,1545um,0.2s			AML	AML						
CING	comp=N,1545um,0.2s			AML	AML						
CING				END	END						
CING				END	END						
CING				END	END						
SNTG	Esanatoglia	0.17 273		eP	Pb	07	23	56.4	0.0		
SNTG				S	Sb	07	24	00.4	+0.3		
SNTG	comp=E,414um,0.2s			AML	AML						
SNTG	comp=N,808um,0.2s			AML	AML						
SNTG	comp=N,808um,0.2s			AML	AML						
SNTG				END	END						
SNTG				END	END						
SNTG				END	END						
CSP1	Cessapalombo	0.27 167		P	Pb	07	23	57.7	0.0		
CSP1				S	Sb	07	24	02.9	+0.6		
CSP1				END	END						
CSP1				END	END						
FOVZ	Fossato di Vic	0.27 258		eP	Pb	07	23	57.7	0.0		
FOVZ				S	Sb	07	24	03.0	+0.7		
FOVZ	comp=E,498um,0.3s			AML	AML						
FOVZ	comp=N,752um,0.3s			AML	AML						
FOVZ	comp=N,752um,0.3s			AML	AML						
FOVZ	comp=E,499um,0.3s			AML	AML						
FOVZ	comp=N,752um,0.3s			AML	AML						
FOVZ				END	END						
FOVZ				END	END						
FDMO	Fiordimonte	0.32 185		P	Pb	07	23	58.4	+0.1		
FDMO				S	Sb	07	24	03.8	+0.5		
FDMO	comp=E,806um,0.2s			AML	AML						
FDMO	comp=N,500um,0.2s			AML	AML						
FDMO	comp=N,500um,0.2s			AML	AML						
FDMO	comp=E,806um,0.2s			AML	AML						
FDMO	comp=N,500um,0										

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, WB2, NC405, NB201, NB2, NB200, NOA, NC204, AS31, ASAR, GERES, ILAR, ILB, SUMG, BNI, STKA, YKA, YKB5.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like ARVD, CESSAPALOMBO, FOSSATO DI VIC, FOSV, FRONTE, CESSI, AVT-CASA CAST, MURB, ASSISI SAN BEN, PIEIA, ATVO.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SNTG, ARVD, CESSAPALOMBO, SSFR, FDMO, FRONTE, MPAG, ASSI SAN BEN, NARO, ATVO, ATPI, MOMA, LNSS, ARRO, MGAB, T0912.

WEL 22 07:29:25.1, 42°S, 1°17'4E, h6km, 2km, M3.2/22, ML3.5/23, MLV3.2/22, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CMWZ, TUWZ, TCW, BHW, WEL, PLWZ, MSWZ, NNZ, CAW, PAWZ, KHZ, THZ, MTW, OGWZ, TRWZ, HROZ, TMWZ, MWZ, TRWZ, MIWZ, PRWZ, POWZ, BFZ, DSZ, LTZ, AMCZ, WAZ, DVHZ, TSZ, OKCZ, PNHZ, KHEZ, OXZ, INZ, NBEZ, MCZ, MTWZ, PKE, PKVZ, MOVZ, BHZ, KRHZ, WHVZ, FWVZ, TUVZ, NGZ, WTVZ, TWVZ, KRVZ, KWHZ, KATZ, RITZ, WVZ, BKZ, HIZ, ODZ, HHSZ, CTZ.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AVT-CASA CAST, MURB, ASSISI SAN BEN, PIEIA, ATVO, ATPI, MOMA, LNSS, ARRO, MGAB, T0912, CING, CINGOLI, EL6, ELCITO.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SNTG, ARVD, CESSAPALOMBO, SSFR, FDMO, FRONTE, MPAG, ASSI SAN BEN, NARO, ATVO, ATPI, MOMA, LNSS, ARRO, MGAB, T0912, CING, CINGOLI, EL6, ELCITO.

ROM 22 07:29:54.0, 0.1, 43°33'6N, 0°00'5'13'E, 0°00', h24km, ML2.2/10, Error ellipse: s-maj=0.5km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like EL6, ELCITO, CING, CINGOLI, SNTG, ARVD, CRM1.

ROM 22 07:30:25.2, 0.1, 43°34'3N, 0°00'4'13'E, 0°00', h25km, ML2.1/9, Error ellipse: s-maj=0.5km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like CING, CINGOLI, EL6, ELCITO, SNTG, ARVD, CRM1.

ROM 22 07:30:37.2, 0.1, 43°32'7N, 0°00'3'13'E, 0°00', h24km, ML2.2/10, Error ellipse: s-maj=0.4km

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like EL6, ELCITO, CING, CINGOLI, SNTG, ARVD, CRM1.

22d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CRM1, SNTG, ARVD, FOSV, FDMO, ATCC, MPAG, FSSB, MURB, PIEI, ATVO, MOMA, WEL, CMWZ, BHW, BSHW, TWUZ, BSWZ, WEL, TCW, TOW, PLWZ, MSWZ, CAW, PANZ, NAWZ, DUWZ, MTW, TRWZ, OGWZ, KHZ, HOWZ.

2013 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TMWZ, MRZ, CPWZ, OHWZ, PRWZ, POWZ, BFZ, GVZ, DVHZ, TSZ, LTZ, PNHZ, WKZ, MOZ, AKCZ.

IDC 22 08:04:38.1-29.0, 21.68S-176.41W, h312km, 232km, mb3.2/3, mb1 3.5/3, mb1mx3.0/30, mbtmp3.9/3, Error ellipse: s-maj=243.7km s-min=46.3km az=131.0, Fiji

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR, WRA, ILAR, AKAS, BRER, GERES, GERS.

BUI 22 08:17:37.0-0.0, 37.45N:74.69E, h8km, mb3.8/1, ML3.9/4 NNC 22 08:17:39.9-3.5, 37.49N:74.46E, h10km, 24km, mb4.2, mpv4.0, Error ellipse: s-maj=27.3km s-min=19.1km az=163.0

IDC 22 08:17:42.5-3.6, 37.46N:74.65E, h65km, 30km, mb3.6/12, mb1 3.8/18, mb1mx3.6/39, mbtmp3.9/18, ML3.5/5, Error ellipse: s-maj=24.6km s-min=16.0km az=281.0

IDC 22 08:17:36.7-0.5, 37.48N:74.81E, h10km, n36, c=237/40, mb3.9/12, 7C-5D, Tajikistan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSH, CHCP, CEP, AAK, AAK, AAK, TKM2, TKM2, KK31, PDGK, PDGK, MKAR, WMQ, DANN, GKN, KKN, DMN, PKIN, PKI, GUN, KURBB, JIRN, BVAR, AB31, AKTO, AKTO, AKTO, ZALV, SONM, CMAR, FINES, ARCES, KLR, NOA, PETK, TORD, ILAR, WRA, YKA, ASAR.

BUI 22 08:32:02.0-0.0, 40.29N:100.20E, h8km, ML3.9/3, Western Nei Mongol

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

KRAR 22 08:39:39.3-0.3, 53.52N:86.97E, M2.8, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22d4 + CD-ROM, 2014)

NNC 22 08:39:55.3-2.7, 53.46N:87.58E, h0km, mb3.8, mpv3.5, 9C-5D, Error ellipse: s-maj=21.8km s-min=10.7km az=66.0, Suspected Mining explosion., Southwestern

1206

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

IDC 22 09:07:13.8-0.9, 32.93N:75.40E, h0km, mb3.8/13, mb1 4.0/16, mb1mx3.8/41, mbtmp3.8/16, ML3.5/3, Error ellipse: s-maj=26.2km s-min=17.6km az=59.0

ISCJB 22 09:07:16.5-0.4, 33.12N:75.66E, h2km, 2km, mb3.7/12, Error ellipse: s-maj=9.4km s-min=5.4km az=151.6

NDI 22 09:07:17.4-4.5, 33.07N:75.32E, h10km, ML3.8 HYB 22 09:07:17.6-0.3, 33.13N:75.69E, h16km, 2km, ML3.7 NNC 22 09:07:20.7-4.0, 32.94N:73.09E, h0km, mb4.2, Error ellipse: s-maj=56.9km s-min=31.8km az=93.0

ISC 22 09:07:17.2-0.8, 33.10N:75.57E, h0.05, h17km, 4km, n42, c=28/49, mb3.8/12, 4C-7D, Eastern Kashmir

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DODA, DODA, DODA, BDRWA, BDRWA, BDRWA, THTRI, THTRI, THTRI, KSHWR, KSHWR, KSHWR, GAND, GAND, GAND, DHRM, DHRM, DHRM, BHK, BHK, SMLA, SMLA, SMLA, KKR, KKR, JOSI, JOSI, KALG, KALG, KALG, NDI, NDI, KUDL, KUDL, KUDL, KUDL, SONA, SONA, SONA, SONA, KHET, KHET, KHET, KHET, GOR, GOR, AAK, AAK, AAK, AAK, TKM2, TKM2, DMN, KKN, PKI, GUN, KURBB, JIRN, BVAR, AB31, AKTO, AKTO, AKTO, ZALV, SONM, CMAR, FINES, ARCES, KLR, NOA, PETK, TORD, ILAR, WRA, YKA, ASAR.

WEL 22 09:21:13.1-4.1, 16S:09:174.3E:0.8, h17km, 2km, M4.0/16, ML4.3/16, MLV4.0/16, Error ellipse: s-maj=0.0km s-min=0.0km az=146.0, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cape Campbell, Tuamarina, Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like T0912, T0912, T0912, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OGWZ Otaki Gorge, TRWZ Traveller, HOWZ Holdsworth Sta, etc.

ZUR 22 09:32:10.2, 47.42N-9.32E, h5km, MLh1.0/3, 3C-1D, Error ellipse: s-maj=1.7km s-min=0.9km az=299.0,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Sennhlsen, Gaiserwald, Schlatt-Haslen, etc.

GEN 22 09:33:48.3, 44.18N, 10.14E, h5km, 1km, M1.1 ROM 22 09:33:47.5-0.1, 44.173N, 0.006E, 10.141E, 0.005, h9km, M1.1/6.10, Error ellipse: s-maj=0.6km s-min=0.4km az=183.0, Northern Italy

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

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

WEL 22 09:35:28.9, 42°S, 174°E, h24km, 4km, M3.9/53, M-L4/2/60, MLv3/9/53, Error ellipse: s-maj=0.0km s-min=0.0km az=107.4, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, BHW Baring Head, WEL Wellington, etc.

ISCJB 22 09:40:26.5, 0.3, 38.97N, 0.03, 110.42E, 0.05, h10km, mb4.7/39, Error ellipse: s-maj=5.3km s-min=4.1km az=175.7

IDC 22 09:40:26.2, 0.7, 38.95N, 110.45E, h0km, mb4.2/14, mb1.4, 3/17, mb1mx4.1/45, mb4m4.2/17, ML3.3/3, Error ellipse: s-maj=18.1km s-min=13.7km az=64.0

NEIC 22 09:40:28.3, 1.5, 38.89N, 110.35E, h10km, mb4.4/24, Error ellipse: s-maj=14.9km s-min=13.5km az=118.0

ISC 22 09:40:28.2, 0.4, 38.90N, 0.03, 110.32E, 0.04, h10km, n70, c190/84, mb4.4/39, 1C, Western Nei Mongol

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

22d 12h

Southwestern Ryukyu Islands

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

MDD 22 11:49:25.0±2.1, 40.72N; 16.55W, h70km, mb3.7/14, Error ellipse: s-maj=18.1km s-min=17.6km az=125.0, PRXIMO

INMG 22 11:49:28.6±1.3, 40.43N; 16.37W, h10km, ML2.5, Error ellipse: s-maj=18.3km s-min=14.5km az=93.0

ISC 22 11:49:27.3±7.7, 40.69N; 0.06±15.9W; 0.2, h10km, n47, e±121/73, 1D, North Atlantic Ocean

Main table for Southwestern Ryukyu Islands with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PMAFR, EZAM, EMAZ, etc.

2013 JUL

Table with columns: EADA, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 1.5nm, 0.6s, SNR=7.9.

ISCJCB 22 11:55:36.0±0.7, 17.37N; 0.1±145.0E; 0.2, h150km, mb3.6/9, Error ellipse: s-maj=33.5km s-min=15.1km az=7.7

ISC 22 11:55:35.0±0.8, 13.72N; 145.05E; h127km, mb3.4/9, m1 3.6/9, m1mx3.3/37, mbtmp3.8/9, MS3.2/1, M1 3.1/1, m1mx2.4/18, Error ellipse: s-maj=32.7km s-min=16.2km az=96.0

ISC 22 11:55:37.0±0.8, 13.72N; 0.1±145.0E; 0.3, h150km, n16, e±23/11, mb3.6/9, Mariana Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUMO, H11S3, H11S1, etc.

WEL 22 12:06:41.5±42.5, 1.17°E; h17km, 2km, M3.5/43, ML3.6/24, MLv3.5/43, Error ellipse: s-maj=0.0km s-min=0.0km az=134.5, Cook Strait

Main table for Cook Strait with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMWZ, TUWZ, ESWZ, etc.

ISCJCB 22 12:32:55.9±0.2, 35.32S; 0.05±54.10E; 0.06, h10km, mb4.8/9, MS4.1/27, Error ellipse: s-maj=7.7km s-min=6.2km az=153.2

BUI 22 12:32:56.7±0.0, 35.30S; 54.10E, h10km, mb4.9/28, mB5.1/24, Ms5.0/12, Ms7.4/7.6

IDC 22 12:32:56.2±0.5, 35.27S; 54.16E, h0km, mb4.5/20, m1 4.6/21, m1mx4.4/42, mbtmp4.5/21, ML4.6/1, MS4.0/26, Ms1.4/0.26, m1mx3.9/35, Error ellipse: s-maj=17.4km s-min=13.1km az=112.0

NEIC 22 12:32:57.5±1.1, 35.29S; 54.00E, h10km, mb5.0/50, Error ellipse: s-maj=16.3km s-min=14.0km az=37.0

GCMT 22 12:32:58.0±0.3, 35.18S; 0.02±54.18E; 0.02, h26km, 1km, MW5.0/83, Moment Tensor Solution. s30.c33; s83.c115; Duration: 0 Moment tensor: Scale 10^16Nm; Mrr-0.21±.12; Mθθ-3.27±.17; Mφφ-3.06±.15; Mθφ-0.32±.27; Mφθ-6.64±.12; Mφθ-0.82±.28; Best double couple: M4.21600x10^16 Np1.3±2.5, 0.00000; s88.00000; λ-1.68, 0.00000; NP2: φ±295.00000; s78.00000; λ-2.00000; Principal axes: T 4.3010, P1g7.0000; Azm33.0000; P -4.1910, P1g10.0000; Azm251.0000; nst1 refers to body waves, cutoff=40s.

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

1210

Main table for 1210 with columns: OPO, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ambohitramp, BOSA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cape Campbell, Tuamarina, South Karori, etc.

Table with columns: KBAZ, Karaka Road Bo, 4.51 5 P Pn, 13 32 56.8 +3.5. Includes stations like Karaka Road Bo, Moutakahi, etc.

Table with columns: PB10, IPOC Station P, 3.37 344f eP Pn, 13 55 40.5 +1.9. Includes stations like IPOC Station P, Limon Verde, etc.

ISC/JB 22:13:54.44, 1.0, 2.6; 74S: 69.38W, h0km, mb4.9/145, Error ellipse: s-maj=3.4km s-min=2.8km

IDC 22:13:54.44, 5.0, 4.2; 67S: 69.38W, h0km, mb4.9/15, mb1.4/820, mb1mx4.8/25, mbtmp4.7/20, ML4.4/5, MS3.7/7, Ms1.3/7.7, ms1mx3.4/1.8, Error ellipse: s-maj=16.8km s-min=11.0km az=85.0

GUC 22:13:54.45, 3.0, 2.7; 68S: 69.62W, h23km, 4km, ML5.1, NEIC 22:13:54.45, 8.0, 1.6; 73S: 69.41W, h10km, mb4.9/123, ML5.1(GUC), Error ellipse: s-maj=5.4km s-min=3.3km az=82.0

NEIC Felt [V] at Copiapo and Tierra Amarilla; [III] at Diego de Almagro, Caldera and Chanaral.

SJA 22:13:54.45, 6.0, 2.2; 26S: 69.60W, h10km, ML4.0, MW3.2

VAO 22:13:54.46, 7.0, 2.6; 81S: 69.36W, h10km, mb4.8, BUJ 22:13:54.47, 0.0, 2.6; 70S: 69.50W, h5km, mb5.2/12, Ms5.2/4, Ms7.4/9.4

NEIC 22:13:54.45, 9.0, 3.2; 67S: 69.57W, h0.04, h10km, n55f, s101f/583, mb4.9/145, 7C-4D, Northern Chile

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

349A Repton 60.20 343 P P 14 04 54.4 +0.4

155A Kite 60.33 347 P P 14 04 54.9 0.0

Z59A Georgetown, SC 60.39 351 P P 14 04 55.2 -0.1

NH5C Neumayer-Stat 60.40 350 P P 14 04 55.6 +0.3

Z57A Bowman 60.67 349 P P 14 04 57.1 -0.1

152A Waverly Hall 60.85 345 P P 14 04 58.0 -0.4

151A Opelika 60.85 345 P P 14 04 58.1 -0.4

Z54A Sparta 61.00 347 P P 14 04 59.0 -0.4

Y60A Bolivia 61.00 352 P P 14 04 58.9 -0.5

150A Eclectic 61.09 344 P P 14 05 00.0 0.0

Y58A Scranton 61.10 350 P P 14 05 00.0 -0.1

Z53A Monticello 61.19 347 P P 14 05 00.2 -0.5

149A Jones 61.28 343 P P 14 05 00.8 -0.5

Z52A Williamson 61.28 346 P P 14 05 01.0 -0.4

GOGA Godfrey 61.29 347 P P 14 05 01.0 -0.4

Y55A Saluda 61.49 348 P P 14 05 02.2 -0.5

Y54A Tignal 61.58 348 P P 14 05 02.9 -0.4

Z50A Ashland 61.59 344 eP P 14 05 03.2 -0.9

Z53A Ashland 61.69 344 P P 14 05 03.2 -0.9

LRLAL Lakeview Retre 61.74 343 P P 14 05 03.8 -0.7

Y53A Monroe 61.75 347 P P 14 05 03.2 -1.2

Z49A Columbiana 61.78 344 P P 14 05 03.3 -1.4

Y52A Lilburn 61.85 346 P P 14 05 05.4 +0.2

X56A White Oak 61.89 349 P P 14 05 05.7 +0.3

X55A Gracelyn & Ava 61.97 349 P P 14 05 06.2 +0.3

Y51A Rockmart 62.11 345 P P 14 05 06.8 -0.1

Table with columns: ID, Name, Time, Date, Status, and other details. Rows include W58A Raeford, X54A Belton, Y50A Piedmont, X53A Estanollee, W57A Gilead, Y49A Blount Mountai, W56A Indian Trail, X52A Dahlonega, KM5C Kings Mountain, W54A Cherokee Point, X51A Calhoun, V59A Middlesex, X50B Fort Payne, V58A Windy Hill, Pi, W53A Cullowhee, V57A Coltrane Farms, V56A Mocksville, X48A Hartselle, W55A Taylorsville, W51A Cleveland, V54A Nebo, X47A Russelville, U58A Oxford, W50A Signal Mountai, W50A Signal Mountai, QSPA South Pole Qui, CPCT Cooper Cave, U57A Blanch, W49A Belvidere, SWET Sewanee, Z41A Richland Creek, V52A Sevierville, W48A Pulaski, OXF Oxford, V51A Loudon, W50A Pikeville, T59A Double "B" Far, JCT Junction City, U55A TAZ, Sparta, PLAL Pickwick Lake, T58A Grand View Acr, U53A Fall Branch, W47A Westpoint, U54A Nelsons Funny, V49A McMinnville, U52A Thorn Hill, WHTX Lake Whitney, T56A Rocky Mt, U51A La Follette, V48A Smith Brothers, V48A Smith Brothers, S61A Accomac, T55A Pulaski, U50A Jamestown, T54A Tazewell, CLTN Cedars of Leba, S58A Poland Farm, P, T53A Wise, LTX Lajitas, TX31 Lajitas Ar. Si, TXAR Lajitas Array, U49A Red Boiling Sp, T52A Hallie, S56A Natural Bridge, S57A Dark Hollow, R, S57A Dark Hollow, R, T51A Gray, R58B Mineral, R58B Mineral, WVT Waverly, WVT Waverly, S55A Lewisburg, U47A Clarksville, T50A Nancy, MIAR Mount Ida, R57A Stanardsville, T49A Edmonton, T49A Edmonton, WHAR Woolly Hollow, S51A Beattyville, R55A Marlinton

Table with columns: ID, Name, Time, Date, Status, and other details. Rows include R56A Bull Pasture M, T47A Sharon Grove, T47A Sharon Grove, S50A Richmond, W39A Magazine, W39A Magazine, T46A Princeton, Q58A Fox Den Farm, FCAR Ozark Folk Cen, Q57A Strasburg, R51A Hillsboro, Q56A Snyder Ridge, Q55A Buckhannon, PBMO Poplar Bluff, Q53A Leroy, Q54A Coxs Mills, P58A Pank, Wackersv, P59A Jarrettsville, R49A Shelbyville, P57A Homestead Farm, Q52A Bidwell, P60A Greenville, P56A Dayton Farm, R, U40A Yellville, P55A Reedsville, S44A Carbondale, P54A Burton, P53A Whipple, O58A Lewisberry, O60A Telford, O59A Robesonia, O57A Ambersen, TUL1 Leonard, TUL1 Leonard, Q48A North Vernon, P52A Corning, P51A Williamsport, WMOK Wichita Mounta, WMOK Wichita Mounta, O56A Blue Knob Stat, O56A Blue Knob Stat, O55A Ligonier, MNTX Cornudas Mount, MNTX Cornudas Mount, P49A Miami Univ. Ec, N60A Cedar Hill Far, SSPA Standing Stone, O52A Adamsville, P48A Milroy, O53A New Philadelph, PAL Palisades, N59A State Game Lan, N57A Milroy, N58A Sunbury, CCM Cathedral Cave, CCM Cathedral Cave, O51A Pataskala, N55A Marion Center, N55A Marion Center, ACSO Alum Creek Sta, ACSO Alum Creek Sta, N56A West Decatur, O50A Cable, O49A Covington, N53A Lisbon, P46A Rosedale, N54A Moraine State, M58A Price's Panora, MSTX Muleshoe, MSTX Muleshoe, M59A Waymart, BRVY Bryant College, N50A Nevada, M56A Emporium, M55A Emporium, M54A Oil Creek Stat, M54A Oil Creek Stat, M53A W J Miller and, P43A Skaggs, Pawnee, N49A Columbus Grove, N49A Columbus Grove, L58A Harry Jones Me, HRV Adam Dzewionsk, M50A Fremont

Table with columns: ID, Name, Time, Date, Status, and other details. Rows include L53A Girard, L55A Hinsdale, M49A Liberty Center, ERPA Erie, PLIO Pelee Island, L54A Sinclairville, TRY Troy, M48A Edgerton, M47A Cromwell, K54A Basiliko Farm, MMNY Mt. Morris Dam, K55A Perry, L48A N Adams, L47A Sherwood, N41A Harden Midland, N41A Harden Midland, K50A Casco, N40A Mertquake, Sal, J52A Paris, LIC Lamto, K48A Pennell, NCB Newcomb, SBA Scott Base, TUC Tucson, PECO Prince Edward, TIC Toumudi, KIC Kosan Boka, DBIC Dimbokro, DBIC Dimbokro, L42A Oliver, Polo, J48A Bridge Port, I55A Frankford, J47A Sumner, LONY Lakonia, H56A Elgin, H55A Tweed, FRNY Flat Rock, L40A Anamosa, L40A Anamosa, 214A Organ Pipe Nat, T25A Trinidad, CLWO Collingwood, VNDA Vanda, VNDA Vanda, PKME Peaks-Kenny Pk, H52A Wyevale, PLVO Plevna, SYO Syowa Base, SYO Syowa Base, BANO Bancroft, G55A Calogio, G53A Haliburton, BUKO Buck Lake, KLBO Killbear Provi, PEMO Pembroke, SDCO Great Sand Dun, SDCO Great Sand Dun, H42A Draeger Farm, X16A Lo Mia Camp, F52A Sunrise, G47A Hillman, TRQ Mont Tremblant, ALGO Algonquin Park, BGNE Belgrade, H43A Windswept, Lux, F51A Arnstein, F49A Sandfield, S22A 4UR Ranch, Cre, E53A Dumoine, Ponti, E54A Lac Duplat, Po, F48A Evansville, Q24A Divide, MVCO Mesa Verde, WUAZ Wupatki, WUAZ Wupatki, E51A G1945 Merrick, E50A Wahnapitae, E48A Lockeyer, D52A ZEK Kipawa Sen, D54A Lac Fusel, La, D53A Lac Vavie, Po, D53A Lac Vavie, Po, E47A Iron Bridge, E46A Sault Ste Mari, E46A Sault Ste Mari

22d 14h

2013 JUL

1214

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Rows include D51A, G40A, PV01, etc.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Rows include TORO, FWXY, IMWV, etc.

Table with columns: ID, Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Rows include KSH, KSH, KSH, etc.

WEL 22 14:19:11.0, 42.5, 17.4E, h19km, 2km, M3.7/36, ML3.9/37, MLV3.7/36, Error ellipse: s-maj=0.0km s-min=0.0km az=108.1, Cook Strait

Table with columns: Code, Station Name, Az, El, Dist, Az, El, Dist, Az, El, Dist, Az, El, Dist. Rows include CMWZ, BSWZ, TUWZ, etc.

HAZ Te Kaha 4.82 36 P Pn 14 20 23.2 +0.8
KUZ Kuaotunu 5.10 14 P Pn 14 20 32.3 +6.0
CTZ Chatham Island 7.05 110 P Pn 14 20 55.6 +2.5

MEX 22 14:22:49.0±0.7, 17.444N:94.65W, h147km, 5km, MD3.7,

Chiapas

Code Station Name Δ° AZZ Phase ID Time Res
CMIG Matias Romero 0.41 214 eP ISC 14 23 04.8 -1.3

NEIC 22 14:25:05.1±0.0, 61.58N:141.12W, h1km, ML2.5(OTT),

ML2.6(AEIC), After AEIC

PGC 22 14:25:05.6, 61.59N:141.09W, h5km, ML2.5/11, 212km

Wnw of Haines Jct., Yt Southern Alaska, Southern

Alaska

Code Station Name Δ° AZZ Phase ID Time Res
YUK2 White River 0.23 31 P Op ISC 14 25 09.6 -0.6

IDC 22 14:43:30.2±4.7, 16.90S:175.43W, h0km, mb4.0/3,

mb1 4.2/3, mb1mx3.7/26, mbtmp4.0/3, Error ellipse:

s-maj=193.9km s-min=95.5km az=157.0, Tonga Islands

Code Station Name Δ° AZZ Phase ID Time Res
STKA Stephens Creek 41.60 241 P Op ISC 14 51 20.1 0.0

ISK 22 15:00:52.3, 37.25N:281.11E, h7km, ML2.5/10

DDK 22 15:00:53.5, 37.25N:281.21E, h7km, 4km, ML2.3

ISC 22 15:00:52.8±1.4, 37.23N:0.003:28.13E, 0.03, h5km, 12km,

n23, c055/28, Turkey

Code Station Name Δ° AZZ Phase ID Time Res
YER Yerkesik 0.16 129 Op PG ISC 15 01 06.2 +0.1

WEL 22 14:37:23.0, 42°S:2°17'E, h12km, 4km, M3.5/49,

ML3.7/54, MLV3.5/49, Error ellipse: s-maj=0.0km

s-min=0.0km az=104.9, Cook Strait

Code Station Name Δ° AZZ Phase ID Time Res
CMWZ Cape Campbell 0.18 257 P Op ISC 14 37 29.4 +1.1

IDC 22 15:08:48.5±0.4, 51.47N:132.11E, h0km, mb4.3/28,

mb1 4.4/37, mb1mx3.6/33, mbtmp4.3/37, ML3.4/7, MS3.7/27,

Ms1 3.7/27, ms1mx3.6/43, Error ellipse: s-maj=10.5km

s-min=8.2km az=103.0

Code Station Name Δ° AZZ Phase ID Time Res
KOR1 Korkueili 1.79 97 P N Pn 15 01 25.0 +0.5

USAK 22 15:08:49.5, 1.7, 51.46N:132.11E, h12km, mb4.8/48,

MS4.1/9, Error ellipse: s-maj=7.1km s-min=4.2km az=99.6

MOS Felt (III) at Stoyba, Fevral'sk,

SKHL 22 15:08:49.0, 51.47N:132.01E, h13km, 4km, mb5.8/8,

Ms4.6/37,

SKHL Felt (II-III) at Fevral'sk, Stoiba, Tirma. Felt (IV) at Alonka,

Etirken; (III) at Novyy Urgan, Chegdomin.

BUI 22 15:08:50.6±0.0, 51.40N:131.69E, h10km, mb4.6/37,

mb4.8/30, ML5.0/8, MS4.9/41, MS7.4/6, 4/14

NEIC 22 15:08:50.2±0.1, 51.50N:131.94E, h10km, mb4.5/83, Error

ellipse: s-maj=3.5km s-min=3.1km az=136.0

GCMT 22 15:08:51.2±0.4, 51.33N:131.95E, h10km, 2km,

MM4.8/72, Moment Tensor Solution. s16c20; s27c113;

Duration: 0 Moment tensor: Scale 10^16Nm; M=0.6±.15;

Mw=2.0±.12; Mw-1.40±.09; Mw-0.32±.13; Mw=0.78±.07;

Mw-0.32±.13; Best double couple: M=1.92900x10^16

NP1=34.00000°, δ86.00000°, λ-165.00000°. NP2:

φ=303.00000°, δ75.00000°, λ-5.00000°. Principal axes: T

2.2300, P1g8.0000°, Azm167.0000°; N -0.6040,

P1g74.0000°, Azm49.0000°; P -1.6290, P1g14.0000°,

Azm259.0000°; nsta1 refers to body waves, cutoff=40s.

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

moment-rate function

ISC 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

NBEZ Newall Road No 2.48 350 P Pn 14 38 05.2 +2.0
PXZ Pawanui 2.48 48 P Pn 14 38 02.2 -1.0
MOVZ Moawhango 2.50 24 P Pn 14 38 04.6 +0.9

IDC 22 14:43:30.2±4.7, 16.90S:175.43W, h0km, mb4.0/3,
mb1 4.2/3, mb1mx3.7/26, mbtmp4.0/3, Error ellipse:
s-maj=193.9km s-min=95.5km az=157.0, Tonga Islands

Code Station Name Δ° AZZ Phase ID Time Res
STKA Stephens Creek 41.60 241 P Op ISC 14 51 20.1 0.0

ISK 22 15:00:52.3, 37.25N:281.11E, h7km, ML2.5/10

DDK 22 15:00:53.5, 37.25N:281.21E, h7km, 4km, ML2.3

ISC 22 15:00:52.8±1.4, 37.23N:0.003:28.13E, 0.03, h5km, 12km,

n23, c055/28, Turkey

Code Station Name Δ° AZZ Phase ID Time Res
YER Yerkesik 0.16 129 Op PG ISC 15 01 06.2 +0.1

WEL 22 14:37:23.0, 42°S:2°17'E, h12km, 4km, M3.5/49,

ML3.7/54, MLV3.5/49, Error ellipse: s-maj=0.0km

s-min=0.0km az=104.9, Cook Strait

Code Station Name Δ° AZZ Phase ID Time Res
CMWZ Cape Campbell 0.18 257 P Op ISC 14 37 29.4 +1.1

IDC 22 15:08:48.5±0.4, 51.47N:132.11E, h0km, mb4.3/28,

mb1 4.4/37, mb1mx3.6/33, mbtmp4.3/37, ML3.4/7, MS3.7/27,

Ms1 3.7/27, ms1mx3.6/43, Error ellipse: s-maj=10.5km

s-min=8.2km az=103.0

Code Station Name Δ° AZZ Phase ID Time Res
KOR1 Korkueili 1.79 97 P N Pn 15 01 25.0 +0.5

USAK 22 15:08:49.5, 1.7, 51.46N:132.11E, h12km, mb4.8/48,

MS4.1/9, Error ellipse: s-maj=7.1km s-min=4.2km az=99.6

MOS Felt (III) at Stoyba, Fevral'sk,

SKHL 22 15:08:49.0, 51.47N:132.01E, h13km, 4km, mb5.8/8,

Ms4.6/37,

SKHL Felt (II-III) at Fevral'sk, Stoiba, Tirma. Felt (IV) at Alonka,

Etirken; (III) at Novyy Urgan, Chegdomin.

BUI 22 15:08:50.6±0.0, 51.40N:131.69E, h10km, mb4.6/37,

mb4.8/30, ML5.0/8, MS4.9/41, MS7.4/6, 4/14

NEIC 22 15:08:50.2±0.1, 51.50N:131.94E, h10km, mb4.5/83, Error

ellipse: s-maj=3.5km s-min=3.1km az=136.0

GCMT 22 15:08:51.2±0.4, 51.33N:131.95E, h10km, 2km,

MM4.8/72, Moment Tensor Solution. s16c20; s27c113;

Duration: 0 Moment tensor: Scale 10^16Nm; M=0.6±.15;

Mw=2.0±.12; Mw-1.40±.09; Mw-0.32±.13; Mw=0.78±.07;

Mw-0.32±.13; Best double couple: M=1.92900x10^16

NP1=34.00000°, δ86.00000°, λ-165.00000°. NP2:

φ=303.00000°, δ75.00000°, λ-5.00000°. Principal axes: T

2.2300, P1g8.0000°, Azm167.0000°; N -0.6040,

P1g74.0000°, Azm49.0000°; P -1.6290, P1g14.0000°,

Azm259.0000°; nsta1 refers to body waves, cutoff=40s.

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

moment-rate function

ISC 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

Code Station Name Δ° AZZ Phase ID Time Res
EKM1 Ekimchan 1.68 19 P Pn 15 09 19.1 -0.9

USAK 22 15:08:50.1±0.6, 51.49N:132.06E, 0.03, h6km, 3km,

h7km, pP-P, n336, e190/364, mb4.6/139, MS4.2/39,

26C-144, Southeastern Siberia

KLR comp=N,1.0m,0.3s,baz=36,slow=19,SNR=34 Lg Lg 15 09 59.8
KLR comp=N,1.0m,0.3s,baz=36,slow=19,SNR=34 LR LR 15 10 35.4

GRNR Gornyy 2.84 103 eP pmax pmax 15 09 36.0 +0.1
GRNR comp=E,38nm,0.4s pmax pmax
GRNR comp=Z,30nm,0.4s pmax pmax

GRNR Gornyy 2.84 103 l/Pn Pn 15 09 35.3 -0.6
GRNR pPn Pn 15 09 39.1 +1.5
GRNR pPb Pn 15 09 42.1 +0.9
GRNR AMB AMB 15 09 44.8

GRNR comp=Z,1.0m,0.5s eSg Sg 15 10 19.5 -1.8
GRNR A A 15 10 24.3
GRNR comp=Z,7.0m,0.5s 3.58 146 ePn Pn 15 09 45.9 -0.2
GRNR pPn Pn 15 09 49.2 +1.5
GRNR AMB AMB 15 09 56.5

GRNR comp=Z,820nm,0.4s eSg Sg 15 10 41.6 -3.5
GRNR A A 15 10 45.2
GRNR comp=Z,8.0m,1.0s A A 15 10 46.0
GRNR comp=Z,9.0m,0.5s 3.70 309 eP Pn 15 09 46.4 -1.3
GRNR s Pmax Smax 15 10 29.2 -2.3

GRNR comp=N,180nm,0.4s pmax pmax
GRNR comp=E,160nm,0.4s pmax pmax
GRNR comp=Z,280nm,0.4s smax smax
GRNR comp=N,980nm,0.6s smax smax
GRNR comp=N,2.0m,1.0s 3.70 309 ePn Pn 15 09 47.6 -0.1
GRNR pPn Pn 15 09 51.6 +2.2
GRNR ePg Pn 15 09 55.5 +0.7
GRNR AMB AMB 15 09 57.5

GRNR comp=N,460nm,0.4s AMB AMB 15 09 59.0
GRNR comp=N,800nm,0.5s eSg Sg 15 10 29.2 -2.3
GRNR eSb Sb 15 10 43.8 +3.0
GRNR A A 15 10 45.0
GRNR comp=N,6.0m,1.0s A A 15 10 49.0
GRNR comp=N,6.0m,0.5s A A 15 10 49.0
GRNR comp=N,6.0m,5.0s AMS AMS 15 11 48.0
GRNR comp=N,6.0m,4.0s AMS AMS 15 11 48.0
GRNR comp=N,3.0m,4.0s AMS AMS 15 11 48.0
GRNR comp=N,2.0m,4.0s 3.77 330 l/Pn Pn 15 09 48.5 -0.2
GRNR pPn Pn 15 09 51.5 +1.2
GRNR ePg Pn 15 09 58.2 +1.3
GRNR Kirovskiy 4.26 316 l/Pn Pn 15 09 55.2 -0.3
GRNR NKI Nikolayevsk 5.54 69 eP Pn 15 10 12.0 -1.0
GRNR pmax pmax

GRNR comp=Z,86nm,1.0s 5.54 69 ePn Pn 15 10 12.4 -0.6
GRNR NKI Nikolayevsk 5.54 69 ePn Pn 15 10 13.1 +3.9
GRNR AMB AMB 15 10 33.9
GRNR comp=Z,368nm,0.5s eSg Sg 15 11 44.7 -3.3
GRNR NKI NKI 15 11 50.8 -0.7
GRNR comp=Z,3.0m,0.8s 6.85 107 P Pmax Pmax 15 10 41.6 -7.8
GRNR UGL Uglegorsk 6.85 107 eP Pmax Pmax 15 10 53.2 +3.8
GRNR AMB AMB 15 10 58.3
GRNR comp=Z,170nm,0.7s eSg Sg 15 12 24.6 -5.3
GRNR A A 15 12 27.1
GRNR comp=Z,3.0m,0.9s 6.95 68 eP Pn 15 10 38.5 +6.2
GRNR OKH OKH 15 11 55.5 +3.9
GRNR comp=Z,

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like KOLS Kolonic sedl, QJC Ojcow, VRI Vriniciaia, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like ECH Echery, FUORI Ofenpas-Fuorn, MOOV Moose Ponds, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like INMG 22 15:23:26.6, PBDV Barranco-do-Ve, PVAQ Vaqueiros, etc.

ATH 22 15:18:04.2, 40.52N-21.91E, h17km, 6km, ML1.7/4, Error ellipse: s-maj=6.9km s-min=2.4km az=172.0, Greece

IDC 22 15:19:08.9, 65.0, 19.68S-174.52W, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5-2.9, mbtmp3.8/3, Error ellipse: s-maj=1226.0km s-min=178.5km az=83.0, Tonga Islands

CNRM 22 15:23:24.0, 36.28N, 7.70W, h56km, ml2.8
MDD 22 15:23:25.0, 9.0, 36.48N, 7.66W, h24km, 10km, mlBg2.6/41, Error ellipse: s-maj=10.0km s-min=3.7km az=25.0, PRXIMO
SFS 22 15:23:25.0, 36.51N, 7.65W, ML2.8, GOLFO DE CADIZ
IGIL 22 15:23:25.7, 36.41N, 7.67W, h31km, ML2.5

Table with 5 columns: Code, Station Name, Az, Az2, Phase ID, Time Res. Rows include MKAZ, JCZ, ETAZ, RVAZ, WIAZ, MBAZ.

IDC 22 16:37:21.0, 1.1, 5.87S, 103.83E, h0km, mb4.2/1.0, mb1 4.2/1.1, mb1mx4.0/36, mbmp4.2/1.1, ML3.7/1, MS3.0/4, Ms1 3.0/4, ms1mx2.7/30, Error ellipse: s-maj=46.8km s-min=14.2km az=45.0

Main table for 1219 containing station data for codes like LWLI, MDSI, KLI, BLSI, etc. Columns include Code, Station Name, Az, Az2, Phase ID, Time Res.

SOME 22 16:46:30.2, 40.75N, 78.22E, h15km NNC 22 16:46:32.4, 1.5, 40.92N, 78.24E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=10.0, km s-min=6.6km az=167.0

KRNET 22 16:46:33.2, 0.1, 41.07N, 78.24E, h20km, mb2.7 ISC 22 16:46:33.4, 2.3, 40.96N, 78.31E, h0km, mb3.1, 12km, n38, r128/60, 17C-7D, Southern Xinjiang

Table for 1219 containing station data for codes like KDJ, PRZ, NRN, ULHL, SATY, UZB.

Main table for 2013 JUL containing station data for codes like UZB, TNSS, BOOM, MDOK, IZV, KOTS, KPKS, PDGK, etc.

WEL 22 16:49:48.3, 42.5S, 174E, h13km, 3km, M3.6/15, ML3.9/15, MLv3.6/15, Error ellipse: s-maj=0.0km s-min=0.0km az=129.4, Cook Strait

Table for 2013 JUL containing station data for codes like BSWZ, WEL, NNZ, MSWZ, etc.

Table for 2013 JUL containing station data for codes like PNHZ, PREZ, KHEZ, NBEZ, etc.

WEL 22 16:57:30.3, 42.5S, 174E, h7km, 2km, M3.5/48, ML3.6/25, MLv3.5/48, Error ellipse: s-maj=0.0km s-min=0.0km az=135.6, Cook Strait

Table for 2013 JUL containing station data for codes like CMWZ, TUWZ, TCW, BHW, WEL, etc.

WEL 22 17:08:22.6, 42.5S, 174E, h13km, 2km, M3.7/25, ML3.9/19, MLv3.7/25, Error ellipse: s-maj=0.0km s-min=0.0km az=143.7, Cook Strait

Table for 2013 JUL containing station data for codes like CMWZ, BSWZ, TUWZ, TCW, BHW, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like PKE Pukeiti, MOVZ Moawhango, BHHZ Black Hill Sta.

WEL 22 17:08:48.6, 41.5:35°17'5E, h9km, 32km, M3.3/14, ML3.7/12, MLV3.3/14, Error ellipse: s-maj=10.0km, s-min=0.0km az=172.1, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TIWZ Tintock, CPWZ Castlepoint, ANWZ Angora Road.

IDC 22 17:09:03.2, 1.8, 10:22S, 158:96E, h0km, mb3.6/4, mb1 3.8/4, mb1mb3.5/19, mbtmp3.6/4, Error ellipse: s-maj=72.8km, s-min=17.7km az=145.0, Bougainville-Solomon Islands region

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

NEIC 22 17:10:19.2, 0.0, 61:58N:141:15W, h1km, ML2.3(OTT), ML2.6(AEIC), After AEIC, PGC 22 17:10:19.9, 0.0, 61:59N:141:08W, h5km, ML2.3/11, 212km WNW of Haines Jct., Yt Southern Alaska, Southern Alaska

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YUK2 White River, YUK2 Moose Creek, YUK1 Sand Pete Hill.

NEIC 22 17:24:00.4, 0.0, 18:44N:62:87W, h22km, MD3.8(TRN), After TRN, NEIC Felt at The Valley, Also felt at Cole Bay, Sint Maarten, TRN 22 17:24:00.4, 18:44N:62:87W, h22km, MD3.8, Leeward Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SMRT St. Maarten, SMRT St. Maarten, SMRT St. Maarten.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SEUS Saint Kitts 2, SKDB Saint Kitts 2, SKDB Saint Kitts 2.

MEX 22 17:40:25.4, 0.9, 16:23N:98:01W, h6km, 9km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like TLIG Tiapa, TLIG Vista Hermosa, VHO Vista Hermosa.

WEL 22 17:50:38.0, 42.5:3°17'4E, h22km, 5km, M3.7/48, ML3.9/7, MLV3.7/48, Error ellipse: s-maj=0.0km, s-min=0.0km az=116.1, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina.

ATH 22 18:01:48.1, 36:37N:27:11E, h20km, 2km, ML3.1/2, Error

ellipse: s-maj=3.0km s-min=1.2km az=59.0, ISK 22 18:01:48.4, 36:37N:27:12E, h6km, ML2.8/13, THE 22 18:01:49.2, 36:43N:27:16E, h0km, 1km, ML2.7/2, Error ellipse: s-maj=1.6km s-min=0.9km az=208.0, DDA 22 18:01:50.5, 36:42N:27:23E, h8km, 3km, ML2.5, ISC 22 18:01:48.6, 1.0, 36:38N:0:02:27.13E, 0.02, h9km, 8km, n40, c1928/54, Dodecanese Islands

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

WEL 22 18:04:31.2, 0.4, 41:11N:112:86W, h0km, ML2.0, Error ellipse: s-maj=5.2km s-min=4.1km az=108.0, Suspected Mining explosion, NEIC 75 km [47 miles] W of Ogdén, NEIC 22 18:04:35.1, 1.1, 41:33N:112:98W, h0km, mb1 2.9/2, mb1mx2.8/38, mbtmp2.4/2, ML3.3/2, Error ellipse: s-maj=59.9km s-min=7.4km az=148.0, ISC 22 18:04:27.6, 0.9, 41:18N:0:03:113:26W, 0:04, h0km, n27, c1815/25, Utah

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

NEIC 22 18:04:31.2, 0.4, 41:11N:112:86W, h0km, ML2.0, Error ellipse: s-maj=5.2km s-min=4.1km az=108.0, Suspected Mining explosion, NEIC 75 km [47 miles] W of Ogdén, NEIC 22 18:04:35.1, 1.1, 41:33N:112:98W, h0km, mb1 2.9/2, mb1mx2.8/38, mbtmp2.4/2, ML3.3/2, Error ellipse: s-maj=59.9km s-min=7.4km az=148.0, ISC 22 18:04:27.6, 0.9, 41:18N:0:03:113:26W, 0:04, h0km, n27, c1815/25, Utah

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BGU Big Grassy Mou, SPUT South Promonto, SPUT South Promonto.

ISCJB 22 18:12:31.2, 0.7, 9:75S:0:05:105:97E, 0:06, h10km, az=142.0, IDC 22 18:12:32.6, 1.5, 9:74S:105:95E, h0km, mb3.7/7, mb1 3.9/8, mb1mx3.7/26, mbtmp3.8/8, ML4.8/1, MS3.1/3, S-m1 3.2/3, m1mx2.7/27, Error ellipse: s-maj=44.0km s-min=22.0km az=61.0, DJA 22 18:12:34.1, 1.0, 10:5:10:6E, h32km, 29km, M4.8/13, mb5.5/4, mb4.9/9, MLV4.7/13, Mv(m)B4.9/4, ISC 22 18:12:33.8, 1.0, 9:72S:0:09:105:93E, 0:09, h10km, n35,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BGU Big Grassy Mou, SPUT South Promonto, SPUT South Promonto.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Sukabumi, Cibisemp, Garu, Cibirong, Cimerak, Lembang, etc.

ISCJB 22 18:12:54.9-0.3, 36.72N;0.02;-1.58E;0.03, h10km, Error ellipse: s-maj=3.7km s-min=2.2km az=24.9

CRAAG 22 18:12:55.3, 36.51N; 1.67E, M13.3, MDD 22 18:12:56.0, 0.8, 36.55N; 1.68E, h10km, mb4.2/31, Error ellipse: s-maj=8.4km s-min=5.0km az=152.0, PRXIMO

LDG 22 18:12:57.4-0.3, 36.78N; 1.38E, h10km, M3.1/7, Error ellipse: s-maj=6.2km s-min=3.2km az=139.0

ISC 22 18:12:55.2-0.9, 36.72N;0.04;-1.63E;0.04, h10km, n77, c=258/129, Northern Algeria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Beni Rached, Ech Chlef, Ain 'N Sour, Djebel Kef Gue, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Palemas, Aklm, Torete, Adamuz, Miracel, etc.

ISCJB 22 18:57.8-0.3, 43.77N;0.02;-105.24W;0.04, h0km, mb3.7/1, MS3.2/2, Error ellipse: s-maj=4.1km s-min=3.1km az=2.0

ANF 22 18:58.19-0.6, 43.78N; 105.34W, ML3.7/13, Error ellipse: s-maj=7.8km s-min=5.9km az=127.0

NEIC 22 18:59.7-0.2, 43.78N; 105.28W, h0km, ML3.3, Error ellipse: s-maj=3.4km s-min=2.8km az=100.0, Suspected Mining explosion.

NEIC 59 km [36 miles] SSE of Gillette. IDC 22 18:19:00.5-1.0, 44.03N; 105.73W, h0km, mb3.9/1, mb1 3.7/6, mb1mx3.5/39, mbtpp3.4/6, ML3.3/5, MS3.0/3, Ms1 3.0/3, ms1mx2.4/40, Error ellipse: s-maj=24.1km s-min=8.2km az=148.0

ISC 22 18:59.8-0.7, 43.77N;0.04;-105.30W;0.04, h0km, n97, c=957/103, Wyoming

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like Lasa Array, Red Lodge, Pinedale Array, etc.

MAN 22 18:38:29.3, 7.56N; 127.67E, h156km, mb3.8, ML2.6, MS2.1, 1D, Philippine Islands region

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

ISCJB 22 18:40:22.3-0.5, 13.30N;0.09;-144.22E;0.10, h129km, mb3.8/16, Error ellipse: s-maj=13.2km s-min=12.1km az=164.0

IDC 22 18:40:23.9-0.5, 13.39N; 144.48E, h135km, mb3.6/16, mb1 3.8/16, mb1mx3.7/42, mbtpp4.0/16, MS2.5/1, Ms1 2.5/1, ms1mx2.2/21, Error ellipse: s-maj=17.5km s-min=12.7km az=86.0

ISC 22 18:40:23.5-0.7, 13.4N;0.1;-144.4E;0.1, h129km, n25, c=1913/20, mb3.9/16, Mariana Islands

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

22d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND Hy 22.05, WAKE ISLAND Hy 22.07, WAKE ISLAND Hy 22.04, etc.

SOME 22 18:52:08.7, 43°15'N, 77°93'E, h10km
KRNET 22 18:52:08.2, 0.1, 43°18'N, 77°96'E, h16km, mb1.9
NNC 22 18:52:09.0, 9.4, 42°88'N, 78°13'E, h0km, 5km, mb2.8,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SATY, ANVS, PRZ, KPKS, UZB, etc.

MAN 22 18:52:10.8, 5°01'N, 125°31'E, h46km, mb4.9, ML3.8, MS3.7
ISCJB 22 18:52:15.0, 0.4, 5°36'N, 0°03', 125°29'E, 0.07, h7km, 5km,
mb3.7/9, Error ellipse: s-maj=11.0km s-min=4.5km
az=177.4

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

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

NNC 22 19:11:05.9, 8.2, 36°74'N, 160°62'E, h0km, mb3.7, mpv3.3,
2C-4D, Error ellipse: s-maj=64.2km s-min=57.0km
az=158.0, Hindu Kush region

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

ISCJB 22 19:12:11.4, 0.3, 39°61'N, 0°04', 15°51'E, 0.08, h259km, 3km,
mb3.4/6, Error ellipse: s-maj=10.7km s-min=6.2km
az=18.0

ROM 22 19:12:11.1, 0.3, 39°53'N, 0°01', 15°66'E, 0.04, h264km, 2km,
ML3.3/24, Error ellipse: s-maj=3.5km s-min=0.5km
az=110.0

IDC 22 19:12:13.7, 2.6, 39°75'N, 15°33'E, h275km, 31km, mb3.1/7,
mb1.3/0.14, mb1mx2.8/45, mbtmp3.6/14, Error ellipse:
s-maj=17.3km s-min=14.8km az=124.0

ISC 22 19:12:11.9, 0.6, 39°59'N, 0°06', 15°54'E, 0.07, h255km, 6km,
n47°, c101/61, mb3.5/6, Southern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CET2, T0702, CUC, etc.

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

A: -70.00000°. Principal axes: T: 7.1050, Plg7.0000°, Azm80.0000°; N: 0.3510, Plg12.0000°, Azm349.0000°; P: -7.4540, Plg76.0000°, Azm200.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22 22:15:10.6-0.3, 1.32S, 0.055:15.97W, 0.05, H10km, n1037, c1932/651, mb4.9/129, MS5.0/447, 28C-10D, North of Ascension Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their associated data.

KHC	comp=Z,600nm,20.2s	Kasperske Hory	56.36	23	eP	P	22 24 52.2 +0.2	DOPR	Dopca	59.54	32	iP	P	22 25 13.9 -0.4	PAL	Palisades	67.25	316	P	P	22 26 06.4 +0.9	
KHC					ex	x	22 24 59.8	UZH	Uzhgorod	59.76	28	eP	P	22 25 17.6 +1.8	LBNH	Lisbon	67.28	320	PFAKE	LR	22 26 20.0 +1.4	
KHC					eS	S	22 32 35.9 -6.6	OJC	Ojcow	59.77	26	eP	P	22 25 22.0	LBNH	comp=Z,900nm,21.0s			LR			
KHC	comp=Z,600nm,20.2s	Rozhen	56.45	36	eP	P	22 24 55.7 +2.7	OJC	Ojcow	59.77	26	eP	P	22 25 23.7 +7.9	LBNH	Lisbon	67.28	320	P	P	22 26 06.7 +1.1	
RZN		Santo Domingo	56.54	293	eP	P	22 25 10.0 +1.6	ATD	Arta Tunnel	59.82	76	PFAKE	LR	22 25 30.0 +1.3	HNNH	Hanover	67.28	319	eP	P	22 26 04.6 -1.0	
SDD	comp=Z,2um,22.0s	Plodiv	56.71	35	eP	P	22 24 58.1 +3.6	comp=Z,600nm,19.0s	OZUR	Kolonice sedl	59.84	32	iP	P	22 25 17.1 +0.7	HNNH	comp=Z,34nm,1.4s			LR	LR	
ALN		Alexandroupoli	56.76	37	PFAKE	LR	22 25 10.0 +1.5	KOLS	Kolonice sedl	59.97	28	eP	Pmax	22 25 18.0 +0.8	M61A	Granite Spring	67.28	316	P	P	22 26 06.0 +0.3	
ALN	comp=Z,400nm,20.0s	Moldovita	56.81	31	iP	P	22 24 56.0 +0.7	KOLS	Plostina	59.97	28	eP	P	22 25 17.8 -0.8	S61A	Accomac	67.28	312	PFAKE	LR	22 26 20.0 +1.4	
NKC		Novy Kostel	56.83	21	eP	P	22 24 59.6 +4.3	PLOR	Plostina	60.15	33	iP	P	22 25 17.8 -0.8	S61A	comp=Z,1um,19.0s			LR	LR		
NKC					eS	S	22 32 51.9 +3.2	VR	Vrincioia	60.20	33	iP	P	22 25 18.6 -0.3	V61A	Roper	67.32	310	PFAKE	LR	22 26 20.0 +1.4	
NKC	comp=Z,500nm,19.1s	Novy Kostel	56.83	21	eP	P	22 24 59.6 +4.3	TIRR	Tirgusior	60.29	35	PFAKE	LR	22 25 30.0 +1.1	V61A	comp=Z,900nm,19.0s			LR	LR		
NKC					eS	S	22 32 51.9 +3.2	TIRR						O61A	Allentown	67.35	315	P	P	22 26 07.1 +0.9		
NKC	comp=Z,500nm,19.1s				eS	S	22 52 40.0	ANTO	Ankara	60.49	42	PFAKE	LR	22 25 30.0 +8.9	U61A	Possum Corner	67.40	310	PFAKE	LR	22 26 20.0 +1.3	
GO02	comp=Z,500nm,19.0s	Minna Guanaco	56.84	241	PFAKE	LR	22 25 10.0 +1.4	ANTO						U61A	comp=Z,1um,20.0s			LR	LR			
GO02	comp=Z,2um,19.0s	Kurdzhali	56.84	36	eP	P	22 24 56.4 +0.9	BURAR	Bucovina Array	60.52	31	iP	P	22 25 21.5 +0.4	W61A	Ground Anchor	67.44	309	P	P	22 26 07.4 +0.6	
KDZ		Manisa	56.97	41	PFAKE	LR	22 25 10.0 +1.3	BURAR	Bucovina Array	60.52	31	iP	P	22 25 21.6 +0.4	Q61A	Milford	67.46	313	P	P	22 26 07.3 +0.5	
MANT					eP	P		BIZ	Bilaz	60.54	32	iP	P	22 25 22.2 +1.0	BRNJ	Basking Ridge	67.59	315	PFAKE	LR	22 26 20.0 +1.2	
MANT	comp=Z,2um,20.0s	Bratislava	57.08	26	eP	P	22 24 56.3 -0.8	KWP	Kalwarja Pacla	60.66	28	PFAKE	LR	22 25 30.0 +8.1	BRNJ	comp=Z,500nm,20.0s			LR	LR		
ZST		Bratislava	57.08	26	eP	P	22 24 56.3 -0.8	KWP	Kalwarja Pacla	60.66	28	PFAKE	LR	22 25 25.3 +3.4	ODNJ	Ogdensburg	67.77	316	PFAKE	LR	22 26 20.0 +1.1	
ZST		Bratislava	57.17	40	PFAKE	LR	22 25 10.0 +1.2	RGN	Rugen	60.70	19	PFAKE	LR	22 25 30.0 +7.9	ODNJ	comp=Z,600nm,21.0s			LR	LR		
BALB	comp=Z,1um,22.0s	Trest	57.25	24	AMS	AMS	22 52 20.0	BRTR	Keskin Array B	60.99	42	P	P	22 25 24.7 +0.2	TRY	Troy	67.78	318	PFAKE	LR	22 26 20.0 +1.1	
BALB	comp=Z,700nm,15.6s	Modra-Piesok	57.29	26	eP	Pmax	22 24 58.3 -0.3	BRTR	Keskin Array B	60.99	42	P	Pmax	22 25 25.3 +0.8	TRY	comp=Z,900nm,19.0s			LR	LR		
MODS	comp=Z,28nm,1.5s	Modra-Piesok	57.29	26	eP	Pmax	22 24 58.3 -0.3	BRTR	comp=Z,4.0nm,0.8s	60.99	42	eP	P	22 25 23.9 -0.6	V60A	Jim Taylor Roa	67.84	310	PFAKE	LR	22 26 20.0 +1.1	
MODS	comp=Z,28nm,1.5s	Modra-Piesok	57.29	26	eP	Pmax	22 24 58.3 -0.3	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	V60A	comp=Z,900nm,20.0s			LR	LR		
ESK	comp=Z,500nm,22.0s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	V60A	Jim Taylor Roa	67.84	310	P	P	22 26 09.9 +0.6	
PRU					e	e	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	VT1	Waterbury	67.85	320	PFAKE	LR	22 26 20.0 +1.1	
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	VT1	comp=Z,1um,22.0s			LR	LR		
PRU					eS	S	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	T60A	Surry	67.89	311	PFAKE	LR	22 26 20.0 +1.0	
PRU					eS	S	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	T60A	comp=Z,800nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	Penn St. - Bra	67.93	314	PFAKE	LR	22 26 20.0 +1.0	
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	Indianatown	67.97	300	PFAKE	LR	22 26 20.0 +1.0	
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 54 30.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU	comp=Z,600nm,21.3s	Pruhonice	57.42	23	eP	P	22 24 59.5 0.0	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					ex	x	22 25 06.7	BRTR	comp=Z,52nm,1.8s	61.41	28	eP	P	22 25 26.9 -0.1	PSUB	comp=Z,700nm,21.0s			LR	LR		
PRU					eS	S	22 32 51.3 -5.1	BRTR	comp=Z													

22d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like W58A Raeford, DWPF Disney Wildern, BINY Binghamton, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like OBN Obninsk, BLA Blackburg, GROC Groznyy, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like E53A Dumoine, Pont, ALLY Allegheny Colle, ERPA Erie, etc.

F51A	Arnstein	73.14 319	P	P	22 26 41.9 +0.4
KLBO	Kilbear Provi	73.14 318	P	P	22 26 42.2 +0.7
I51A	Listoval	73.17 317	P	P	22 26 42.5 +0.7
O51A	Pataskala	73.19 313	P	P	22 26 43.0 +1.0
D51A	Lot 18 Range I	73.20 320	P	P	22 26 42.0 +0.2
M51A	Elyria	73.23 314	P	P	22 26 42.6 +0.5
N51A	Ashland	73.25 314	P	P	22 26 43.4 +1.2
SS1A	Beattyville	73.25 310	PFAKE	LR	22 26 50.0 +7.6
SS1A	Beattyville	73.25 310	P	P	22 26 43.5 +1.1
U51A	La Follette	73.26 309	P	P	22 26 43.8 +1.3
P51A	Williamsport	73.34 312	PFAKE	LR	22 26 50.0 +7.2
P51A	Williamsport	73.34 312	P	P	22 26 43.9 +1.0
T51A	Gray	73.35 309	P	P	22 26 44.2 +1.2
451A	Vernon	73.36 302	PFAKE	LR	22 26 50.0 +6.9
451A	Loudon	73.38 308	PFAKE	LR	22 26 50.0 +6.9
V51A	Loudon	73.38 308	P	P	22 26 44.5 +1.4
251A	Midway	73.39 304	P	P	22 26 44.6 +1.4
151A	Opelika	73.41 304	P	P	22 26 44.4 +1.0
R51A	Hillsboro	73.42 311	P	P	22 26 44.6 +1.3
CPCT	Cooper Cave	73.43 308	PFAKE	LR	22 26 50.0 +6.5
CPCT	Peebles	73.43 311	PFAKE	LR	22 26 50.0 +6.6
Q51A	Peebles	73.43 311	P	P	22 26 44.1 +0.7
Z51A	Franklin	73.46 305	P	P	22 26 45.0 +1.3
X51A	Calhoun	73.49 307	PFAKE	LR	22 27 00.0 +1.6
X51A	Calhoun	73.49 307	P	P	22 26 45.2 +1.4
ACSO	Alum Creek Sta	73.49 313	P	P	22 26 44.7 +1.0
Y51A	Rockmart	73.50 306	P	P	22 26 45.0 +1.0
D50A	G1974 Best Tow	73.52 320	P	P	22 26 44.2 +0.4
W51A	Cleveland	73.55 307	P	P	22 26 45.2 +1.0
BMRO	Meriville Lake	73.56 317	P	P	22 26 44.9 +0.9
BASO	Ashfield	73.68 317	P	P	22 26 45.5 +0.7
N50A	Nevada	73.77 313	P	P	22 26 45.9 +0.6
E50A	Wahnapitae	73.85 319	P	P	22 26 46.0 +0.3
Q50A	Georgetown	73.86 311	P	P	22 26 47.0 +1.0
M50A	Fremont	73.87 314	PFAKE	LR	22 27 00.0 +1.4
M50A	Fremont	73.87 314	P	P	22 26 46.3 +0.4
SS0A	Richmond	73.88 310	P	P	22 26 47.1 +1.1
L50A	Kingsville	73.89 315	P	P	22 26 47.0 +1.0
TEIG	Tepich	73.89 291	PFAKE	LR	22 27 00.0 +1.4
TEIG	Jamesstown	73.91 308	P	P	22 26 47.3 +1.0
P50A	Jamesstown	73.93 312	P	P	22 26 47.3 +1.0
O50A	Cable	73.94 312	P	P	22 26 47.2 +0.9
V50A	Pikeville	73.94 308	P	P	22 26 47.5 +1.1
K50A	Casco	73.97 315	PFAKE	LR	22 27 00.0 +1.4
K50A	Casco	73.97 315	P	P	22 26 47.3 +0.8
TOBO	Tobermory, Bru	73.97 318	P	P	22 26 47.2 +0.8
R50A	Paris	73.98 310	PFAKE	LR	22 27 00.0 +1.3
R50A	Paris	73.98 310	P	P	22 26 47.8 +1.2
W50A	Signal Mountai	74.00 307	PFAKE	LR	22 27 00.0 +1.3
W50A	Signal Mountai	74.00 307	P	P	22 26 47.5 +0.7
150A	Eclectic	74.00 304	P	P	22 26 47.8 +0.9
350A	Dozier	74.02 303	P	P	22 26 48.2 +1.3
Y50A	Piedmont	74.05 306	P	P	22 26 48.0 +0.9
T50A	Nancy	74.06 309	P	P	22 26 48.3 +1.2
Z50A	Ashland	74.06 305	PFAKE	LR	22 27 00.0 +1.3
Z50A	Ashland	74.06 305	P	P	22 26 47.9 +0.7
250A	Grady	74.08 304	PFAKE	LR	22 27 00.0 +1.3
250A	Grady	74.08 304	P	P	22 26 48.3 +1.0
X50B	Fort Payne	74.10 306	P	P	22 26 48.1 +0.7
UOSS	Minazif	74.44 64	PFAKE	LR	22 27 00.0 +1.0
UOSS	Point Hope	74.45 316	P	P	22 26 49.6 +0.3
O49A	Covington	74.48 312	PFAKE	LR	22 27 00.0 +1.1
O49A	Covington	74.48 312	P	P	22 26 49.8 +0.3
F49A	Sandfield	74.49 318	P	P	22 26 49.8 +0.4
SWET	Sewanee	74.50 307	PFAKE	LR	22 27 00.0 +1.0
SWET	Marietta	74.50 316	P	P	22 26 50.0 +0.5
D49A	Beulah Townshi	74.53 320	P	P	22 26 50.2 +0.5
Z49A	Columbiana	74.55 305	P	P	22 26 50.8 +0.8
K49A	Clarkson	74.56 315	P	P	22 26 50.0 +0.1
M49A	Liberty Center	74.56 314	P	P	22 26 50.9 +0.9
N49A	Columbus Grove	74.56 313	PFAKE	LR	22 27 00.0 +1.0
N49A	Columbus Grove	74.56 313	P	P	22 26 50.5 +0.5
AAM	Ann Arbor	74.56 315	P	P	22 26 50.8 +0.9
L49A	Milan	74.59 314	P	P	22 26 51.1 +1.0
Y49A	Blount Mountai	74.59 306	PFAKE	LR	22 27 00.0 +1.0

Y49A	Blount Mountai	74.59 306	P	P	22 26 50.8 +0.6
S49A	Springfield	74.59 310	P	P	22 26 51.0 +0.8
P49A	Miami Univ. Ec	74.59 312	P	P	22 26 50.7 +0.5
Q49A	Aurora	74.59 311	P	P	22 26 51.0 +0.8
V49A	McMinnville	74.60 308	P	P	22 26 50.6 +0.4
T49A	Edmonton	74.62 309	PFAKE	LR	22 27 00.0 +1.0
T49A	Edmonton	74.62 309	P	P	22 26 51.2 +0.8
R49A	Shelbyville	74.62 310	PFAKE	LR	22 27 00.0 +1.0
R49A	Shelbyville	74.62 310	P	P	22 26 51.3 +0.9
149A	Jones	74.64 304	P	P	22 26 51.1 +0.5
X49A	Woodville	74.66 306	P	P	22 26 51.3 +0.6
U49A	Red Boiling Sp	74.67 308	P	P	22 26 51.6 +0.9
W49A	Belvidere	74.74 307	P	P	22 26 51.7 +0.6
249A	Camden	74.79 304	P	P	22 26 52.4 +1.0
E48A	Lockeey	74.80 319	P	P	22 26 51.8 +0.6
F48A	Evansville	74.89 318	P	P	22 26 52.2 +0.4
LRAL	Lakeview Retre	74.90 305	PFAKE	LR	22 27 00.0 +7.9
LRAL	Lakeview Retre	74.90 305	P	P	22 26 52.7 +0.6
J48A	Bridge Port	74.94 316	P	P	22 26 48.7 -3.4
CLTN	Cedars of Lebanon	75.01 308	PFAKE	LR	22 27 00.0 +7.3
CLTN	N Adams	75.02 314	P	P	22 26 53.0 +0.3
H48A	Harrisville	75.03 317	P	P	22 26 52.7 +0.2
K48A	Perry	75.03 315	P	P	22 26 53.1 +0.5
M48A	Edgerton	75.10 314	PFAKE	LR	22 27 00.0 +6.9
M48A	Edgerton	75.10 314	P	P	22 26 53.2 +0.1
O48A	Farmland	75.10 312	P	P	22 26 53.4 +0.3
P48A	Milroy	75.10 311	PFAKE	LR	22 27 00.0 +6.9
P48A	Milroy	75.10 311	P	P	22 26 53.1 0.0
I48A	Sherman Twp	75.13 316	P	P	22 26 53.7 +0.5
N48A	Decatur	75.16 313	P	P	22 26 54.0 +0.5
Q48A	North Vernon	75.20 311	P	P	22 26 54.2 +0.5
Y48A	Jasper	75.22 305	P	P	22 26 54.1 +0.2
X48A	Hartselle	75.23 306	PFAKE	LR	22 27 10.0 +1.6
X48A	Hartselle	75.23 306	P	P	22 26 54.0 0.0
148A	Greensboro	75.29 304	P	P	22 26 54.9 +0.6
V48A	Smith Brothers	75.32 307	PFAKE	LR	22 27 10.0 +1.6
V48A	Smith Brothers	75.32 307	P	P	22 26 55.0 +0.5
MYIG	Mrida	75.35 292	PFAKE	LR	22 27 10.0 +1.5
MYIG	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
WCI	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
WCI	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
WCI	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
WCI	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
WCI	Wyandotte Cave	75.47 310	eP	P	22 26 54.6 -0.7
E47A	Iron Bridge	75.52 319	P	P	22 26 55.3 -0.1
G47A	Hillman	75.52 317	P	P	22 26 55.5 +0.1
L47A	Sherwood	75.58 314	P	P	22 26 55.8 0.0
D47A	Chapleau	75.59 319	P	P	22 26 56.1 +0.3
H47A	Mic	75.60 317	P	P	22 26 56.4 +0.5
K47A	Vermontville	75.62 315	P	P	22 26 56.5 +0.4
I47A	Gladwin	75.64 316	P	P	22 26 56.3 +0.2
N47A	Urbana	75.66 313	P	P	22 26 56.5 +0.2
M47A	Cromwell	75.72 313	P	P	22 26 57.2 +0.6
T47A	Sharon Grove	75.81 309	PFAKE	LR	22 27 10.0 +1.3
T47A	Sharon Grove	75.81 309	P	P	22 26 57.6 +0.3
U47A	Clarksville	75.84 308	P	P	22 26 57.6 +0.2
BLO	Bloomington	75.86 311	PFAKE	LR	22 27 10.0 +1.3
BLO	Bloomington	75.86 311	P	P	22 26 57.7 -0.1
V47A	Nunnely	75.89 307	P	P	22 26 57.9 +0.1
X47A	Russellville	75.90 306	P	P	22 26 58.0 +0.3
ARCES	ARCES Array B	76.00 14	P	P	22 26 58.7 -0.2
D46A	Sault Ste. Mari	76.15 319	P	P	22 27 10.0 +1.1
PLAL	Pickwick Lake	76.17 306	PFAKE	LR	22 27 10.0 +1.1
PLAL	Sault Ste Mari	76.17 318	PFAKE	LR	22 27 10.0 +1.1
E46A	Sault Ste Mari	76.17 318	P	P	22 26 59.1 0.0
K46A	Dot	76.18 315	P	P	22 26 59.3 +0.1
WVT	Waverly	76.20 308	eP	P	22 26 58.8 -0.7
WVT	Waverly	76.20 308	eP	P	22 26 58.8 -0.7
WVT	Waverly	76.20 308	eP	P	22 26 58.8 -0.7
WVT	Waverly	76.20 308	eP	P	22 26 58.8 -0.7
WVT	Waverly	76.20 308	eP	P	22 26 58.8 -0.7
G46A	Potoskey	76.25 317	P	P	22 26 59.7 +0.1
H46A	Fife Lake	76.27 317	P	P	22 26 59.9 +0.2
V46A	Holladay	76.36 307	P	P	22 27 00.3 -0.1
L46A	Eue Claire	76.38 314	PFAKE	LR	22 27 10.0 +1.0
L46A	Eue Claire	76.38 314	P	P	22 27 00.9 0.0
W46A	Princeton	76.44 309	P	P	22 27 00.8 0.0
T46A	Princeton	76.44 309	P	P	22 27 00.8 0.0

USIN	University of	76.46 309	PFAKE	LR	22 27 10.0 +9.1
USIN	Rosedale	76.48 311	P	P	22 27 01.0 0.0
X46A	Booneville	76.49 306	P	P	22 27 01.0 -0.2
U46A	Springville	76.52 308	P	P	22 27 01.4 +0.1
SFIN	Lafayette	76.57 312	PFAKE	LR	22 27 10.0 +8.5
SFIN	Lafayette	76.57 312	P	P	22 27 01.1 -0.4
G45A	Suttons Bay	76.71 317	P	P	22 27 02.1 -0.1
APA	Apatity	76.78 17	P	P	22 26 57.8 -4.3
APA	CMU Biological	76.79 318	P	P	22 27 02.2 -0.4
F45A	Fountain	76.85 316	P	P	22 27 02.5 -0.4
OLIL	Olney	76.96 310	PFAKE	LR	22 27 10.0 +6.3
OLIL	Olney	76.96 310	P	P	22 27 02.6 -0.6
SYO	Syowa Base	76.99 162	eP	P	22 27 05.0 +1.8
SYO	Syowa Base	76.99 162	eP	P	22 27 14.6 +0.4
T45A	Paducah	77.03 308	PFAKE	LR	22 27 20.0 +1.6
T45A	Comitan	77.11 287			

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes stations like Bancas Point, Pinnacle, Murphy Dome, etc.

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes stations like Kunigami, Matsu-Tunnel, Matsuhiro, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, and other parameters. Includes stations like HHC, WMQ, Urumqi, etc.

MOS 22 22:19:03.6i.1.0.28S:16.02W,h10km,mb5.3/48, MS4.7/15, Error ellipse: s-maj=11.8km s-min=5.8km az=57.8

Table with columns: Code, Station Name, Azimuth, Phase ID, Op, ISC, Time, Res, and other parameters. Includes stations like H10N2, H10N3, H10N1, etc.

Table with columns: ICAO, Name, Elevation, Frequency, Mode, and other parameters. Includes stations like Almerim, Casimiro, San Pablo, etc.

BRVK		MLR	MLR				
QSPA	comp=Z,300nm,20.0s South Pole Qui	88.78 180	eP	P	22 32 01.1 +0.9		
FFC	comp=Z,40nm,1.3s Flin Flon	88.79 325	iP	P	22 32 00.7 +0.4		
MNCI	Minicoy	89.15 82	P	PFAKE	22 32 10.0 +7.2		
RSSD	comp=Z,3um,21.0s Black Hills	89.56 314	PFAKE	LR	22 32 10.0 +5.5		
RSSD	comp=Z,600nm,18.0s Black Hills	89.56 314	P	P	22 32 05.3 +0.9		
T25A	baz=92 Trinidad	89.59 307	P	P	22 32 04.7 -0.1		
OTUK	Ortayu	89.78 42	P	P	22 32 05.7 +0.6		
OTUK	comp=Z,7.0nm,1.6s Dagmar	89.84 318	PFAKE	LR	22 32 20.0 +15		
DGMT	comp=Z,800nm,19.0s Nilore	90.00 57	PFAKE	LR	22 32 20.0 +14		
Q24A	comp=Z,300nm,20.0s Divide	90.23 309	P	P	22 32 05.9 -2.0		
SDCO	baz=92 Great Sand Dun	90.48 308	PFAKE	LR	22 32 20.0 +11		
SDCO	comp=Z,700nm,22.0s Great Sand Dun	90.48 308	P	P	22 32 09.1 +0.1		
PHWY	baz=91 Pilot Hill	90.52 311	PFAKE	LR	22 32 20.0 +11		
N23A	comp=Z,800nm,20.0s Red Feather La	90.88 311	P	P	22 32 11.2 +0.4		
AAK	Ala-Archa	91.16 48	PFAKE	LR	22 32 20.0 +8.1		
AAK	comp=Z,400nm,19.0s Ala-Archa	91.16 48	iP	P	22 32 12.9 +1.0		
ANMO	Albuquerque	91.20 305	eP	P	22 32 10.8 -1.5		
ANMO	comp=Z,8.9nm,1.4s Albuquerque	91.20 305	eP	P	22 32 12.1 -0.2		
ANMO	comp=Z,4.0nm,1.2s Albuquerque	91.20 305	P	P	22 32 12.0 -0.2		
FRU1	baz=91 Bishkek	91.26 47	PFAKE	LR	22 32 20.0 +7.8		
K22A	comp=Z,300nm,22.0s Casper	91.34 312	PFAKE	LR	22 32 20.0 +7.3		
S22A	comp=Z,900nm,19.0s 4UR Ranch, Cre	91.53 308	P	P	22 32 14.3 +0.4		
Y22D	IRIS PASSCAL I	91.58 304	PFAKE	LR	22 32 20.0 +6.0		
RWWY	comp=Z,500nm,20.0s Rawlins	91.84 311	PFAKE	LR	22 32 30.0 +15		
KSH	comp=Z,1um,19.0s Kashi	92.26 51	P	P	22 32 16.5 -0.5		
KSH	sP		sP		22 32 20.4 -0.5		
KSH	ppP		ppP		22 32 23.5 -1.1		
KSH	ppS		ppS		22 35 58.1 +0.6		
KSH	S		S		22 43 15.1 -5.2		
KSH	comp=Z,19nm,1.3s		pmax	pmax			
KSH	comp=Z,89nm,7.8s		LR	LR			
KSH	comp=Z,110nm,13.4s		LR	LR			
KSH	comp=Z,310nm,12.2s		LR	LR			
KSH	comp=Z,560nm,15.0s		LR	LR			
NRN	Naryn	92.27 49	PFAKE	LR	22 32 30.0 +13		
Q20A	comp=Z,500nm,21.0s White River Ci	92.63 310	PFAKE	LR	22 32 30.0 +11		
MVCO	comp=Z,1um,22.0s Mesa Verde	92.86 307	P	P	22 32 19.9 -0.1		
PV11	baz=90 David Mesa, Pa	93.14 308	PFAKE	LR	22 32 30.0 +8.8		
KDJ	comp=Z,700nm,22.0s Kajisay	93.15 48	PFAKE	LR	22 32 30.0 +8.9		
PV19	comp=Z,200nm,21.0s Morning Glory	93.23 308	PFAKE	LR	22 32 30.0 +8.4		
PV14	comp=Z,400nm,20.0s Lion Creek, Pa	93.26 308	PFAKE	LR	22 32 30.0 +8.2		
PDAR	comp=Z,200nm,18.0s Pinedale Array	93.58 313	P	P	22 32 25.1 +2.0		
BW06	comp=Z,0.3nm,0.4s,baaz=104,slow=7.5,SNR=2.8 Boulder Array	93.58 313	PFAKE	LR	22 32 30.0 +6.9		
KURK	comp=Z,700nm,21.0s Kurchatov	93.86 39	PFAKE	LR	22 32 30.0 +6.1		
KURK	comp=Z,300nm,20.0s Kurchatov	93.86 39	iP	P	22 32 23.0 -0.9		
W18A	Petrified Fore	93.89 305	PFAKE	LR	22 32 30.0 +5.3		
PRZ	comp=Z,800nm,20.0s Przheval'sk	94.04 48	PFAKE	LR	22 32 40.0 +15		
X18A	comp=Z,300nm,21.0s Snowflake	94.08 304	PFAKE	LR	22 32 40.0 +14		
H17A	comp=Z,600nm,20.0s Grant Village	94.26 314	PFAKE	LR	22 32 40.0 +14		
LOHW	comp=Z,800nm,21.0s Long Hollow	94.31 313	PFAKE	LR	22 32 40.0 +14		
MOOW	comp=Z,800nm,18.0s Moose Ponds	94.41 314	PFAKE	LR	22 32 40.0 +13		
SNOW	comp=Z,500nm,20.0s Snow King Moun	94.43 313	PFAKE	LR	22 32 40.0 +13		
IMW	comp=Z,700nm,21.0s Indian Meadow	94.54 314	PFAKE	LR	22 32 40.0 +12		
TPAW	comp=Z,400nm,21.0s Teton Pass	94.57 313	PFAKE	LR	22 32 40.0 +12		
AHID	comp=Z,500nm,19.0s Auburn Hatcher	94.71 313	PFAKE	LR	22 32 40.0 +12		
HWUT	comp=Z,1um,22.0s Hardware Ranch	95.11 311	PFAKE	LR	22 32 40.0 +10		
YKA	comp=Z,1um,20.0s Yellowknife Ar	95.18 333	P	P	22 32 30.2 +0.5		
YKA	comp=Z,1.1nm,0.8s,baaz=84,slow=3.7,SNR=3.6 Yellowknife Ar	95.18 333	eP	P	22 32 29.9 +0.2		
YKA	comp=Z,3.7nm,20.3s,baaz=90,slow=3.3 Yellowknife Ar	95.18 333	eP	P	22 32 29.9 +0.2		
WUAZ	comp=Z,1.0nm,0.8s Wupatki	95.22 305	PFAKE	LR	22 32 40.0 +9.2		
X16A	comp=Z,500nm,20.0s Lo Mia Camp, P	95.31 304	PFAKE	LR	22 32 40.0 +8.7		
U15A	comp=Z,600nm,20.0s North Rim	95.92 306	PFAKE	LR	22 32 40.0 +5.9		
DUG	comp=Z,700nm,21.0s Dugway, Tooele	96.13 310	PFAKE	LR	22 32 40.0 +5.2		
WALA	comp=Z,800nm,22.0s Wateron Lakes	96.24 319	PFAKE	LR	22 32 40.0 +4.9		
MAKZ	comp=Z,800nm,20.0s Makanchi	96.34 43	PFAKE	LR	22 32 50.0 +15		
MSO	comp=Z,300nm,20.0s Missoula	96.46 317	PFAKE	LR	22 32 50.0 +14		

MSO	comp=Z,600nm,20.0s Makanchi Array	96.56 43	P	P	22 32 36.6 +0.2		
Y14A	comp=Z,1.7nm,0.9s,baaz=292,slow=2.2,SNR=3.6 Wickenburg	96.63 304	PFAKE	LR	22 32 50.0 +13		
HLID	comp=Z,700nm,21.0s Hailey	97.08 314	PFAKE	LR	22 32 50.0 +11		
W13A	comp=Z,700nm,22.0s Hualapai Mount	97.29 305	PFAKE	LR	22 32 50.0 +10		
ZAAO	comp=Z,700nm,19.0s Zalesovo Array	97.36 36	PFAKE	LR	22 32 50.0 +10		
ZALV	comp=Z,300nm,20.0s Zalesovo Beam	97.36 36	LR	LR	22 32 50.0 +10		
Y12C	comp=Z,286nm,20.6s,baaz=250,slow=3.7 Blythe	97.90 304	PFAKE	LR	22 32 50.0 +7.2		
ELK	comp=Z,600nm,21.0s Elko	97.94 311	PFAKE	LR	22 32 50.0 +6.9		
PLID	comp=Z,800nm,21.0s Pearl Lake	98.06 315	PFAKE	LR	22 32 50.0 +6.4		
NEW	comp=Z,600nm,19.0s Newport	98.45 319	PFAKE	LR	22 32 50.0 +5.0		
C09A	comp=Z,600nm,20.0s Chrisman Ranch	98.28 318	PFAKE	LR	22 33 00.0 +11		
D08A	comp=Z,800nm,20.0s Wollman Farm,	98.82 317	PFAKE	LR	22 33 00.0 +9.0		
B08A	comp=Z,800nm,21.0s Colville Reser	98.89 319	PFAKE	LR	22 33 00.0 +8.6		
J08A	comp=Z,700nm,18.0s Circle Bar Ran	100.04 314	PFAKE	LR	22 33 00.0 +7.8		
WVOR	comp=Z,400nm,21.0s Wild Horse Val	100.28 313	PFAKE	LR	22 33 00.0 +6.7		
KVN	comp=Z,700nm,20.0s Kaiserville	100.30 309	PFAKE	LR	22 33 00.0 +6.4		
NV01	comp=Z,600nm,21.0s Mina Array Sit	100.53 309	ePdif	Pdif	22 32 55.2 +0.5		
NVAR	comp=Z,0.1nm,0.3s,baaz=102,slow=4.2,SNR=2.2 Mina Array Bea	100.53 309	PP	Pdif	22 32 55.2 +0.5		
RYN	comp=Z,500nm,21.0s Ryan	100.68 309	PFAKE	LR	22 33 10.0 +15		
WMQ	comp=Z,500nm,21.0s Urumqi	100.69 46	PFAKE	LR	22 33 10.0 +15		
WMQ	comp=Z,300nm,19.0s Urumqi	100.69 46	eP	Pdif	22 32 57.0 +1.9		
WMQ	comp=Z,9.0nm,0.9s		pmax	pmax			
WMQ	comp=Z,70nm,4.5s		LR	LR			
WMQ	comp=Z,200nm,18.1s		LR	LR			
WMQ	comp=Z,170nm,16.9s		LR	LR			
WMQ	comp=Z,250nm,22.1s Pasadena Art C	100.90 304	PFAKE	LR	22 33 10.0 +14		
LTY	comp=Z,600nm,18.0s Liberty	100.97 318	PFAKE	LR	22 33 10.0 +14		
LLL	comp=Z,700nm,20.0s Lilloet	101.12 321	PFAKE	LR	22 33 10.0 +13		
PAHR	comp=Z,900nm,20.0s Pah Rah Range	101.20 310	PFAKE	LR	22 33 10.0 +12		
MDPB	comp=Z,800nm,21.0s Devils Postpil	101.23 308	PFAKE	LR	22 33 10.0 +12		
WAKR	comp=Z,300nm,19.0s Walker	101.40 309	PFAKE	LR	22 33 10.0 +11		
PNTR	comp=Z,600nm,22.0s Pine Nut	101.45 310	PFAKE	LR	22 33 10.0 +11		
VCNR	comp=Z,800nm,21.0s Virginia City	101.46 310	PFAKE	LR	22 33 10.0 +11		
MOD	comp=Z,900nm,22.0s Modoc Plateau	101.58 312	PFAKE	LR	22 33 10.0 +11		
PINE	comp=Z,800nm,20.0s Pine Mountain	101.75 314	PFAKE	LR	22 33 10.0 +10		
LON	comp=Z,500nm,20.0s Longmire	101.83 318	PFAKE	LR	22 33 10.0 +10		
D05A	comp=Z,700nm,20.0s Enumclaw	101.86 318	PFAKE	LR	22 33 10.0 +10		
RUBR	comp=Z,600nm,19.0s Rubicon Trail	101.89 310	PFAKE	LR	22 33 10.0 +9.3		
BEKR	comp=Z,900nm,22.0s Beckworth	101.93 310	PFAKE	LR	22 33 10.0 +9.2		
CMB	comp=Z,700nm,21.0s Columbia Cole	102.21 309	PFAKE	LR	22 33 10.0 +8.1		
PGC	comp=Z,300nm,20.0s Sidney	102.53 320	PFAKE	LR	22 33 10.0 +7.0		
AFDM	comp=Z,800nm,21.0s Forest Hills D	102.53 310	PFAKE	LR	22 33 10.0 +6.7		
ORV	comp=Z,700nm,22.0s Oroville	102.84 310	PFAKE	LR	22 33 10.0 +5.3		
NLWA	comp=Z,700nm,21.0s Neilton Lookou	103.08 318	PFAKE	LR	22 33 20.0 +14		
YBH	comp=Z,800nm,20.0s Yreka Blue Hor	103.39 313	PFAKE	LR	22 33 20.0 +13		
HUMO	comp=Z,700nm,20.0s Hull Mountain	103.41 313	PFAKE	LR	22 33 20.0 +13		
WDC	comp=Z,600nm,20.0s Whiskeytown Da	103.46 311	PFAKE	LR	22 33 20.0 +13		
DLBC	comp=Z,500nm,20.0s Dease Lake	103.55 330	PFAKE	LR	22 33 20.0 +13		
GDXM	comp=Z,600nm,18.0s Geysers	103.96 310	PFAKE	LR	22 33 20.0 +10		
MCCM	comp=Z,700nm,20.0s Marconi Confer	104.14 309	PFAKE	LR	22 33 20.0 +10		
HOPS	comp=Z,700nm,20.0s Hopland Field	104.14 310	PFAKE	LR	22 33 20.0 +10		
KHMM	comp=Z,1um,21.0s Horse Mountain	104.30 312	PFAKE	LR	22 33 20.0 +8.7		
LSA	comp=Z,700nm,20.0s Lhasa	105.43 60	PFAKE	LR	22 37 40.0 +9.2		
WRAK	comp=Z,300nm,22.0s Wrangell Islan	105.44 329	PFAKE	LR	22 37 40.0 +11		
SKAG	comp=Z,800nm,20.0s Skagway	105.68 332	PFAKE	LR	22 37 40.0 +10		
JIS	comp=Z,400nm,19.0s Juneau Island	105.73 331	PFAKE	LR	22 37 40.0 +10		
BESE	comp=Z,600nm,19.0s Bessie Mountain	105.83 332	PFAKE	LR	22 37 40.0 +10		
TIXI	comp=Z,800nm,19.0s Tiksi	106.26 11	PFAKE	LR	22 37 40.0 +10		

TIXI	comp=Z,300nm,19.0s Shilling	106.58 64	PFAKE	LR	22 37 40.0 +7.3		
BCPM	comp=Z,400nm,20.0s Bancas Point	107.40 334	PFAKE	LR	22 37 40.0 +7.1		
PCA	comp=Z,400nm,18.0s Pinnacle	107.60 334	PFAKE	LR	22 37 40.0 +6.6		
MDM	comp=Z,500nm,19.0s Murphy Dome	107.88 341	PFAKE	LR	22 37 40.0 +6.3		
PAX	comp=Z,700nm,18.0s Paxson	108.13 338	PFAKE	LR	22 37 40.0 +5.7		
TGL	comp=Z,200nm,20.0s Tana Glacier	108.34 336	PFAKE	LR	22 37 50.0 +15		
CRQM	comp=Z,400nm,20.0s Cirque	108.47 336	PFAKE	LR	22 37 50.0 +15		
MCK	comp=Z,500nm,19.0s McKinley	108.90 340	PFAKE	LR	22 37 50.0 +14		
TLY	comp=Z,300nm,20.0s Talya	108.94 35	PFAKE	LR	22 37 50.0 +14		
RND	comp=Z,400nm,22.0s Reindeer	109.08 340	PFAKE	LR	22 37 50.0 +14		
HMT	comp=Z,300nm,19.0s Hamilton	109.16 336	PFAKE	LR	22 37 50.0 +14		
RAGM	comp=Z,500nm,18.0s Ragged Mountai	109.31 336	PFAKE	LR	22 37 50.0 +13		
KAIM	comp=Z,400nm,20.0s Kayak Island	109.46 335	PFAKE	LR	22 37 50.0 +13		
SCM	comp=Z,500nm,18.0s Sheep Creek Mo	109.50 338	PFAKE	LR	22 37 50.0 +13		
EYAK	comp=Z,400nm,19.0s Cordova Ski Ar	109.65 336	PFAKE	LR	22 37 50.0 +13		
KTH	comp=Z,700nm,19.0s Kantishna Hill	109.69 340	PFAKE	LR	22 37 50.0 +13		
CAST	comp=Z,400nm,19.0s Castle Rocks	110.17 341	PFAKE</				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various other parameters. Includes entries like PAYA Payao, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various other parameters. Includes entries like CHOU Chosi, H11S1 WAKE ISLAND Hy 28.14 122, H11S2 WAKE ISLAND Hy 28.15 122, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various other parameters. Includes entries like ENH Enshi, H11S1 WAKE ISLAND Hy 28.14 122, H11S2 WAKE ISLAND Hy 28.15 122, etc.

NIED 22:23:24.00, 36.30N, 141.90E, h14km, Mw4.3 Best double couple: Ms3.71000x1015 NP13s177.00000, s23.00000, 1.61.00000, NP2s28.00000, s70.00000, 1.102.00000, IDC 22:23:24.41, 7.0, 36.19N, 141.36E, h0km, mb4.4/26, mb1.4/33, mb1mx4.5/41, mbtmp4.3/33, ML3.9/6, MS3.6/13, Ms1.6/13, ms1mx3.3/48, Error ellipse: s-maj=14.1km s-min=12.0km az=130.0

ISCJBJ 22:23:24.42, 6.0, 36.24N, 103.141.96E, h0.04, h19km, 5km, mb4.5/76, MS3.9/15, Error ellipse: s-maj=5.4km s-min=4.2km az=44.0

MOS 22:23:24.44, 6.1, 36.29N, 141.88E, h30km, mb4.9/29, MS4.1/5, Error ellipse: s-maj=9.0km s-min=5.2km az=105.2

23d Oh

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include RATU Laukkuluspa, KOVU Salmi, NIKU Ninkaluokta, etc.

MEX 22 23:30:35.7±0.4, 30.95N×110.11W, h20km±10km, MD3.5,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include CGIG Sonora, CGIG, HSIG, etc.

ISC 22 23:32:06.8±1.9, 51.52N×0.08±11E±0.06, h0km, n15,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include KSP Ksiaz, CHVC Chvalec, OSTC Oostas, etc.

WEL 22 23:33:19.1, 42°S, 174°E, h5km, 2km, M3.5/39,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

MAN 22 23:33:59.5, 13.37N, 121.17E, h11km, mb3.8, ML2.5,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include MAN 22 23:35:14.4±0.0, 49.83N×18.53E, h0km, Czech and Slovak Republics.

2013 JUL

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include OKC Ostrava-Krasne, MOK Moravsky Berou, etc.

ISC 22 23:41:37.9±3.8, 17.42S×178.34W, h515km, 32km, mb3.6/7,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include DZM Mont Dzumac, STKA Stephens Creek, etc.

ISC 22 23:41:40.8±1.7, 17.45S×178.5W±0.3, h547km, n32,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include DZM, STKA, WRA, ASAR, etc.

WEL 22 23:46:31.9, 42°S, 174°E, h14km, 2km, M3.6/47,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

1240

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include NIC 22 23:46:38.8±0.2, 35.00N×34.09E, h50km, ML2.5, etc.

ISC 22 23:46:43.1±1.1, 35.14N×0.04±33.78E±0.04, h7km±12km,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include PHNC Paralimni, PHNC, CSS Mathiatis, etc.

ISC 22 23:46:43.1±1.1, 35.14N×0.04±33.78E±0.04, h7km±12km,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include LEF Lefka, SZAC Souni, SZAC, etc.

WEL 23 00:08:52.0, 42°S, 174°E±0.7, h15km, 2km, M3.3/23,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

KRSC 23 00:15:21.5±0.7, 49.19N×156.40E, h15km±14km, ML3.6,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include SKR Severo-Kuril's, KRDR Khodutka, KOS Koryaka, etc.

WEL 23 00:16:41.9, 41.65S×0.9±174.3E±0.6, h12km, 2km, M3.2/24,

Table with columns: Code, Station Name, A° AZ°, Phase ID, Time Res, h m s ISC. Rows include CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

23d 1h

Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.). Includes stations like Alice Springs, Wangaratta, and various 'GSI' and 'WRKA' stations.

2013 JUL

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like Shillong, Usuriyark Arra, and various 'ARMA' and 'GTA' stations.

1242

Table with columns for station call letters, name, frequency, and various signal quality metrics. Includes stations like Zalesovo Array, Zalesovo Beam, and various 'ZAAO' and 'ZALV' stations.

23d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like JMK, JYS, JFY, etc.

2013 JUL

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZAK, ZAK, LZH, etc.

1244

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARU, ARU, KBL, etc.

23d 2h

ISCJB 23 02:24:02.1-0.3,22.94N,0.02:121.48E,0.02,h27km,2km, Error ellipse: s-maj=3.1km s-min=2.4km az=28.1 TAP 23 02:24:03.1,0.9,22.96N,0.02:121.43E,h35km,ML3.4,C ISC 23 02:24:03.1,0.9,22.96N,0.02:121.43E,0.02,h30km,6km, n95,e1503/139,8C-12D,Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like CHKT, TTN, TWGT, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like ET LH, WCHT, NNSB, etc.

SJA 23 02:37:41.8-0.6,20.60S,68.99W,h107km,4km,ML3.2, MW4.5 ISCJB 23 02:37:42.6-1.0,20.58S,0.03:69.08W,0.08,h111km,9km, Error ellipse: s-maj=13.2km s-min=4.8km az=177.0 GUC 23 02:37:43.0-0.6,20.55S,69.10W,h96km,3km,ML3.0 ISC 23 02:37:43.0-1.7,20.57S,0.03:69.05W,0.08,h106km,11km,n17,e061/33,3C-4D,Northern Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like PB08, PB01, GO01, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like HUIG, HUIH, VHO, etc.

KRNET 23 02:57:14.5-0.1,40.52N,77.32E,h15km,mb2.7 SOME 23 02:57:14.7,40.45N,77.38E,h10km NNC 23 02:57:15.9-0.9,40.55N,77.33E,h0km,mb3.6,mpv3.3, Error ellipse: s-maj=5.9km s-min=3.7km az=171.0 ISC 23 02:57:07.3-2.3,40.26N,0.09:77.41E,0.04,h3km,17km, n44,e1920/66,16C-4D,Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists stations like NRN, KDJ, ULHL, etc.

23d 3h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SONM, HKPS, H11N2, H11N1, H11N3, WAKE ISLAND, etc.

2013 JUL

Table with columns for station name, frequency, power, and other technical details. Includes stations like CMMT, CHTO, CHTO, CM31, CMAR, CMAR, CMAR, etc.

1248

Table with columns for station name, frequency, power, and other technical details. Includes stations like MDM, WRH, NRN, NRN, NRN, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like LHSI, LEM, MDSI, EPYK, GAR, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like D04E, LPSR, LPSR, KULLO, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like UOSS, UOSS, M04C, etc.

1251

Table with columns: CLL, Collm, 80.73 330, i P, P, 03 14 24.5 -0.6, etc. Lists various locations and their associated data points.

2013 JUL

Table with columns: EYMN, Ely, 83.37 32, P, P, 03 14 38.9 -0.2, etc. Lists various locations and their associated data points.

23d 3h

Table with columns: AQU, L'Aquila, 87.45 324, eP, P, 03 15 01.3 +1.7, etc. Lists various locations and their associated data points.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like BUKO, ALGO, BMRO, L46A, J48A, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like W41B, L53A, K54A, O50A, P49A, etc.

Table with columns: Station Name, Time, Res, ISC, h, m, s, ISC. Includes stations like TOA1, TOA1, TOR, TOR, TOR, etc.

SOME 23 03:12:09.8, 40.571N-77.50E, h0km
KRN23 03:12:09.1±0.1, 40.510N-77.37E, mb2.6
NNC 23 03:12:10.2±1.2, 40.533N-77.47E, h0km, mb3.6, mpv3.3

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

1255

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GB1A Borinquen Arri, ACON Acopya, etc.

KRNET 23 06:00:18.6:0.1, 39.56N:73.93E, mb3.5, NNC 23 06:00:18.1:1.0, 39.60N:74.06E, h0km, mb4.0, mpv3.6, Error ellipse: s-maj=7.4km s-min=3.9km az=172.0

ISC 23 06:00:19.9:1.3, 39.62N:0.06:73.95E:0.04, h10km, n38, c197/52, 16C-16D, Tajikistan-Xinjiang border region

Main table for 1255 section, listing stations like DRK Karamyk, ARSB Arslanbob, ARLS Aral, etc., with their respective coordinates and parameters.

DDA 23 06:07:18.8, 38.68N:43.21E, h7km, 4km, ML2.9, ISK 23 06:07:18.0, 38.67N:43.22E, h13km, ML2.2, ISCJB 23 06:07:19.0:0.8, 38.63N:0.04:43.28E:0.05, h25km, 9km, Error ellipse: s-maj=7.5km s-min=4.6km az=135.8

2013 JUL

Table for 2013 JUL section, listing stations like n11, 054/22, Turkey, VANB Van, TVAN TVAN, etc., with their respective coordinates and parameters.

JMA 23 06:26:20.2:0.2, 25.31N:142.90E, h4km, M4.0, Volcano Islands region

Table for JMA section, listing stations like JHH2 Haha-jima-NKT2, JHH2 Haha-jima, CBJJ Chichi jima, etc.

WEL 23 06:29:34.8, 41.75S:0.9, 174.2E:0.7, h11km, 1km, M3.4/24, ML3.6/18, MLV3.4/24, Error ellipse: s-maj=0.0km, s-min=0.0km az=168.1, Cook Strait

Main table for 2013 JUL section, listing stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc., with their respective coordinates and parameters.

IDC 23 06:36:44.5:3.9, 30.51N:140.97E, h0km, mb3.6/3, mb1 3.8/4, mb1mx3.4/30, mbtmp3.6/4, ML3.1/1, MS2.3/1, Ms1 2.3/1, ms1mx1.9/24, Error ellipse: s-maj=158.6km s-min=25.4km az=73.0, Southeast of Honshu

Table for IDC section, listing stations like MJAR Matushiro Arr, KRSR Korea Array, MKAR Makanchi Array, etc.

NSSC 23 06:49:32.1:0.8, 34.01N:36.12E, h16km, 4km, ML1.8, GRAL 23 06:49:36.1:0.3, 33.86N:35.82E, h0km, 43km, MD2.7, ISC 23 06:49:32.4:1.6, 33.95N:0.07:35.96E:0.05, h7km, 15km, n7, c0945/12, Jordan-Syria region

Table for NSSC section, listing stations like BHL Hannes, HWQ Hawqa, DQRL Deir Qamar, etc., with their respective coordinates and parameters.

Table for 23d 7h section, listing stations like TOTH TOTAH, TOTH TOTH, TOTH TOTH, with their respective coordinates and parameters.

IDC 23 06:56:38.1:7.3, 17.37S:177.21W, h0km, mb4.2/2, mb1 4.5/2, mb1mx3.6/36, mbtmp4.2/2, Error ellipse: s-maj=318.6km s-min=114.3km az=151.0, Fiji Islands region

Table for IDC section, listing stations like WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, etc.

NIED 23 06:57:00.26:60N:141.90E, h65km, Mw4.0 Best double couple: M=1, 22000x1015, NP1:0.177, 000000, 852.000000, 140.000000, NP2:0.60, 000000, 859.000000, 134.000000, Bonin Islands region

IDC 23 06:58:50.4:1.7, 36.61N:142.50E, h0km, mb3.4/2, mb1 3.7/4, mb1mx3.4/36, mbtmp3.6/4, ML3.4/2, MS2.5/1, Ms1 2.5/1, ms1mx1.9/24, Error ellipse: s-maj=35.8km s-min=24.4km az=128.0

JMA 23 06:58:49.9:1.7, 0.4, 36.80N:142.33E, h21km, M3.4, ISC 23 06:58:49.9:1.7, 36.86N:0.06:142.33E:0.07, h5km, 13km, n28, c150/30, Off east coast of Honshu

Main table for 23d 7h section, listing stations like ONAJ Iwakimizuishiy, JFH Kawachi, JFH Hitachi, etc., with their respective coordinates and parameters.

NNC 23 07:03:52.2:1.7, 41.73N:78.24E, h0km, mb3.6, mpv3.2, 3C-1D, Error ellipse: s-maj=12.3km s-min=5.9km az=166.0, Suspected Mining explosion, Kyrgyzstan-Xinjiang border region

Table for NNC section, listing stations like IZV Izvestkoviy, IZV Izvestkoviy, PDGK Podgornoye, etc., with their respective coordinates and parameters.

SJA 23 07:10:42.5:0.5, 24.50S:68.02W, h205km, 11km, ML3.1, MW4.8, ISCJB 23 07:10:45.0:4.0, 24.52S:0.03:67.99W:0.05, h157km, 7km, Error ellipse: s-maj=7.2km s-min=4.5km az=1.0

IDC 23 07:10:45.4:1.2, 24.55S:67.81W, h127km, 16km, mb3.7/3, mb1 3.6/7, mb1mx3.4/27, mbtmp4.0/7, Error ellipse: s-maj=27.1km s-min=12.6km az=81.0

NEIC 23 07:10:45.9:1.4, 24.52S:67.95W, h164km, 16km, mb4.3/3, MD4.8(SJA), Error ellipse: s-maj=22.8km s-min=6.3km az=92.0

GUC 23 07:10:47.8:0.6, 24.41S:68.26W, h150km, 8km, ML3.5, ISC 23 07:10:46.0:0.8, 24.51S:0.04:67.95W:0.05, h151km, 9km, n35, c137/53, Chile-Argentina border region

Table for GUC section, listing stations like GO02 Mina Guanaco, with their respective coordinates and parameters.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mina Guanaco, IPOC Station P, Limon Verde, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Horco Molle, Copiap, IPOC Station P, etc.

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Buena Vista, Borinquen Arri, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kidapawan, Cotabato-PC H, etc.

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

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

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

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

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

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

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

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

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

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zaisan, Tokmak 2, etc.

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

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

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

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

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

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

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

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

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

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like MLAC Mammoth, J01E Myrtle Point, BELC Belle Min. Jos, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like H17A Grant Village, SDCO Great Sand Dun, CM31 Chiang Mai Arr, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like TESSR Tescani, KOLS Kolonick sedl, KOLS Kolonick sedl, etc.

23d 8h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HAPS Han Pijesak, BLY Banja Luka, BOJUS Bojanci, etc.

MEX 23 08:13:51.5±0.8, 27.24N±11.21W, h21km±33km, MD3.8, Gulf of California. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

NSSC 08:23:13.7±0.4, 33.93N±35.74E, h11km±2km, ML2.2
ISCJB 23 08:23:14.9±1.2, 33.88N±0.05±35.75E±0.07, h17km±13km, Error ellipse: s-maj=10.3km s-min=8.1km az=169.9

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like NSCC 08:23:13.7±0.4, 33.93N±35.74E, etc.

MEX 23 08:24:21.4±0.8, 27.17N±11.14W, h16km±27km, MD3.6, Gulf of California. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

IDC 23 08:24:32.5±1.2, 44.01N±84.81E, h0km, mb3.7/5, mb1 3.8/10, mb1mx3.6/38, mbtmp3.8/10, ML3.5/5, MS2.5/3, MS1 2.5/3, ms1mx2.3/36, Error ellipse: s-maj=25.1km s-min=14.0km az=62.0

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

2013 JUL

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KTMS Katmen, KTMS Katmen, KTMS Katmen, etc.

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

MAN 23 08:26:13.4, 4.72N±12.584E, h196km, mb4.3, ML3.1, MS2.9, ID, Taloud Islands. Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res.

TAP 23 08:38:58.9±0.2, 24.36N±121.97E, h28km, ML2.9, C JMA 23 08:38:58.9±0.2, 24.26N±121.97E, h39km±4km, M2.3

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like EOS1 Eos1, EOS1 Eos1, EOS1 Eos1, etc.

Table with columns: CHGB, YJNG, EGFH, WLTB, YM01, YOJ, YOJ, YM10, YM05, YM04, YM08, TWS1, YM03, YL03, LIOB, NTST, NSTT, WVDT, TWY, HGSD, DPDB, EHY, ESH, SSLB, NMLH, TWQ1, TWQ1, TYC, TYC, NSY, YULB, YULB, TW1, PTBS, PTBS, WJS, YUS, YUS, IRIF, CHN4, CHN4, TPUB, WTP, WTP, TWK, JKRS, SLGT, SLGT, JIJ, JIJ, JISG, PHUB, PHUB, WDGJ, WDGJ, VCHM, LYJJ, XPSS, BUJ 23 08:46:47.1±0.0,34:55N,104:21E,h7km,mb3.8/1, ML3.4/15,Ms3.3/3,Ms7 3.1/2, Gansu

Table with columns: Gaotai, Baotou, Urumqi, RSNC 23 08:51:28.4±1.2,6:86N-76:30W,h0km,6km,ML3.1,Mw3.7, 1C,Northern Colombia, Dabeiba, Santa Helena, Bahia Solano, Bahia Solano, Zaragoza, Cauca, PUERTO BERRIO, Norcasia, San Jose del P, El Recreo, San Pablo de B, Barranca, Sant, El Rosal, Yotoco, Valle, San Martin de, Giron, Santand, Barichara, Ortega, Tolima, San Jacinto, C, Ocana, Chingaza, Prado, Agustin Codazz, Isla Barro Col, Tame, Arauca, Eskisehir, Eskisehir, Saricakaya, Es, Kirka- Seyitga, MIHALICIK, Sivrihisar-ESK, Gulveren, Tavsani, Bolvadin, BOLU, Kizilcal, Uludag, Bislig, Lanzhou, Lanzhou, Lanzhou, Lanzhou, Xi'an, Xi'an, Xi'an, Xi'an, Xi'an, Xi'an, Vladivostok, Vladivostok

Table with columns: Mys Shultsa, Gornotajezhnoj, Ussuriysk Arra, Ussuriysk Ar, Mudanjiang, Ternei, Okushi-Mats, Oga3, Hiyamasetana, Higurama jima, Oshimatsumae, Shima, Iwasaki, Yakumo 2, Shiriuchi, Shiura 2, Shakotan, Sado, Hiroshikihyakuz, Tobi-shima, Kayabe, Ohata, Changchun, Korea Array, Wouju Array Si, Rokugo, Hokuryu, Hiroka, Matushiro, Matushiro, Matushiro, Matushiro, Keihoku, Marumori, Asahikawa, Inuyama, Kuldur, Erimo, Erimo, Ryogami san, Kawauchi, Churui, Abashiri-Toko, Odawara 2, Yuzh-Sakhalins, Yuzh-Sakhalins, Yuzh-Sakhalins, Nemuro 2, Tuman, lagunoye, Boso 1, Hachijo jima 2, Mitsune, Tymovskoe, Ekimchan, Kuril'sk

23d 9h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like KUR, HIA, BJT, etc.

2013 JUL

Table with columns for call sign, frequency, power, and other technical details. Includes stations like BVAR, BRVK, BVRV, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like KBS, SKAG, GEYT, etc.

23d 10h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Paso Flores, Lajitas Array, TORDI Ar. Bea, MJAR Matsushiro Arr, SONMG Songo Array.

ISCJB 23 09:48:48.6.1.3.8:92S:0:05:78:70W:0:07, h69km, 12km, mb4.5/85, Error ellipse: s-maj=12.8km s-min=6.7km

ARE 23 09:48:50.0.0.0.9:08S:78:90W, h69km, mb4.6/88, NEIC 23 09:48:50.8.1.7.9:05S:78:66W, h79km, 5km, mb4.6/88, M.L.4.(7ARE), Error ellipse: s-maj=16.1km s-min=7.5km

NEIC Felt [V] at Chimboite, [III] at Trujillo and [II] at Huaraz. IDC 23 09:48:51.5.0.6.9:05S:78:78W, h82km, 5km, mb4.0/14, mb1.4/17, mb1mx4.0/33, mbtmp2/17, MS3.1/3, Ms1.3/2.3, ms1mx2.7/31, Error ellipse: s-maj=14.1km s-min=6.9km az=77.0

ISC 23 09:48:50.8.0.4.9:04S:0:05:78:70W:0:08, h79km, 3km, n799m:pp-P, n131, n197/159, mb4.5/85, Near coast of northern Peru

Main table of station data for the 23d 10h period, listing various stations like ATAH, NNA, NNA, LPAZ, etc., with their respective coordinates and parameters.

2013 JUL

Main table of station data for the 2013 JUL period, listing various stations like KNB, PKCU, O20A, etc., with their respective coordinates and parameters.

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MAN 23 09:59:21.8.13:29N-120:87E, h42km, mb3.6, ML2.4, MS1.8, 1D, Mindero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like Puerto Galera, Chusmiza, IPOC Station P, etc.

ISCJB 23 10:12:11.0.0.4.19:71S:0:03:69:34W, h111km, 3km, mb3.6/5, Error ellipse: s-maj=9.0km s-min=5.0km az=171.6

SJA 23 10:12:11.0.0.5.19:78S:69:34W, h106km, 3km, ML3.3, MW4.1

IDC 23 10:12:12.9.1.4.0.7.19:73S:68:99W, h112km, 1.4km, mb3.4/8, mb1.3/6.12, mb1mx3.5/31, mbtmp3/8.12, Error ellipse: s-maj=19.5km s-min=12.0km az=104.0

GUC 23 10:12:12.2.0.7.19:75S:69:30W, h97km, 3km, ML3.9, ISC 23 10:12:11.4.0.7.19:72S:0:04:69:24W:0:06, h102km, 5km, n35, r122/45, mb3.5/5, Northern Chile

Main table of station data for the 23 10:12:11.0.0.4.19:71S:0:03:69:34W period, listing various stations like GO01, PB08, NMMC, etc., with their respective coordinates and parameters.

WEL 23 10:17:52.3.41'S:323°:17'4E:7h, h20km, 152km, M3.0/12, ML3.2, Error ellipse: s-maj=0.5km s-min=0.1km az=177.7, Cook Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, ISC. Includes stations like NGZ, TWZ, KWHZ, etc., with their respective coordinates and parameters.

WEL 23 10:29:57.5.41'S:4°:17'4E:7h, h12km, M3.7/31, ML4.0/23, ML3.7/31, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0, Cook Strait

Main table of station data for the 23 10:29:57.5.41'S:4°:17'4E:7h period, listing various stations like TORI, Baring Head, CMWZ, etc., with their respective coordinates and parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WAZ, DVHZ, TSZ, ANWZ, etc.

SJA 23 10:32:03.7.0.5.21.29S;68.48W, h167km, 12km, ML2.8, MW4.1

ISCJB 23 10:32:07.3.1.1.21.57S;0.05:68.6W:0.1, h145km, 13km, Error ellipse: s-maj=15.6km s-min=8.1km az=177.5

GUC 23 10:32:07.6.0.7.21.55S;68.62W, h141km, 6km, ML3.0

ISC 23 10:32:07.9.2.0.21.52S;68.55W:0.09, h143km, 18km, n14, a11026, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB09, PB01, PB07, etc.

IDC 23 10:32:26.9.1.3.16.41S;174.02W, h0km, mb4.0/6, mb1 4.2/6, mb1mx3.8/43, mbtmp4.0/6, Error ellipse: s-maj=37.8km s-min=29.1km az=110.0

ISCJB 23 10:32:30.7.0.5.16.33S;0.08:174.22W:0.08, h35km, mb4.4/15, Error ellipse: s-maj=13.4km s-min=8.1km az=136.9

NEIC 23 10:32:35.5.1.6.16.47S;174.14W, h63km, 8km, mb4.4/12, Error ellipse: s-maj=17.0km s-min=10.7km az=84.0

ISC 23 10:32:33.0.0.7.16.50S;0.07:174.13W:0.09, h35km, n23, a1537/24, mb4.3/15, Tonga Islands

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

MOS 23 10:35:25.3.1.0.54:06N;165:29W, h50km, mb4.6/35,

Error ellipse: s-maj=10.8km s-min=5.5km az=79.6
ISCJB 23 10:35:29.2.0.2.54:20N;0.02:165:20W:0.03, h80km, 1km, mb4.4/14, Error ellipse: s-maj=4.1km s-min=2.1km az=158.3
AEIC 23 10:35:29.4.53:97N:165:15W, h66km, ML4.6, MB4.5(NEIC)
IDC 23 10:35:29.2.1.7.54:19N:165:39W, h68km, 13km, mb4.0/26, mb1 4.2/29, mb1mx4.1/50, mbtmp4.3/29, MS3.2/19, MS1 3.2/19, ms1mx3.1/35, Error ellipse: s-maj=16.1km s-min=10.1km az=173.0
NEIC 23 10:35:29.4.0.0.53:97N:165:15W, h66km, mb4.5/111, ML4.6(AEIC), After 453
NEIC Felt at Akutan and Unalaska.
ISC 23 10:35:29.6.0.7.54:10N:0.06:165:25W:0.04, h73km, 5km, n493, a1915/524, mb4.5/144, 1.C, Fox Islands

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

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

23d 10h

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Table with columns: YMR, GCMT, YNR, YFT, PAGB, H17A, H17A, IMW, RLMT, RLMT, VES, CWC, GRAC, PKM, R11A, R11A, ISA, ISA, DAC, DAC, LAO, LAO, FURC, TPNV, TPNV, TPNV, BW06, PDAR, PDAR, FCC, FCC, KLR, KLR, GSC, BFSC, SRU, SRU, K22A, K22A, BELC, PFO, CPE, RSSD, RSSD, RSSD, IRM, O20A, O20A, MONP2, BAR, H11N2, H11N3, H11N1, IKP, PV09, Y12C, PV16, USRK, USRK, PV03, ULM, H11S1, H11S2, H11S3, AGNM, S22A, 214A, SDCO, SDCO, TUC, KSCO, KSCO, T25A, ECSD, ANMO, ANMO, LENM, Y22D, BNM, BGNE, 121A

Table with columns: MNTX, MNTX, DAG, DAG, SPA0, SPA0, SUMG, SUMG, WMOK, WMOK, WMOK, M41A, D47A, K43A, TX31, LTX, LTX, LTX, TXAR, TXAR, TXAR, L44A, D49A, MATO, CCM, LSQQ, WHTX, VLDQ, ES1A, SFIN, CHGQ, SCHO, SCHO, SONA, SONM, L48A, N47A, P46A, D53A, D53A, F52A, E52A, S44A, BUKO, N48A, D54A, E53A, ALGO, O48A, E54A, L50A, N49A, G53A, PEMO, BANO, PLVO, PLVO, DELO, DELO, T47A, I55A, HHC, HHC, H55A, WVT, WVT, WVT, TRQ, LATQ, OXF, OXF, Q50A, H56A, R51A, T50A, Q52A, LONY, LONY, W48A, O54A

Table with columns: N55A, N55A, ARA0, ARA0, ARCES, ARCES, AREO, AREO, NCB, TRO, MOQ, BINY, O56A, SSPA, U52A, KTK1, R54A, L58A, N57A, LVZ, LVZ, LVZ, O57A, LBNH, S55A, ZAA1, ZALV, ZALV, O57A, O58A, PAGS, N59A, T55A, W53A, PKME, O59A, B57A, U52A, STEI, N60A, R57A, K5CT, M61A, N55, LZH, LZH, LZH, LZH, LZH, MOL, AKN, DOMB, MK3Z, MKAR, MKAR, WMQ, WMQ, WMQ, FIAO, FIAO, FIAO, FINES, FINE5, SUE, NC405, NB201, NB2, NB2, NB200, NOA, SKAR, NC602, ASK, BER, CD2, ODDA, KONO, BLS5, SNART, ESK, ESK, ABKAR, BOOM, BOOM, KKAR, KKAR, PPT, AKASO, AKBB, AKBB, CLL, CLL, CLL, BRG

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SUJI Sorong, GAR Garm, DPC Dobruska-Polom, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like WRI Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MEX 23 11:08:11.7,0.6,18.58N,103.06W, etc.

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

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

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

ISCJB 23 12:21:29.70.5.22.6S:0.1:69.4E:0.1, h10km, mb4.1/16, MS3.9/19, Error ellipse: s-maj=16.0km s-min=13.5km az=136.6

IDC 23 12:21:30.1:0.7.22.66S:69.39E, h0km, mb3.9/11, mb1.4/11.1, mb1mx3.9/6.5, mbmp3.9/11, MS3.9/19, MS1.3.9/19, ms1mx3.7/2.9, Error ellipse: s-maj=22.2km s-min=20.7km az=33.0

NEIC 23 12:21:31.6:1.4.22.59S:69.36E, h10km, mb4.0/8, Error ellipse: s-maj=27.7km s-min=24.0km az=271.0

GCMT 23 12:21:35.6:0.3.22.44S:0.03:69.35E:0.02, h12km, MW4.8/73, Moment Tensor Solution, s20, c22, s73, c95; Duration: 0 Moment tensor: Scale 10^19Nm; Mr: 1.91e+06; Mw: 0.75e+07; M0: 1.16e+06; Mw0.07e+26; Mw-1.09e+06; Mw0.33e+24; Best double couple: Mw0.210700e+10; NP1=148.00000°, 648.00000°, -79.00000°; NP2= 69.3120000°, 343.00000°, -102.00000°; Principal axes: TW1Z 2.0750, Azm231.0000°, N -0.11e+11; Plg8.0000°, Azm321.0000°; P -1.9580, Plg81.0000°; Azm120.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 23 12:21:31.7:0.6.22.66S:0.1:69.4E:0.1, h10km, n42, o561/24, mb4.1/16, MS3.9/19, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like H08S1, H08S2, H08S3, etc.

NNC 23 12:22:39.7:9.6.40.41N:62.87E, h0km, mb3.6, mpv3.3, 11C-4D, Error ellipse: s-maj=175.8km s-min=62.4km az=137.0, Northwestern Uzbekistan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like GYA0B, GYA0B, GYA0B, etc.

WEL 23 12:25:41.2.42'S:117.43E:1.0, h12km, M3.4/23, M3.6/19, MLV3.4/23, Error ellipse: s-maj=0.0km s-min=0.0km az=139.4, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like CMWZ, TUWZ, BSWZ, etc.

ISCJB 23 12:30:53.0:1.2.44.66N:0.06:82.4E:0.1, h10km, Error ellipse: s-maj=12.5km s-min=6.7km az=38.1, NNC 23 12:30:52.7:1.3.44.71N:82.00E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=14.6km s-min=6.1km az=125.0, ISC 23 12:30:48.5:1.9.44.65N:0.05:82.36E:0.09, h10km, n24, o580/37, 2C-4D, Northern Xinjiang

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

SJA 23 12:38:29.8:0.3.32.12S:68.71W, h15km, 14km, ML2.5, MW3.5, Mendoza Province

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

IDC 23 13:12:13.9:2.2.4:35S:153.09E, h0km, mb4.1/3, mb1.4/24, mb1mx3.7/3.2, mbmp4.1/4, ML1.1/1, MS3.0/1, MS1.3.0/1, ms1mx2.5/1.9, Error ellipse: s-maj=76.9km s-min=35.2km az=125.0, NEIC 23 13:12:18.6:1.9.4.44S:153.22E, h35km, mb4.0/3, Error ellipse: s-maj=31.1km s-min=17.4km az=61.0, ISC 23 13:12:18.9:1.7.4.45S:0.1:153.2E:0.1, h35km, n19, o5107/14, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes TORO, TOA1, etc.

ISCJB 23 13:38:16.9,0.4,64.95N,0.02,20.66E,0.07,h0km, Error ellipse: s-maj=4.3km s-min=3.5km az=178.6

UPP 23 13:38:18.1,0.1,64.93N,20.59E,h0km,ML2.3,Explosion

ICC 23 13:38:19.0,0.9,64.91N,20.56E,h0km,mb1.2,6.3,

BER 23 13:38:21.1,2.3,64.91N,20.79E,h0km,ML1.5,Suspected explosion

Main table for station data in the left column, including codes like BURU, LILU, ODEU, etc.

WEL 23 13:41:46.4,41.5S,0.6,174.4E,0.8,h15km,1km,M3.8/28, ML3.9/19,MLV3.8/28, Error ellipse: s-maj=0.6km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes CMWZ, TCW, BHW, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes NGZ, INZ, OXZ, etc.

NIED 23 13:57:00.39,10N,142.40E,h35km,Mw3.7 Best double couple: M4.67000,1014 NP1.0=173.00000,841.00000,

ICC 23 13:57:27.6,1.3,39.09N,142.71E,h0km,mb3.9/5, mb1.3/9,mb1mx3.6/32,mbtpp3.8/9,ML3.2/4,MS2.6/5,

ISCJB 23 13:57:29.5,1.1,39.10N,0.03,142.80E,0.07,h19km,7km, MS2.6/5,MS2.7/1, Error ellipse: s-maj=6.7km s-min=4.6km

JMA 23 13:57:32.1,0.1,39.11N,142.44E,h31km,1km,M3.9, JMA Felt J1,

NEIC 23 13:57:34.0,0.8,39.11N,142.58E,h47km,7km,mb4.0/1, Error ellipse: s-maj=13.9km s-min=5.0km az=107.0

ISC 23 13:57:29.7,1.9,39.03N,0.04,142.53E,0.07,h15km,1.1km, n38,az22/46,mb3.9/5,Near east coast of eastern Honshu

Main table for station data in the right column, including codes like OFUJ, MIYJ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes YOJ, YONJ, etc.

TAP 23 14:08:18.9,24.27N,121.46E,h6km,ML0.7,1D,C,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes ET LH, NACS, etc.

ICC 23 14:12:35.9,2.4,35.71N,71.45E,h0km,mb3.6/5, mb1.3/7.0,mb1mx3.5/40,mbtpp3.6/10,ML3.4/5, Error ellipse: s-maj=48.6km s-min=21.7km az=139.0

ISCJB 23 14:12:47.0,0.4,36.32N,0.04,70.96E,0.05,h100km, mb3.4/4, Error ellipse: s-maj=6.0km s-min=4.8km az=31.3

NNC 23 14:12:54.9,2.0,36.78N,70.76E,h145km,37km,mb3.3, mpv4.1, Error ellipse: s-maj=20.0km s-min=11.1km

ISC 23 14:12:50.1,0.8,36.50N,0.07,70.96E,0.06,h100km,n35, az293/41,mb3.5/4,8C-1D,Hindu Kush region

Main table for station data in the right column, including codes like UCH, KZA, EK2S, etc.

MEX 23 14:33:57.6,0.9,16.34N,96.18W,h59km,12km,MD3.8, Oaxaca

Table with 4 columns: WHO, Visto Hermosa, 0.90 324 eP, Pn, 14 34 13.1 -1.5

WEL 23 14:41:14.0, 38.85, 0.5, 176.0E, 0.6, h9km, 1km, M3.4/40, ML3.6/30, MLv3.4/40, Error ellipse: s-maj=0.0km

Main table for 23d 14h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

GUC 23 14:52:59.6, 0.6, 181.61S, 69.87W, h96km, 3km, ML3.5 SJA 23 14:53:42.1, 0.4, 21.18S, 68.60W, h59km, 10km, ML2.6, MW2.9

ISC 23 14:52:58.7, 2.0, 18.5S, 0.1, 69.9W, 0.1, h100km, n15, r146/19, 4C-3D, Northern Chile

Main table for 23d 14h (continued) with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 23 14:55:44.9, 0.2, 24.02N, 0.01, 121.67E, 0.02, h39km, 4km, Error ellipse: s-maj=2.9km s-min=1.9km az=40.1

JMA 23 14:55:44.6, 0.2, 24.02N, 0.01, 121.67E, h38km, 2km, M2.4 TAP 23 14:55:44.3, 23.99N, 121.61E, h43km, ML2.8, C

ISC 23 14:55:45.3, 1.0, 24.02N, 0.02, 121.64E, 0.02, h34km, 1km, n77, 0.68/135, 1C, Taiwan

Main table for 2013 JUL (continued) with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Main table for 23d 14h (continued) with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 23 14:58:36.2, 0.5, 24.02N, 0.01, 122.42E, 0.01, h10km, 4km, Error ellipse: s-maj=2.5km s-min=2.2km az=157.4

JMA 23 14:58:36.8, 0.2, 24.00N, 0.01, 122.42E, h18km, 4km, M2.2 TAP 23 14:58:37.7, 24.09N, 122.38E, h24km, ML3.0, D

ISC 23 14:58:37.2, 1.3, 24.04N, 0.02, 122.40E, 0.02, h21km, 4km, n79, 0.68/138, Taiwan region

Main table for 23d 14h (continued) with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC

Table with columns: NDT, Datong Townshi, 0.99 305, P, Pn, 14 58 55.8, 0.0, baz=301, eS, Sn, 14 59 08.9, -0.3, SLBB, baz=301, Yuanshan, 1.00 316, P, Pn, 14 58 56.0, -0.1, SLBB, baz=313, Datong, 1.01 293, P, Pn, 14 58 55.7, +0.1, NNSB, baz=289, Datong, 1.02 293, P, Pn, 14 58 56.5, +0.1, NNS, baz=289, Nan Shan, 1.05 276, P, Pn, 14 58 56.4, -0.4, WHF, Hehuan Shan, 1.05 276, P, Pn, 14 58 56.0, -0.7, HGSD, Ruisui, 1.07 331, P, Pn, 14 58 56.6, -0.4, TIPB, Shuangxi, 1.12 242, P, Pn, 14 58 57.3, -0.4, EHY, Hungye, 1.12 271, eP, Pn, 14 58 57.7, -0.2, CHGB, Renai, 1.13 304, P, Pn, 14 58 57.9, 0.0, YHNB, Yeheng, 1.14 281, eS, Sn, 14 59 13.7, +0.5, TWT, Tachien, 1.14 281, eS, Sn, 14 58 58.1, 0.0, NSK, Sanguang, 1.18 331, eP, Pn, 14 59 13.1, -0.1, NSK, baz=288, Wufen Shan, 1.18 331, eP, Pn, 14 59 14.5, +0.6, NWF, Wufen Shan, 1.18 331, eP, Pn, 14 58 58.2, -0.2, WFSB, Wufen Shan, 1.19 256, P, Pn, 14 58 58.6, 0.0, WFSB, WVDT, 1.19 256, P, Pn, 14 59 13.2, -0.8, WVDT, WVDT, 1.20 322, P, Pn, 14 58 59.4, +0.2, TWA, baz=242, Mucha, 1.20 322, P, Pn, 14 59 14.3, -0.1, TWA, baz=328, YULB, 1.20 238, P, Pn, 14 58 58.0, -0.8, YULB, baz=226, Xindian Distri, 1.22 319, eP, Pn, 14 59 00.2, +0.6, NHDH, Xindian Distri, 1.22 319, eP, Pn, 14 59 15.5, +0.6, NHDH, baz=306, Yuli, 1.22 236, eP, Pn, 14 59 14.7, -0.3, TWF1, Yuli, 1.25 76, P, Pn, 14 59 16.4, +0.8, IRIF, Iriomote-Funau, 1.25 318, P, Pn, 14 59 16.3, +0.5, TATO, Taipei, 1.28 89, eS, Sn, 14 59 15.8, -0.6, HATJ, Hateruma jima, 1.32 308, eS, Sn, 14 59 15.8, -1.9, WLTB, Davi, 1.33 226, eP, Pn, 14 59 18.7, +0.3, CHKT, Chengkung, 1.35 260, eP, Pn, 14 59 00.6, -0.2, YM01, YM01, 1.35 260, eP, Pn, 14 59 01.1, +0.3, SSSL, Suanglung, 1.35 270, eP, Pn, 14 59 01.1, -0.1, DPDB, Guoxing, 1.35 259, eP, Pn, 14 59 00.6, -0.3, YM10, YM10, 1.36 326, eP, Pn, 14 59 01.1, +0.2, YM05, YM05, 1.36 326, eP, Pn, 14 59 01.3, +0.3, YM04, YM04, 1.36 325, eP, Pn, 14 59 18.1, -0.4, YM04, YM08, 1.36 327, eP, Pn, 14 59 19.0, 0.0, YM03, YM03, 1.38 325, eS, Sn, 14 59 02.2, -0.2, SMLT, Sun Moon Lake, 1.38 264, eP, Pn, 14 59 18.4, -0.7, SMLT, ANP, 1.40 325, eP, Pn, 14 59 01.8, -0.2, LIOB, Emei, 1.40 296, eP, Pn, 14 59 02.8, +0.6, LIOT, Nanjuang, 1.41 295, eP, Pn, 14 59 20.2, -0.2, NNST, Yuchr, 1.42 265, eP, Pn, 14 59 20.3, -0.3, TYC, Chenhua, 1.43 329, eP, Pn, 14 59 21.6, +0.6, TWY, YU-Shan, 1.44 248, eP, Pn, 14 59 20.3, -0.6, YUS, YUS, 1.46 257, eP, Pn, 14 59 04.6, +0.6, JKR8, Kuro-shima, 1.48 82, P, Pn, 14 59 23.9, +1.6, JKR5, Liyutan, 1.52 282, eP, Pn, 14 59 25.0, +1.4, TWQ1, Lidau, 1.53 237, eP, Pn, 14 59 03.1, -0.3, ELDTW, Zhushan, 1.55 262, eP, Pn, 14 59 26.3, +2.0, WJS, Mingjian, 1.58 265, eS, Sn, 14 59 25.5, +0.2, WNT, Taichung, 1.58 274, eS, Sn, 14 59 26.8, +1.5, TCU, Ishigaki jima, 1.62 78, P, Pn, 14 59 04.6, +0.1, JJI, Beinan, 1.72 225, eP, Pn, 14 59 05.8, -0.1, TWGBT, Pinlang, 1.72 226, eP, Pn, 14 59 08.2, -0.3, TWG, Douliu, 1.74 259, eP, Pn, 14 59 31.4, +1.5, WDLH, Tauiuan, 1.74 240, eP, Pn, 14 59 06.8, +0.5

Table with columns: baz=229, eS, Sn, 14 59 28.4, +0.5, STYT, baz=229, Ta-pu, 1.82 245, eP, Pn, 14 59 08.2, +0.9, WTP, baz=244, Ishigakijimahi, 1.82 72, P, Pn, 14 59 07.7, +0.4, JISG, Erlin, 1.88 266, eS, Sn, 14 59 33.9, +0.1, RLNB, Hsinying, 1.92 247, eP, Pn, 14 59 09.8, +1.2, TWK, Liugui, 1.92 238, eP, Pn, 14 59 10.0, +1.4, SLGT, Ta-cheng, 1.95 265, eS, Sn, 14 59 35.8, -0.1, WTCT, Taimali, 1.96 223, eS, Sn, 14 59 33.1, 0.0, ECL, WSF, 2.04 259, eS, Sn, 14 59 38.2, -0.2, WSF, Sandimen, 2.08 232, eP, Pn, 14 59 10.8, 0.0, SSD, Sandimen, 2.16 229, eP, Pn, 14 59 37.1, +1.1, SSD, Mashibuluo, 2.16 229, eP, Pn, 14 59 12.4, +0.5, MASBT, Mashibuluo, 2.16 229, eP, Pn, 14 59 39.7, +1.6, MASBT, Tarama, 2.18 74, eS, Sn, 14 59 39.6, +1.0, JTJ, Anshuo, 2.18 221, eP, Pn, 14 59 12.2, 0.0, EAST, ISK 23 15:00:36.9, 41.73N, 32.49E, h2km, ML2.5/10, ISCJB 23 15:00:38.0, 0.6, 41.71N, 0.06, 32.48E, 0.04, h8km, 5km, Error ellipse: s-maj=10.7km s-min=3.9km az=157.7, DDA 23 15:00:38.1, 41.59N, 32.46E, h7km, 4km, ML2.7, ISC 23 15:00:37.9, 0.9, 41.68N, 0.05, 32.48E, 0.03, h11km, 8km, n21, c078/28, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, BTIN, Bartin, 0.18 255, iP, Pn, 15 00 42.4, +0.6, BTIN, Kurucasil-Bar, 0.26 50, PG, Pn, 15 00 42.4, -0.8, KURC, Karadeniz Ereos, 0.86 245, PG, Pn, 15 00 54.8, -0.1, BCAM, Yenicega, 0.92 200, iP, Pn, 15 00 56.5, -0.4, YIGI, Dzece, 1.06 228, iP, Pn, 15 00 57.9, -0.3, YIGI, ILGA, 1.12 124, iP, Pn, 15 00 59.3, -0.2, ILGA, Bzkurt, 1.17 76, PN, Pn, 15 01 14.8, +0.5, BZK, BZK, 1.35 201, iP, Pn, 15 01 16.7, +0.5, KIBS, CANT, 1.38 141, PN, Pn, 15 01 04.4, 0.0, KIBS, SAHE, 1.48 236, iP, Pn, 15 01 04.2, -0.3, SAHE, MDUB, 1.55 219, PN, Pn, 15 01 07.1, -0.6, MDUB, BTAS, 1.55 226, iP, Pn, 15 01 07.2, -0.6, BTAS, KAND, 1.82 252, iP, Pn, 15 01 09.6, +0.1, KAND, ANTO, 1.83 172, PN, Pn, 15 01 11.6, -0.4, ANTO, SAUV, 1.88 241, PN, Pn, 15 01 11.8, -0.4, SAUV, GULT, 1.94 231, PN, Pn, 15 01 12.5, -0.8, GULT, AUMIH, 1.96 203, PN, Pn, 15 01 12.9, -0.9, AUMIH, DIKM, 2.08 90, PN, Pn, 15 01 13.9, +1.1, DIKM, SRCK, 2.16 221, PN, Pn, 15 01 15.9, -1.1, SRCK, SILT, 2.20 257, PN, Pn, 15 01 15.9, +1.6, SILT, CORM, 2.22 132, PN, Pn, 15 01 16.3, +1.6, CORM

MAN 23 15:01:40.1, 18.12N, 120.67E, h57km, mb4.4, ML3.2, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, CVP, Callao Caves, 1.17 111, iP, Pn, 15 02 07.3, +1.4, CVP

NIED 23 15:13:00, 37.70N, 142.10E, h32km, Mw3.4 Best double couple: Mo:1.29000x1014 NP1:0.197.00000, 0.33.00000, λ:61.00000°, NP2:0.343.00000, 0.62.00000, λ:107.00000°, JMA 23 15:13:06.3, 0.1, 37.74N, 142.08E, h34km, 3km, M3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, JIKH, Ishinomakikobu, 0.75 320, P, Pn, 15 13 20.6, +0.1, JIKH, Ouri, 0.92 321, P, Pn, 15 13 23.2, +0.4, JIO, JMST, 0.95 269, P, Pn, 15 13 23.2, +0.2, JMST, JMM, 1.03 277, P, Pn, 15 13 35.4, 0.0, JMM, JFK, 1.03 249, P, Pn, 15 13 37.8, +0.3, JFK, JYS, 1.66 287, P, Pn, 15 13 48.8, -0.7, JYS, JOK, 1.28 300, P, Pn, 15 13 29.0, -0.9, JOK, JOU, 1.39 331, P, Pn, 15 13 45.1, -1.0, JOU, JMK, 1.39 331, P, Pn, 15 13 29.9, +0.7, JMK, JFT, 1.40 261, P, Pn, 15 13 30.9, -1.0, JFT, JYS, 1.66 287, P, Pn, 15 13 35.1, -1.2, JYS, JYK, 1.79 312, P, Pn, 15 13 36.3, +1.5, JYK, JOM, 1.84 341, eS, Sn, 15 13 59.2, -1.5, JOM, JOM, 1.84 341, eS, Sn, 15 13 59.2, +1.7, JOM, JFY, 1.92 261, P, Pn, 15 13 37.5, +1.0, JFY, JRG, 2.00 326, P, Pn, 15 13 39.6, +1.9, JRG, JYA, 2.05 295, P, Pn, 15 14 05.1, -1.6, JYA, MAT, 3.32 250, P, Pn, 15 13 59.8, +4.0, MAT

MIRAS 23 15:28:04.1 ± 0.0, 60.50N, 59.57E, h1km, ML3.3/3, NNC 23 15:28:10.4 ± 1.4, 59.61N, 60.84E, h0km, mb3.7, mpv3.7, Error ellipse: s-maj=12.0km s-min=7.7km az=156.0, ISC 23 15:28:02.5, 2.1, 60.2N, 0.1, 60.36E, 0.08, h10km, n6, 25.19/12, 5C-3D, Ural Mountains region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, PR1R, Pomanovo, 2.09 243, eP, Pn, 15 28 37.7, +0.2, PR1R, KAUR, 3.81 170, eS, Sn, 15 29 03.7, +0.2, KAUR, ARU, 3.88 195, eP, Pn, 15 29 09.7, -1.2, ARU, BRVK, 8.98 138, iP, Pn, 15 29 57.0, 0.0, BRVK, AKTO, 9.86 189, iP, Pn, 15 30 25.8, +1.6, AKTO, AKTO, 2.3nm, 0.7s, iLg, Lg, 15 30 07.4, 0.0, AB31, 0.7nm, 0.6s, baz=49, slow=38, SNR=16

AB31, 0.5nm, 0.5s, baz=346, slow=25, SNR=5.8, Sn, 15 32 39.3, -2.2, AB31, 3.7nm, 0.7s, baz=6.9, slow=24, SNR=5.5, Lg, 15 33 40.6

MEX 23 15:44:50.9, 0.9, 14.13N, 91.93W, h21km, 33km, MD3.8, Guatemala, Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, THIG, 0.84 337, eP, Pn, 15 45 04.7, -2.0, THIG, PCIG, 2.00 322, iS, Pn, 15 45 15.1, -2.5, PCIG, CCIG, 2.15 355, eP, Pn, 15 45 20.9, -3.3, CCIG, CCIG, 2.87 337, eP, Pn, 15 45 23.8, -1.9, CCIG, TGIG, 4.09 316, iS, Pn, 15 45 38.8, -1.8, TGIG, CMIG, 4.09 316, iS, Pn, 15 45 50.6, -1.7, CMIG, CMIG, 4.09 316, iS, Pn, 15 46 36.0, -3.6, CMIG

IDC 23 15:45:09.1 ± 0.8, 4.72S, 102.52E, h0km, mb4.3/15, mb1.4/4.15, mb1mx4.1/4.5, mbtmp4.3/15, MS3.0/2, Ms1.3/1.2, ms1mx2.6/2.9, Error ellipse: s-maj=37.4km s-min=13.9km az=50.0, ISCJB 23 15:45:14.9, 0.7, 4.79S, 0.06, 102.54E, 0.04, h62km, 5km, mb4.4/23, Error ellipse: s-maj=11.2km s-min=3.9km az=35.0, NEIC 23 15:45:15.6, 0.9, 4.72S, 102.52E, h47km, 7km, mb4.5/9, Error ellipse: s-maj=14.0km s-min=5.0km az=47.0, DJA 23 15:45:16.1 ± 0.3, 5.2, 2x10.3E, h30km, 3km, M4.4/18, mb4.5/6, MLv4.4/18, ISC 23 15:45:15.9, 1.1, 4.76S, 0.06, 102.59E, 0.05, h51km, 9km, n76, c117/84, mb4.4/23, Southern Sumatera

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, MNAI, Manna, 0.54 42, eP, Pn, 15 45 27.9, +0.3, MNAI, Manna, 0.54 42, P, Pn, 15 45 28.0, +0.4, MNAI, LHSI, 1.31 45, P, Pn, 15 45 39.3, +1.5, LHSI, LWLI, 1.48 100, S, Pn, 15 45 56.9, +2.7, LWLI, MDSI, 1.60 80, P, Pn, 15 45 40.8, +0.5, MDSI, MDSI, 2.13 88, P, Pn, 15 45 42.6, +0.8, MDSI, KLSI, 2.26 93, P, Pn, 15 45 50.6, +1.2, KLSI, KLI, 2.26 93, P, Pn, 15 45 16.0, +1.7, KLI, BLSI, 2.71 103, P, Pn, 15 45 58.6, +1.6, BLSI, BLSI, 2.84 50, P, Pn, 15 46 30.3, +1.7, BLSI, PMBI, 2.88 337, P, Pn, 15 46 10.7, +1.2, PMBI, KRJI, 3.25 307, P, Pn, 15 46 01.9, +2.5, KRJI, KRJI, 4.89 215, P, Pn, 15 46 05.8, -1.4, KRJI, PPSI, 3.25 307, P, Pn, 15 46 43.3, +1.4, PPSI, PPSI, 3.28 19, P, Pn, 15 46 06.5, -1.7, PPSI, JMBI, 3.59 121, P, Pn, 15 46 09.7, +0.6, JMBI, CGJI, 3.98 343, P, Pn, 15 46 47.4, -2.9, CGJI, CGJI, 4.69 314, S, Pn, 15 46 27.5, +1.0, CGJI, SISI, 4.89 314, S, Pn, 15 47 21.0, -1.1, SISI, SISI, 4.89 314, S, Pn, 15 46 35.2, +0.9, SISI, TPI, 5.43 69, P, Pn, 15 46 41.1, +0.4, TPI, CISI, 5.89 118, eP, Pn, 15 46 40.6, -0.1, CISI, CISI, 5.89 118, P, Pn, 15 45 49.8, +0.1, CISI, CMJI, 6.63 63, eP, Pn, 15 46 48.2, -2.2, CMJI, MYKM, 7.83 320, eP, Pn, 15 47 06.7, -0.6, MYKM, GSI, 7.83 320, eP, Pn, 15 47 07.0, -0.3, GSI, GSI, 8.36 334, LR, Pn, 15 50 49.0, GSI, UPM, 8.48 112, eP, Pn, 15 47 12.2, +0.9, UPM, UPM, 9.53 330, P, Pn, 15 47 28.2, -2.4, UPM, KCSI, 10.89 325, P, Pn, 15 47 49.7, -1.3, KCSI, MLSI, 12.06 108, P, Pn, 15 47 54.1, -1.1, MLSI, JAGI, 21.57 106, P, Pn, 15 50 01.0, -0.5, JAGI, BATI, 23.35 351, P, Pn, 15 50 19.1, -0.8, BATI, CMAR, 29.1nm, 19.9s, baz=188, slow=18, SNR=16, LR, 3.2nm, 0.6s, baz=181, slow=8.9, SNR=16, LR, 16 00 14.4, CMAR, CMAR, 3.43nm, 19.9s, baz=188, slow=18, SNR=16, LR, 16 22 46.4, CMAR, H08S2, Diego Garcia H, 30.05 263, T, T, 16 22 45.1, H08S3, Diego Garcia H, 30.06 263, T, T, 16 22 45.6, H08S1, Diego Garcia H, 30.07 263, T, T, 16 22 45.6, H01W3, Cape Leeuwin H, 31.82 162, T, T, 16 25 25.6, H01W2, Cape Leeuwin H, 31.84 162, T, T, 16 25 26.0, H01W1, Cape Leeuwin H, 31.84 162, T, T, 16 25 25.3, H01W1, Cape Leeuwin H, 31.84 162, T, T, 16 25 25.3, WRI, Warramunga Arr, 34.39 119, eP, Pn, 15 51 58.5, 0.0, WRI, WRI, 34.39 119, eP, Pn, 15 51 58.5, 0.0, WRI, WRA, 34.39 119, P, Pn, 15 54 34.0, +0.4, WRA, WRA, 2.1nm, 0.7s, baz=292, slow=11, SNR=12, P, Pn, 15 52 02.7, +0.6, WRA, ASAR, 1.2nm, 0.8s, baz=309, slow=2.6, SNR=3.1, P, Pn, 15 54 37.8, +0.9, ASAR, ASAR, 0.8nm, 0.5s, baz=292, slow=7.6, SNR=13, P, Pn, 15 52 08.9, +0.3, ASAR, ASAR, 0.4nm, 0.5s, baz=289, slow=2.3, SNR=4.8, P, Pn, 15 52 08.9, +0.3, ASAR, AS31, Alice Springs, 35.55 125, eP, Pn, 15 53 30.7, +1.0, AS31, STKA, Stephens Creek, 45.40 131, P, Pn, 15 53 30.4, -0.8, STKA, STKA, 2.3nm, 0.7s, baz=302, slow=7.5, SNR=6.3, P, Pn, 15 53 43.6, +0.4, STKA, STKA, 3.7nm, 1.6s, P, Pn, 15 53 43.6, +0.4, STKA, NIL, Nilore, 47.22 326, eP, Pn, 15 54 24.2, +0.4, NIL, NIL, 8.1nm, 0.7s, P, Pn, 15 54 24.2, +0.4, NIL, SONA0, Songino Array, 52.48, 3, eP, P, Pn, 15 55 33.0, 0.0, SONA0, SONA0, 52.48, 3, eP, P, Pn, 15 54 24.2, +0.4, SONA0, SONM, Songino Array, 52.48, 3, P, Pn, 15 55 33.8, 0.0, SONM, SONM, 1.1nm, 0.5s, baz=186, slow=4.3, SNR=2.9, P, Pn, 15 54 37.2, -0.4, SONM, MK31, Makanchi Array, 54.39 343, eP, Pn, 15 54 37.5, -0.2, MK31, MK31, 54.39 343, eP, Pn, 15 54 37.5, -0.2, MK31, MKAR, Makanchi Array, 54.39 343, P, Pn, 15 54 37.5, -0.2, MKAR, USRK, Ussuriysk Arr, 55.44 25, P, Pn, 15 54 45.0, -0.2, USRK, USRK, 2.0nm, 0.6s, baz=216, slow=4.9, SNR=12, P, Pn, 15 55 09.6, -0.2, USRK, KURBB, Kurchatov Arr, 58.94 342, eP, Pn, 15 55 59.2, +0.7, KURBB, KURBB, 2.4nm, 0.8s, baz=159, slow=6.6, SNR=14, P, Pn, 15 55 09.2, -0.9, KURBB, ZAAO, Zalesovo Array, 60.36 348, eP, Pn, 15 55 18.5, -1.1, ZAAO, ZALV, Zalesovo Beam, 60.36 348, P, Pn, 15 55 19.0, -0.6, ZALV, BRVK, Borovoye, 63.72 339, eP, Pn, 15 55 41.0, -1.2, BRVK, ABKAR, Abkarak array, 65.29 331, eP, Pn, 15 55 51.7, -0.8, ABKAR, KBZ, Khabaz, 72.07 319, P, Pn, 15 56 35.1, +0.2, KBZ, BR101, Keskin Array S, 77.08 312, eP, Pn, 15 57 04.2, 0.0, BR101, BRTR, Keskin Array B, 77.08 312, eP, Pn, 15 57 04.2, 0.0, BRTR, AKASG, Malin Array Be, 83.23 322, P, Pn, 15 57 36.6, -0.3, AKASG, AKAB, Akab array, 83.23 322, eP, Pn, 15 57 37.2, +0.3, AKAB, FIAO, FINESS Array S, 87.74 332, eP, Pn, 15 57 59.4, +0.3, FIAO, FINES, FINESS Array B, 87.74 332, P, Pn, 15 57 59.4, +0.3, FINES, ARAD, ARCESS Array S, 89.93 340, eP, Pn, 15 58 09.7, +0.4, ARAD, ARCES, ARCESS Array B, 89.93 340, P, Pn, 15 58 09.7, +0.4, ARCES, NV01, Mina Array St, 129.99, 42, ePKP, Pn, 16 04 22.3, +0.7, NV01, NVAR, Mina Array B, 129.99, 42, PKP, Pn, 16 04 22.3, +0.7, NVAR

23d 15h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NS3A Lisbon, TX31 Lajitas Ar. Si, LTX Lajitas, etc.

MAN 23 15:47:00.3, 7.31N, 124.84E, h23km, mb4.2, ML3.0, MS2.6, 1C, Mindanao

MAN 23 15:49:24.7, 6.22N, 123.78E, h36km, mb4.5, ML3.3, MS3.1, 1D, Mindanao

ISCJB 23 15:56:49.1, 1.15, 151.3S, 0.1, 167.8E, 0.2, h250km, mb3.9/6, Error ellipse: s-maj=25.6km s-min=15.3km az=0.9

IDC 23 15:56:52.3, 3.3, 15.49S, 167.77E, h261km, 33km, mb3.6/6, mb1 3.6/7, mb1mx3.4/34, mbtmp4.1/7, Error ellipse: s-maj=23.3km s-min=22.3km az=153.0

ISC 23 15:56:50.9, 1.1, 15.45S, 0.1, 167.8E, 0.2, h250km, n8, a150/9, mb3.9/6, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, URZ Urewera, STKA Stephens Creek, etc.

IDC 23 15:59:25.4, 0.5, 54.41N, 167.48E, h0km, mb4.0/30, mb1 4.6/32, mb1mx3.6/39, mbtmp4.4/32, ML4.1/2, MS3.6/23, Ms1 3.7/23, ms1mx3.5/37, Error ellipse: s-maj=15.6km s-min=10.0km az=155.0

KRSC 23 15:59:26.8, 1.8, 54.21N, 167.42E, h63km, 39km, ML5.1, BUJ 23 15:59:26.4, 0.0, 54.59N, 167.45E, h17km, mb4.6/36, mb4.8/30, Ms4.4/21, Ms7.4/21/7

ISCJB 23 15:59:28.5, 0.4, 54.34N, 0.0, 167.46E, 0.0, h33km, 3km, s-min=2.0km az=177.0

NEIC 23 15:59:29.0, 0.9, 54.33N, 167.43E, h22km, 5km, mb4.9/232, Error ellipse: s-maj=3.7km s-min=1.8km az=171.0

MOS 23 15:59:29.0, 0.9, 54.33N, 167.46E, h37km, mb5.0/58, MS3.5/8, Error ellipse: s-maj=4.9km s-min=4.5km az=117.3

ISC 23 15:59:29.6, 0.6, 54.29N, 0.0, 167.46E, 0.0, h30km, 4km, n790, a116/837, mb4.8/282, MS3.8/29, 3C, 6D, Komandorsky Islands region

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BKI Bering, KBTR Krutoberegovo, MKZ Mys Kozlova, etc.

2013 JUL

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AVH Avacha, ESO Esso, KRX Arik, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KOK Koryaka, DALK Dally, DALK Dally, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GSSL Oссора, GSSL Ganaly, GNL Ganaly, etc.

PETK 41m, 0.3s, baz=83, slow=28, SNR=314

ASAK Asacha, 6.04 255 eP Pn 16 00 57.9 +1.0

ASAK Asacha, 6.04 255 eS Pn 16 00 57.9 +1.0

ASAK Kshodutka, Kamc, 6.18 250 eP Pn 16 00 57.9 +1.0

KDTR Kshodutka, Kamc, 6.18 250 eS Pn 16 00 57.9 +1.0

KDTR Kshodutka, Kamc, 6.18 250 eP Pn 16 00 57.9 +1.0

TILK Tilichiki, 6.22 354 eP Pn 16 01 00.0 +0.7

TILK Tilichiki, 6.22 354 eS Pn 16 01 00.0 +0.7

APC Apacha, 6.28 262 eP Pn 16 01 00.0 +0.7

APC Apacha, 6.28 262 eS Pn 16 01 00.0 +0.7

APC Apacha, 6.28 262 eP Pn 16 01 00.0 +0.7

PALN Palana, 6.34 322 eP Pn 16 01 03.4 +2.5

PALN Palana, 6.34 322 eS Pn 16 01 03.4 +2.5

PAUJ Pauzhetka, 7.04 251 eP Pn 16 02 28.5 -0.9

SKR Severo-Kuril's, 7.81 247 eP Pn 16 01 21.8 +0.7

SKR comp=Z,355nm,0.5s MLR MLR 16 02 28.5 -0.9

SKR comp=Z,400nm,11.0s MLR MLR 16 01 21.8 +0.7

SKR comp=Z,400nm,10.5s MLR MLR 16 01 21.8 +0.7

KMSK Kamenskaya, 8.23 356 eP Pn 16 01 26.8 -0.1

KMSK Kamenskaya, 8.23 356 eS Pn 16 01 26.8 -0.1

KMSK Kamenskaya, 8.23 356 eP Pn 16 01 26.8 -0.1

KIWB Kanagaya Island, 9.58 98 eP Pn 16 01 46.4 +1.0

ADK Adak, 9.84 98 eP Pn 16 01 47.9 -1.1

ADK Adak, 9.84 98 eS Pn 16 01 47.9 -1.1

ADK Adak, 9.84 98 eP Pn 16 01 47.9 -1.1

ADK Adak, 9.84 98 eS Pn 16 01 47.9 -1.1

GSTR Great Sitkin T, 10.13 96 eP Pn 16 01 53.6 +0.7

MA2 Magadan, 10.53 307 eP Pn 16 01 59.3 +0.9

MA2 Magadan, 10.53 307 eS Pn 16 01 59.3 +0.9

SEY Seymchan, 11.67 324 eP Pn 16 02 14.9 +1.0

SPIA Saint Paul Is, 12.88 68 eP Pn 16 02 30.4 -0.0

SPIA Saint Paul Is, 12.88 68 eS Pn 16 02 30.4 -0.0

BILL Biibino, 13.81 358 eP Pn 16 02 44.4 +1.3

BILL Biibino, 13.81 358 eS Pn 16 02 44.4 +1.3

BILL Biibino, 13.81 358 eP Pn 16 02 44.4 +1.3

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BILL Biibino, 13.81 358 eP Pn 16 02 44.4 +1.3

BILL Biibino, 13.81 358 eS Pn 16 02 44.4 +1.3

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OHAK Old Harbor, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KDAK Kodiak Island, KDAK Kodiak Island, KDAK Kodiak Island, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNPM China Pool, KTH Kantskaya Hill, BPAW Bear Paw Mtn, etc.

RC01 Rabbit Creek A, 23.50 56 eP P 16 04 36.7 0.0

BWN Browne, 23.68 48 eP P 16 04 38.5 +0.2

SEW Seward, 23.71 58 eP P 16 04 36.7 -1.9

PMR Palmer, 23.78 55 eP P 16 04 38.7 -0.5

PMR Palmer, 23.78 55 eP P 16 04 38.7 -0.5

PMR Palmer, 23.78 55 eP P 16 04 38.7 -0.5

COLD Coldfoot, 23.81 41 eP P 16 04 39.8 +0.3

MCK McKinley, 23.88 49 eP P 16 04 39.3 -1.0

RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

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RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

RND Reindeer, 23.91 50 eP P 16 04 39.1 -1.5

Table with columns: ID, Name, Azimuth, Elevation, Range, and other parameters. Includes entries like GEYT Alibeck, V48A Smith Brothers, W47A Westpoint, etc.

Table with columns: ID, Name, Azimuth, Elevation, Range, and other parameters. Includes entries like MORC Moravsky Berou, U58A Oxford, HODGE Hodges, etc.

Table with columns: ID, Name, Azimuth, Elevation, Range, and other parameters. Includes entries like BSWZ Palisser, PLWZ Mailier, MSWZ Molikau Station, etc.

WEL 23 16:31:30.2, 0.6, 33'S, 6.18'W, 1.2, h33km, M4.8/30, mB5.4/13, ML5.0/24, MLV4.8/30, Mw(MB) 4.8/1.8, Error ellipse: s-maj=0.0km s-min=0.0km az=109.5, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Range, Phase ID, Time, Res. Includes entries like GLKZ Green Lake, MXZ Makaka Point, WMGZ Waioamatatini S, etc.

NNC 23 16:40:53.5, 2.9, 43.31'N, 89.22'E, h24km, 16km, mb3.8, mpv3.4, 6C-5D, Error ellipse: s-maj=19.7km s-min=17.4km az=79.0, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Range, Phase ID, Time, Res. Includes entries like MK31 Makanchi Array, MK31 Makanchi, MAKZ Makanchi, etc.

SJA 23 16:44:1.9, 0.5, 23.56'S, 66.67'W, h235km, 9km, ML2.5, MW2.4, Error ellipse: s-maj=18.5km s-min=7.1km az=14.1

Table with columns: Code, Station Name, Azimuth, Elevation, Range, Phase ID, Time, Res. Includes entries like GUC 23 16:44:4.9, 0.5, 23.39'S, 67.19'W, h249km, 7km, ML3.9, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like GO04 Tololo Observa, NNA Nana, NNA comp=Z, 2.3nm, 0.3s, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like QSPA South Pole Qui, P17A Butcher Ranch, DBIC Dimbaqui, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like KSH comp=Z, 2.83nm, 8.9s, KSH comp=Z, 340nm, 15.7s, etc.

IDC 23 18:01:04.3: 15.0, 35.67N: 73.46E, h344km, 164km, mb2.8/m1 2.8/6, mb1mx2.6/34, mbtmp3.5/6, Error ellipse: s-maj=91.7km s-min=26.2km az=1.0, Northwestern Kashmir

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like MKAR Makanchi Array, BVAR Borovoye Array, AKTO Aktyubinsk, etc.

WEL 23 18:01:08.6: 42 S 1: 174.3E: 0.8, h181km, 2km, M3.2/22, ML3.5/18, MLV3.2/22, Error ellipse: s-maj=0.0km s-min=0.0km az=150.4, Cook Strait

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like CMWZ Cape Campbell, CMWZ Tuamarina, BSWZ Blackbirch Sta, etc.

WEL 23 18:25:25.5: 41.75S 170.1742E: 0.7, h131km, 1km, M4.1/35, ML4.3/26, MLV4.1/35, Error ellipse: s-maj=0.0km s-min=0.0km az=165.4, Cook Strait

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, CMWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists various stations like CPWZ, OHWZ, PRWZ, etc.

WEL 23 18:26:30.2, 40°S, 336°E, 176.6E, 9h, 9km, 95km, M3.5/13, ML3.6/7, MLV3.5/13, Error ellipse: s-maj=0.5km s-min=0.1km az=176.5, North Island

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ARHZ, WHITZ, KUTZ, etc.

ISCJB 23 18:31:17.9, 0.9, 12.8S, 0.1, 168.9E, 0.2, h625km, mb3.6/9, Error ellipse: s-maj=25.9km s-min=15.8km az=1.4

ISC 23 18:31:19.2, 3.6, 12.85S, 168.90E, h624km, 5.2km, mb3.0/9, s-maj=30.9km s-min=23.8km az=11.0, Error ellipse: s-maj=30.9km s-min=23.8km az=11.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like DZM, URZ, STKA, etc.

MAN 23 18:33:53.6, 7.38N, 124.85E, h11km, mb3.9, ML2.7, MS2.2, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like CTBH, UCR, etc.

UCR 23 18:42:23.9, 1.6, 9.55N, 83.94W, h23km, 4km, MW3.5, 4C-3D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like LCR2, EDDO, SJS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like EDM, HDC, CVTR, etc.

ISCJB 23 18:44:54.3, 1.4, 34.1N, 0.04, 25.10E, 0.05, h5km, 10km, mb3.7/3, Error ellipse: s-maj=7.9km s-min=5.9km az=35.5

ISC 23 18:44:54.7, 1.4, 34.22N, 25.09E, h0km, mb3.7/3, mb1.3/8.6, mb1mx3.5/35, mbmtmp3.7/6, ML4.0/3, Error ellipse: s-maj=27.7km s-min=13.6km az=77.0

ATH 23 18:44:56.9, 34.22N, 25.09E, h13km, 6km, ML3.1/4, Error ellipse: s-maj=5.8km s-min=1.8km az=351.0

THE 23 18:44:58.0, 34.30N, 25.05E, h0km, 1km, ML3.1/4, Error ellipse: s-maj=2.6km s-min=0.9km az=172.0

ISC 23 18:44:55.8, 1.8, 34.18N, 0.07, 25.05E, 0.04, h7km, 11km, n29, c059/42, mb3.6/3, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like SIVA, TMBK, GVD, etc.

ZKR 23 18:45:03.9, 34.22N, 25.09E, h13km, 6km, ML3.1/4, Error ellipse: s-maj=5.8km s-min=1.8km az=351.0

ISC 23 18:45:03.9, 34.22N, 25.09E, h13km, 6km, ML3.1/4, Error ellipse: s-maj=5.8km s-min=1.8km az=351.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ZKR, VAM, YAM, etc.

MEX 23 18:56:14.0, 0.3, 16.35N, 98.22W, h4km, 3km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like TLIG, VHO, CAIG, etc.

ISCJB 23 19:13:25.8, 0.8, 17.9S, 0.2, 178.8W, 0.2, h550km, mb3.9/7, Error ellipse: s-maj=26.8km s-min=17.2km az=147.3

ISC 23 19:13:26.1, 2.7, 17.84S, 178.73W, h543km, 28km, mb3.3/7, mb1.3/5.8, mb1mx3.2/26, mbmtmp4.2/8, Error ellipse: s-maj=26.4km s-min=20.2km az=156.0

ISC 23 19:13:26.6, 0.9, 17.9S, 0.2, 178.8W, 0.2, h550km, n11, c054/13, mb3.8/7, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like DZM, URZ, STKA, etc.

GEN 23 19:24:17.2, 44.19N, 10.23E, h6km, 2km, MIO.2, Northern Italy

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like EQUI, SARO, etc.

ISCJB 23 19:25:07.3, 0.3, 48.05N, 0.03, 7.40E, 0.03, h20km, 5km, Error ellipse: s-maj=4.5km s-min=3.6km az=6.7

ZUR 23 19:25:07.4, 48.06N, 7.40E, h2km, 3km, ML1.0/6, Error ellipse: s-maj=7.3km s-min=2.9km az=297.0

STR 23 19:25:07.9, 0.3, 48.1N, 2.2, h0km, MLV1.3/6, LDG 23 19:25:07.7, 0.0, 48.05N, 7.37E, h10km, Mdz.0/3, M2.0/7, Error ellipse: s-maj=0.8km s-min=0.3km az=6.0

ISC 23 19:25:07.7, 0.9, 48.04N, 0.02, 7.39E, 0.02, h12km, 8km, n33, c126/50, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like ECH, ECHY, MOF, etc.

ISC 23 19:25:49.1, 1.0, 56.25S, 26.78W, h0km, mb4.4/6, mb1.4/4.7, mb1mx4.2/22, mbmtmp4.4/7, ML4.0/1, Error ellipse: s-maj=27.6km s-min=21.8km az=77.0

ISCJB 23 19:25:59.4, 0.4, 56.28S, 26.79W, 0.1, h101km, mb4.7/16, Error ellipse: s-maj=11.6km s-min=8.6km az=3.2

NEIC 23 19:25:60.0, 1.4, 56.37S, 26.86W, h94km, 7km, mb4.8/17, Error ellipse: s-maj=13.9km s-min=9.6km az=83.0

ISC 23 19:26:00.6, 0.6, 56.38S, 0.09, 27.04W, 0.08, h101km, n35, c219/30, mb4.7/16, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Lists stations like HOP, VNA1, VNA3, etc.

LPZ	La Paz	50.64 305 eP	P	19 34 51.2 +1.2
CASY	Casey	53.57 160 eP	P	19 35 11.5 +1.2
LSZ	Lusaka	58.41 69 eP	P	19 35 44.6 -1.0
TOA0	Torodi Ar. Sit	73.30 29 eP	P	19 37 20.7 -0.2
TORD	Torodi Ar. Bea	73.30 29 P	P	19 37 20.6 -0.2
TOA1	Torodi Ar. Sit	73.31 29 eP	P	19 37 20.6 -0.2

ROM 23 19:30:13.6:0.2,43°53'N:0°01'13.73"E:0°02, h9km, ML3.0/0.9, Error ellipse: s-maj=1.8km s-min=0.5km sz=51.0

ISCJB 23 19:30:14.2:0.3,43°52'N:0°01'13.71"E:0°02, h14km,2km, Error ellipse: s-maj=2.4km s-min=2.0km az=169.8
 BEO 23 19:30:14.4:0.8,43°60'N:13°68'E:h5km,ML3.1/6
 LDG 23 19:30:14.5:0.2,43°49'N:13°77'E:h2km,ML3.0/9, Error ellipse: s-maj=5.6km s-min=3.2km az=11.0
 PRU 23 19:30:16.3:0.0,43°66'N:13°90'E:h0km
 ISC 23 19:30:14.4:0.8,43°52'N:0°02'13.70"E:0°02, h12km,5km, n128,σ1932/159, Central Italy

Code	Station Name	Δ° AZ'	Phase	ID	Time	Res
					h m s	ISC
AOI	Ancona	0.08 294	P	Pg	19 30 16.0	-1.0
AOI			S	Sg	19 30 18.1	-0.9
PCRO	Pietralacroce	0.15 306	P	Pg	19 30 17.6	-0.4
PCRO			S	Sg	19 30 20.8	+0.3
PCRO	comp=E,22650μm,0.4s		AML	AML		
PCRO	comp=N,14200μm,0.8s		AML	AML		
PCRO	comp=E,22700μm,0.4s		AML	AML		
PCRO	comp=N,14250μm,0.8s		AML	AML		
PCRO	comp=N,14250μm,0.8s		AML	AML		
PCRO	comp=E,22700μm,0.4s		AML	AML		
PCRO	comp=N,14250μm,0.8s		AML	AML		
PCRO	comp=E,22700μm,0.4s		AML	AML		
CIMA	Civitanova Mar	0.21 186	i P	Pg	19 30 19.3	+0.3
CIMA			S	Sg	19 30 24.5	+2.4
CIMA	comp=E,67050μm,0.2s		AML	AML		
CIMA	comp=N,32350μm,0.5s		AML	AML		
CIMA	comp=E,67050μm,0.2s		AML	AML		
CIMA	comp=N,32300μm,0.5s		AML	AML		
CIMA	comp=N,32300μm,0.5s		AML	AML		
CIMA	comp=N,32300μm,0.5s		AML	AML		
CIMA	comp=E,67050μm,0.2s		AML	AML		
CIMA	comp=N,32300μm,0.5s		AML	AML		
CADA	Capodarco di F	0.33 172	P	Pg	19 30 21.0	0.0
CADA			S	Sb	19 30 27.6	+0.2
SENI	Senigallia	0.39 299	P	Pb	19 30 22.7	-0.5
SENI			S	Sb	19 30 29.7	+0.6
SENI	comp=E,1466μm,1.0s		AML	AML		
SENI	comp=N,1170μm,1.0s		AML	AML		
SENI	comp=E,1464μm,1.0s		AML	AML		
SENI	comp=N,1190μm,1.0s		AML	AML		
CING	Cingoli	0.39 249	P	Pg	19 30 22.0	-0.3
CING			S	Sg	19 30 28.7	+1.2
CING	comp=E,1815μm,0.4s		AML	AML		
CING	comp=N,1145μm,0.6s		AML	AML		
CING	comp=E,1815μm,0.4s		AML	AML		
CING	comp=N,1145μm,0.6s		AML	AML		
CING	comp=E,1815μm,0.4s		AML	AML		
CING	comp=N,1145μm,0.6s		AML	AML		
CING	comp=E,1815μm,0.4s		AML	AML		
CING	comp=N,1145μm,0.6s		AML	AML		
MNTP	Montappone	0.42 204	P	Pg	19 30 22.7	+0.1
EL6	Elicto	0.47 247	P	Pg	19 30 23.5	-0.3
EL6			S	Sb	19 30 31.8	0.0
EL6	comp=E,2495μm,0.4s		AML	AML		
EL6	comp=N,2195μm,0.4s		AML	AML		
EL6	comp=E,2490μm,0.4s		AML	AML		
EL6	comp=N,2195μm,0.4s		AML	AML		
EL6	comp=E,2490μm,0.4s		AML	AML		
EL6	comp=N,2195μm,0.4s		AML	AML		
EL6	comp=E,2490μm,0.4s		AML	AML		
ARVD	Arcevia	0.55 268	P	Pg	19 30 24.6	-0.6
ARVD			S	Sb	19 30 34.0	+0.1
ARVD	comp=E,422μm,0.6s		AML	AML		
ARVD	comp=N,448μm,0.5s		AML	AML		
ARVD	comp=E,422μm,0.6s		AML	AML		
ARVD	comp=N,448μm,0.5s		AML	AML		
ARVD	comp=E,422μm,0.6s		AML	AML		
ARVD	comp=N,448μm,0.5s		AML	AML		
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ARVD	comp=E,422μm,0.6s		AML	AML		
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ARVD	comp=E,422μm,0.6s		AML	AML		
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ARVD	comp=N,448μm,0.5s		AML	AML		
ARVD	comp=E,422μm,0.6s		AML	AML		
ARVD	comp=N,448μm,0.5s		AML	AML		
ARVD	comp=N,448μm,0.5s	</				

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include SAUI Saumlaki, BANI Baunata, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include RPZ Rata Peaks, HHC Hu-ho-hao-te, USRK Ussuriysk Arr, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include PB02 IPOC Station P, PB01 IPOC Station P, PB07 IPOC Station P, etc.

NEIC 23:20:11.4.9.0.0.41.688x174.23E,h11km,ML4.4(WEL), After WEL: 23:20:11.4.8.42S.1.1742E.0.9,h12km,2km,ML4.3/35, ML4.5/25,ML4.3/35, Error ellipse: s-maj=0.04km s-min=0.02km az=1.4, Cook Strait

MEX 23:19:46.11.1.0.6.17.97N x 100.68W, h30km, 7km, MD3.8, Guerrero

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include ARIG Puento Sto Nin, ZIIG Zihuatanejo, CAIG El Cayaco, etc.

ISCJCB 23:10:18.0.1.5.20.22S:0.03:70.92W:0.06,h3km,11km, Error ellipse: s-maj=10.0km s-min=4.2km az=13.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Rows include GUC 23:10:20.9.0.6.20.25S:70.85W:h22km,ML3.5, ISC 23:10:18.5.3.5.20.20S:0.04:70.92W:0.08,h8km,25km, etc.

23d 20h

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

SOME 23 20:15:20.7, 41.32N, 77.55E, h10km
KRNET 23 20:15:21.7, 0.1, 41.39N, 77.52E, h13km, mb2.8
NNC 23 20:15:21.3, 0.9, 41.35N, 77.57E, h0km, mb3.5, mpv3.3

ISC/JB 23 20:15:23.4, 0.8, 41.28N, 0.04, 77.54E, 0.04, h10km, Error ellipse: s-maj=6.7km s-min=3.4km az=155.6

Main table of station data with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KDJ, NRN, PRZ, etc.

2013 JUL

Main table of station data with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARLS, KTBS, CHKK, etc.

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Main table of station data with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LVC, LVC, LVC, etc.

IDC 23 20:17:43.6, 2.9, 22.07N, 144.50E, h0km, mb3.8/5, mb1.3/9.5, mb1mx3.5/4.3, mbtmp3.8/5, Error ellipse: s-maj=135.0km s-min=24.1km az=81.0, Volcano Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CD2, etc.

23d 22h

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

MAN 23 21:28:42.3, 11.21N, 121.59E, h62km, mb4.2, ML3.1, MS2.8, 2C, Panay

WEL 23 21:29:25.2, 42°S, 174°E, h7km, mb1km, M3.9/17, ML4.2/12, MLV3.9/17, Error ellipse: s-maj=0.0km

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

IDC 23 21:30:15.9-0.6, 20.05S:70.67W, h0km, mb4.2/12, mb1.4/16, mb1mx3.4/17, Error ellipse: s-maj=21.4km

SJA 23 21:30:15.9-0.6, 20.44S:70.78W, h15km, 4km, ML3.6, MW3.0

ISCJJB 23 21:30:17.5-0.6, 20.22S:0103.71E, h0.05, h53km, 6km, mb4.3/32, MS4.0/2, Error ellipse: s-maj=7.7km

GUC 23 21:30:18.3-0.7, 20.23S:70.88W, h39km, 2km, ML4.0, NEIC 23 21:30:18.0-0.0, 20.23S:70.88W, h39km, mb4.4/28, ML4.6(GUC), After GUC.

NEIC Felt [I] at Alto Hospicio, Camina, Iquique and Pozo Almonte.

ISC 23 21:30:18.8-0.5, 20.26S:004:70.93W, h0.06, h38km, 2km, n94, c=23/115, mb4.4/32, 11C-3D, Near coast of northern Chile

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

2013 JUL

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

IDC 23 21:45:14.3-1.9, 5.45S:152.79E, h0km, mb3.9/5, mb1.4/16, mb1mx3.8/28, mbtmp3.9/6, ML2.1/1, MS3.1/2, MS1.3/12, ms1mx2.7/22, Error ellipse: s-maj=72.1km

1284

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like mb3.8/5, New Britain region, PMG, etc.

MEX 23 22:25:28.5-0.6, 17.89N x 102.26W, h19km, 4km, MD3.8, Near coast of Michoacan

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

SJA 23 22:36:44.9-0.5, 20.03S:71.26W, h24km, 6km, ML3.7, MW3.7

GUC 23 22:36:50.8-0.7, 20.24S:70.89W, h38km, 2km, ML4.0, NEIC 23 22:36:50.0-0.0, 20.24S:70.89W, h38km, mb4.4/7, ML4.0(GUC), After GUC.

NEIC Felt [I] at Alto Hospicio and Iquique. IDC 23 22:36:50.1-0.9, 19.97S:70.60W, h0km, mb3.9/8, mb1.4/10, mb1mx4.0/29, mbtmp4.0/10, ML3.9/2, MS3.3/4, MS1.3/34, ms1mx3.1/19, Error ellipse: s-maj=24.3km

s-min=21.0km az=52.0. ISC 23 22:36:48.6-1.1, 20.34S:0103:70.86W, h0.05, h16km, 6km, n73, c=28/79, mb4.3/13, 9C-3D, Near coast of northern Chile

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

Table with columns for station name, frequency, mode, and other technical details. Includes stations like SNAAs, VNA3, VNA1, etc.

Table with columns for Code, Station Name, Azimuth, Elevation, Op, ISC, Time, Res, and other technical details. Includes stations like San Fernando, San Fernando, etc.

Table with columns for station name, frequency, mode, and other technical details. Includes stations like M3D1, PMTG, PMTG, etc.

Table with columns: ELAN, Lanestosa, 7.69 17 P, Pn, 00 33 24.5 +1.2, etc.

MAN 24 00:33:24.3, 17:17N, 120:00E, h26km, mb4.9, ML3.8, MS3.8, IC, Philippine Islands region

KRNET 24 00:41:05.3:0.1, 40:45N:77:50E, mb3.7, SOME 24 00:41:06.2, 40:38N:77:50E, h15km

NNC 24 00:41:07.0:0.9, 40:50N:77:50E, h0km, mb4.2, mpv3.9, Error ellipse: s-maj=6.2km s-min=4.3km az=163.0

ISC 24 00:41:05.8:1.4, 40:46N:107:77.54E, h10km, n68, c2504/103, 27C-19D, Kyrgyzstan-Kjiang border region

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Main station list table (continued) with columns: KBK, Karagaybulak, 2.93 319 P, Pg, 00 42 00.1 -2.0, etc.

ISC 24 01:25:49.0:0.2, 37:43N:0:02:72:16E:0:04, h130km, mb4.2/38, Error ellipse: s-maj=4.0km s-min=3.2km

IDC 24 01:25:48.1:3.9, 37:26N:72:05E, h115km, z7km, mb3.6/10, mb1.3/7.16, mb1.0x3.5/46, mbmp4-0.18, Error ellipse: s-maj=2.1km s-min=2.0km az=145.0

MOS 24 01:25:50.4:1.1, 37:49N:72:21E, h146km, mb4.3/12, Error ellipse: s-maj=8.7km s-min=5.1km az=96.1

NEIC 24 01:25:50.9:1.7, 37:46N:72:18E, h137km, gkm, mb4.4/29, Error ellipse: s-maj=10.7km s-min=7.3km az=95.0

NNC 24 01:25:52.6:5.3, 37:67N:71:78E, h128km, 106km, mb3.6, mpv4, Error ellipse: s-maj=47.2km s-min=30.7km az=10.0

ISC 24 01:25:49.5:0.4, 37:51N:0:04:72:06E:0:04, h130km, n129, c2537/150, mb4.4/37, 4C-6D, Tajikistan

Main station list table (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Main station list table (continued) with columns: NRN, Naryn, 4.97 37 ePN, Pn, 01 27 04.0 +1.5, etc.

KMI	comp=Z,640nm,14.1s	Kunming	24.59 270	eP	P	01 52 43.4 -1.5
KMI	comp=Z,48nm,1.2s	Kunming	24.59 270	pP	P	01 52 46.1 +1.2
KMI				pP	P	01 52 53.9 +0.7
KMI				S	S	01 52 58.0 +2.0
KMI				S	S	01 57 07.6 +3.0
KMI	comp=Z,27nm,1.3s			pmax	pmax	
KMI	comp=Z,83nm,3.1s			LR	LR	
KMI	comp=Z,380nm,15.6s			LR	LR	
KMI	comp=Z,480nm,15.4s			LR	LR	
KMI	comp=Z,490nm,16.7s	Kunming	24.59 270	eP	P	01 52 43.4 -1.5
KMI				pP	P	
ZEA	comp=Z,48nm,1.2s	Zeya	25.79 356	eP	P	01 52 55.0 -0.1
ZEA				pP	P	
ZEA	comp=Z,43nm,1.2s			MLR	MLR	
ZEA	comp=Z,400nm,13.0s			MLR	MLR	
ZEA	comp=N,300nm,12.0s					
SONA	Songino Array	27.03 323	eP	P	01 53 08.7 +2.1	
SONM	Songino Array	27.03 323	P	P	01 53 08.7 +2.1	
SONM	comp=N,0.6nm,0.4s,baz=128,slow=9.6,SNR=3.7			LR	LR	02 05 10.9
GTA	comp=N,408nm,19.0s,baz=1116,slow=40	Gaotai	27.49 302	eP	P	01 53 10.3 -0.6
GTA				pP	P	01 53 17.9 -0.6
GTA				pP	P	01 53 20.6 -1.3
GTA	comp=N,4.0nm,1.2s			pmax	pmax	
GTA	comp=N,67nm,5.7s			LR	LR	
GTA	comp=N,470nm,15.6s			LR	LR	
GTA	comp=N,940nm,14.3s			LR	LR	
CMAR	Chiang Mai Arr	30.07 258	P	P	01 53 35.7 +1.9	
CMAR	comp=N,0.9nm,0.3s,baz=68,slow=5.8,SNR=4.4			LR	LR	02 06 18.3
CMAR	comp=N,165nm,20.6s,baz=73,slow=38			LR	LR	
PETK	Petrovskovsk	32.33 32	LR	LR	02 07 13.7	
H11N2	WAKE ISLAND Hy	34.55 96	T	T	02 30 45.2	
H11N1	WAKE ISLAND Hy	34.57 96	T	T	02 30 46.1	
H11N3	WAKE ISLAND Hy	34.58 96	T	T	02 30 52.1	
WMQ	Urumqi	37.33 306	eP	P	01 54 38.9 +2.2	
WMQ				pP	P	01 54 45.4 +0.6
WMQ	comp=N,36nm,0.9s			pmax	pmax	
WMQ	comp=N,89nm,3.6s			pmax	pmax	
WMQ	comp=N,300nm,12.5s			LR	LR	
WMQ	comp=N,450nm,16.7s			LR	LR	
WMQ	comp=N,540nm,19.5s			LR	LR	
MK31	Makanchi Array	41.61 310	eP	P	01 55 09.4 -2.9	
MK31	comp=N,1.5nm,1.1s			pmax	pmax	
MK31	Makanchi Array	41.61 310	eP	P	01 55 09.4 -2.9	
MK31	comp=Z,2.0nm,1.1s			pmax	pmax	
MK32	Makanchi Array	41.61 310	eP	P	01 55 11.3 -1.0	
MK32	comp=Z,2.0nm,1.1s			pmax	pmax	
MKAR	Makanchi Array	41.61 310	P	P	01 55 11.3 -1.0	
MKAR	comp=Z,0.4nm,0.4s,baz=88,slow=11,SNR=6.5			LR	LR	02 14 31.5
ZAAO	Zalesovo Array	41.86 321	P	P	01 55 10.6 -3.6	
ZAAO	comp=Z,2.7nm,1.1s			pmax	pmax	
ZALV	Zalesovo Beam	41.86 321	P	P	01 55 15.6 +1.4	
ZALV	comp=Z,1.1nm,0.4s,baz=102,slow=7.3,SNR=3.0			pP	pP	01 57 10.3 +0.7
ZAA1	Zalesovo Array	41.87 321	eP	P	01 55 15.6 +1.3	
ZAA1	comp=Z,2.0nm,0.7s,baz=90,slow=4.4,SNR=3.8			eP	P	01 57 10.3 +0.7
TIXI	Tiksi	43.69 359	eP	P	01 55 25.5 -3.2	
TIXI	comp=Z,4.6nm,0.8s			pP	P	
TIXI	Tiksi	43.69 359	eP	P	01 55 25.5 -3.2	
TIXI	comp=Z,5.0nm,0.8s			pmax	pmax	
KURK	Kurchatov	44.69 315	P	P	01 55 36.9 -0.2	
KURB	Kurchatov Arr	44.73 315	P	P	01 55 36.9 -0.6	
BILL	Bilibino	45.48 18	eP	P	01 55 39.8 -3.3	
BILL	comp=Z,8.8nm,0.4s			pmax	pmax	
BILL	Bilibino	45.48 18	eP	P	01 55 44.7 +1.6	
BILL	comp=Z,4.0nm,0.9s			pmax	pmax	
NRN	Naryn	45.73 302	eP	P	01 55 45.0 -0.9	
NRN	comp=Z,2.3nm,0.9s			pmax	pmax	
NRN	Naryn	45.73 302	eP	P	01 55 45.0 -0.9	
NRN	comp=Z,2.0nm,0.9s			pmax	pmax	
KSH	Kashi	45.80 299	eP	P	01 55 49.9 +3.6	
KSH	comp=Z,16nm,0.7s			pmax	pmax	
ADK	Adak	46.01 44	eP	P	01 55 48.3 +0.8	
ADK	comp=Z,38nm,1.5s			pmax	pmax	
ADK	Adak	46.01 44	eP	P	01 55 48.3 +0.8	
ADK	comp=Z,38nm,1.5s			pmax	pmax	
AAK	Ala-Archa	46.83 303	eP	P	01 55 54.0 -0.4	
AAK	comp=Z,2.0nm,1.2s			pmax	pmax	
WRA	Warramunga Arr	47.85 175	eP	P	01 56 02.4 +0.2	
WRA	comp=Z,1.0nm,0.4s,baz=97,slow=9.1,SNR=13			P	P	01 56 02.4 +0.2
KK31	Karatay Array	49.75 304	eP	P	01 56 14.7 -1.9	
KK31	comp=Z,1.6nm,0.6s,baz=358,slow=9.5,SNR=3.1			P	P	
KK31	Karatay Array	49.75 304	eP	P	01 56 14.7 -1.9	
KK31	comp=Z,6.1nm,1.3s			pmax	pmax	
KKAR	Karatay Array	49.75 304	eP	P	01 56 14.3 -2.4	
KKAR	comp=Z,6.0nm,1.3s			pmax	pmax	
KKAR	Karatay Array	49.75 304	eP	P	01 56 14.3 -2.4	
KKAR	comp=Z,6.1nm,1.3s			pmax	pmax	
BRVK	Borovyoe	50.13 317	eP	P	01 56 19.6 +0.2	
BRVK	comp=Z,8.0nm,1.4s			pmax	pmax	
BRVK	Borovyoe	50.13 317	eP	P	01 56 19.6 +0.2	
BRVK	comp=Z,8.0nm,1.4s			pmax	pmax	
GAR	Garm	50.22 299	eP	P	01 56 20.6 +0.1	
GAR	comp=Z,15nm,1.2s			pmax	pmax	
GAR	Garm	50.22 299	eP	P	01 56 20.6 +0.1	
GAR	comp=Z,15nm,1.2s			pmax	pmax	
CHGR	Chuyangaron	51.16 299	eP	P	01 56 28.7 +1.2	
CHGR	comp=Z,30nm,0.9s			pmax	pmax	
AS31	Alice Springs	51.51 176	eP	P	01 56 31.6 +1.6	
AS31	comp=Z,2.6nm,1.4s			pmax	pmax	
ASAR	Alice Springs	51.51 176	P	P	01 56 31.6 +1.6	
ASAR	comp=Z,1.4nm,0.8s,baz=10,slow=14,SNR=8.0			P	P	
KBL	Kabul	51.89 293	eP	P	01 56 34.6 +1.5	
KBL	comp=Z,1.7nm,1.3s			pmax	pmax	
KBL	Kabul	51.89 293	eP	P	01 56 34.6 +1.5	
KBL	comp=Z,1.7nm,1.3s			pmax	pmax	
RDOG	Red Dog Mine	55.76 25	eP	P	01 57 02.4 +1.7	
RDOG	comp=Z,12nm,1.0s			pmax	pmax	
ABKAR	Akbulak array	56.64 312	eP	P	01 57 07.9 +0.7	
ABKAR	comp=Z,2.2nm,1.1s			pmax	pmax	
ARU	Arti	57.03 321	eP	P	01 57 10.3 +0.4	
ARU	comp=Z,2.6nm,1.1s			pmax	pmax	
ARU	Arti	57.03 321	eP	P	01 57 10.3 +0.4	
ARU	comp=Z,2.6nm,1.1s			pmax	pmax	
ARU	comp=Z,7.0nm,1.2s			MLR	MLR	
CHGN	Chignik	57.04 39	eP	P	01 57 07.7 -2.2	
CHGN	comp=Z,19nm,0.9s			pmax	pmax	
SVW2	Sparrevohn	58.38 33	eP	P	01 57 20.6 +1.2	

GEYT	comp=Z,4.7nm,1.2s	Alibeck	59.83 300	LR	LR	02 27 22.0
GEYT	comp=Z,150nm,18.8s,baz=60,slow=40			LR	LR	
GYA0B	ALIBECK ARRAY	59.83 300	eP	P	01 57 27.9 -1.9	
GYA0B	comp=Z,3nm,0.6s			P	P	
PLLA	Perkylie	59.92 31	eP	P	01 57 32.5 +2.4	
PLLA	comp=Z,8.1nm,1.1s			P	P	
CAST	Castle Rocks	59.94 31	eP	P	01 57 29.8 -0.3	
CAST	comp=Z,5.1nm,1.1s			P	P	
BPAW	Bear Paw Mtn	60.38 30	eP	P	01 57 32.3 -0.9	
BPAW	comp=Z,3.8nm,1.1s			P	P	
MLY	Manley	60.44 29	eP	P	01 57 35.1 +1.6	
MLY	comp=Z,7.1nm,1.2s			P	P	
KTH	Kantiana Hill	60.45 30	eP	P	01 57 33.8 +0.2	
KTH	comp=Z,6.1nm,0.6s			P	P	
STKA	Stephens Creek	60.56 169	P	P	01 57 34.9 +0.3	
STKA	comp=Z,0.8nm,0.3s,baz=337,slow=7.7,SNR=2.6			P	P	
SUA	Susitna One	60.70 33	eP	P	01 57 37.2 +1.8	
SUA	comp=Z,4.0nm,0.8s			P	P	
RND	Reindeer	61.39 30	eP	P	01 57 41.1 +1.1	
RND	comp=Z,9.5nm,1.0s			P	P	
PMR	Palmer	61.45 33	eP	P	01 57 40.5 +0.1	
PMR	comp=Z,5.3nm,1.0s			pmax	pmax	
PMR	Palmer	61.45 33	eP	P	01 57 40.5 +0.1	
PMR	comp=Z,5.0nm,1.0s			pmax	pmax	
ILAR	Eielson Array	62.10 29	P	P	01 57 44.6 -0.1	
ILAR	comp=Z,2.6nm,0.7s,baz=266,slow=4.1,SNR=5.8			P	P	
ILB	Eielson Array	62.10 29	eP	P	01 57 44.6 -0.1	
ILB	comp=Z,2.2nm,1.0s			P	P	
HDA	Harding Lake	62.11 29	eP	P	01 57 45.7 +0.8	
HDA	comp=Z,1.4nm,1.0s			P	P	
SCM	Sheep Creek Mo	62.27 32	eP	P	01 57 48.2 +2.2	
SCM	comp=Z,1.5nm,1.2s			pmax	pmax	
SCM	Sheep Creek Mo	62.27 32	eP	P	01 57 48.2 +2.2	
SCM	comp=Z,1.5nm,1.2s			pmax	pmax	
PAX	Paxson	62.96 31	eP	P	01 57 48.8 -1.8	
PAX	comp=Z,3.0nm,1.2s			pmax	pmax	
PAX	Paxson	62.96 31	eP	P	01 57 48.8 -1.8	
PAX	comp=Z,3.0nm,1.2s			pmax	pmax	
PRGR	Pergomere	63.17 328	eP	P	01 57 46.5 -5.4	
PRGR	comp=Z,2.6nm,1.3s			pmax	pmax	
SCRK	Sand Creek Hill	63.46 29	eP	P	01 57 55.3 +1.4	
SCRK	comp=Z,2.8nm,1.0s			P	P	
DOT	Dot Lake	63.48 30	eP	P	01 57 55.2 +1.3	
DOT	comp=Z,3.8nm,1.0s			P	P	
MENT	Mentasta	63.76 31	eP	P	01 57 54.9 -1.0	
MENT	comp=Z,2.2nm,0.2s			P	P	
GLB	Gilghina Butte	63.99 32	eP	P	01 57 55.5 -1.9	
GLB	comp=Z,5.1nm,1.1s			P	P	
DAWY	Dawson	65.42 29	eP	P	01 58 05.7 -1.0	
DAWY	comp=Z,8.6nm,1.1s			P	P	
EPYK	Eagle Plains	65.95 26	eP	P	01 58 10.4 +0.4	
EPYK	comp=Z,4.9nm,0.9s			P	P	
INK	Inuvik	66.61 24	eP	P	01 58 13.3 -0.8	
INK	comp=Z,2.6nm,0.9s,baz=276,slow=2.4,SNR=3.7			P	P	
INK	Inuvik	66.61 24	eP	P	01 58 13.3 -0.8	
INK	comp=Z,2.6nm,0.9s,baz=276,slow=2.4,SNR=3.7			P	P	
MOS	Moscow	68.66 323	eP	P	01 58 26.8 -0.5	
MOS	comp=Z,1.3nm,0.8s,baz=77,slow=8.7,SNR=7.9			P	P	
ARCES	ARCESS Array B	68.95 339	P	P	01 58 28.6 -0.4	
ARCES	comp=Z,1.3nm,0.8s,baz=77,slow=8.7,SNR=7.9			LR	LR	02 34 06.8
VSR	Storozhevo	69.24 318	eP	P	01 58 30.8 -0.2	
VSR	comp=Z,2.9nm,1.1s			pmax	pmax	
VSR	Storozhevo	69.24 318	eP	P	01 58 30.8 -0.2	
VSR	comp=Z,2.9nm,1.1s			pmax	pmax	
KBZ	Khabaz	69.31 309	P	P	01 58 33.3 +1.8	
KBZ	comp=Z,2.0nm,0.7s,baz=53,slow=6.3,SNR=4.0			LR	LR	02 34 13.5
KBZ	Khabaz	69.31 309	P	P	01 58 33.3 +1.8	
KBZ	comp=Z,2.0nm,0.7s,baz=53,slow=6.3,SNR=4.0			LR	LR	02 34 13.5
KIV	Kislovodsk	69.37 310	eP	P	01 58 34.1 +2.0	
KIV	comp=Z,1.43nm,18.5s,baz=74,slow=6.1			pmax	pmax	
OBN	Obninsk	69.43 322	eP	P	01 58 32.6 +0.5	
OBN	comp=Z,8.0nm,0.9s			pmax	pmax	
SHA1	Shidzhatmaz	69.47 309	eP	P	01 58 33.5 +0.7	
SHA1	comp=Z,2.1nm,1.0s			P	P	
FAIO	FINESS Array S	72.12 331	eP	P	01 58 47.5 -0.8	
FAIO	comp=Z,2.1nm,1.0s			P	P	
FAIO	FINESS Array S	72.12 331	eP	P	01 58 47.5 -0.8	
FAIO	comp=Z,2.1nm,1.0s			P	P	
FINES	FINESS Array B	72.12 331	eP	P	01 58 47.5 -0.8	
FINES	comp=Z,2.9nm,0.9s,baz=55,slow=5.5,SNR=5.4			LR	LR	02 35 58.2
FINES	FINESS Array B	72.12 331	eP	P	01 58 47.5 -0.8	
FINES	comp=Z,2.9nm,0.9s,baz=55,slow=5.5,SNR=5.4			LR	LR	02 35 58.2
FINES	FINESS Array B	72.12 331	eP	P	01 58 47.5 -0.8	
FINES	comp=Z,2.9nm,0.9s,baz=55,slow=5.5,SNR=5.4			LR	LR	02 35 58.2
VSU	Vasula	73.13 328				

24d 2h

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like BBAC Balboa, CAUCA, HELC Santa Helena, etc.

UCR 24 01:58:11.9±1.0, 11.65N, 86.82W, h32km, 129km, MD3.7, 1C-2D, Near coast of Nicaragua

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like GB1A Borinquen Arri, GB1A BUEV, etc.

SJA 24 01:59:51.0±0.7, 30.57S, 72.02W, h16km, 10km, ML3.8, MW4.6

GUC 24 01:59:53.7±0.6, 30.73S, 71.66W, h46km, 8km, ML3.4

ISC 24 01:59:50.4±3.1, 30.70S, 07.719W, 0.1, h6km, 15km, n13, ±152/17, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like CO02 Combarbal, CO02 LCO, etc.

ISCJB 24 02:08:22.6±0.4, 61.31S, 0.06:153.9E±0.2, h10km, mb4.7/14, MS4/4/18, Error ellipse: s-maj=11.9km

NEIC 24 02:08:24.0±2.0, 61.38S, 153.88E, h10km, 3km, mb4.8/21, Error ellipse: s-maj=20.5km s-min=7.6km az=87.0

ISC 24 02:08:24.9±1.2, 61.36S, 153.45E, h0km, mb4.2/6, mb1.4/3.6, mb1mx4.2/2.5, mbtmp4.2/6, MS4=5/5.2, MS1.4/5.15, ms1mx4.5/2.5, Error ellipse: s-maj=16.2km

GCMT 24 02:08:24.0±0.5, 61.15S, 0.01:153.99E±0.03, h12km, MW5.1/91, Moment tensor: Scale 10^16Nm, M=0.13±.14; Mw=0.21±.12; Mo=0.49±.13; Me=0.86±.34; Ms=3.4±.12; Mr=1.61±.37; Best double couple: Mo=6.84000±0.16; NP1=335.00000, 890.00000, 1.19.00000; NP2=245.00000, 871.00000, 180.00000; Principal axes: Z=5.7610, Plg13.0000, Azm201.0000; N=0.1610, Plg71.0000, Azm335.0000; P=-5.6060, Plg13.0000, Azm108.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 24 02:08:24.5±0.5, 61.31S, 0.08:153.8E±0.1, h10km, n68, ±155/41, mb4.7/14, MS4/4/18, Balleny Islands region

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like SBA Scott Base, WHZ Wether Hill, etc.

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Main table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like ODZ Otahua Downs, CASY Casey, FOF Fox Glacier, etc.

ISCJB 24 02:09:24.9±0.5, 21.34S, 0.03:68.15W±0.09, h206km, 5km, Error ellipse: s-maj=13.8km s-min=4.1km az=2.5

ISC 24 02:09:25.0±0.8, 21.34S, 67.48W, h148km, 14km, mb3.9/1, mb1.3/5.6, mb1mx3.2/2.8, mbtmp4.0/6, Error ellipse: s-maj=27.1km s-min=10.4km az=113.0

NEIC 24 02:09:25.2±2.3, 21.35S, 68.02W, h195km, 6km, mb3.3/11, Error ellipse: s-maj=13.7km s-min=6.8km az=75.0

GUC 24 02:09:26.0±0.7, 21.23S, 68.18W, h186km, 6km, ML3.8

ISC 24 02:09:24.8±0.7, 21.23S, 68.04W, 67.94W±0.09, h188km, 6km, n42, ±134/65, Chiriqui border region

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like PB09 IPOC Station P, PB01 IPOC Station P, etc.

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like PB07 IPOC Station P, PB06 IPOC Station P, etc.

ISC 24 02:15:47.7±5.2, 84.9S, 179.74E, h0km, mb4.2/3, mb1.4/4.3, mb1mx3.9/19, mbtmp4.2/3, Error ellipse: s-maj=196.9km s-min=48.2km az=153.0

WEL 24 02:16:47.8±1.5, 32.15S, 171.9E±2.1, h545km, 24km, M4.0/16, mB4.0/16, ML4.5/14, Mw(MB)3.9/16, Error ellipse: s-maj=0.0km s-min=0.0km az=55.5

ISC 24 02:18:46.0±1.7, 32.15S, 0.1:178.1E±0.2, h550km, n48, ±1521/49, mb3.9/3, South of Kermadec Islands

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like KUZ Kuaotunu, WCZ Waipua Caves, etc.

WEL 24 02:18:25.7, 42.5S, 174.3E±0.7, h14km, 2km, M3.9/25, ML4.2/17, MLV3.9/25, Error ellipse: s-maj=0.0km az=170.3, Cook Strait

Table with columns: Code, Station Name, Time, Res, and various station identifiers. Includes stations like CMWZ Cape Campbell, CMWZ Blackbirch Sta, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Cannon Point, D'Urville Isla, Kahutara, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like AIG4 Aigion, ALIK Aigli, LAKA Lakka, etc.

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

GUC 24 02:21:05.9-0.7, 20.25S:70.78W, h39km, 1km, ML2.8, 3C-7D, Near coast of northern Chile

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PSAG Pisagua, IPOC Station P, IPOC Station P, etc.

MEX 24 02:51:44.3-0.7, 18.24N:101.04W, h66km, 6km, MD3.7, Guerrero

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ARIG Puente Sto Nin, ZIIG Zihuatajejo, MEIG Mezcala, etc.

ISCJB 24 02:55:50.0-0.2, 38.23N:0.01-22.10E:0.02, h13km, 1km, mb3.7/10, MS3.8/2, Error ellipse: s-maj=2.5km

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LKR Lokris, ATAL Atalanti, VLX Vlachokerasia, etc.

ISCJB 24 02:37:52.9-0.5, 41.53N:0.03-20.22E:0.03, h5km, 4km, Error ellipse: s-maj=5.7km s-min=4.3km az=171.2

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PHP Peshkopia, TIR Tirane, PUK Puka, etc.

ISCJB 24 02:55:50.6-0.7, 38.23N:0.02-22.11E:0.02, h10km, 4km, n153, c1938/190, mb3.7/10, 7C-6D, Greece

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ALIK Aigli, LAKA Lakka, TRAZ Trapeza, etc.

ISCJB 24 02:50:59.0-0.6, 38.22N:0.03-22.09E:0.05, h12km, 4km, Error ellipse: s-maj=7.6km s-min=4.2km az=156.5

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SKO Skopje, SKO Skopje, TIP Timpagrande, etc.

ISCJB 24 02:50:59.3-1.6, 38.23N:0.03-22.09E:0.04, h10km, 7km, n19, c222/32, Greece

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

ISCJB 24 02:50:59.3-1.6, 38.23N:0.03-22.09E:0.04, h10km, 7km, n19, c222/32, Greece

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

ISCJB 24 02:50:59.3-1.6, 38.23N:0.03-22.09E:0.04, h10km, 7km, n19, c222/32, Greece

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

24d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OBKA Obir, MYKA Terra Mystica, VYHS Vyhne, etc.

ISCJB 24 03:01:22.6:0.4, 24.75N:0.02:122.27E:0.01, h0km, 2km, Error ellipse: s-maj=2.8km s-min=1.1km az=19.5

JMA 24 03:01:23.3, 24.71N:122.24E, h50km, 2km, M2.7

TAP 24 03:01:23.6, 24.72N:122.14E, h6km, ML3.5, C

ISC 24 03:01:21.5:1.1, 24.79N:0.03:122.28E:0.02, h12km, 8km, n75, c0.62/137, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like EOS1 EOS1, NTC Toucheng, TWC Suao, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NTST Danshui, TWS1 Kuangyinshan, TWS1, etc.

ATH 24 03:01:32.8, 38.24N:22.10E, h15km, 1km, ML2.9/37, Error ellipse: s-maj=1.1km s-min=0.6km az=325.0

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AIG2 Aigio, AIG3 Aigion, AIG4 Aigion, etc.

ATAL	Atalanti	0.86	57	P	Pg	03 01 49.1	-0.9
ATAL				S	Sg	03 02 01.3	+0.1
ATAL	comp=N,854µm,0.3s			AML	AML	03 02 06.4	
ATAL							
VLX	Vlachokerasia	0.89	165	P	Pg	03 01 49.8	-0.8
VLX	Vlachokerasia	0.89	165	P	Pg	03 01 49.4	-1.2
VLX	comp=N,3145µm,0.4s			AML	AML	03 02 04.7	
VLX							
VIL2	Platees	0.92	91	P	Pn	03 01 52.1	-0.3
VIL2	comp=N,3010µm,0.5s			AML	AML	03 02 07.7	
VIL2							
VILL	Villia	0.96	94	P	Pb	03 01 52.3	+0.2
EPID	Epidavros	1.02	127	P	Pb	03 01 52.3	-0.8
EPID	Anninatas	1.04	264	P	Pb	03 01 53.0	-0.4
KFL	Anninatas	1.04	264	P	Pb	03 01 53.3	-0.2
ITM	Ithomi	1.06	187	P	Pb	03 01 52.7	-1.1
ITM	Ithomi	1.06	187	P	Pb	03 01 52.7	-1.1
ITM	comp=E,1077µm,0.3s			AML	AML	03 02 11.2	
ITM							
SMIA	Simia	1.08	53	P	Pb	03 01 53.2	-1.0
SMIA	Simia	1.08	53	P	Pb	03 01 53.3	-0.9
SMIA	comp=E,2029µm,0.5s			AML	AML	03 02 14.4	
SMIA							
DID	Didima	1.16	128	P	Pb	03 01 54.8	-0.6
DID	Didima	1.16	128	P	Pb	03 02 13.7	
DID	comp=E,1742µm,0.4s			AML	AML	03 02 14.5	
DID							
VLMS	Volimes, Zakyn	1.19	253	P	Pn	03 01 55.0	-1.0
VLMS				S	Sm	03 02 12.7	+0.6
VLMS	comp=E,1742µm,0.2s			AML	AML	03 02 20.0	
VLMS							
KRND	KRANIDI	1.19	135	P	Pn	03 01 55.4	-0.6
KRND	KRANIDI	1.19	135	P	Pn	03 01 55.6	-0.4
KRND	comp=N,1275µm,0.8s			AML	AML	03 02 16.2	
KRND							
VLS	Valsamata	1.19	268	P	Pn	03 01 54.8	-1.2
VLS	Valsamata	1.19	268	P	Pn	03 01 55.1	-0.9
VLS	comp=E,594µm,0.2s			AML	AML	03 02 17.8	
VLS							
EVGI	Lefkada island	1.20	289	P	Pn	03 01 54.9	-1.2
EVGI	Lefkada island	1.20	289	P	Pn	03 01 54.9	-1.2
FSK	Fiskardo	1.23	281	P	Pn	03 01 55.7	-0.8
LKD2	Lefkada island	1.26	297	P	Pn	03 01 56.2	-0.8
LKD2	Lefkada island	1.26	297	P	Pn	03 01 56.4	-0.5
LKD2	comp=E,1237µm,0.6s			AML	AML	03 02 23.6	
LKD2							
MRKA	Markates	1.26	68	P	Pn	03 01 56.8	-0.2
MRKA	Markates	1.26	68	P	Pn	03 01 56.9	-0.1
MRKA	comp=N,574µm,0.5s			AML	AML	03 02 21.0	
MRKA							
TSLK	Tsoukalades, L	1.28	298	P	Pn	03 01 57.1	-0.1
TSLK	Tsoukalades, L	1.28	298	P	Pn	03 01 57.2	-0.2
ATH	Athens Observa	1.30	101	P	Pb	03 01 57.7	-0.3
ATH				AML	AML	03 02 20.0	
ATH	comp=E,848µm,0.7s			AML	AML	03 02 25.0	
ATH							
THL	Klokotos Trika	1.33	357	P	Pb	03 01 58.4	0.0
THL	Klokotos Trika	1.33	357	P	Pb	03 01 58.5	0.0
THL	comp=E,456µm,0.6s			AML	AML	03 02 21.6	
THL							
ATHU	Athens University	1.36	101	P	Pn	03 01 58.3	0.0
ATHU				AML	AML	03 02 21.0	
ATHU	comp=N,393µm,0.6s			AML	AML	03 02 23.1	
ATHU							
PYL	PYLOS	1.36	192	P	Pn	03 01 57.9	-0.5
PYL	PYLOS	1.36	192	P	Pn	03 01 58.1	-0.3
PYL	comp=E,739µm,0.7s			AML	AML	03 02 24.1	
PYL							
NEO	Neokhori	1.39	39	P	Pn	03 01 58.5	-0.3
NEO	Neokhori	1.39	39	P	Pn	03 01 58.7	-0.3
NEO	comp=N,648µm,0.3s			AML	AML	03 02 25.7	
NEO							
PTL	Penteli	1.41	97	P	Pn	03 01 58.7	-0.3
PTL				AML	AML	03 02 20.7	
PTL	comp=E,659µm,0.7s			AML	AML	03 02 22.8	
PTL							
XOR	Xorichti	1.42	37	P	Pn	03 01 58.7	-0.5
XOR	Xorichti	1.42	37	P	Pn	03 01 59.0	-0.2
SKIA	Skiathos	1.42	49	P	Pn	03 01 59.0	-0.2
SKIA				AML	AML	03 02 23.2	
SKIA	comp=N,401µm,0.6s			AML	AML	03 02 26.9	
SKIA							
DYR	Agios Nikonas	1.48	173	P	Pn	03 01 59.7	-0.3
DYR	Agios Nikonas	1.48	173	P	Pn	03 01 59.9	-0.1
DYR	comp=E,179µm,0.6s			AML	AML	03 02 25.6	
DYR							
VLI	Vellai	1.65	156	P	Pn	03 02 02.6	+0.3
VLI	Vellai	1.65	156	P	Pn	03 02 02.7	+0.3
VLI	comp=N,138µm,0.5s			AML	AML	03 02 32.2	
VLI							
VLI	comp=N,386µm,0.5s			AML	AML	03 02 32.5	
VLI							
LIT	Litokhoron	1.89	9	P	Pn	03 02 05.3	-0.4
LIT	Litokhoron	1.89	9	P	Pn	03 02 05.7	0.0
KTHA	Kythira Island	2.12	158	P	Pn	03 02 09.8	+1.0
ANKY	Antikythira Is	2.55	157	P	Pn	03 02 15.4	+0.7
IDI	Anoia	3.70	142	Pn	Pn	03 02 30.3	-0.2
MLR	Muntele Rosu	7.80	20	Pn	Pn	03 03 29.6	+2.7
BRTR	Keskin Array B	9.11	77	Pn	Pn	03 03 47.5	+2.6
TRRD	Torodi Ar. Bea	30.87	21	Pn	Pn	03 07 50.0	+0.1
MKAR	Makanchi Array	44.21	59	P	P	03 09 42.0	-0.4
ZALV	Zalesovo Beam	44.73	48	P	P	03 09 48.7	+2.3
ZALV	comp=N,0.5nm,0.3s,baz=262,slow=10.0,SNR=2.6						

CNP	Maasin	2.03	226	eS	Sn	03 09 56.8	-2.3
MSLP	Lapu-Lapu	2.63	242	eP	Pn	03 09 37.1	+0.7
LLP				eS	Sb	03 10 04.0	-0.4
LLP				eS	Sb	03 09 45.3	+0.6
LLP				eS	Sb	03 10 22.0	0.0
BUTP	Butuan	2.67	195	eS	Pn	03 09 47.1	+2.0
BUTP				eS	Sn	03 10 19.6	+1.5
PVCP	Vitara	2.94	314	eP	Sn	03 09 48.8	-0.2
PVCP				eS	Sg	03 10 36.0	+0.3
RCP	Roxas	3.52	270	eP	Sg	03 09 58.7	+1.8
RCP				eS	Sn	03 10 39.5	+0.2
JAP	San Jose, Anti	4.38	260	eP	Pb	03 11 35.9	-0.5
JAP	TNTI Ternate	10.76	174	ePn	Pn	03 11 35.9	-0.5
HKPS	Hong Kong Po S	15.79	314	ePn	P	03 12 46.5	-2.4
HKPS	173nm,1.5s						
GUMO	Guam	18.20	92	LR	LR	03 19 36.0	
GUMO	comp=Z,19nm,18.9s,baz=160,slow=35						
LHMI	Lhok Sumawe	27.5	260	eP	P	03 15 11.4	+2.2
LHMI	115nm,1.1s						
AS31	Alice Springs	35.78	168	eP	P	03 16 00.8	-1.2
AS31	1.0nm,0.3s,baz=353,slow=6.6,SNR=6.2						
CTAO	Charters Tower	37.05	148	eP	P	03 16 08.9	-4.1
CTAO	28nm,1.4s						
LHSA	Lhasa	37.35	304	eP	P	03 16 19.0	+3.0
LHSA	3.8nm,0.7s						
H1N1	WAKE ISLAND Hy	39.80	73	T	T	04 00 15.1	
H1N1	baz=265,slow=74,SNR=8.9						
H1N2	WAKE ISLAND Hy	39.81	73	T	T	04 00 11.5	
H1N2	baz=265,slow=74,SNR=7.2						
H1N3	WAKE ISLAND Hy	39.82	73	T	T	04 00 13.1	
H1N3	baz=265,slow=74,SNR=9.1						
SONO	Songino Array	39.85	339	eP	P	03 16 37.4	+1.1
SONO	Songino Array	39.85	339	eP	P	03 16 37.4	+1.1
MORW	Morawa	41.59	194	eP	P	03 16 49.5	-1.2
MORW	25nm,1.4s						
BBOO	Buckleboob	45.08	168	eP	P	03 17 24.1	+0.2
BBOO	2.3nm,0.5s,baz=153,slow=8.1,SNR=2.4						
STKA	Stephens Creek	45.59	162	eP	P	03 17 21.3	+1.4
STKA	2.3nm,0.5s,baz=14,slow=4.2,SNR=4.8						
STKA	Stephens Creek	45.59	162	eP	P	03 17 21.6	-1.3
STKA	2.1nm,1.4s						
MK31	Makanchi Array	51.06	322	eP	P	03 18 07.0	+2.0
MK31	2.1nm,0.8s						
MK32	Makanchi Array	51.06	322	eP	P	03 18 06.9	+1.8
MK32	Makanchi Array	51.06	322	eP	P	03 18 06.9	+1.8
MK32	1.9nm,0.6s,baz=117,slow=6.4,SNR=12						
MAK2	Makanchi	51.25	322	eP	P	03 18 08.7	+2.2
MAK2	4.5nm,1.3s						
CAN	Canberra	51.32	156	eP	P	03 18 03.8	-3.4
CAN	20nm,1.5s						
KURK	Kurchatov	55.06	325	eP	P	03 18 34.5	+0.1
KURK	6.9nm,1.1s						
ARCES	ARCESS Array B	83.02	340	P	P	03 21 29.1	+1.2
ARCES	0.7nm,0.7s,baz=84,slow=6.1,SNR=3.4						
FINA	FINESS Array S	84.80	332	eP	P	03 21 37.3	+0.3
FINA	FINESS Array B	84.80	332	eP	P	03 21 37.3	+0.3
FINA	2.1nm,0.9s,baz=64,slow=8.7,SNR=4.2						

MOA	Molln	3.98	235	ePn	Pn	03 15 46.0	+1.7
MOA	0.3nm,0.1s						
MOA							
MOA							
CLL	Collim	4.02	288	ePn	Pg	03 15 48.0	+3.3
CLL				eP	Pg	03 16 00.0	+1.1
CLL				eS	Sg	03 16 53.0	+2.0
DRG	Novy Kostel	4.20	144	iP	Pn	03 15 47.1	-0.2
DRG	comp=Z,11nm,0.6s			eS	Pn	03 16 58.9	-0.3
BURAR	Bucovina Array	4.81	121	iP	Pn	03 15 56.0	+0.3
BZS	Buzias	4.92	159	iP	Pn	03 15 57.1	-0.1
KBA	Koelnbreinspr	4.96	233	ePn	Pn	03 16 01.2	+3.4
KBA	comp=Z,0.5nm,0.2s						
KBA				eSn	Sn	03 16 56.6	+0.7
GZR	Gura Zlata	5.44	152	iP	Pn	03 16 04.3	-0.1
MDVR	Moldovita	5.74	161	iP	Pn	03 16 07.2	-1.2
DAVOS	Davos/Dinamit	7.04	244	Pn	Pn	03 16 26.9	+0.5
DAVOS	comp=Z,0.4nm,0.3s,baz=60,slow=14,SNR=3.8						
HFS	Hagfors	10.38	345	Pn	Pn	03 17 11.6	-0.3
HFS	comp=Z,0.1nm,0.3s,baz=168,slow=14,SNR=3.7						
HFS				eSn	Sn	03 19 07.3	-5.2
NOA	NORSAR Array B	11.69	341	Pn	Pn	03 17 23.9	-1.7
NOA	comp=Z,0.0nm,0.3s,baz=151,slow=12,SNR=3.9						
FINES	FINESS Array B	11.86	16	Pn	Pn	03 17 31.4	-1.0
FINES	comp=Z,0.2nm,0.3s,baz=200,slow=12,SNR=6.7						
FINES				eSn	Sn	03 19 38.2	-7.3
FINES	comp=Z,0.1nm,0.3s,baz=200,slow=14,SNR=3.8						

ISCJB 24 03:22:25.4:0.4,24:76N:0:02:122:26E:0:01,h8km,2km,
 Error ellipse: s-maj=2.9km s-min=2.2km az=14.5
 TAP 24 03:22:26.9:24:76N:122:16E:h15km,ML3.

YNG	Young	32.04 242	P	P	03 38 47.6 +2.3
MILA	Mila	32.09 237	P	P	03 38 47.6 +1.9
CMSA	Cobar Meteorol	33.91 248	P	P	03 39 02.3 +0.8
CTAO	Charters Tower	34.10 268	eP	P	03 39 04.8 +1.5
CTAO	Charters Tower	34.10 268	eP	P	03 39 04.8 +1.5
TOO	Tooolangi	35.04 237	eP	P	03 39 12.2 +1.0
TOO	Tooolangi	35.04 237	P	P	03 39 12.2 +1.0
TOO	Tooolangi	35.04 237	eP	P	03 39 12.2 +1.0
KWAJ	Kwajalein Atol	35.09 333	eP	P	03 39 12.6 +0.9
KWAJ	Kwajalein Atol	35.09 333	eP	P	03 39 12.6 +0.9
RABL	Rabaul	35.13 298	eP	P	03 39 09.9 -2.3
MOO	Mooriaans	35.27 228	eP	P	03 39 14.2 +1.2
TAU	Tasmania Unive	35.35 228	eP	P	03 39 15.5 +1.8
TAU	Tasmania Unive	35.35 228	eP	P	03 39 15.5 +1.8
MTSU	Mount Surprise	36.33 271	P	P	03 39 23.7 +1.3
PMG	Port Moresby	36.76 286	P	P	03 39 27.0 +0.9
PMG	Port Moresby	36.76 286	eP	P	03 39 26.9 +0.9
PMG	Port Moresby	36.76 286	eP	P	03 39 27.1 +1.0
STKA	Stephens Creek	37.42 247	eP	P	03 39 32.8 +1.3
STKA	Stephens Creek	37.42 247	eP	P	03 39 31.9 +0.4
STKA	Stephens Creek	37.42 247	eP	P	03 39 31.9 +0.5
ARPS	Mount Arapiles	37.74 239	P	P	03 39 34.9 +0.8
TAOE	Nuku Hiva Isla	38.17 74	eS	S	03 45 14.3 -4.8
TAOE	Nuku Hiva Isla	38.17 74	eS	S	03 45 14.3 -4.8
TAOE	Nuku Hiva Isla	38.17 74	eT	T	04 17 50.8
PATS	Pohnpei	38.27 318	eP	P	03 39 39.3 +0.6
COEN	Coen	38.60 277	eP	P	03 39 42.7 +1.2
COEN	Coen	38.60 277	eP	P	03 39 42.6 +1.1
ROET	Rikitea	38.79 99	eP	P	03 39 40.7 -1.4
HTT	Hallett	39.76 245	P	P	03 39 50.8 -0.1
QIS	Mount Isa	40.11 265	P	P	03 39 54.2 +0.2
MANU	Manus Island	40.28 296	eP	P	03 39 56.2 +0.8
JOHN	Johnston Islan	40.34 11	eP	P	03 39 55.0 -0.7
BBOO	Buckleboe	42.13 246	eP	P	03 40 10.0 -0.4
BBOO	Buckleboe	42.13 246	eP	P	03 40 09.9 -0.4
PTCN	Pitcairn Islan	42.83 102	eP	P	03 40 17.6 +1.6
MMPI	Merauke	43.21 283	eP	P	03 40 22.9 +3.7
AS31	Alice Springs	44.73 259	eP	P	03 40 31.4 0.0
ASAR	Alice Springs	44.73 259	eP	P	03 40 31.2 +1.1
ASAR	Alice Springs	44.73 259	eP	P	03 46 53.2 -2.4
WAKE	Wake Island	45.05 338	eP	P	03 40 32.4 -0.4
WB2	Warramunga Arr	45.06 264	eP	P	03 40 33.5 -0.4
WB2	Warramunga Arr	45.06 264	eP	P	03 40 33.5 -0.4
WRAB	Tennant Creek	45.06 264	eP	P	03 40 33.6 -0.3
WRAB	Tennant Creek	45.06 264	eP	P	03 40 34.1 +0.1
WR1	Warramunga Arr	45.07 264	eP	P	03 40 34.1 +0.1
WR1	Warramunga Arr	45.07 264	eP	P	03 40 34.1 +0.1
WRA	Warramunga Arr	45.07 264	eP	P	03 46 56.5 -4.0
GENI	Genyem	46.09 290	P	P	03 40 42.2 +0.2
KHU	Kahuku	47.10 28	eP	P	03 40 48.7 -1.2
KHU	Kahuku	47.10 28	eP	P	03 40 48.7 -1.2
KHLU	Kahulu	47.29 28	eP	P	03 40 50.5 -0.7
MLOA	Mauna Loa Obse	47.37 28	eP	P	03 40 52.3 0.0
KKO	Keankakao i	47.39 28	eP	P	03 40 51.4 -0.6
HUH	Hualalai	47.39 28	eP	P	03 40 52.6 +0.4
BYL	Byron's Ledge	47.40 29	eP	P	03 40 53.5 +1.4
MLH	Mauna Loa	47.42 28	eP	P	03 40 54.1 +1.7
MLH	Mauna Loa	47.42 28	eP	P	03 40 54.1 +1.7
STCH	Steam Cracks	47.44 29	eP	P	03 40 53.1 +0.8
PHHA	Humu'ula Sheep	47.47 28	eP	P	03 40 53.3 +0.4
POHA	Pohakuloa	47.59 28	eP	P	03 40 55.3 +1.6
HPAH	Hawaii Prepara	47.76 28	eP	P	03 40 55.8 +0.8
MHA	Mahukona	47.81 27	eP	P	03 40 57.3 +2.2
MHA	Mahukona	47.81 27	eP	P	03 40 57.3 +2.2
KIP	Kipapa	48.08 24	eP	P	03 40 57.5 +0.3
KIP	Kipapa	48.08 24	eP	P	03 40 57.5 +0.3
KHLH	Kahului Airpor	48.23 26	eP	P	03 40 59.8 +1.5
KDU	Kakadu	48.84 273	eP	P	03 41 02.5 -0.6
FORT	Forrest	49.02 249	eP	P	03 41 03.4 -1.0
FORT	Forrest	49.02 249	eP	P	03 41 03.9 -0.5
WRKA	Warakuma	49.55 256	P	P	03 41 08.0 -0.6
MTN	Manton Dam	50.02 272	eP	P	03 41 11.8 -0.3
MTN	Manton Dam	50.02 272	eP	P	03 41 11.6 -0.5
KNRA	Kunurra	51.31 268	P	P	03 41 21.7 -0.1
GUMO	Guam	52.11 311	eP	P	03 41 27.8 +0.2

GUMO	Guam	52.11 311	eP	P	03 41 28.3 +0.7
GUMO	Guam	52.11 311	eP	P	03 41 28.3 +0.7
GUMO	Guam	52.11 311	eP	P	03 41 28.3 +0.7
FAKI	Fak Fak	52.90 285	eP	P	03 41 33.4 -0.2
ANA2	Anatahan	53.48 314	eP	P	03 41 37.9 +0.2
SARN	Sarai	53.69 314	eP	P	03 41 39.0 -0.3
KMBL	Kambalda	54.22 247	P	P	03 41 42.3 -0.7
SWI	Swain	54.72 286	P	P	03 41 46.5 -0.2
SBA	Scott Base	55.28 184	eP	P	03 41 51.6 +1.8
SBA	Scott Base	55.28 184	eP	P	03 41 51.7 +1.8
MSAI	Masohi	55.68 282	P	P	03 41 53.2 -0.5
PALU	Palau	56.17 297	P	P	03 41 57.9 +0.8
AAI	Ambon	56.20 282	P	P	03 41 57.5 +0.2
NLAI	Namlea	57.37 282	P	P	03 42 05.3 -0.3
SOEI	Soe	57.40 273	eP	P	03 42 07.6 +1.6
SOEI	Soe	57.40 273	eP	P	03 42 06.9 +1.0
BATI	Baumata	57.79 272	P	P	03 42 10.0 +1.4
MEEK	Mesakaarra	57.83 252	P	P	03 42 07.6 -1.1
RKGY	Rocky Gully	57.90 243	P	P	03 42 09.9 +0.9
NWAO	Narrogin (SRO)	57.91 245	P	P	03 42 09.1 -0.1
MBWA	Marble Bar	58.08 259	P	P	03 42 10.2 -0.3
LBMI	Labuha	58.15 284	P	P	03 42 11.2 +0.1
BLDU	Balidu	58.73 247	P	P	03 42 14.2 -0.6
SANI	Sanana	58.89 282	P	P	03 42 15.5 -0.6
TNTI	Ternate	58.92 286	P	P	03 42 16.0 -0.3
TNTI	Ternate	58.92 286	P	P	03 42 16.3 0.0
MUN	Mundaring	58.92 246	P	P	03 42 16.2 +0.1
MORW	Morawa	59.58 249	eP	P	03 42 20.3 -0.4
MORW	Morawa	59.58 249	eP	P	03 42 20.1 -0.6
MMRI	Maumere	59.67 273	eP	P	03 42 21.2 -0.3
EDFI	Edo Flores	60.13 273	P	P	03 42 24.6 -0.2
RPN	Rapa Nui	60.85 109	eP	P	03 42 31.0 +1.6
RPN	Rapa Nui	60.85 109	eP	P	03 42 31.0 +1.6
WSI	Waingapu	61.08 272	P	P	03 42 31.3 +0.2
KDI	Kendari	61.13 279	P	P	03 42 31.2 -0.2
SGSI	Sangihe	61.90 282	P	P	03 42 36.4 -0.2
CASY	Casey	61.92 206	eP	P	03 42 36.7 +0.9
CASY	Casey	61.92 206	eP	P	03 42 36.7 +0.9
WBSI	Waikabubak, Su	61.92 271	P	P	03 42 36.7 -0.1
LUWI	Luwuk	62.22 282	eP	P	03 42 37.9 -0.8
LUWI	Luwuk	62.22 282	eP	P	03 42 37.9 -0.8
GIRL	Giralila	62.63 256	eP	P	03 42 39.1 +0.4
GIRL	Giralila	62.63 256	eP	P	03 42 43.5 +2.2
BKSI	Bakulu	62.87 276	P	P	03 42 42.4 -0.6
DDMP	Don Marcelino	62.91 290	eP	P	03 42 41.2 -2.0
BNSI	Bone	63.25 277	P	P	03 42 45.0 -0.5
KAPI	Kappang	63.33 276	eP	P	03 42 46.5 +0.4
KAPI	Kappang	63.33 276	eP	P	03 42 46.5 +0.4
KAPI	Kappang	63.33 276	eP	P	03 42 46.9 +0.9
DAV	Davao City (W)	63.51 291	P	P	03 42 48.1 +1.0
DAV	Davao City (W)	63.51 291	P	P	03 42 48.1 +1.0
DAV	Davao City (W)	63.51 291	P	P	03 42 47.7 +0.5
DAV	Davao City (W)	63.51 291	P	P	03 42 45.0 -2.2
DMPH	Davao City-Mi	63.57 291	P	P	03 42 48.0 +0.4
PLAI	Pilampang	63.70 271	P	P	03 42 48.4 -0.1
SFSI	Sidrap Palu	63.73 277	P	P	03 42 48.0 -0.7
KCP	Kidapawan	63.90 291	P	P	03 42 49.1 -0.7
TTSI	Tata Toraja	64.06 278	P	P	03 42 50.6 -0.2
SKMP	Bagumbayan, Su	64.13 290	eP	P	03 42 50.6 -0.7
BUKP	Musuan	64.35 292	eP	P	03 42 53.2 +0.5
BUTP	Butuan	64.43 293	eP	P	03 42 53.8 +0.7
CTBH	Cotabato-PC H	64.73 291	eP	P	03 42 54.8 -0.3
MISL	Misaki	65.67 291	eP	P	03 42 56.5 -0.5
SRBI	Singaraja	66.33 271	P	P	03 43 05.3 -0.2
QSPA	South Pole Qui	66.92 180	eP	P	03 43 10.1 +1.6
QSPA	South Pole Qui	66.92 180	eP	P	03 43 10.0 +1.5
QSPA	South Pole Qui	66.92 180	eP	P	03 51 52.0 +4.2
JAGI	Jajag, Banyuwa	67.17 270	eP	P	03 43 10.8 0.0
JAGI	Jajag, Banyuwa	67.17 270	eP	P	03 43 11.2 +0.4
KBKI	Kotabaru	67.29 276	P	P	03 43 13.1 +1.6
SMKI	Samarinda	67.50 280	P	P	03 43 15.7 +2.8
KMMI	Kalianget	67.86 272	eP	P	03 43 17.3 +2.2
PVCP	Virac	68.06 296	eP	P	03 43 17.1 +0.8
RCP	Rexas	68.18 291	eP	P	03 43 18.5 +0.4
OTRP	Odiangan	69.19 294	eP	P	03 43 22.3 -1.0
GRJI	Greggio	69.28 271	P	P	03 43 25.0 +1.1
HJ2	Mitsune	69.39 322	eP	P	03 43 23.8 -0.3
MTKI	Mt Kinabalu	69.40 278	P	P	03 43 26.9 +2.2
HJH	Hachijo jima 2	69.41 320	P	P	03 43 23.8 -0.4
PWJI	Pagerwojo	69.49 270	P	P	03 43 25.6 +0.4
NGJI	Ngawi	70.05 270	P	P	03 43 31.0 +2.4
WUJI	Wonorejo, Jawa	70.37 270	P	P	03 43 31.0 +2.4
UGM	Wanagama	70.71 270	eP	P	03 43 33.2 +0.5
UGM	Wanagama	70.71 270	eP	P	03 43 33.7 +1.0
YOGI	Yogyakarta	70.96 270	P	P	03 43 34.5 +0.4
TGY	Tagaytay City	70.99 295	P	P	03 43 35.3 +1.1
SMRI	Semarang	71.11 270	eP	P	03 43 35.3 +0.2
SMRI	Semarang	71.11 270	eP	P	03 43 36.5 +1.4
KKM	Kota Kinabalu	71.21 285	eP	P	03 43 34.7 -1.0
PBKI	Pangkalan Bu	71.64 275	P	P	03 43 46.2 +8.0
SMPP	San Manuel, Pa	72.25 297	eP	P	03 43 39.5 -2.2
KPJ	Karang Pucung	72.39 269	P	P	03 43 40.3 +0.3
JOW	Jombang	72.47 310	eP	P	03 43 42.9 0.0
JOW	Jombang	72.47 310	eP	P	03 43 42.9 0.0
INU	Inuyama	72.60 322	eP	P	03 43 43.0 -0.4
CMJI	Cimerak	72.67 269	P	P	03 43 43.9 -0.4
MJAR	Matsushiro Arr	72.81 324	P	P	03 43 43.5 -1.2
MAJO	Matsushiro	72.81 324	eP	P	03 43 43.8 -0.8
MAJO	Matsushiro	72.81 324	eP	P	03 43 43.8 -0.8
MAJO	Matsushiro	72.81 324	eP	P	03 43 43.4 -1.3
MAT	Matsushiro	72.81 324	P	P	03 43 44.1 -0.6
MJB9	Matsu-Tunnel	72.81 324	eP	P	03 43 47.3 -0.4
SBUM	Sibu	73.24 280	eP	P	03 43 49.8 +0.8
JCJI	Jatijang	73.33 270	P	P	03 43 48.1 -0.3
CISI	Cisompet, Garu	73.33 269	eP	P	03 43 48.3 0.0
CISI	Cisompet, Garu	73.33 269	eP	P	03 43 48.3 0.0
LEM	Lempit	73.79 269	P	P	03 43 51.8 +0.7
XMIS	Christmas Isla	74.26 265	eP	P	03 43 54.9 +1.3
KSM	Kuching	74.57 278	eP	P	03 43 54.4 -1.1

KIWB	Kanaka Island	74.69 0	eP	P	03 43 53.7 -1.5
SKJI	Sukabumi	74.70 269	P	P	03 43 57.3 +1.1
ADK	Adak	74.72 0	eP	P	03 43 54.4 -0.9
ADK	Adak	74.72 0	eP	P	03 43 54.4 -0.9
JNU	Nakatsue	74.74 317	P	P	03 43 55.4 -0.6
JNU	Nakatsue	74.74 317	eP	P	03 43 55.6 -0.4
YOJ	Yonaguni jima	74.91 305	eP	P	03 43 56.8 -0.2
YOJ	Yonaguni jima	74.91 305	eP	P	03 44 33.4 -3.5
YOJ					

Table with columns for station call letters, frequency, and other identifiers. Includes stations like VRI Vriniciaoia, TSCOR Constantia Port, and various other regional stations.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like BRG comp=Z,20nm,1.4s, BRG Mammari, and various other regional stations.

Table with columns for station call letters, frequency, and other identifiers. Includes stations like PHSR Pinarhisar, GZIR comp=Z,4um,0.5s, and various other regional stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

MEX 24 03:45:1.6:0.7, 16:05N:95:91W, h48km,gkm, MD3.7,

Table listing station codes and names for the Mexico region, including HUIG, PANG, VHO, and others.

ISCJB 24 03:49:51.4:0.5, 52:15N:0:09:172:67E, 0:06, h24km,

mb4.2/47, MS4.0/1, Error ellipse: s-maj=13.0km s-min=5.4km az=172.4

ISC 24 03:49:51.0:1.3, 52:39N:172:78E, h0km, mb4.1/19,

mb1 4.3/20, mb1mx1.0/77, mbtmp4.1/20, ML3.2/1, MS4.0/1, Ms1 1.9/1, ms1mx3.1/36, Error ellipse: s-maj=34.7km s-min=14.9km az=174.0

NEIC 24 03:49:52.6:1.5, 52:27N:172:62E, h15km, gkm, mb4.2/38,

Error ellipse: s-maj=18.0km s-min=6.7km az=169.0

ISC 24 03:49:53.9:0.7, 52:30N:172:51E, 0:05, h24km, n76,

r=142:72, mb4.3/47, Near Islands

Table listing station codes and names for the Near Islands region, including SMO, SMD, ADK, and others.

NEIC 24 03:51:43.7:2.4, 13:61S:166:89E, h115km, gkm, mb4.4/9,

Error ellipse: s-maj=32.4km s-min=4.9km az=95.0

ISC 24 03:51:46.1:4.2, 13:71S:166:88E, h127km, 38km, mb3.8/9,

mb1 4.0/10, mb1mx3.7/42, mbtmp4.2/10, Error ellipse: s-maj=33.3km s-min=22.5km az=111.0

ISC 24 03:51:42.5:0.8, 13:62S:0:07:167:0E, 0:2, h100km, n32,

az=142:34, mb4.2/17, Vanuatu Islands

Table listing station codes and names for the Vanuatu Islands region, including DZM, DZM, DZM, and others.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NSTT Nanjuang, JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

ATH 24 05:28:34.8, 37.34N, 27.03E, h26km, 3km, ML2.7/1, Error ellipse: s-maj=5.8km s-min=1.4km az=110.0

ISCJB 24 05:28:36.0, 37.33N, 0.04, 27.01E, 0.04, h23km, 9km, Error ellipse: s-maj=6.2km s-min=5.3km az=2.0

DDA 24 05:28:36.4, 37.36N, 27.03E, h7km, 3km, ML2.4

THE 24 05:28:36.0, 37.32N, 26.97E, h3km, 3km, ML2.5/2, Error ellipse: s-maj=3.8km s-min=0.4km az=56.0

ISC 24 05:28:36.2, 37.33N, 0.03, 27.01E, 0.03, h20km, 4km, n15, r0974/22, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BODT Bodrum, SMG Samos, AYDN Tasoluk, etc.

IDC 24 05:30:49.7, 1.1, 3.48N, 125.29E, h0km, mb3.9/6, mb1.4/0.6, mb1mx3.737, mbtmp3.9/6, MS3.1/2, Ms1.3/1.2, ms1mx2.6/3.5, Error ellipse: s-maj=205.0km s-min=17.6km az=68.0

MAN 24 05:30:51.1, 3.97N, 126.87E, h13km, mb5.3, ML4.3, MS4.5

ISCJB 24 05:30:54.0, 0.8, 3.84N, 0.05, 126.56E, 0.07, h45km, mb3.9/6, Error ellipse: s-maj=11.0km s-min=6.6km az=163.5

DJA 24 05:30:56.4, 1.4, 4.1N, 10.12, 6E, 1.0, h59km, 14km, M4.4/4, MLV4.4/4

ISC 24 05:30:55.6, 1.0, 3.84N, 0.06, 126.5E, 0.1, h45km, n14, r153/16, mb4.0/6, 1C-1D, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SGSI Sangihe, DDMP Don Marcelino, SKMP Bagumbayan, etc.

ISCJB 24 05:30:55.0, 0.4, 24.77N, 0.02, 122.25E, 0.02, h10km, 2km, Error ellipse: s-maj=3.2km s-min=2.4km az=25.2

JMA 24 05:30:56.0, 6.1, 24.69N, 122.22E, h47km, 4km, M2.6

TAP 24 05:30:56.8, 24.77N, 122.16E, h15km, ML3.1, C

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EOS1 EOS1, TWC Suao, NTC Toucheng, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TWA Mucha, NDT Datong Townshi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YMO1 YMO1, JYNG Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YMO4 YMO4, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YOJ Yonaguni jima, TWY Chenhua, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TWS1 Kuangyinshan, TWS1 Kuangyinshan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NTST Danshui, NNSB Datong, etc.

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, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SMLT Sun Moon Lake, EHY Hungye, etc.

IDC 24 05:34:19.7, 1.4, 36.89N, 140.83E, h0km, mb3.7/3, mb1.4/0.4, mb1mx3.5/43, mbtmp3.6/4, ML2.6/1, Error ellipse: s-maj=33.6km s-min=25.7km az=144.0

ISCJB 24 05:34:20.0, 0.5, 37.11N, 0.03, 140.73E, 0.04, h10km, 3km, mb3.8/3, Error ellipse: s-maj=6.3km s-min=4.6km az=30.4

JMA 24 05:34:20.5, 37.11N, 140.68E, h8km, 1km, M3.4

JMA Fell II J1

ISC 24 05:34:20.6, 0.9, 37.11N, 0.03, 140.71E, 0.03, h7km, 6km, n19, r069/23, mb3.6/3.5, Eastern Honshu

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H1N2 WAKE ISLAND, H1N1 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H1N3 WAKE ISLAND, H1S1 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H1S2 WAKE ISLAND, ILAR Eielson Array, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RTVC Cerro Valdivia, ACCO Cerro Coronel, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like AMOC MOGNA, AROD Rodeo, AROD Rodeo, etc.

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

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

24d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YAHY, GZT, KERG, ELBS, ATAB, SURC, UNFA.

KRNET 24 06:24:36.8.0.1, 40.88N, 74.11E, h22km, mb2.2
SOME 24 06:24:37.4, 40.85N, 74.17E, h10km
NINC 24 06:24:39.6.1.7, 41.00N, 74.11E, h0km, mb2.9, mpv2.7

Main table for 24d 7h section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARSB, UCH, KZA, NRN, AAK, KBK, MRKS, ULHL, BOOM, TKM2, KST, SGT, IUG, KK31, BRLS.

TIF 24 06:30:55.4, 42.38N, 40.98E, h26km, 3km
DDA 24 06:31:11.9, 41.54N, 41.69E, h7km, 2km, ML2.2
ISC 24 06:30:56.4.1.1, 42.42N, 0.003, 41.04E, 0.04, h22km, 9km, n17, c0.15/31, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATMI, DOMR, ARXR, DBOC, TKB, MEY, DAGI, SOC, SHA1, ONI, LZRR, ZEI, LACR.

MAN 24 06:31:29.3, 7.30N, 124.82E, h8km, mb4.6, ML3.4, MS3.3, 3C-2D, Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KCP, CTBH, BUKP, DMPH, SKMP, CGP.

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Table with columns: MATI, Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MATI, DDMP, BUTUP, DCPH, MSLP.

UCR 24 07:15:18.2, 2.1, 9.90N, 84.05W, h72km, 4km, MW3.7, Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SJS, HDC, LCR2, CVTR, SRA1, EDDO, EDLM, AHE1, CEDE, JRS, DTK, JKS, PTJ1, BUEV, GB1A, BRU2, ESPN, ACON.

JMA 24 07:01:55.2, 0.1, 24.72N, 123.42E, h20km, 3km, M1.5, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YOJ, IRIF, JYNG, JKRS, HATJ, IJJI, JISG, JTJ.

TAP 24 07:01:56.6, 24.46N, 121.94E, h12km, ML2.1, 1C, C, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWC, NANO, ENA, EOS1, TWE, ENTT, NDT, NACB, ETLH, NNSB, NNS, TIPB, YHNB, YHNB, NSK, NWF, WFSB, WHF.

JMA 24 07:03:55.1, 0.2, 29.72N, 131.69E, h50km, 4km, M3.5, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMTN, JTN, JYAK, JKC, JNN, JTSR, JNAR, JNKJ, JNGK, JSU, JZT, JAM, JAM, JTSN, JSJ.

1304

Table with columns: JZO, JAMN, JAMN, JTK, JJKU, JYRO, Okuchi, Amaminishikomi, Kotonoshima, Kitadaitoujima, Yoronjima.

DDA 24 07:09:24.7, 39.34N, 29.02E, h7km, 3km, ML2.0, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DEMI, GDZ, DURS, USAK, ULDT, MANT, KHAL.

JMA 24 07:09:55.3, 0.1, 24.65N, 123.44E, h16km, 3km, M1.4, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IRIF, YOJ, JYNG, JKRS, HATJ, IJJI, JISG, JTJ.

TAP 24 07:10:29.0, 24.55N, 121.80E, h7km, ML1.4, 1C, B, Taiwan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TWC, NANO, ENA, TWE, ENTT, NDT, EOS1, YHNB, NSK, TIPB, ETLH.

ISCJB 24 07:20:20.1, 0.3, 3.60N, 0.04, 126.16E, 0.07, h116km, mb4.5/1, Error ellipse: s-maj=10.9km s-min=3.9km az=160.9

IDC 24 07:20:20.7, 4.7, 3.50N, 125.77E, h114km, 53km, mb4.0/4, mb1.4, 2/6, mb1mx3.5/36, mbmp4.5/6, MS3.4/1, Ms1.3, 4/1, ms1mx2.4/34, Error ellipse: s-maj=120.5km s-min=13.2km az=67.0

DJA 24 07:20:20.7, 0.8, 4.1N, 5.12E, h112km, 7km, M4.8/8, mb5.0/4, mb5.2/4, MLv4.78, MW(mBJ)4.6/4

NEIC 24 07:20:21.1, 1.2, 3.57N, 125.92E, h120km, 4km, mb4.5/11, Error ellipse: s-maj=28.4km s-min=8.7km az=68.0

MAN 24 07:20:26.0, 4.09N, 125.91E, h159km, mb4.7, ML3.6, MS3.5

ISC 24 07:20:20.5, 0.6, 3.63N, 0.05, 126.04E, 0.09, h116km, n35, c152/39, mb4.6/11, 2C-1D, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SGSI, DDMP, GSPH, TINTI, SKMP, DAV, DMPH, KCP, CTBH, BUKP, SANI, SJI, NLAI, FAKI, SBUM, JAGI, MTN, COEN, WR1, WRA, WB2, WBC, AS31.

24d 10h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NRN Naryn, DJR Jarkent, BOOM Boomkoye usch, etc.

DDA 24 09:23:56.7, 39.45N, 28.13E, h7km, 5km, ML2.5
ISK 24 09:23:56.4, 39.45N, 28.14E, h6km, ML 1.9/5
ISCJB 24 09:23:57.1, 0.6, 39.45N, 0.03, 28.15E, 0.04, h2km, 5km,
Error ellipse: s-maj=5.1km s-min=3.8km az=138.1
ISC 24 09:23:56.9, 1.0, 39.45N, 0.03, 28.15E, 0.03, h9km, 9km,
n12, e050/23, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BALB Balikesir, DURS Dursunbey, DEMI Demirci, etc.

DDA 24 09:43:24.7, 41.23N, 41.62E, h7km, 2km, ML2.5,
Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DBOC Borcka, DBAD Bademkaya, DAGI Agilar, etc.

MAN 24 09:53:33.1, 12.37N, 124.70E, h24km, mb3.8, ML2.5,
MS2.0, 1C, Samar

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CNP Catamaran, BESP Borongan, PLP Palo, etc.

IDC 24 10:00:51.5, 1.0, 18.29N, 103.33W, h0km, mb4.0/12,
mb1.4/17, mb1mx4.0/36, mbmp3.9/17, ML3.6/5, MS3.4/9,
Ms1.3/4.9, ms1mx3.1/38, Error ellipse: s-maj=30.4km
s-min=13.8km az=48.0
NEIC 24 10:00:55.0, 0.0, 18.17N, 103.39W, h9km, mb4.2/97,
MD4.2(MEX), After MEX.
MEX 24 10:00:55.0, 0.3, 18.17N, 103.39W, h9km, 2km, MD4.2
ISC 24 10:00:53.3, 1.2, 18.16N, 103.41W, 0.06, h16km, 6km,
n272, e184/276, mb4.3/67, MS3.5/7, Near coast of
Michoacan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MMIG Aquila, EZSV Zihuatanejo, CJM Chamela, etc.

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like H06E1 SOCORRO T-PHAS, LNIG Linares, CMIG Matias Romero, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LRAL Lakeview Retre, SHPR Sheep Range, X46A Booneville, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like W53A Cullowhee, BG3 Lake Jocassee, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TTA Talatina, COLD Toolfoot, etc.

Station information and call sign details for stations like IDC 24 10:05:23.8.2.4, 3.12S, 127.76E, h0km, mb3.5/2, etc.

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

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IDC 24 10:38:59.3.0.9, 35.97N, 141.88E, h0km, mb3.6/7, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like H11S1 WAKE ISLAND, H11S3 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DDA 24 10:39:40.5, 39.34N, 29.15E, h5km, ML2.8, Turkey, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IDC 24 10:51:30.8.0.9, 13.51N, 121.78E, h0km, mb4.2/24, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Guam, Chiang Mai Arr, CMAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like Bartin, Kurucasile-Bar, Safranbolu, etc.

IDC 24 11:03:12.2-2.0, 41.48S, 174.26E, h0km, mb4.0/2, mb1 4.2/2, mb1mx3.9/14, mbtmp3.4/2, Error ellipse: s-maj=107.6km s-min=45.5km az=24.0

ISK 24 11:30:15.8, 41.166N, 32.51E, h1km, ML3.1/13 DDA 24 11:30:15.8, 41.70N, 32.39E, h19km, ML3.4

IDC 24 11:46:53.8, 38.93N, 26.61E, h7km, mb3.8/2, mb1 3.8/4, mb1mx3.6/20, mbtmp3.7/4, ML3.3/2, Error ellipse: s-maj=186.8km s-min=29.4km az=55.0, Savu Sea

DDA 24 11:49:01.8,39:34N,29:02E,h12km,2km,ML3.6
 ISCJB 24 11:49:02.0,39:34N,01:29:00E,0.02,h3km,3km,
 Error ellipse: s-maj=2.7km s-min=2.3km az=168.8
 ISK 24 11:49:02.2,39:34N,29:03E,h3km,ML3.5/55
 THE 24 11:49:03.8,39:28N,28:91E,h2km,2km,ML3.0/2,Error
 ellipse: s-maj=4.9km s-min=0.6km az=99.0
 ISC 24 11:49:03.0,1.0,39:35N,0:02:29.02E,0.02,h9km,9km,
 n86,c079/105,Turkey

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SMAA	Simav-Kutahya	0.25 187	PG	Pg	11 49 07.8 -0.2
SMAA			SG	Sg	11 49 12.1 +0.8
TVSB	Savsanli	0.36 73	PG	Pg	11 49 09.9 -0.2
SHAP	Taphanes-Kutahya	0.36 154	PG	Pg	11 49 09.9 -0.2
DEM1	Demirci	0.38 218	iP	Pb	11 49 14.8 +0.2
DEM1			iS	Sb	11 49 15.8 +0.2
GEDZ	Gediz	0.43 135	PG	Pg	11 49 11.2 -0.2
GEDZ			SG	Sg	11 49 16.9 -0.1
GDZ	Gediz	0.44 126	iP	Pb	11 49 12.0 +0.4
GDZ			iS	Sb	11 49 17.7 +0.3
			IAML_P		
DURS	Dursunbey	0.49 301	iP	Pb	11 49 12.5 -0.1
DURS			iS	Sb	11 49 19.0 -0.1
			IAML_P		
USAK	Uak-Merkez	0.63 180	iP	Pb	11 49 15.2 0.0
USAK			iS	Sb	11 49 23.3 -0.1
ORLDT	Orhaneli	0.70 352	PG	Pg	11 49 16.0 -0.6
ULUDAG	Uludag	0.80 56	iP	Pb	11 49 17.3 -1.1
			IAML_P		
KULA	Kula-Manisa	0.88 199	PG	Pg	11 49 19.3 -0.6
KULA			P	P	11 49 19.1 -0.8
KULA			Sg	Sg	11 49 30.9 -0.4
MANT	Manisa	0.93 203	iP	Pb	11 49 19.4 -0.2
MANT			iS	Sb	11 49 32.0 -0.9
BALB	Balikesir	0.93 289	PG	Pb	11 49 21.2 -0.1
MDNY	Mudanya-Bursa	1.03 354	PG	Pg	11 49 22.4 -0.3
KHAL	Khalid	1.04 159	iP	Pb	11 49 22.3 -0.7
KHAL			iS	Sb	11 49 36.9 -0.2
AKHS	Akhisar	1.05 244	iP	Pb	11 49 23.8 -0.1
AKHS			iS	Sb	11 49 37.7 +0.5
			IAML_P		
AKS	Akhisar	1.05 244	PG	Pg	11 49 22.9 -0.2
IZI	Iznik	1.05 19	PG	Pg	11 49 23.2 0.0
IZI			SG	Sg	11 49 38.8 0.0
KCTX	Karacabey (Bur	1.05 331	PG	Pg	11 49 23.1 -0.1
GOMA	Golmarmara-Man	1.07 234	PG	Pg	11 49 23.3 -0.2
GEMT	Gemlik	1.09 7	PN	Pb	11 49 24.3 +0.2
GHAN	Ghazale	1.17 231	PN	Pb	11 49 20.1 -0.8
KHL	Karahalli	0.19 159	PN	Pb	11 49 23.7 -0.3
AFYO	Afyonkarahisar	1.14 119	iP	Pb	11 49 25.3 0.0
AFYO			iS	Sb	11 49 40.7 -0.4
			IAML_P		
AUKIR	Kirka-Seyitga	1.17 93	iP	Pb	11 49 26.6 +0.9
ADVT	Abdulvahap	1.22 27	PN	Pb	11 49 26.5 +0.2
ARMT	Armutlu	1.22 354	PN	Pb	11 49 26.5 +0.1
BORA	Esikisehir	1.23 64	PN	Pg	11 49 25.7 -0.9
BORA	Esikisehir	1.23 64	iP	Pb	11 49 25.8 -0.9
BORA			iS	Sb	11 49 42.1 -0.5
			IAML_P		
GONE	Gonen-Balikesir	1.24 305	PN	Pb	11 49 26.7 +0.1
YLV	Yalova	1.25 12	PN	Pb	11 49 26.9 -0.1
EDC	Edincik	1.34 349	PN	Pb	11 49 26.9 +0.1
KZIL	AFYON_Kiziroen	1.40 141	iP	Pb	11 49 29.2 -0.2
KZIL			iS	Sb	11 49 48.2 +0.3
			IAML_P		
SRCK	Saricakaya, Es	1.42 60	PN	Pb	11 49 29.2 +0.2
SRCK	Saricakaya, Es	1.42 60	iP	Pb	11 49 29.3 +0.3
SRCK			iS	Sb	11 49 49.7 +1.0
ESKT	Esikisehir	1.43 82	PN	Pb	11 49 29.8 -0.1
SHUT	Suhut-Afyon	1.43 123	PN	Pb	11 49 29.7 -0.3
GEVY	SAKARYA_Geyve	1.50 40	iP	Pb	11 49 30.1 -0.1
BUYK	Buyukada	1.51 3	PN	Pb	11 49 31.0 +0.9
HRT	Herake	1.56 18	PN	Pb	11 49 30.4 -0.5
GULT	Gulveren	1.58 46	PN	Pb	11 49 31.6 +0.3
CIFT	Cifteler, Eski	1.58 89	PN	Pb	11 49 31.9 +0.5
CIFT	Cifteler, Eski	1.58 89	iP	Pb	11 49 32.5 0.0
			IAML_P		
BOLV	Bolvadin	1.63 112	iP	Pb	11 49 31.3 -0.7
BOLV			iS	Sb	11 49 53.9 -0.2
AYDB	Zeytinokoy-Aydi	1.65 213	PN	Pb	11 49 32.5 +0.1
SPNC	Sapancak-Adapaz	1.66 36	PN	Pb	11 49 33.5 -0.3
DKL	Dikili	1.67 243	PN	Pb	11 49 33.7 +0.7
MRMT	Marmara Adasi	1.67 319	PN	Pb	11 49 33.3 -0.6
KAVV	Kandilli-Istan	1.72 1	PN	Pb	11 49 34.2 -0.5
SAUV	Serdivan-Sakar	1.72 35	PN	Pb	11 49 34.0 +0.9
ISK	Istanbul-Kandi	1.72 1	PN	Pb	11 49 34.1 +0.9
ISK	Istanbul-Kandi	1.72 1	iP	Pb	11 49 34.1 +0.9
BLCB	Balcova	1.82 339	PN	Pb	11 49 35.0 +0.1
BRDR	BURDUR-Merkez	1.84 153	iP	Pb	11 49 35.0 +0.1
BRDR			iS	Sb	11 50 06.7 +4.6
			IAML_P		
SILT	Sile	1.87 15	PN	Pb	11 49 36.5 -0.8
TAVA	DENIZLI_Tavas	1.88 183	iP	Pb	11 49 34.0 -1.4
KLYT	Kilyos	1.90 1	PN	Pb	11 49 37.0 -0.9
AYDN	Tasoluk	1.91 208	iP	Pb	11 49 34.6 -1.2
ISP	Isparta	1.92 142	PN	Pb	11 49 36.5 +0.4
CTKS	Kestaneelik-??a	1.92 142	PN	Pb	11 49 36.5 +0.8
BAGO	Egridir-ISP	1.94 134	iP	Pb	11 49 37.8 -0.8
SVRH	Sivrihisar-ESK	1.94 86	PN	Pb	11 49 37.3 +1.0
RKY	Sarkoy-Tekirda	1.95 314	PN	Pb	11 49 37.3 +1.3
BTAS	Taskesti	1.95 51	iP	Pb	11 49 36.3 -0.1
AUSV	SIVRIHISAR	1.96 86	PN	Pb	11 49 37.9 -1.0
AUSV	SIVRIHISAR	1.96 86	iP	Pb	11 49 38.0 +0.7
AUMIH	MIHALIÇIK	1.97 74	iP	Pb	11 49 37.5 +0.7
AUMIH	MIHALIÇIK	1.97 74	Pb	Pb	11 49 39.2 0.0
MDUB	Mudurnu	2.02 55	PN	Pb	11 49 38.5 +1.2
LPK	Lapseki	2.02 301	PN	Pb	11 49 38.4 +1.1
SAHE	Sakarya_HENDEK	2.06 42	iP	Pb	11 49 37.0 0.0
URJ	Ladik-KONYA	2.12 243	PN	Pb	11 49 35.8 +0.9
EZN	Ezine	2.14 284	PN	Pb	11 49 39.9 +1.1
GCAM	G?zelcam?l	2.16 221	PN	Pb	11 49 40.3 +1.1
CTYL	Yalikoy Yolu	2.20 346	PN	Pb	11 49 41.1 +1.4
GELI	Tayfur-Gelibolu	2.22 299	PN	Pb	11 49 41.2 +1.2
KIZT	Kizilcal	2.27 101	PN	Pb	11 49 41.8 +0.9
YER	Yerkesik	2.28 195	PN	Pb	11 49 41.6 +0.7
YER	Yerkesik	2.28 195	Pb	Pb	11 49 40.3 -0.6
DALY	Dalyan (Mula)	2.54 187	PN	Pb	11 49 44.5 +0.1
KORT	Korkuelli	2.57 155	PN	Pb	11 49 45.5 +0.6
ALN	Alexandroupoli	2.76 305	Pb	Pb	11 49 47.4 0.0
LDK	Ladik-KONYA	2.82 319	PN	Pb	11 49 40.3 +1.4
SMTH	Samothraki Isl	2.91 294	Pb	Pb	11 49 49.6 +0.1
KONT	Konya-Tatoy	2.97 117	PN	Pb	11 49 51.7 +1.4
KEPZ	Antalya-Kepez	3.18 139	iP	Pb	11 49 53.3 0.0

ISCJB 24 11:52:05.0,0.4,35:46N,0:04:96.49W,0.03,h10km,Error
 ellipse: s-maj=6.1km s-min=3.3km az=161.6
 ANF 24 11:52:04.6,1:39N,96:47W,h1km,13km,ML3.6/8,
 Error ellipse: s-maj=16.6km s-min=6.3km az=148.0
 TUL 24 11:52:05.0,0.35:37N,96:48W,h9km,ML3.5
 NEIC 24 11:52:05.0,0.35:37N,96:48W,h9km,ML3.5(TUL),
 After TUL

NEIC Felt at Bixby, Earlsboro, Mannford and Paden.
 ISC 24 11:52:05.3,0.8,35:46N,0:05:96.51W,0.03,h10km,n24,
 c091/32,Oklahoma

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
TUL1	Leonard	0.74 52	eP	Pg	11 52 19.6 0.0
TUL1	Leonard	0.74 52	P	Pg	11 52 19.4 -0.2
			Sg	Sg	11 52 29.5 +0.3
			SS	Ss	11 52 30.8 +1.1
OK009	Oakdale Elemen	0.76 280	eS	Pb	11 52 40.1 -1.6
WMOK	Wichita Mounta	2.00 250	eP	Pb	11 52 06.1 -0.5
WMOK	Wichita Mounta	2.00 250	P	Pb	11 52 39.5 +0.5
			IAML_P		
W39A	Magazine	2.24 96	eP	Pb	11 52 42.7 +0.3

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
W39A	Magazine	2.24 96	P	Pb	11 52 42.6 +0.1
			S	Sb	11 53 10.4 +0.2
			S	Sb	11 53 10.4 +0.2
W39A	Magazine	2.24 96	P	Pb	11 52 42.6 +0.1
HHAR	Hobbs	2.24 68	eP	Pb	11 52 43.3 +0.8
HHAR			eS	Pb	11 53 19.1 +1.6
MIAR	Mount Ida	2.57 110	eP	Pb	11 52 47.9 +0.9
MIAR	Mount Ida	2.57 110	P	Pb	11 52 47.4 +0.4
			S	Sb	11 53 18.1 -0.3
MIAR	Mount Ida	2.57 110	P	Pb	11 52 47.9 +0.9
MIAR	Mount Ida	2.57 110	P	Pb	11 52 47.4 +0.4
			S	Sb	11 53 18.1 -0.3
U40A	Yellville	3.10 72	P	Pb	11 52 54.6 +0.3
			S	Sb	11 53 32.2 +0.8
U40A			S	Sb	11 53 32.2 +0.8
X40A	Basin Creek Fa	3.17 107	eP	Pb	11 52 55.7 +0.6
X40A	Basin Creek Fa	3.17 107	P	Pb	11 52 55.3 +0.1
WLAR	White Oak Lake	3.31 121	eP	Pb	11 52 57.2 +0.1
WHAR	Woolly Hollow	3.45 82	eP	Pb	11 52 55.9 +0.4
UALR	University of	3.48 100	eP	Pb	11 53 00.0 +0.5
W41B	Gary Mavity, V	3.50 93	P	Pb	11 52 59.7 +0.1
			S	Sb	11 53 41.5 +0.4
W41B			S	Sb	11 53 41.5 +0.4
WHTX	Lake Whitney,	3.54 193	eP	Pb	11 53 01.8 +1.4
WHTX	Lake Whitney,	3.54 193	Pb	Pb	11 53 05.8 -2.3
			Sb	Sb	11 53 52.1 +0.9
WHTX			Sb	Sb	11 53 52.1 +0.9
FCAR	Ozark Folk Cen	3.60 82	eP	Pb	11 53 01.3 +0.2
NATX	Nacogdoches	4.00 157	eP	Pb	11 53 08.7 +2.2
AMTX	Amarillo	4.28 264	eP	Pb	11 53 11.4 +0.9
CCM	Cathedral Cave	4.96 57	eP	Pb	11 53 25.6 +0.1
MSTX	Muleshoe	5.37 256	eP	Pb	11 53 25.6 +0.1

WEL 24 11:53:21.3,41:75E,0:9:174.2E,0.7,h15km,1km,MS.4/21,
 ML3.7/15,MLv3.4/21,Error ellipse: s-maj=0.0km

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
CMWZ	Cape Campbell	0.08 181	Op	Pg	11 53 24.8 +0.3
CMWZ			S	Sg	11 53 27.6 +1.1
BSWZ	Blackbirch Sta	0.26 259	P	Pb	11 53 27.4 -0.2
BSWZ			S	Sb	11 53 31.9 0.0
TSWZ	Tuamarina	0.31 319	P	Pb	11 53 28.4 -0.1
TSWZ			S	Sb	11 53 31.9 0.0
TCW	Tory Channel	0.46 6	P	Pb	11 53 30.7 -0.3
TCW			S	Sb	11 53 37.7 +0.2
BHW	Baring Head	0.56 63	P	Pb	11 53 33.0 +0.3
NIWZ	Nelson	0.77 305	P	Pb	11 53 36.5 +0.1
PLWZ	Palliser	0.78 83	P	Pb	11 53 37.7 -0.1
MSWZ	Mount Morrison	0.81 43	P	Pb	11 53 39.9 -0.3
CAW	Cannon Point	0.85 49	P	Pb	11 53 38.0 +0.2
DUWZ	D'Urville Isla	0.89 345	P	Pb	11 53 38.4 0.0
KHZ	Kahurangi	0.90 214	P	Pb	11 53 39.8 +0.4
PAWZ	Parawai Farm	0.95 73	P	Pb	11 53 40.1 0.0
THW	Topohouse	0.99 264	P	Pb	11 53 40.4 0.0
MTW	Mount Morrison	1.01 63	P	Pb	11 53 42.1 +0.1
TRWZ	Traveller	1.14 77	P	Pb	11 53 42.4 -0.2
HOWZ	Holdsworth Sta	1.24 52	P	Pb	11 53 44.5 +0.1
TMWZ	Te Maipa	1.38 67	P	Pb	11 53 45.7 -0.3
MRZ	Mangatainoka R	1.44 46	P	Pb	11 53 47.3 -0.5
GRZ	Green Range	1.52 303	P	Pb	11 53 47.6 +0.3
TIWZ	Tintotia	1.54 55	P	Pb	11 53 49.8 0.0
GVZ	Grete Valley S	1.57 214	P	Pb	11 53 48.7 +0.1
ORWZ	Ohaeka	1.68 30	P	Pb	11 53 52.5 +0.7
PHWZ	Port Road	1.73 51	P	Pb	11 53 51.4 +0.6
POWZ	Post Office Rn	1.73 43	Pb	Pb	11 53 52.3 -0.4
DSZ	Denniston Nort	1.81 267	P	Pb	11 53 54.0 -0.1
LTZ	Lake Taylor	1.82 232	P	Pb	11 53 52.6 +0.5
AMCZ	Amberley	1.90 217	P	Pb	11 53 52.8 -0.4
WAZ	Wanganui				

24d 12h

Table of station data for 24d 12h, including columns for station name, frequency, and various parameters.

2013 JUL

Table of station data for 2013 JUL, including columns for station name, frequency, and various parameters.

1310

Table of station data for 1310, including columns for station name, frequency, and various parameters.

MTW	Mount Morrison	1.09	59	P	Pg	12 39 32.6 +0.4
TRWZ	Traveller	1.12	73	P	Pb	12 39 32.8 +0.2
HOWZ	Holdsworth Sta	1.26	49	P	Pb	12 39 34.8 0.0
TMWZ	Tu Maipa	1.37	64	P	Pb	12 39 35.5 +0.6
MRZ	Mangatainoka R	1.46	43	P	Pn	12 39 37.6 +0.4
GVZ	Greta Valley S	1.49	29	P	Pb	12 39 39.5 +0.5
TIWZ	Tintock	1.55	53	P	Pb	12 39 38.8 +0.3
QRZ	Quartz Range	1.59	30.4	ePn	Pb	12 39 39.6 -0.8
QRZ	Quartz Range	1.59	30.4	P	Pb	12 39 39.6 -0.8
OHWZ	Ohakea	1.72	28	P	Pb	12 39 42.9 +0.3
PRWZ	Poriri Road	1.74	48	P	Pb	12 39 41.5 +0.3
POWZ	Post Office Ro	1.84	26.9	P	Pb	12 39 47.0 -0.6
LTZ	Lake Taylor	1.81	234	ePn	Pb	12 39 43.2 -1.1
LTZ	Lake Taylor	1.81	234	P	Pn	12 39 43.1 +0.9
BFZ	Birch Farm	1.83	56	ePn	Pb	12 39 42.1 -0.2
BFZ	Birch Farm	1.83	56	P	Pn	12 39 42.6 +0.2
DN	Denniston Nort	1.84	26.9	P	Pb	12 39 44.3 -0.4
AMCZ	Amberley	1.88	211	P	Pn	12 39 43.4 +0.4
DVHZ	Dannevirke	2.03	46	P	Pb	12 39 44.8 -0.3
WAZ	Wanganui	2.04	16	P	Pb	12 39 48.1 -0.1
TSZ	Takapari Road	2.11	38	P	Pb	12 39 46.3 +0.1
OKCZ	Okains Bay	2.18	204	P	Pn	12 39 47.1 -0.2
CR LZ	Canterbury Las	2.19	213	ePn	Pb	12 39 47.0 -0.6
CR LZ	Canterbury Las	2.21	213	P	Pn	12 39 48.0 +0.4
LREZ	Lake Rotokare	2.27	3	P	Pb	12 39 50.9 -1.0
OXZ	Oxford	2.29	225	ePn	Pb	12 39 48.5 -0.2
OXZ	Oxford	2.29	225	P	Pn	12 39 48.4 +0.3
MCQZ	McQueen's Vall	2.31	221	ePn	Pb	12 39 48.7 -0.1
MCQZ	McQueen's Vall	2.31	221	P	Pn	12 39 50.0 -0.9
PRHZ	Porangahau	2.31	52	P	Pn	12 39 48.1 -0.9
INZ	Inchbonnie	2.32	244	P	Pb	12 39 50.2 +1.1
NMEZ	Namu Road	2.33	353	P	Pb	12 39 53.5 +0.5
PNHZ	Pukenui	2.33	40	P	Pb	12 39 49.2 -0.1
OHWZ	Ohakea	2.34	26.9	P	Pb	12 39 53.9 +0.5
PREZ	Palmer Road	2.38	358	P	Pn	12 39 54.0 0.0
KHEZ	Kahui Hut	2.44	356	P	Pb	12 39 54.3 -0.6
NBEZ	Newall Road No	2.47	353	P	Pb	12 39 54.9 -0.6
MTVZ	Mangateitei	2.51	22	P	Pb	12 39 55.4 -0.8
DREZ	Durham Road	2.54	359	P	Pb	12 39 54.3 -2.3
PKZ	Pukeiti	2.57	19	P	Pb	12 39 55.2 -0.3
PKVZ	Pokaka	2.57	19	P	Pb	12 39 55.7 -1.5
MOVZ	Moawhango	2.58	27	P	Pb	12 39 54.7 +0.0
PUZ	Pawanui	2.60	50	P	Pb	12 39 52.9 -0.1
BHZ	Black Hill Sta	2.62	32	P	Pb	12 39 54.2 +0.8
VRZ	Veru Road	2.63	38	P	Pb	12 39 55.9 -2.2
KHZ	Kereu	2.63	38	P	Pb	12 39 56.3 -0.3
DRZ	Dome Shelter	2.64	23	P	Pb	12 39 59.1 +0.5
WHVZ	Whangahau Hut	2.64	23	P	Pb	12 39 56.1 -2.4
FWWZ	Far West T-bar	2.66	22	P	Pb	12 39 55.8 +1.9
TUVZ	Tukino	2.68	24	P	Pb	12 39 55.7 +1.6
NGZ	Ngaruhoe	2.75	227	P	Pb	12 39 57.2 +0.2
KAHZ	Kahuranaki	2.77	47	P	Pb	12 39 54.3 +0.5
WTVZ	West Tongariro	2.80	22	P	Pb	12 39 57.8 +2.0
TWVZ	Taurewa	2.80	19	P	Pb	12 39 59.3 -1.8
KWVZ	Kaweka Forest	2.83	32	P	Pb	12 40 02.3 +0.7
KRVZ	Karewarewa	2.83	22	P	Pb	12 40 00.5 -1.2
WVZ	Waipahu Valley	2.83	227	P	Pb	12 39 59.3 +0.5
MCHZ	McNeill Hill	2.94	40	P	Pb	12 39 57.6 0.0
KATZ	Kakaramea	2.96	22	P	Pb	12 40 04.4 +0.6
RITZ	Rihia Road	3.00	24	P	Pb	12 40 04.7 +0.1
BLKZ	Black Stump Fm	3.07	34	ePn	Pb	12 40 03.5 -2.2
BLKZ	Black Stump Fm	3.07	34	P	Pn	12 40 04.3 +0.4
RATZ	Rangitukia	3.08	23	P	Pb	12 40 05.0 -0.2
PRWZ	Poriri Road	3.09	229	ePn	Pb	12 39 59.8 +0.1
RPZ	Rata Peaks	3.09	229	P	Pn	12 39 59.6 0.0
WATZ	Wairara	3.22	21	P	Pb	12 40 08.6 +0.3
HIZ	Hauti	3.24	8	ePn	Pb	12 40 04.5 +2.7
HZ	Hauti	3.24	8	P	Pb	12 40 03.1 -0.5
MRHZ	Matea Rd	3.33	30	P	Pb	12 40 07.9 -2.1
TLZ	Tolley Road	3.53	17	P	Pb	12 40 08.3 +2.5
RAHZ	Arahi	3.54	38	P	Pb	12 40 07.9 +2.0
FOZ	Fox Glacier	3.74	240	ePn	Pb	12 40 09.1 +0.5
FOZ	Fox Glacier	3.74	240	P	Pb	12 40 12.4 +3.8
WVZ	Lake Benmore	4.02	227	ePn	Pb	12 40 12.6 +0.3
LBZ	Lake Benmore	4.00	227	P	Pb	12 40 12.8 +0.6
RIGZ	Rimuhau	4.04	43	P	Pb	12 40 12.6 -0.1
URZ	Urewera	4.10	33	ePn	Pb	12 40 14.7 +1.2
URZ	Urewera	4.10	33	P	Pb	12 40 14.7 +1.2
TOZ	Tahuroa Road	4.10	14	P	Pb	12 40 16.6 +3.0
MWZ	Matawai	4.21	38	P	Pb	12 40 15.6 +0.7
ODZ	Otauhua Downs	4.24	217	ePn	Pb	12 40 15.1 -0.4
ODZ	Otauhua Downs	4.24	217	P	Pb	12 40 15.1 -0.4
TGWZ	Tauwhareparea	4.55	40	P	Pb	12 40 25.8 -5.2
RUWZ	Raukumara Rang	4.58	36	P	Pb	12 40 24.2 +3.8
JCZ	Jackson Bay	4.63	238	P	Pb	12 40 23.4 -0.1
AWAZ	Arwhitu Peninsula	4.67	3	P	Pb	12 40 24.5 +3.2
MKAZ	Moumakai	4.67	9	P	Pb	12 40 23.7 +2.3
WTAZ	Waatarua	4.79	3	P	Pb	12 40 21.0 -4.1
ETAZ	East Tamaki Re	4.79	6	P	Pb	12 40 26.6 +3.5
HAZ	Te Kaha	4.80	36	P	Pb	12 40 26.1 +2.8
WKZ	Wanaka	4.82	229	ePn	Pb	12 40 25.9 +0.1
WKZ	Wanaka	4.82	229	P	Pb	12 40 31.0 +6.1
RVAZ	Riverhead Bore	4.96	23	P	Pb	12 40 29.0 +3.7
WIAZ	Waikaeke Island	4.97	8	P	Pb	12 40 30.6 +5.0
MXZ	Matakaoa Point	5.20	38	ePn	Pb	12 40 27.5 -1.2
TUZ	Tuapeka	5.20	38	P	Pb	12 40 32.7 +1.4
MLZ	Mavora Lakes	5.78	229	ePn	Pb	12 40 37.4 +1.0
SYZ	Scrubby Hill	6.06	21	P	Pb	12 40 41.9 +1.5
WHZ	Wether Hill Ro	6.18	226	ePn	Pb	12 40 41.6 -0.5
DCZ	Deep Cove	6.37	232	ePn	Pb	12 40 44.2 -0.5
OZ	Omahuta	6.52	355	ePn	Pb	12 40 45.9 -0.8
OMZ	Omahuta	6.52	355	P	Pb	12 40 52.5 -1.7
CTZ	Chatham Island	7.01	110	P	Pb	12 40 56.1 +2.6
AS31	Alice Springs	38.03	285	eP	P	12 46 28.2 -1.1
ASAR	Alice Springs	38.03	285	P	P	12 46 31.4 +2.0
ARCES	ARCES Array B	147.76	340	PKPbc	PKPbc	12 59 00.4 +3.4
TORD	Torodi Ar. Bea	150.80	195	PKPbc	PKPbc	12 59 02.1 -1.6
TOA1	Torodi Ar. Sit	150.81	195	ePKPbc	PKPbc	12 59 02.1 -1.6

ETHL	ETHL	iS	Sg	12 44 56.2 +0.8		
NACB	binganchiao	0.16	139	eP	Pg	12 44 56.2 +1.3
NACB	baz=138	eS	Sg	12 44 58.4 +1.3		
NNSB	Datong	0.16	326	eP	Pg	12 44 56.4 +1.4
NNSB	baz=326	iS	Sg	12 44 58.9 +1.5		
NNS	Nan Shan	0.18	326	eP	Pg	12 44 56.1 +0.9
NNS	baz=327	iS	Sg	12 44 59.2 +1.4		
WHF	Hehuan Shan	0.25	233	P	Pg	12 44 57.8 +1.2
WHF	baz=232	S	Sg	12 45 01.2 +1.2		
NANB	Nanao	0.28	61	eP	Pg	12 44 58.1 -0.7
NDT	Datong Townshi	0.31	5	eS	Sb	12 44 03.7 -0.8
ENTT	Nioudou	0.35	13	eP	Pb	12 45 00.2 +0.1
ENTT	baz=13	eS	Sb	12 45 04.6 -1.3		
CHGT	Renai	0.62	210	eP	Pb	12 45 00.2 -0.2
WVDT	WVDOT	0.36	210	eP	Pb	12 45 04.7 +0.1
WVDT	baz=210	eS	Sb	12 45 14.4 +0.9		
WEL	WEL 24 12:52:55.2, 41.65±0.8:174.3E, 0.6, h16km, 1km, M3.6/25, ML3.9/17, MLV3.6/25, Error ellipse: s-maj=0.0km az=174.7, Cook Strait s-min=0.0km az=174.7, Cook Strait					
CMWZ	Cape Campbell	0.11	194	Op	ISC	h m s ISC
CMWZ	Pu	Pb	Pb	12 53 02.0 +0.4		
BSWZ	Blackbirch Sta	0.29	255	P	Pb	12 53 01.9 -0.2
BSWZ	BSWZ	S	Sb	12 53 06.7 0.0		
TUWZ	Tuamaria	0.31	312	P	Pb	12 53 03.3 -0.1
TUWZ	Tuamaria	P	Pb	12 53 07.0 0.0		
TCWZ	Tony Channel	0.43	3	P	Pb	12 53 02.2 -0.1
BHW	Baring Head	0.52	64	P	Pb	12 53 06.2 +0.3
PLWZ	Palliser	0.76	85	P	Pb	12 53 10.9 -0.3
NNSZ	Nelson	0.78	302	P	Pb	12 53 10.4 +0.1
MSWZ	Moikau Station	0.78	70	P	Pb	12 53 11.1 -0.4
CAWZ	Canon Point	0.81	49	P	Pb	12 53 16.2 +0.3
DUWZ	D'Urville Isla	0.87	343	P	Pb	12 53 12.0 0.0
PAWZ	Paruwai Farm	0.92	74	P	Pb	12 53 13.6 +0.1
KHZ	Kahutara	0.94	214	P	Pb	12 53 14.1 +0.4
THZ	Topohouse	1.02	263	P	Pg	12 53 14.7 -0.1
MTW	Mount Morrison	1.06	63	P	Pb	12 53 15.5 0.0
TRWZ	Traveller	1.10	78	P	Pb	12 53 16.0 0.0
HOWZ	Holdsworth Sta	1.21	53	P	Pb	12 53 17.9 +0.3
TMWZ	Tu Maipa	1.34	67	P	Pb	12 53 19.4 0.0
MRZ	Mangatainoka R	1.40	46	P	Pb	12 53 20.7 -0.3
QRZ	Quartz Range	1.50	56	P	Pb	12 53 21.9 +0.3
TRWZ	Traveller	1.53	91	P	Pb	12 53 23.5 +0.3
OHWZ	Ohakea	1.64	30	P	Pg	12 53 26.2 -0.5
PRWZ	Poriri Road	1.69	51	P	Pb	12 53 24.5 +0.4
POWZ	Post Office Ro	1.69	43	P	Pb	12 53 24.9 +0.8
BFZ	Birch Farm	1.78	58	P	Pb	12 53 25.0 -0.3
DN	Denniston Nort	1.84	26.9	P	Pb	12 53 26.5 -0.4
LTZ	Lake Taylor	1.86	232	P	Pb	12 53 27.0 -0.5
AMCZ	Amberley	1.94	217	P	Pb	12 53 27.2 -0.3
WAZ	Wanganui	1.96	17	P	Pb	12 53 31.8 -1.0
DVHZ	Dannevirke	1.97	48	P	Pg	12 53 32.7 -0.4
TSZ	Takapari Road	2.04	40	P	Pb	12 53 29.8 +0.8
NMEZ	Namu Road	2.10	78	P	Pb	12 53 36.5 -0.4
PNHZ	Pukenui	2.24	353	P	Pg	12 53 38.0 -0.2
OKCZ	Okains Bay	2.26	202	P	Pb	12 53 30.9 -1.0
PRHZ	Porangahau	2.27	54	P	Pb	12 53 33.0 +1.1
PNHZ	Pukenui	2.27	41	P	Pb	12 53 33.0 +0.9
CR LZ	Canterbury Las	2.28	211	P	Pb	12 53 31.1 -1.0
PHWZ	Waipukurau	2.29	47	P	Pb	12 53 36.2 +1.2
PREZ	Palmer Road	2.29	358	P	Pb	12 53 36.9 +0.7
KHEZ	Kahui Hut	2.35	356	P	Pb	12 53 37.2 0.0
OXZ	Oxford	2.35	223	P	Pb	12 53 32.4 -0.8
INZ	Inchbonnie	2.35	242	P	Pb	12 53 34.0 +0.9
MCQZ	McQueen's Vall	2.38	219	P	Pb	12 53 31.6 -1.6
NBEZ	Newall Road No	2.39	353	P	Pb	12 53 38.4 +0.6
MTVZ	Mangateitei	2.44	23	P	Pb	12 53 40.0 +1.4
DREZ	Durham Road	2.45	359	P	Pb	12 53 38.6 -0.2
PKZ	Pukeiti	2.45	355	P	Pb	12 53 38.0 -0.9
PKVZ	Pokaka	2.49	20	P	Pb	12 53 39.9 +0.3
MOVZ	Moawhango	2.51	28	P	Pb	12 53 40.0 +0.2
VRZ	Veru Road	2.54	9	P	Pb	12 53 39.5 -0.9
PUZ	Pawanui	2.55	52	P	Pb	12 53 40.9 +0.4
BHZ	Black Hill Sta	2.55	33	P	Pb	12 53 38.1 +2.1
KWVZ	Kaweka Forest	2.56	40	P	Pb	12 53 36.8 +0.7
CRZ	Canterbury Las	2.56	24	P	Pb	12 53 41.5 +1.6
WHVZ	Whangahau Hut	2.58	24	P	Pb	12 53 40.5 -0.8
FWWZ	Far West T-bar	2.58	23	P	Pb	12 53 40.3 -0.9

24d 13h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GZR Gura Zlata, BARS Barje, KBZ Khabaz, BOVS Bovan, etc.

WEL 24 13:24:50.0, 42°S, 174°E, h13km, M3.6/27, M3.9/19, MLV3.6/27, Error ellipse: s-maj=0.0km s-min=0.0km az=148.2, Cook Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

ISCJB 24 13:25:23.8, 1.5, 32°08'S, 0°03'17.9W, 0.1, h15km, 15km, Error ellipse: s-maj=18.8km s-min=5.8km az=179.5 SJA 24 13:25:26.8, 0.6, 32°28'S, 1°6'W, h66km, 12km, ML3.6, MW3.8 GUC 24 13:25:26.7, 0.5, 32°01'S, 71°35'W, h23km, 8km, ML3.1 ISC 24 13:25:21.1, 1.9, 31°94'S, 0°03'17.3W, 0.08, h0km, 13km, n15, 1966, 2C-2D, Near coast of central Chile

2013 JUL

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CO02 Combarbal, PE02 Peidehue, CLCH Cerro Calan, etc.

1312

Table with columns: Code, Station Name, Time, Res. Includes stations like ITAB Concordia, CP5B Concacapa Do Su, FR7B Faturá, etc.

24d 13h

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, MCK, Inuvik, pmax, pmax, INK, Inuvik, 27.63, 35, eP, P, 14 05 05.1 -0.3, 14 08 21.8

2013 JUL

Table with columns: MCK, Inuvik, pmax, pmax, INK, Inuvik, 27.63, 35, eP, P, 14 05 05.1 -0.3, 14 08 21.8

1314

Table with columns: INK, Inuvik, 27.63, 35, eP, P, 14 05 05.1 -0.3, 14 08 21.8

24d 13h

Table with columns: Station ID, Name, Frequency, Power, Polarity, Azimuth, Elevation, SNR, and other technical details. Includes stations like Black Hills, Paradox Valley, and various local stations.

2013 JUL

Table with columns: Station ID, Name, Frequency, Power, Polarity, Azimuth, Elevation, SNR, and other technical details. Includes stations like XAN, BNM, BGNE, and various international stations.

1316

Table with columns: Station ID, Name, Frequency, Power, Polarity, Azimuth, Elevation, SNR, and other technical details. Includes stations like LVZ, N41A, G46A, and various international stations.

24d 13h

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like P56A, KDJ, V52A, etc.

2013 JUL

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like W54A, LSA, U56A, etc.

1318

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like KSH, W57A, V58A, etc.

24d 14h

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like RAYN Ar Rayn, TOA1 Torodi Ar. Sit, TORO Torodi Ar. Bea, etc.

IDC 24 14:02:46.3.0.6, 151.065x173.53W, h0km, mb4.4/13, mb1.4/6.13, mb1mx4.3/34, mbtmp4.4/13, MS3.7/8, Ms1.3/7.8, ms1mx3.5/24, Error ellipse: s-maj=31.4km s-min=15.6km az=117.0

ISCJB 24 14:02:47.0.0.2, 14.98Sx0.04:173.53Wx0.08, h10km, mb4.5/38, MS3.7/11, Error ellipse: s-maj=11.4km s-min=4.6km az=25.4

NEIC 24 14:02:48.1.0.2, 15.14Sx173.32W, h10km, mb4.6/35, Error ellipse: s-maj=8.1km s-min=6.2km az=129.0

ISC 24 14:02:47.0.5.15, 105.008x173.31W, h0.09, h10km, n110, s110/88, mb4.6/38, MS3.7/11, Tonga Islands

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like NIUE Niue, FUNA Funafuti, KNTN Kanton, etc.

2013 JUL

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

MAN 24 14:10:30.9, 745N, 124.51E, h25km, mb4.6, ML3.4, MS3.3, 2C-1D, Mindanao

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like CTBH Cotabato-PC H, CTBH Cotabato-PC H, BUKP Musuan, etc.

MOS 24 14:13:11.1.2.0, 50.16N, 88.69E, h10km, mb4.0/3, Error ellipse: s-maj=15.0km s-min=11.6km az=137.0

IDC 24 14:13:11.3.1.1, 50.16N, 88.79E, h0km, mb3.5/2, mb1.3/7.7, mb1mx3.5/55, mbtmp3.6/7, ML3.4/5, MS3.4/3, Ms1.3/4.3, ms1mx2.8/45, Error ellipse: s-maj=13.7km s-min=12.2km az=102.0

ISCJB 24 14:13:13.4.0.6, 50.12N, 0.03:88.60E, h15km, mb4.4, mb4.14, MS4.4/1, Error ellipse: s-maj=6.4km s-min=3.6km az=149.4

NMC 24 14:13:16.2.5.50, 18N, 88.11E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=24.7km s-min=10.9km az=104.0

ISC 24 14:13:13.5.1.0, 50.15N, 0.04:88.56E, h0.04, h16km, g6km, n53, s235/73, mb3.8/4, 12C-11D, Southwestern Siberia

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like CUR Chagan-Uzun, CUR Chagan-Uzun, AKAR Aktash, etc.

1320

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like ELT Eitsova, ARDR Aradan, ABNR Abakan, etc.

WEL 24 14:15:15.0, 42S, 174.2E, h14km, mb4.0/22, ML4.3/16, MLv4.0/22, Error ellipse: s-maj=0.0km az=1.2, Cook Strait

Table with columns: Code, Station Name, Az, El, Phase, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, CMWZ Cape Campbell, BSWZ Blackbirch Sta, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MRZ, TIWZ, QRTZ, etc.

IDC 24 14:19:34.3-1.0, 23.88N, 125.90E, h0km, mb3.8/5, mb1 4.0/7, mb1mx3.6/43, mbmtpp3.8/7, ML2.9/3, Error ellipse: s-maj=35.9km s-min=20.4km az=83.0

ISCJB 24 14:19:35.8-1.1, 23.83N, 125.90E, h10km, h28km, mb3.7/7, Error ellipse: s-maj=6.8km s-min=4.3km az=159.0

NEIC 24 14:19:35.7-0.5, 23.85N, 125.81E, h10km, mb4.2/1, Error ellipse: s-maj=9.6km s-min=6.3km az=154.0

JMA 24 14:19:36.4-0.1, 23.83N, 125.89E, h65km, M3.4, ISC 24 14:19:36.0-0.4, 23.83N, 125.90E, h16km, M2.1km, n4.0, c1807/55, mb3.8/7, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JOGS, JIMJ, JIRB, etc.

SOME 24 14:35:57.2, 40.77N, 77.65E, h5km, NNC 24 14:35:58.1-0.9, 40.83N, 77.68E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=6.0km s-min=4.1km az=169.0

KRNET 24 14:35:59.4-0.1, 40.86N, 77.52E, h13km, mb2.9, ISC 24 14:35:55.2-1.9, 40.75N, 77.67E, h0km, n56, c1923/82, 19C-16B, Kyrgyzstan-Xinjiang border region

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

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

IDC 24 14:42:53.4-1.2, 23.19N, 142.53E, h90km, mb3.6/9, mb1 3.9/11, mb1mx3.6/43, mbmtpp4.1/11, Error ellipse: s-maj=41.4km s-min=14.7km az=94.0

JMA 24 14:42:57.0-1.0, 23.41N, 142.41E, h165km, mb3.0, M5.0, ISC 24 14:42:54.7-0.8, 23.41N, 142.38E, h10km, n28, c231/25, mb3.7/10, Volcano Islands region

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like MNBS, USP, ARXS, etc.

ISCJB 24 14:40:00.7-1.0, 33.79N, 104.05E, h8km, 13km, Error ellipse: s-maj=11.1km s-min=5.4km az=150.1, NSSC 24 14:40:00.5-0.3, 33.78N, 103.74E, h6km, 6km, ML1.3, GRAL 24 14:40:01.4-0.3, 33.79N, 103.78E, h1km, 18km, MD2.6, ISC 24 14:40:00.5-3.2, 33.79N, 104.04E, 35.7E, 0.1, h13km, 27km, n7, c035/12, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BHL, DQRL, RCY, etc.

IDC 24 14:42:53.4-1.2, 23.19N, 142.53E, h90km, mb3.6/9, mb1 3.9/11, mb1mx3.6/43, mbmtpp4.1/11, Error ellipse: s-maj=41.4km s-min=14.7km az=94.0

JMA 24 14:42:57.0-1.0, 23.41N, 142.41E, h165km, mb3.0, M5.0, ISC 24 14:42:54.7-0.8, 23.41N, 142.38E, h10km, n28, c231/25, mb3.7/10, Volcano Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like JHH, CBJ, JHJ, etc.

24d 14h

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	WGK
				Op	ISC	h m s	ISC	
HWA	Hwalien	0.10	19	↑P	Pg	14 47 09.2	+0.2	WCHH Zhanghua
HWA	baz=39			eS	Sg	14 47 11.5	+0.4	NMLH H Miaoji
ESL	Shilin	0.14	240	↑P	Pg	14 47 08.8	-0.8	NMLH baz=313
ESL	baz=220			iS	Sg	14 47 10.8	-1.3	WDLH Douliu
TWD	Chiawan	0.20	7	↑P	Pg	14 47 10.1	-0.3	WDLH baz=257
TWD	baz=14			iS	Sg	14 47 12.7	-0.7	NTC Toucheng
EGFH	Guangfu	0.25	211	↑P	Pg	14 47 11.0	-0.3	NTC baz=13
EGFH	baz=208			eS	Sg	14 47 14.5	-0.5	WLBT Daxi
NACB	Ninganchiao	0.29	4	ePg	Pg	14 47 11.0	-1.0	WLBT baz=356
NACB	Ninganchiao	0.29	4	↑P	Pg	14 47 11.4	-0.6	STYT Tauyuan
NACB	baz=10.0			S	Sg	14 47 15.0	-1.1	STYT baz=225
ETLH	Kiulin Townshi	0.33	346	↑P	Pg	14 47 12.1	-0.7	TPUB Ta-pu
ETLH	baz=352			S	Sg	14 47 16.4	-1.0	TPUB baz=236
WHF	Helwan Shan	0.38	313	↑P	Pg	14 47 12.9	-0.9	TPUB baz=236
WHF	baz=304			iS	Sg	14 47 17.3	-1.8	CHN4 Tsauhsan
CHGB	Renai	0.40	296	↑P	Pg	14 47 13.5	-0.7	CHN4 baz=231
CHGB	baz=296			S	Sg	14 47 18.3	-1.3	SBCB Hsinchu
HGSD	Ruisui	0.41	199	↑P	Pg	14 47 14.6	+0.3	SBCB baz=340
HGSD	baz=205			eS	Sb	14 47 21.9	+0.5	HSN Hsinchu
VWDT	VWDT	0.41	252	↑P	Pg	14 47 14.0	-0.3	HSN baz=342
VWDT	baz=248			S	Sg	14 47 18.7	-1.1	NHHD Xindian Distri
EHY	Hungye	0.44	211	↑P	Pg	14 47 14.1	-0.6	NHHD baz=358
EHY	baz=213			eS	Sg	14 47 19.9	-0.8	WTP Ta-pu
YULB	Yu-li	0.55	207	ePg	Pg	14 47 15.8	-1.1	WTP baz=234
YULB	Yu-li	0.55	207	↑P	Pg	14 47 15.9	-1.0	TATO Taipei
YULB	baz=205			S	Sg	14 47 23.9	-0.3	TATO Taipei
ENA	Nanau	0.56	16	↑P	Pg	14 47 16.5	-0.5	TATO baz=358
ENA	baz=17			eS	Sg	14 47 23.9	-0.6	TWA Muzha
NANB	Nanau	0.56	17	↑P	Pg	14 47 16.5	-0.5	TWA baz=353
NANB	baz=17			S	Sg	14 47 23.8	-0.8	TIPB Shuangxi
NANB	baz=17			S	Sg	14 47 23.8	-0.8	TIPB baz=11
NNSB	Datong	0.57	342	↑P	Pg	14 47 16.7	-0.5	CHY Chiayi
NNSB	baz=346			S	Sg	14 47 23.3	-1.4	CHY baz=249
SSLB	Suangleung	0.57	260	ePg	Pg	14 47 15.9	-1.4	NCUH Zhongli
SSLB	Suangleung	0.57	260	↑P	Pg	14 47 16.6	-0.7	NCUH baz=342
SSLB	baz=258			S	Sg	14 47 23.0	-1.9	NCUH baz=342
NNS	Nan Shan	0.58	342	↑P	Pg	14 47 16.9	-0.5	NCU National Centr
NNS	baz=346			S	Sg	14 47 23.5	-1.7	NCU baz=354
TWF1	Yuli	0.59	205	eP	Pg	14 47 16.7	-0.8	TWG Pinlang
TWF1	baz=209			eS	Sg	14 47 25.3	0.0	TWG Pinlang
DPDB	Guoxing	0.61	284	↑P	Pg	14 47 17.4	-0.5	TWG baz=204
DPDB	baz=284			S	Sg	14 47 24.5	-1.5	TWGBT Beinan
SMLT	Sun Moon Lake	0.61	270	↑P	Pg	14 47 17.5	-0.6	WTCT Taichung
SMLT	baz=288			iS	Sg	14 47 25.2	-1.0	WTCT baz=269
WHYT	Kinyi Township	0.68	254	↑P	Pg	14 47 18.7	-0.6	SNST Tainan City
WHYT	baz=259			eS	Sg	14 47 27.2	-1.1	SNST baz=236
YUS	Yu-Shan	0.69	235	↑P	Pg	14 47 19.1	-0.4	TTN Taitung
YUS	baz=233			Pg	14 47 19.6	-0.4	TTN baz=290	
NDT	Datong Townshi	0.71	356	↑P	Pg	14 47 19.6	-0.4	NWF Wu-fen Shan
NDT	baz=358			S	Sg	14 47 28.1	-1.3	NWF baz=8.0
ENTT	Nioudou	0.75	360	↑P	Pg	14 47 20.2	-0.4	WFBS Wu-fen Shan
ENTT	baz=2.0			eS	Sg	14 47 29.6	-0.9	TWS1 Kuangyinshan
TWC	Suao	0.76	19	↑P	Pg	14 47 20.4	-0.4	TWS1 baz=2.0
TWC	baz=13			S	Sg	14 47 30.5	-0.3	SLGT Liujou
WJS	Zhushan	0.77	265	eP	Pg	14 47 20.9	-0.1	SLGT baz=224
WJS	baz=271			S	Sg	14 47 31.8	+0.5	WLBG Puzi
YHNB	Yeheng	0.80	347	ePg	Pg	14 47 20.8	-0.8	WLBG baz=264
YHNB	Yeheng	0.80	347	↑P	Pg	14 47 21.1	-0.5	WMLT Malliao
YHNB	baz=350			S	Sg	14 47 30.5	-1.6	YMO1 YMO1
CHKT	Chengkung	0.81	194	eP	Pg	14 47 21.3	-0.4	YMO1 baz=360
CHKT	baz=194			eS	Sb	14 47 34.2	+1.6	YSF Szu
NSK	Sanguang	0.81	346	↑P	Pg	14 47 21.2	-0.5	YSF baz=258
NSK	baz=339			S	Sg	14 47 31.0	-1.4	YMO10 YMO10
WNT	Mingjian	0.81	270	↑P	Pg	14 47 22.0	+0.3	YMO10 baz=360
WNT	baz=269			S	Sg	14 47 32.9	+0.5	NTST Danshui
EOS1	EOS1	0.83	38	P	Pg	14 47 23.1	+1.0	ANP Anpu
TWE	Neicheng	0.84	6	↑P	Pg	14 47 21.8	-0.4	ANP baz=359
TWE	baz=16			S	Sg	14 47 32.8	-0.4	YMO8 YMO8
TCU	Taichung	0.86	288	↑P	Pg	14 47 23.1	+0.4	YMO8 baz=2.0
TCU	baz=282			eS	Sb	14 47 35.6	+1.4	CHN8 Yiju
ELDTV	Lidau	0.86	216	eP	Pg	14 47 20.8	-1.9	CHN8 baz=234
ELDTV	baz=207			eS	Sg	14 47 32.8	-1.1	JYNG Yonagunijimaku
TWQ1	Liyutan	0.86	302	↑P	Pg	14 47 22.6	-0.1	JYNG YWY
TWQ1	baz=303			S	Sg	14 47 34.0	0.0	ECL Taimali
SLBB	Yuanshan	0.87	4	↑P	Pg	14 47 22.4	-0.4	SSD Sandimen
SLBB	baz=5.0			eS	Sg	14 47 33.9	-0.3	YOJ Yonaguni jima
CHNS	Tsauling	0.87	251	↑P	Pg	14 47 22.9	+0.1	YOJ baz=62
CHNS	baz=237			S	Sg	14 47 34.5	+0.3	YOJ Yonaguni jima
ILA	Ilan	0.89	10	P	Pg	14 47 22.9	-0.4	YOJ Yonaguni jima
ILA	baz=11			S	Sg	14 47 35.2	+0.3	SCLT Jiali
NSTT	Nanjuang	0.91	325	↑P	Pg	14 47 23.1	-0.4	SCLT baz=241
NSTT	baz=327			S	Sg	14 47 34.6	-0.8	TAI Yung-k'ang
NSY	Sanyi	0.91	306	P	Pg	14 47 23.8	+0.2	SGLT Jiouru
NSY	baz=307			S	Sg	14 47 35.2	-0.3	SGLT baz=211
LIOB	Emei	0.91	326	↑P	Pg	14 47 23.5	-0.1	MASBT Mashbuluo
LIOB	baz=328			S	Sg	14 47 34.6	-0.9	MASBT baz=216
WGK	Gukeng	0.94	258	↑P	Pg	14 47 24.6	+0.3	MASBT baz=216
WGK	baz=257			S	Sg	14 47 35.2	-0.3	SNJT Kaoshiung City

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Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	WGK
				Op	ISC	h m s	ISC	
WCHH	Zhanghua	0.95	282	↑P	Pg	14 47 24.6	+0.3	WCHH baz=257
NMLH	H Miaoji	0.96	312	↑P	Pg	14 47 25.1	+0.5	NMLH baz=282
NMLH	baz=313			S	Sg	14 47 37.3	+0.1	WDLH Douliu
WDLH	Douliu	0.97	258	↑P	Pg	14 47 24.9	+0.3	WDLH baz=257
WDLH	baz=257			eS	Sb	14 47 38.7	+1.4	NTC Toucheng
NTC	Toucheng	0.99	14	↑P	Pg	14 47 24.5	-0.7	NTC baz=13
NTC	baz=13			eS	Sg	14 47 38.1	-0.1	WLBT Daxi
WLBT	Daxi	1.00	343	↑P	Pg	14 47 25.5	+0.1	WLBT baz=356
WLBT	baz=356			iS	Sg	14 47 37.4	-1.1	STYT Tauyuan
STYT	Tauyuan	1.04	226	eP	Pg	14 47 25.4	-0.7	STYT baz=225
STYT	baz=225			S	Sg	14 47 39.3	-0.3	TPUB Ta-pu
TPUB	Ta-pu	1.04	236	ePn	Pg	14 47 25.8	-0.4	TPUB Ta-pu
TPUB	baz=236			↑P	Pg	14 47 25.9	-0.2	TPUB baz=236
TPUB	baz=236			eS	Sg	14 47 38.5	-1.2	CHN4 Tsauhsan
CHN4	Tsauhsan	1.04	239	↑P	Pg	14 47 26.1	0.0	CHN4 baz=231
CHN4	baz=231			eS	Sg	14 47 40.4	+0.7	SBCB Hsinchu
SBCB	Hsinchu	1.05	330	↑P	Pg	14 47 26.7	+0.4	SBCB baz=340
SBCB	baz=340			eS	Sg	14 47 40.1	+0.1	HSN Hsinchu
HSN	Hsinchu	1.06	329	↑P	Pg	14 47 27.2	+0.6	HSN baz=342
HSN	baz=342			S	Sg	14 47 41.1	+0.6	NHHD Xindian Distri
NHHD	Xindian Distri	1.07	358	↑P	Pg	14 47 26.0	-0.7	NHHD baz=358
NHHD	baz=358			S	Sg	14 47 40.5	-0.3	WTP Ta-pu
WTP	Ta-pu	1.08	234	↑P	Pg	14 47 26.6	-0.4	WTP baz=234
WTP	baz=234			ePn	Pb	14 47 26.5	-0.2	TATO Taipei
TATO	Taipei	1.09	356	ePn	Pb	14 47 26.3	-0.3	TATO Taipei
TATO	baz=358			S	Sg	14 47 39.3	-1.9	TWA Muzha
TWA	Muzha	1.09	1	↑P	Pb	14 47 26.5	-0.3	TWA baz=353
TWA	baz=353			eS	Sg	14 47 40.2	-1.1	TIPB Shuangxi
TIPB	Shuangxi	1.11	12	↑P	Pb	14 47 26.4	-0.6	TIPB baz=11
TIPB	baz=11			eS	Sg	14 47 39.4	-2.4	CHY Chiayi
CHY	Chiayi	1.12	250	eP	Pb	14 47 27.3	+0.1	CHY baz=249
CHY	baz=249			eS	Sg	14 47 43.3	+1.1	NCUH Zhongli
NCUH	Zhongli	1.13	342	eP	Pb	14 47 27.6	+0.1	NCUH baz=342
NCUH	baz=342			eS	Sb	14 47 42.3	+0.1	NCU National Centr
NCU	National Centr	1.14	342	P	Pb	14 47 27.9	+0.4	NCU baz=354
NCU	baz=354			eS	Sb	14 47 42.9	+0.7	TWG Pinlang
TWG	Pinlang	1.16	203	ePn	Pb	14 47 25.7	-2.1	TWG Pinlang
TWG	Pinlang	1.16	203	eP	Pb	14 47 25.7	-2.1	TWG baz=204
TWG	baz=204			eS	Sb	14 47 44.1	+1.3	TWGBT Beinan
TWGBT	Beinan	1.16	203	eP	Pb	14 47 25.3	-2.5	WTCT Taichung
WTCT	Taichung	1.18	269	eP	Pb	14 47 27.7	-0.5	WTCT baz=269
WTCT	baz=269			eS	Pb	14 47 44.0	+0.6	SNST Tainan City
SNST	Tainan City	1.19	236	eP	Pb	14 47 28.7	+0.3	SNST baz=236
SNST	baz=236			eS	Sb	14 47 44.8	+1.1	TTN Taitung
TTN	Taitung	1.19	199	e				

24d 16h

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SWSC, Sam W. Stewart, etc. Includes stations like Isabella, Lake, Laurel Mtn Rad, Arvin, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SWSC, Sam W. Stewart, etc. Includes stations like In-Ko-Pah, Blythe, Yerington, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SWSC, Minooodasht, etc. Includes stations like Charan, Maraveh tapeh, Anarak, etc.

NNC 24 16:51:52.3-4.0,36:41N:52:92E, h0km, mb4.1, Error
TEH 24 16:51:53.8,35:95N:53:54E, h17km, ML4.2
ISCUB 24 16:51:54.0,36:11N:02:53:48E,0.02, h10km,
mb4.0/25, MS3.0/3, Error ellipse: s-maj=2.3km
s-min=2.1km az=23.6
IDC 24 16:51:54.1,1.0,35:87N:53:59E, h0km, mb3.8/13,
mb1.4/0.21, mb1mx3.8/52, mbtmp3.9/21, ML3.5/6, MS3.1/8,
Ms1 3.1/8, Ms1mx2.8/39, Error ellipse: s-maj=19.2km
s-min=10.9km az=175.0
THR 24 16:51:55.2,36:07N:53:47E, h18km, ML4.3
MOS 24 16:51:57.1,1.5,36:25N:53:56E, h25km, mb4.3/14, Error
ellipse: s-maj=6.9km s-min=5.3km az=111.6
NEIC 24 16:51:57.2,0.36:03N:53:60E, h20km, 16km, mb4.1/14,
ML4.0/3(R), ML4.2(Te1), Error ellipse: s-maj=9.7km
s-min=4.4km az=183.0
AZER 24 16:52:01.0,1.8,36:14N:53:00E, h10km, ml4.2/5, Error
ellipse: s-maj=30.8km s-min=13.9km az=54.0
ISC 24 16:51:55.1,0.4,36:05N:0:03:53:52E,0.03, h10km, n214,
az=208/246, mb4.0/25, MS3.0/3, 5C-6D, Northern and
central Iran

IMRD	Marand	6.77 295	ePn	Pn	16 53 37.8	+3.2
QSAR	Qusar	6.83 325	Pn	Pn	16 53 36.7	+1.4
QSAR	Qusar	6.83 325	Sn	Pn	16 54 51.6	-1.5
QSAR	Qusar	6.83 325	eS	Pn	16 53 36.7	+1.4
AKT	Akhty	7.06 322	S	Pn	16 54 51.6	-1.5
AKT			eS	Pn	16 53 40.1	+1.5
AKT			pmx	smx	16 54 57.5	-1.5
AKT			comp=Z,16nm,0.4s			
AKT			comp=E,69nm,0.4s			
AKT			comp=N,75nm,0.5s			
AKT				smx		
SEKA	Sheki	7.14 318	P	Pn	16 53 41.0	+1.4
SEKA	Sheki	7.14 318	Pn	Pn	16 53 41.1	+1.4
SEKA	Sheki		Sn	Pn	16 54 58.2	-2.7
SEKA	Sheki		Sn	Pn	16 54 58.2	-2.7
SEKA	Sheki		P	Pn	16 53 41.1	+1.4
SEKA	Sheki		S	Pn	16 54 58.2	-2.7
SEKA	Sheki		S	Pn	16 54 58.2	-2.7
GANJ	Ganja	7.28 311	P	Pn	16 53 42.0	+0.4
GANJ	Ganja	7.28 311	Pn	Pn	16 53 42.0	+0.4
GANJ	Ganja		Sn	Pn	16 55 01.1	-3.2
GANJ	Ganja		Pn	Pn	16 53 42.0	+0.4
GANJ	Ganja		S	Pn	16 55 01.1	-3.2
GDB	GEDABAY	7.68 310	Pn	Pn	16 53 48.0	+0.9
GDB	GEDABAY	7.68 310	Sn	Pn	16 53 48.0	+0.9
GDB	GEDABAY	7.68 310	S	Pn	16 55 09.7	-4.4
GDB	GEDABAY	7.68 310	S	Pn	16 53 48.0	+0.9
ZKTA	Zakatala	7.75 318	P	Pn	16 53 49.8	+1.8
ZKTA	Zakatala	7.75 318	Pn	Pn	16 53 49.8	+1.8
ZKTA	Zakatala		Sn	Pn	16 55 13.6	-2.2
ZKTA	Zakatala		P	Pn	16 53 49.8	+1.8
ZKTA	Zakatala		S	Pn	16 55 13.6	-2.2
DDFL	Defodilitskaro	7.90 315	S	Pn	16 53 48.8	-1.4
GNI	Garni	8.04 303	Pn	Pn	16 53 57.1	+5.0
GNI	Garni		Sn	Pn	16 55 29.5	+6.4
GNI	Garni		LR	LR	16 58 05.1	
GNI	Garni		comp=N,62nm,20.0s,baz=108,slow=45			
GNI	Garni		8.04 303	ePn	16 53 55.4	+3.3
GNI	Garni		Sn	Pn	16 55 29.6	+6.4
GNI	Garni		Sn	Pn	16 53 55.4	+3.3
GNI	Garni		S	Pn	16 55 29.6	
LGD	Lagodekhi	8.09 318	P	Pn	16 53 54.0	+1.4
GZKX	Gazax, Azerbai	8.11 311	Pn	Pn	16 53 53.7	+0.8
GZKX	Gazax, Azerbai		Sn	Pn	16 55 21.6	-3.0
GZKX	Gazax, Azerbai		P	Pn	16 53 53.7	+0.8
GZKX	Gazax, Azerbai		S	Pn	16 55 21.6	-3.0
GROC	Groznyy	9.30 323	eP	Pn	16 54 11.6	+2.4
GROC	Groznyy		eS	Pn	16 55 55.8	+2.0
GROC	Groznyy		pmx	pmx		
GROC	Groznyy		comp=Z,13nm,0.5s			
ONI	Oni	10.17 313	P	Pn	16 54 22.3	+1.2
KBZ	Khabaz	11.19 316	Pn	Pn	16 54 38.7	+3.6
KBZ	Khabaz		comp=Z,0.2nm,0.3s,baz=143,slow=3.7,SNR=3.0			
KBZ	Khabaz		Sn	Pn	16 56 41.9	+1.7
KVAR	Kislovodsk Arr	11.45 317	Sn	Pn	16 56 47.2	+0.4
KVAR	Kislovodsk Arr		comp=Z,0.4nm,0.3s,baz=312,slow=14,SNR=3.2			
KIV	Kislovodsk	11.45 317	eS	Pn	16 56 47.1	+0.4
KIV	Kislovodsk	11.45 317	eP	Pn	16 54 39.8	+1.0
KIV	Kislovodsk		pmx	pmx		
KIV	Kislovodsk		comp=Z,14nm,1.0s			
KIV	Kislovodsk		MLR	MLR		
WSAR	Wadi Sarin	13.51 159	LR	LR	17 00 04.4	
WSAR	Wadi Sarin		comp=Z,46nm,18.5s,baz=12,slow=37			
GAR	Garm	13.65 73	ePn	Pn	16 55 08.4	-0.5
GAR	Garm	13.65 73	eP	Pn	16 55 08.4	-0.5
AB31	Akbulak array	14.01 18	P	Pn	16 55 12.5	-1.1
AB31	Akbulak array		comp=Z,1.7nm,0.5s,baz=205,slow=13,SNR=1.6			
AB31	Akbulak array		14.01 18	P	16 57 43.1	-6.0
AB31	Akbulak array		comp=Z,1.9nm,0.6s,baz=203,slow=13,SNR=3.5			
AB31	Akbulak array		14.01 18	P	16 55 12.5	-1.1
AB31	Akbulak array		S	Pn	16 57 43.1	-6.0
ABKAR	Akbulak array	14.01 18	ePn	Pn	16 55 13.4	-0.2
BTK	Batkent	14.21 68	ePn	Pn	16 55 15.5	+0.9
RAYN	Ray Rayn	14.28 211	eP	Pn	16 55 13.0	-4.5
RAYN	Ray Rayn	14.28 211	eP	Pn	16 55 13.0	-4.5
ASF	Jabal al Asfar	14.30 259	Pn	Pn	16 55 19.8	+2.0
AKTO	Aktyubinsk	14.74 11	P	Pn	16 55 22.2	-1.4
AKTO	Aktyubinsk		comp=Z,0.4nm,0.3s,baz=198,slow=13,SNR=9.0			
AKTO	Aktyubinsk		Sn	Pn	16 58 02.2	-4.7
AKTO	Aktyubinsk		comp=Z,0.2nm,0.3s,baz=86,slow=16,SNR=3.6			
AKTO	Aktyubinsk		14.74 11	P	16 57 59.8	-7.2
AKTO	Aktyubinsk		comp=Z,3.3nm,0.7s			
KK31	Karatay Array	14.87 57	ePn	Pn	16 55 24.6	-0.7
KK31	Karatay Array	14.87 57	P	Pn	16 55 23.6	-1.7
KK31	Karatay Array		comp=Z,3.5nm,0.8s,baz=243,slow=17,SNR=2.1			
KK31	Karatay Array		14.87 57	ePn	16 55 24.6	-0.7
KKAR	Karatay Array	14.87 57	ePn	Pn	16 55 24.6	-0.7
ANN	Anapa	15.03 310	eS	Pn	16 55 23.9	-3.5
ANN	Anapa		eS	Pn	16 58 08.5	-5.4
ANN	Anapa		pmx	pmx		
MMAI	Mount Meron Arr	15.23 264	LR	LR	17 02 11.6	
ARSB	Arslanbob	16.08 65	ePn	Pn	16 55 40.4	-1.0
ARSB	Arslanbob		comp=Z,16nm,1.0s			
BR101	Beskin Array S	16.12 289	eP	P	16 55 45.7	+0.6
BR131	Beskin Array S	16.12 289	ePn	P	16 55 42.7	-2.4
BR131	Beskin Array S		comp=Z,5.4nm,1.3s			
BRTR	Beskin Array B	16.12 289	Pn	P	16 55 45.7	+0.6
BRTR	Beskin Array B		comp=Z,0.1nm,0.3s,baz=105,slow=12,SNR=11			
BRTR	Beskin Array B		LR	LR	17 02 57.6	
EIL	Eilat	16.84 253	Pn	P	16 55 52.0	-1.0
EIL	Eilat		comp=Z,46nm,18.9s,baz=94,slow=41			
AAK	Ala-Archa	17.49 62	P	P	16 55 59.4	-1.0
AAK	Ala-Archa		comp=Z,37nm,20.0s,baz=249,slow=42			
AAK	Ala-Archa		17.49 62	eP	16 55 59.4	-1.0
AAK	Ala-Archa		comp=Z,7.5nm,0.9s			
AAK	Ala-Archa		17.49 62	eP	16 55 59.3	-1.0
AAK	Ala-Archa		pmx	pmx		
NRN	Naryn	18.32 66	eP	P	16 56 09.4	-0.4
NRN	Naryn		comp=Z,18nm,1.7s			
NRN	Naryn		comp=Z,7.2nm,0.8s			
NRN	Naryn		18.32 66	eP	16 56 09.4	-0.4
NRN	Naryn		pmx	pmx		
VSR	Storozhevoye	18.33 330	eP	Pn	16 56 07.5	-1.8
VSR	Storozhevoye		pmx	pmx		
KDJ	Kajisay	19.32 64	eP	Pn	16 56 23.7	+2.2
KDJ	Kajisay		comp=Z,7.0nm,0.7s			
KDJ	Kajisay		19.32 64	eP	16 56 23.7	+2.2
KDJ	Kajisay		pmx	pmx		
LPSR	Galich'ya Gora	19.50 333	eP	P	16 56 21.1	-1.1
LPSR	Galich'ya Gora		comp=Z,20nm,0.7s			
PRZ	Przheval'sk	20.27 64	eP	Pn	16 56 33.8	+0.9
PRZ	Przheval'sk		comp=Z,24nm,1.4s			
PRZ	Przheval'sk		20.27 64	eP	16 56 33.8	+0.9
PRZ	Przheval'sk		pmx	pmx		
ARU	Arti	20.67 8	P	Pn	16 56 37.3	+0.1
ARU	Arti		comp=Z,2.5nm,0.5s,baz=194,slow=7.0,SNR=11			
ARU	Arti		LR	LR	17 06 16.5	
ARU	Arti		comp=Z,7.4nm,20.4s,baz=182,slow=41			
ARU	Arti		20.67 8	eP	16 56 37.2	0.0
ARU	Arti		comp=Z,13nm,1.0s			
ARU	Arti		20.67 8	eP	16 56 38.4	+1.2
ARU	Arti		SS	SS	17 00 52.8	+2.3

ARU	comp=Z,14nm,1.0s		pmx	pmx		
BRVK	Borovyoe	20.70 30	eP	Pn	16 56 36.8	-0.8
BRVK	Borovyoe	20.70 30	iP	Pn	16 56 37.2	-0.3
BRVK	Borovyoe		pmx	pmx		
BVAR	Borovyoe Array	20.71 30	P	Pn	16 56 36.7	-1.0
BVAR	Borovyoe Array		comp=Z,5.5nm,0.7s,baz=217,slow=9.3,SNR=30			
SVE	Sverdlovsk	21.33 11	eP	P	16 56 44.8	+2.8
KIS	Kishinev	21.40 30	eP	P	16 56 42.0	-0.8
KIS	Kishinev	21.40 30	eP	P	16 56 42.0	-0.8
KIS	Kishinev		e	P	16 56 54.0	
OBN	Obninsk	22.35 334	eP	P	16 56 54.4	+1.5
OBN	Obninsk		pmx	pmx		
IRVN	comp=Z,35nm,2.1s					
KIROV	Kirov	22.71 354	LR	LR	17 08 40.0	
KIROV	Kirov		comp=Z,25nm,18.1s,baz=185,slow=44			
AKASO	Malin Array Be	22.80 318	P	P	16 57 00.0	+2.2
AKASO	Malin Array Be		comp=Z,2.5nm,0.5s,baz=223,slow=11,SNR=6.1			
AKBB	Malin Array Si	22.80 318	eP	P	16 56 59.8	+2.0
AKBB	Malin Array Si		comp=Z,5.7nm,1.0s			
AKBB	Malin Array Si	22.80 318	eP	P	16 56 59.8	+2.0
AKBB	Malin Array Si		pmx	pmx		
MLR	comp=Z,6.0nm,1.0s					
MLR	MLR	22.82 303	P	P	16 57 01.2	+3.0
MLR	MLR		comp=Z,3.8nm,0.8s,baz=178,slow=1.4,SNR=9.9			
KURBB	Kurchatov Arr	23.16 43	P	P	16 57 03.2	+1.7
KURBB	Kurchatov Arr		comp=Z,2.5nm,1.0s,baz=244,slow=10,SNR=11			
KURK	Kurchatov	23.25 43	eP	P	16 57 03.4	+0.9
KURK	Kurchatov		comp=Z,3nm,1.1s			
KURK	Kurchatov	23.25 43	eP	P	16 57 03.4	+0.9
KURK	Kurchatov		pmx	pmx		
MAKZ	comp=Z,13nm,1.1s					
MAKZ	MAKZ	23.77 54	eP	P	16 57 09.1	+1.4
MAKZ	MAKZ		comp=Z,9.0nm,1.4s			
MAKZ	MAKZ	23.77 54	eP	P	16 57 09.1	+1.4
MAKZ	MAKZ		pmx	pmx		
MK31	comp=Z,9.0nm,1.4s					
MK31	Makanchi Array	23.97 54	eP	P	16 57 10.0	+0.4
MK31	Makanchi Array		comp=Z,3.4nm,0.9s			
MK31	Makanchi Array	23.97 54	P	P	16 57 10.8	+1.2
MK31	Makanchi Array		comp=Z,5.5nm,1.0s,baz=166,slow=7.0,SNR=2.0			
MK31	Makanchi Array	23.97 54	eP	P	16 57 10.0	+0.4
MK31	Makanchi Array		pmx	pmx		
MK32	comp=Z,3.0nm,0.9s					
MK32	Makanchi Array	23.97 54	eP	P	16 57 10.4	+0.8
MK32	Makanchi Array		comp=Z,3.4nm,0.9s			
MK32	Makanchi Array	23.97 54	P	P	16 57 10.4	+0.8
MK32	Makanchi Array		comp=Z,2.7nm,0.8s,baz=246,slow=6.8,SNR=2.2			
MKAR	Makanchi Array	23.97 54	P	P	17 07 03.4	
MKAR	Makanchi Array		LR	LR		
PRGR	comp=Z,45nm,19.6s,baz=261,slow=38					
PRGR	Pergomore	26.09 351	eP	P	16 57 29.8	+1.2
PRGR	Pergomore		pmx	pmx		
KLMR	comp=Z,3.0nm,0.5s					
KLMR	Klimovskoe	26.39 345	eP	P	16 57 31.9	+0.6
KLMR	Klimovskoe		pmx	pmx		
ZAAO	comp=Z,4.0nm,0.8s					
ZAAO	Zalesovo Arr	28.13 41	eP	P	16 57 48.7	+1.6
ZAAO	Zalesovo Arr		comp=Z,2.8nm,1.0s			
ZALV	Zalesovo Be	28.13 41	P	P	16 57 48.5	+1.4
ZALV	Zalesovo Be		comp=Z,1.5nm,0.8s,baz=270,slow=8.9,SNR=5.8			
ZALV	Zalesovo Be	28.13 41	P	P	16 57 48.9	+1.8
ZALV	Zalesovo Be		pmx	pmx		
ZAA1	comp=Z,1.0nm,0.7s					
ZAA1	Zalesovo Arr	28.13 41	eP	P	16 57 48.5	+1.3
VYHS	Vyhne	28.27 307	eP	P	16 57 50.9	+2.5
VYHS	Vyhne	28.27 307	eP			

Table with columns: MGZ, McQueen's Vall, 2.47 211 P, Pn, 19 43 14.7 -2.4, etc.

Table with columns: HHC, Hu-ho-hao-te, 32.00 27 P, P, 19 58 20.0 +1.0, etc.

Table with columns: STKA, Stephens Creek, 64.41 135 eP, P, 20 02 30.3 +1.8, etc.

IDC 24 19:48:26.2,6.3,21.73N-124.03E,h0km,mb3.8/3, mb1 4.1/3,mb1mx3.4/2,mbtm3.8/3, Error ellipse: s-maj=428.7km s-min=32.3km az=61.0

Table with columns: MK31, Makanchi Array, 34.82 347 eP, P, 19 58 43.4 0.0, etc.

Table with columns: VYHS, Yhnye, 69.94 317 eP, P, 20 03 04.4 +1.0, etc.

ISC 24 19:48:37.7,1.2,20.28N-0.07,121.03E,0.09,h10km,n12, e=147/17,mb4.0/3,1C-1D,Philippine Islands region

Table with columns: MAZ2, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: BBP, Basco, 0.89 79 eP, Pn, 19 48 52.0 -0.3, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: BILL, Bilibino, 71.63 22 eP, P, 20 03 14.6 +1.4, etc.

BUI 24 19:51:53.0,0.0,12.79N-93.23E,h41km,mb4.5/40, mb4.6/27,Ms4.0/5,Ms7.3/8/2

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

MOS 24 19:51:53.5,1.0,13.09N-93.21E,h33km,mb4.5/24, Error ellipse: s-maj=10.7km s-min=6.4km az=100.1

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

NEIC 24 19:51:55.0,1.2,12.98N-93.24E,h34km,mb4.7/33, Error ellipse: s-maj=16.9km s-min=8.4km az=132.0

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

ISC 24 19:51:57.8,2.5,13.08N-93.28E,h55km,21km,ms3.9/20, mb1 4.0/22,mb1mx3.9/38,mbtm4.2/22,ML4.3/2,MS3.4/6, Ms1 3.4/6,ms1mx3.0/32, Error ellipse: s-maj=17.4km s-min=1.9km az=55.0

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

ISC 24 19:51:57.9,1.4,13.09N-0.06,93.18E,0.08,h56km,11km, n136,e136/147,mb4.4/64,MS3.5/6,4C-3D,Andaman Islands region

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: SRDT, SRDT, 5.91 77 Op, Pn, 19 53 25.0 +2.1, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: PHET, Kaeng Krachan, 6.29 91 P, Pn, 19 53 28.4 +0.2, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: UMPA, Umpang Tak, 6.31 60 P, Pn, 19 53 28.2 -0.3, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: UTHA, Uthaitani, 6.55 67 P, Pn, 19 53 32.1 +0.4, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: CM31, Chiang Mai Arr, 7.70 45 ePn, Pn, 19 53 45.2 -2.3, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: CMAR, Chiang Mai Arr, 7.70 45 ePn, Pn, 19 53 47.6 -0.8, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

Table with columns: CMAR, Chiang Mai Arr, 7.70 45 ePn, Pn, 19 53 47.6 -0.8, etc.

Table with columns: MAZK, Makanchi, 34.91 347 eP, P, 19 58 44.0 -0.1, etc.

Table with columns: MORC, Moravsky Berou, 70.85 318 eP, P, 20 03 10.0 +1.1, etc.

MEX 24 19:59:31.5,0.7,25.74N*100.46W,h5km,MD3.7, Northern Mexico

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, LNI, Linares, 1.23 133 eP, P, 19 59 53.7 -1.4, etc.

IDC 24 20:02:55.8,1.3,10.43N-126.34E,h0km,mb3.8/6, mb1 3.9/7,mb1mx3.6/42,mbtm3.9/7,ML4.5/1,MS3.4/7, Ms1 3.4/7,ms1mx3.0/42, Error ellipse: s-maj=72.0km s-min=17.9km az=74.0

NEIC 24 20:02:55.2,4.2,10.44N-126.08E,h10km,mb4.5/7, Error ellipse: s-maj=43.8km s-min=15.1km az=84.0

NEIC Felt [IV PIVS] at San Francisco and Surigao; [III PIVS] at Malimono, Mindanao.

MAN 24 20:02:59.4, 9.85N-125.33E,h14km,mb4.9,ML3.9,MS3.9

MAN INTENSITY IV: SURIGAO CITY; SAN FRANCISCO SURIGAO DEL NORTE; INTENSITY III - MALIMONO SURIGAO DEL NORTE.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, SCPH, Surigao, 0.30 109 i/P, Pn, 20 03 09.8 -0.1, etc.

24d 20h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HJH Hachijo jima 2, CMAR Chiang Mai Arr, WRI Warramunga Arr, etc.

ISCJB 24 20:12:46.70.0.5, 55.76N, 0.06:155.7E:0.2, h10km, mb3.3/8, ML3.2/1, Error ellipse: s-maj=16.4km, s-min=6.7km, az=155.5

IDC 24 20:12:46.8.0.8, 55.74N, 155.76E, h0km, mb3.4/8, mb1 3.6/13, mb1mx3.5/37, mbtp3.4/13, ML3.3/4, MS3.2/1, Ms1 3.2/1, ms1mx2.2/39, Error ellipse: s-maj=23.6km, s-min=11.6km, az=63.0

ISC 24 20:12:48.2.0.6, 55.68N, 0.08:155.7E:0.1, h10km, n15, a170/16, mb3.3/8, Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, MA2 Magadan, SEY Seymchan, etc.

GRAL 24 20:17:18.6.0.3, 34.53N, 36.23E, h33km, 2km, MD2.9, NSSC 24 20:17:23.2.0.3, 33.93N, 36.23E, h76km, 5km, ML1.7, ISC 24 20:17:18.4.3.2, 34.3N, 0.1:36.3E:0.1, h4km, 17km, n7, a050/12, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HWQ Hawqa, BHL Bhannans, QASN Qassioun, etc.

ANF 24 20:35:26.8.0.1, 37.35N, 81.48W, ML2.5/23, ML2.5/23, Error ellipse: s-maj=1.2km, s-min=1.0km, az=51.0, West Virginia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like T54A Tazewell, S54A Dingess, Beckl, T55A Pulaski, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S56A Natural Bridge, V54A Nebo, Q54A Cox Mills, etc.

ANF 24 20:35:41.9.0.2, 37.39N, 81.34W, ML2.5/14, Error ellipse: s-maj=1.8km, s-min=1.4km, az=66.0, West Virginia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S54A Dingess, Beckl, R54A Victor, R54A Lewisburg, etc.

WEL 24 20:50:11.0.42, S1, 174.3E:0.8, h11km, 2km, M3.5/20, ML3.8/15, MLV3.5/20, Error ellipse: s-maj=0.0km, s-min=0.0km, az=159.3, Cook Strait

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

IDC 24 20:51:23.0.0.8, 38.92N, 26.24E, h0km, mb3.7/12, mb1 3.8/17, mb1mx3.6/45, mbtp3.6/17, ML3.6/5, MS3.0/8, Ms1 3.0/8, ms1mx2.7/45, Error ellipse: s-maj=14.2km, s-min=12.6km, az=40.0

DDA 24 20:51:23.6, 38.99N, 26.04E, h34km, 1km, ML3.8, NEIC 24 20:51:24.2.0.0, 38.99N, 26.11E, h12km, ML4.1 (ISK), ATH 24 20:51:24.2, 38.98N, 26.11E, h14km, ML4.1/49, ISK 24 20:51:24.0, 38.99N, 26.07E, h14km, ML3.6/51, Error ellipse: s-maj=1.2km, s-min=0.7km, az=88.0

ISCJB 24 20:51:25.1.0.2, 38.99N, 0.009:26.08E:0.01, h25km, 2km, mb3.6/12, MS3.1/7, Error ellipse: s-maj=1.6km, s-min=1.4km, az=27.0

SOF 24 20:51:25.8, 39.00N, 26.41E, h2km, MD3.6, THE 24 20:51:25.4, 39.00N, 26.07E, h14km, ML3.5/41, Error ellipse: s-maj=0.8km, s-min=0.4km, az=86.0

BEO 24 20:51:27.1.0.5, 39.08N, 26.15E, h10km, ML3.8/10, ISC 24 20:51:25.2.0.0, 38.97N, 0.01:26.10E:0.01, h14km, 6km, n34, a1918/47.4, mb3.7/12, MS3.0/7, 20C-20D, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like S54A Tazewell, S54A Dingess, T55A Pulaski, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PRK Gulpinar-Canak, GPNR Karaburun, GPNR Candarli, etc.

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1341

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like WRAB, WB2, WHN, DANN, ASAR, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GAR, GARM, KZA, SONMI, etc.

24d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YUK, BOROVYO, YSS, etc.

24h 21h

Table with columns for station name, frequency, power, and signal strength. Includes stations like VSR, BKZ, BOSHA, LPSR, SIM, etc.

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Table with columns for station name, frequency, power, and signal strength. Includes stations like MODS, G39A, E47A, etc.

1342

Table with columns for station name, frequency, power, and signal strength. Includes stations like ECSD, G39A, E47A, etc.

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24d 21h

S57A	Dark Hollow, R	145.89	1	P	PKPbc	21 58 55.9	-0.1
S60A	Water View	145.91	357	P	PKPab	21 58 56.4	-0.2
T49A	Edmonton	145.91	10	P	PKPdf	21 58 55.4	-0.1
S56A	Natural Bridge	145.96	2	P	PKPdf	21 58 55.7	+0.1
W41B	Gary Mavity, V	145.97	20	P	PKPdf	21 58 55.6	0.0
S58A	Poland Farm, P	146.04	359	P	PKPbc	21 58 56.1	-0.3
MIAR	Mount Ida	146.04	23	P	PKPbc	21 58 56.7	+0.1
T50A	Nancy	146.11	9	P	PKPdf	21 58 55.7	-0.2
T51A	Hallie	146.28	7	P	PKPbc	21 58 57.1	-0.2
T52A	Gray	146.30	8	P	PKPdf	21 58 56.7	+0.5
X40A	Basin Creek Fa	146.37	22	P	PKPbc	21 58 57.6	0.0
WVT	Waverly	146.38	14	ePKPbc	PKPbc	21 58 57.4	-0.2
WVT	Waverly	146.38	14	ePKP2	PKPbc	21 58 57.4	-0.2
WVT	Waverly	146.38	14	P	PKPbc	21 58 57.4	-0.2
JCT	Junction City	146.40	35	P	PKPab	21 58 58.4	-0.4
U9A	Red Boiling Sp	146.41	11	P	PKPbc	21 58 57.1	-0.6
T53A	Wise	146.45	6	P	PKPbc	21 58 57.6	-0.3
T55A	Pulaski	146.46	3	P	PKPbc	21 58 57.4	-0.5
T54A	Tazewell	146.46	5	P	PKPbc	21 58 57.4	-0.5
WHTX	Lake Whitney,	146.48	30	P	PKPbc	21 58 58.1	+0.1
T56A	Rocky Mt	146.59	2	P	PKPbc	21 58 57.7	-0.5
V46A	Holladay	146.62	14	P	PKPbc	21 58 57.7	-0.5
T57A	Hurt	146.64	1	P	PKPbc	21 58 58.2	-0.2
T59A	Double "B" Far	146.67	359	ePKPbc	PKPbc	21 58 58.0	-0.4
T59A	Double "B" Far	146.67	359	P	PKPbc	21 58 58.0	0.0
U50A	Jamestown	146.70	9	P	PKPbc	21 58 57.9	-0.6
T58A	Grand View Acr	146.70	0	P	PKPbc	21 58 58.5	+0.1
V47A	Nunnely	146.74	14	P	PKPbc	21 58 58.0	-0.6
TZTN	Tazewell	146.77	8	P	PKPbc	21 58 58.4	-0.4
U51A	La Follette	146.87	8	P	PKPbc	21 58 59.2	+0.1
U52A	Thorn Hill	146.94	7	P	PKPbc	21 58 59.2	-0.1
V48A	Smith Brothers	146.98	13	P	PKPbc	21 58 58.5	-0.9
U55A	TA2, Sparta	147.06	4	P	PKPbc	21 58 59.1	-0.6
V49A	McMinville	147.15	11	P	PKPbc	21 58 59.0	-0.8
U60A	Pendleton	147.16	358	P	PKPbc	21 58 59.9	+0.2
U47A	Michie	147.19	15	P	PKPbc	21 58 59.2	-0.7
V45A	Blanch	147.21	1	P	PKPbc	21 58 59.8	-0.2
U56A	King	147.25	3	P	PKPbc	21 58 59.6	-0.5
U58A	Oxford	147.25	0	P	PKPbc	21 59 00.2	+0.1
U61A	Possum Corner	147.26	357	P	PKPab	21 59 01.5	-0.3
W47A	Westpoint	147.27	14	P	PKPbc	21 58 59.7	-0.4
U59A	Littleton	147.29	359	P	PKPbc	21 59 01.0	+0.9
435B	Jarell	147.38	32	P	PKPbc	21 59 00.8	+0.2
V51A	Loudon	147.38	9	P	PKPbc	21 58 59.8	-0.7
V50A	Pikeville	147.39	10	P	PKPbc	21 59 00.1	-0.4
V52A	Sevierville	147.45	8	P	PKPbc	21 59 00.3	-0.4
Z41A	Richland Creek	147.48	23	P	PKPbc	21 59 01.1	+0.3
OXF	Oxford	147.49	17	P	PKPbc	21 59 00.2	-0.5
W48A	Pulaski	147.53	13	P	PKPbc	21 59 00.2	-0.7
X46A	Booneville	147.68	16	P	PKPbc	21 59 00.8	-0.5
V55A	Taylorville	147.69	4	P	PKPbc	21 59 00.9	-0.4
W49A	Belvidere	147.70	12	P	PKPbc	21 59 00.8	-0.5
V54A	Nebo	147.71	5	P	PKPbc	21 59 00.9	-0.5
V53A	Saluda	147.72	7	P	PKPbc	21 59 01.1	-0.4
V57A	Coltrane Farms	147.74	2	P	PKPbc	21 59 01.2	-0.2
V56A	Mocksville	147.78	3	P	PKPbc	21 59 01.3	-0.3
W50A	Signal Mountai	147.81	11	P	PKPbc	21 59 01.1	-0.6
V61A	Roper	147.81	357	P	PKPbc	21 59 02.1	+0.6
V58A	Windy Hill, Pi	147.85	1	P	PKPbc	21 59 01.7	0.0
V60A	Jim Taylor Roa	147.86	358	P	PKPbc	21 59 01.9	+0.2
V59A	Middlesex	147.88	360	P	PKPbc	21 59 02.1	+0.3
X47A	Russelville	147.91	15	P	PKPbc	21 59 01.0	-0.9
W51A	Cleveland	147.94	10	P	PKPbc	21 59 01.6	-0.4
NATX	Nacogdoches	148.00	27	P	PKPbc	21 59 02.7	+0.5
W52A	Murphy	148.14	9	P	PKPbc	21 59 02.3	-0.2
X48A	Hartselle	148.17	14	P	PKPbc	21 59 01.9	-0.7
W53A	Cullowhee	148.17	7	P	PKPbc	21 59 02.8	0.0
833A	Chaparral WMA,	148.24	37	P	PKIKP	21 59 03.9	-0.8
X49A	Woodville	148.27	12	P	PKPbc	21 59 02.7	-0.2
W54A	Cherokee Point	148.37	6	P	PKPbc	21 59 02.8	-0.3
KM5C	Kings Mountain	148.39	5	P	PKPbc	21 59 02.9	-0.3
CNNO	Climbs of the	148.40	359	P	PKPbc	21 59 03.9	+0.7
W61A	Ground Anchor	148.44	358	P	PKPbc	21 59 03.7	+0.5
W56A	Indian Trail	148.45	3	P	PKPbc	21 59 02.9	-0.4
W57A	Gilead	148.46	2	P	PKPbc	21 59 03.2	-0.2
X50B	Fort Payne	148.46	11	P	PKPbc	21 59 02.5	-0.9
X51A	Calhoun	148.51	10	P	PKPbc	21 59 03.4	0.0
BB5R	BB Station	148.51	337	ePKPbc	PKPbc	21 59 03.3	-0.3
W60A	Pink Hill	148.59	359	P	PKPbc	21 59 04.0	+0.3
X52A	Dahlonega	148.63	9	P	PKPbc	21 59 03.9	0.0
Y48A	Jasper	148.65	14	P	PKPbc	21 59 02.9	-0.9
X53A	Estanollee	148.81	8	P	PKPbc	21 59 04.3	0.0
X54A	Belton	148.88	6	P	PKPbc	21 59 04.4	-0.1
Y49A	Blount Mountai	148.88	13	P	PKPbc	21 59 04.1	-0.4
HKT	Hockley	148.94	30	ePKPbc	PKPbc	21 59 02.3	+1.7
HKT	Hockley	148.94	30	ePKIKP	PKPbc	21 59 02.3	+1.7
X55A	Gracelyn & Ava	149.03	5	P	PKPbc	21 59 04.6	-0.2

X56A	White Oak	149.06	4	P	PKPbc	21 59 04.7	-0.2
X60A	Albert Glenn T	149.06	359	P	PKPbc	21 59 05.4	+0.5
X58A	Rowland	149.08	1	P	PKPbc	21 59 04.9	0.0
Y51A	Rockmart	149.12	11	P	PKPbc	21 59 04.7	-0.4
X57A	Johnson Farm,	149.14	3	P	PKPbc	21 59 05.2	+0.1
VBMS	Vicksburg	149.25	20	P	PKPbc	21 59 05.9	+0.4
Y52A	Lilburn	149.32	9	P	PKPbc	21 59 05.9	+0.3
Y53A	Monroe	149.41	8	P	PKPbc	21 59 06.0	+0.2
Y54A	Tignal	149.52	7	P	PKPbc	21 59 06.2	+0.1
LRAL	Review Retre	149.53	14	P	PKPbc	21 59 05.6	-0.5
147A	Livingston	149.53	17	P	PKPbc	21 59 06.2	0.0
Y55A	Saluda	149.54	6	P	PKPbc	21 59 06.3	+0.1
Z50A	Ashland	149.57	12	P	PKPbc	21 59 06.0	-0.3
Y57A	Sumter	149.57	3	P	PKPbc	21 59 06.2	0.0
Y60A	Bolivia	149.64	360	P	PKPbc	21 59 06.5	+0.2
Y59A	Loris	149.65	1	P	PKPbc	21 59 06.7	+0.3
Z51A	Franklin	149.66	11	P	PKPbc	21 59 06.2	-0.2
Y58A	Scranton	149.72	2	P	PKPbc	21 59 06.9	+0.3
Y56A	Pelion	149.73	5	P	PKPbc	21 59 06.8	+0.2
148A	Greensboro	149.75	15	P	PKPbc	21 59 06.6	0.0
GOGA	Goovey	149.86	8	P	PKPbc	21 59 07.0	+0.1
Z52A	Williamson	149.93	10	P	PKPbc	21 59 07.2	+0.1
Z53A	Monticello	149.97	9	P	PKPbc	21 59 07.2	0.0
149A	Jones	150.00	14	P	PKPbc	21 59 07.1	-0.2
Z54A	Sparta	150.12	7	P	PKPbc	21 59 07.8	+0.3
150A	Eclectic	150.17	13	P	PKPbc	21 59 07.5	-0.2
Z56A	Williston	150.19	5	P	PKPbc	21 59 07.9	+0.2
Z57A	Gowman	150.27	4	P	PKIKP	21 59 08.9	+0.2
Z58A	St. Stephen	150.28	2	P	PKIKP	21 59 09.1	+0.4
152A	Waverly Hall	150.38	11	P	PKPbc	21 59 08.4	+0.2
Z59A	Georgetown, SC	150.39	1	P	PKIKP	21 59 08.6	-0.4
151A	Opelika	150.40	12	P	PKPbc	21 59 08.4	+0.1
NH5C	New Hope	150.49	3	P	PKIKP	21 59 09.0	-0.2
249A	Camden	150.51	15	P	PKPbc	21 59 08.9	+0.4
LNIG	Linares	150.62	42	ePKPbc	PKPbc	21 59 08.8	-0.2
LNIG	Linares	150.62	42	ePKPbc	PKPbc	21 59 15.4	-0.5
154A	Montrose	150.70	8	P	PKIKP	21 59 09.3	-0.3
Z50A	Grady	150.72	14	P	PKPbc	21 59 09.3	+0.3
155A	Kite	150.77	7	P	PKIKP	21 59 09.7	0.0
Z51A	Midway	150.80	12	P	PKIKP	21 59 09.8	-0.1
156A	Sylvania	150.84	5	P	PKIKP	21 59 10.1	+0.2
158A	Hollywood	150.86	3	P	PKIKP	21 59 09.6	-0.3
252A	Lumpkin	151.03	11	P	PKPbc	21 59 10.0	+0.3
253A	Americus	151.08	10	P	PKPbc	21 59 10.0	+0.2
349A	Repton	151.08	16	P	PKIKP	21 59 10.5	+0.1
350A	Dozier	151.23	14	P	PKIKP	21 59 10.7	0.0
BRAL	Brewton	151.29	16	P	PKIKP	21 59 11.2	+0.3
254A	Abbeville	151.32	9	P	PKIKP	21 59 10.9	0.0
255A	Hazelhurst	151.46	7	P	PKIKP	21 59 11.2	0.0
256A	Glennville	151.47	6	P	PKIKP	21 59 11.0	-0.2
352A	Blakely	151.49	12	P	PKIKP	21 59 11.4	+0.2
257A	Skidaway Islan	151.56	5	P	PKPbc	21 59 10.9	0.0
353A	Camilla	151.76	11	P	PKPbc	21 59 11.5	+0.1
TIGA	Tifton	151.78	9	P	PKPbc	21 59 11.4	-0.1
356A	Blackshear	152.09	7	P	PKIKP	21 59 12.7	+0.2
451A	Vernon	152.15	14	P	PKPbc	21 59 12.3	0.0
453A	Whigham	152.22	11	P	PKIKP	21 59 12.9	+0.1
4							

25d 0h

Table with columns: ARU, Arti, comp, 20.64 336 P, 23 48 17.1 +0.8, etc. Lists various stations and their frequencies.

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Table with columns: YAK, DPC, KRUC, GONA, etc. Lists various stations and their frequencies.

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Table with columns: PVO, ANX, ANX, ANX, etc. Lists various stations and their frequencies.

Table with columns: CHN4, Tsushan, 2.01 228 eP, Pn, 00 30 46.7 +0.3. Includes station details for IDC 25 00:35:14.8, 9.4, 24.05S; 178.87E, h591km, 77km, mb3.2/4, mb1 3.3/5, mb1mx3.1/23, mbtmp4.2/5, Error ellipse: s-maj=121.5km s-min=36.7km az=125.0.

Table with columns: GUC 25 01:44.2, 0.6, 32.80S; 70.47W, h81km, 4km, ML3.5, 2C-5D, Chile-Argentina border region. Includes station details for PEL Peldehue, 0.39 208 i/P, Pn, 00 41 58.0 +0.7.

Table with columns: TRN 25 01:19:40.6, 15.55N-59.24W, h63km, MD3.9, Leeward Islands. Includes station details for ILAM Ilet Lapin Mar, 1.75 244 eP, Pn, 01 20 10.0 +1.2.

Table with columns: KRSC 25 01:19:39.5, 1.7, 52.06N; 160.67E, h69km, 20km, ML4.1. Includes station details for MOS 25 01:19:40.6, 1.3, 51.97N; 160.66E, h39km, mb4.7/7, Error ellipse: s-maj=8.5km s-min=4.7km az=105.9.

Table with columns: SPN Mys Shipunski, 1.06 346 i/P, Pn, 01 20 00.5 -0.5. Includes station details for WRA Warramunga Arr, 15.73 160 Pn, 01 31 58.0 +0.6.

Table with columns: RUS Russkaya, 1.25 287 Pn, 01 20 04.2 0.0. Includes station details for NLY Nalytchevo, 1.29 329 i/P, Pn, 01 20 21.2 +1.4.

Table with columns: KOK Koryaka, 1.65 318 eP, Pn, 01 20 11.0 -0.1. Includes station details for KRX Arik, 1.69 320 Pn, 01 20 11.1 -0.8.

Table with columns: ASAJ Asahikawa, 14.32 243 Pn, 01 23 00.8 -2.0. Includes station details for ERM Erimo, 15.46 236 ePn, Pn, 01 23 15.1 -2.9.

Table with columns: MAJ Matushiro, 22.11 234 eP, Pn, 01 24 36.8 +1.6. Includes station details for MAJ Matushiro, 22.11 234 eP, Pn, 01 24 36.8 +1.6.

Table with columns: CHIA Chirikof Is, 25.81 64 eP, Pn, 01 25 11.0 +0.3. Includes station details for CAST Castle Rocks, 27.07 47 eP, Pn, 01 25 22.9 +0.9.

Table with columns: GUMO Guam, 40.38 204 LR, LR, 01 25 43.0. Includes station details for KURK Kurchatov, 48.46 303 eP, P, 01 28 20.5 -1.5.

Table with columns: KMI Kunming, 2.93 210 ePn, Pn, 01 39 00.5 -2.1. Includes station details for ENH Enshi, 5.17 59 ePn, Pn, 01 39 33.7 +0.4.

Table with columns: KUR Kurchatov, 30.24 322 eP, Pn, 01 44 26.1 +1.0. Includes station details for DAV Davao City (W), 28.70 132 LR, LR, 01 56 27.5.

Table with columns: KUR Kurchatov, 30.24 322 eP, Pn, 01 44 26.1 +1.0. Includes station details for PALK Pallek, 30.19 327 eP, Pn, 01 44 24.5 -1.5.

Table with columns: KMI Kunming, 2.93 210 ePn, Pn, 01 39 00.5 -2.1. Includes station details for ENH Enshi, 5.17 59 ePn, Pn, 01 39 33.7 +0.4.

25d 4h

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Table with columns: AML, Almayashu, 1.79 298, P, P, 03 39 48.0 -0.4, 03 40 10.7 -0.4, 03 39 47.9 +1.2, 03 39 50.2 +0.1, 03 40 14.7 +1.0, 03 39 50.2 +0.1, 03 40 14.1 +0.5, 03 39 49.3 -0.1, 03 40 13.1 +0.3, 03 39 49.8 +0.3, 03 40 13.9 +1.1, 03 39 50.9 -0.2, 03 40 16.0 +0.7, 03 39 50.9 -0.2, 03 40 15.4 +0.1, 03 39 52.2 +0.3, 03 40 17.8 +1.0, 03 39 51.4 -1.0, 03 40 16.6 +1.3, 03 39 51.8 -0.6, 03 39 55.0 +0.3, 03 40 23.0, 03 39 55.0 +0.3, 03 40 22.7 +1.3, 03 39 54.5 -0.2, 03 40 22.5, 03 39 54.5 -0.2, 03 40 21.8 +0.4, 03 40 24.1 +1.9, 03 39 52.7 +1.5, 03 40 19.2 +1.2, 03 39 56.2 -0.1, 03 40 24.8, 03 39 56.2 -0.1, 03 40 24.8 +0.7, 03 40 21.0 -1.1, 03 39 55.0 +0.1, 03 40 26.6 +0.4, 03 40 28.0, 03 39 58.0 +0.9, 03 40 28.0, 03 39 58.5 -0.2, 03 40 28.2 -0.3, 03 40 01.7 -1.0, 03 40 01.7 -1.0, 03 40 34.0 -0.8, 03 40 04.7 -0.2, 03 40 38.9, 03 40 04.7 -0.2, 03 40 38.9 +0.4, 03 40 04.1 -1.0, 03 40 38.0, 03 40 04.1 -1.0, 03 40 38.0 -0.9, 03 40 06.0 -0.6, 03 40 41.6, 03 40 06.0 -0.6, 03 40 40.9 -0.4, 03 40 07.8 -0.7, 03 40 44.3, 03 40 07.8 -0.7, 03 40 44.3 -0.2, 03 40 03.1 +1.0, 03 40 37.8 +0.2, 03 40 11.4 -1.3, 03 40 50.4, 03 40 11.4 -1.3, 03 40 50.4 -1.1, 03 40 11.7 -1.4, 03 40 50.9 -1.3, 03 40 15.8 -1.6, 03 40 58.4, 03 40 15.8 -1.6, 03 40 58.4 -1.2, 03 40 18.5 -1.0, 03 41 02.7, 03 40 18.5 -1.0

Table with columns: MNBS, 236nm,0.3s, 3.38 52, P, P, 03 41 02.7 -0.2, 03 40 13.4 -2.0, 03 40 22.5 +2.5, 03 41 01.8, 03 40 11.7 -3.7, 03 40 51.7 +3.1, 03 40 27.3 +2.4, 03 41 17.4 -4.4, 03 40 29.2 -2.1, 03 41 21.1, 03 41 21.1 -1.8, 03 40 31.7 -2.8, 03 41 25.0 -3.1, 03 40 34.1 -1.5, 03 41 28.2, 03 40 34.1 -1.5, 03 41 29.4 -0.6, 03 40 32.4 +0.9, 03 41 28.3, 03 40 43.1 -2.7, 03 41 42.7, 03 40 43.1 -2.7, 03 41 44.7 -2.4, 03 41 12.0 -8.1, 03 41 32.3 -0.5, 03 43 00.9, 03 41 10.3 -1.0, 03 42 46.9 +0.9, 03 44 13.6, 03 41 15.2 -7.8, 03 43 03.1, 03 41 35.9 +3.9, 03 42 15.6, 03 44 13.3, 03 44 14.5, 03 42 11.2 +1.1, 03 44 43.5 +1.6, 03 45 41.2, 03 42 41.7 +0.1, 03 46 39.0, 03 42 57.0 +0.2, 03 46 36.2 +0.7, 03 47 03.3 -1.0, 03 47 14.2 -0.1, 03 50 23.8 -0.8, 03 40 28.2 -0.3, 03 40 01.7 -1.0, 03 40 34.0 -0.8, 03 40 04.7 -0.2, 03 40 38.9, 03 40 04.7 -0.2, 03 40 38.9 +0.4, 03 40 04.1 -1.0, 03 40 38.0, 03 40 04.1 -1.0, 03 40 38.0 -0.9, 03 40 06.0 -0.6, 03 40 41.6, 03 40 06.0 -0.6, 03 40 40.9 -0.4, 03 40 07.8 -0.7, 03 40 44.3, 03 40 07.8 -0.7, 03 40 44.3 -0.2, 03 40 03.1 +1.0, 03 40 37.8 +0.2, 03 40 11.4 -1.3, 03 40 50.4, 03 40 11.4 -1.3, 03 40 50.4 -1.1, 03 40 11.7 -1.4, 03 40 50.9 -1.3, 03 40 15.8 -1.6, 03 40 58.4, 03 40 15.8 -1.6, 03 40 58.4 -1.2, 03 40 18.5 -1.0, 03 41 02.7, 03 40 18.5 -1.0

Table with columns: CMIG, Matias Romero, 0.47 3, P, Pn, 03 51 10.0 -1.0, 03 51 20.3 -1.8, 03 51 19.5 -1.7, 03 51 38.8 -1.3, 03 51 20.8 -1.0, 03 51 40.0 -1.3, 03 51 22.8 -2.0, 03 51 44.8 -2.0, 03 51 27.7 -1.2, 03 51 25.9 -0.7, 03 51 47.7 -2.2, 03 51 37.3 -0.3, 03 52 08.9 -0.6, WEL 25 04:13:33.0, 42'S; 174°E:0.7, h17km, M3.3/25, ML3.5/18, MLV3.3/25, Error ellipse: s-maj=0.0km s-min=0.0km az=164.6, Cook Strait, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, CMWZ Cape Campbell, 0.09 17Z, Op, P, 04 13 36.8 +0.3, BSWZ Blackbirch Sta, 0.25 257, P, 04 13 39.7 +1.0, TUVZ Tuamarina, 0.30 319, P, 04 13 43.3 -0.1, TCW Tory Channel, 0.45 7, P, 04 13 43.0 +0.1, BHW Baring Head, 0.56 64, P, 04 13 44.2 +0.4, NNZ Nelson, 0.76 305, P, 04 13 48.0 +0.2, PLWZ Palisser, 0.79 84, P, 04 13 49.5 -0.0, MSWZ Moikau Station, 0.82 73, P, 04 13 49.7 -0.1, CAW Cannon Point, 0.85 50, P, 04 13 49.8 +0.1, DUWZ D'Urville Isla, 0.88 346, P, 04 13 50.2 +0.1, KHZ Kahutara, 0.91 213, P, 04 13 51.4 +0.1, PAWZ Paruwai Farm, 0.96 74, P, 04 13 52.0 +0.2, THZ Tophouse, 0.98 263, P, 04 13 52.0 +0.2, MTW Mount Morrison, 1.09 63, P, 04 13 53.8 +0.2, OGWZ Otaki Gorge, 1.11 41, P, 04 13 54.1 -0.3, TRWZ Traveller, 1.14 77, P, 04 13 54.2 +0.1, HWZ Holdsworth Sta, 1.25 53, P, 04 13 55.0 0.0, TMWZ Te Maipa, 1.38 67, P, 04 13 57.7 +0.1, MRZ Mangatainoka R, 1.44 47, P, 04 13 58.9 -0.5, QRZ Quartz Range, 1.51 303, P, 04 14 01.1 +0.5, GVZ Greta Valley S, 1.57 213, P, 04 14 00.3 +0.2, CHWZ Chalky Beach, 1.68 304, P, 04 14 02.4 +0.1, PRWZ Port Road, 1.73 81, P, 04 14 03.3 +0.9, POWZ Post Office Ro, 1.73 44, P, 04 14 03.0 +0.7, DSZ Denniston Nort, 1.80 266, P, 04 14 05.1 -0.5, LTZ Lake Taylor, 1.82 231, P, 04 14 04.3 +0.6, WAZ Wanganui, 1.89 18, P, 04 14 08.8 0.0, DWHZ Danverskie, 2.01 48, P, 04 14 06.2 +0.7, TSZ Takapari Road, 2.08 40, P, 04 14 07.5 +0.3, OKCZ Okains Bay, 2.23 202, P, 04 14 08.4 -0.8, PNHZ Pukenui, 2.31 42, P, 04 14 10.9 +0.6, INZ Inchbonnie, 2.31 242, P, 04 14 13.9 -0.3, OXZ Oxford, 2.31 223, P, 04 14 15.2 +0.9, NZHZ Newall Hut No, 2.40 354, P, 04 14 19.5 +0.5, DREZ Durham Road, 2.47 360, P, 04 14 20.8 +0.5, PKE Pukeiti, 2.47 356, P, 04 14 20.2 -0.1, MVTZ Mangateitei, 2.47 23, P, 04 14 18.5 +1.6, DREZ Danverskie, 2.51 24, P, 04 14 22.4 +0.1, MOVZ Moawhango, 2.52 28, P, 04 14 18.5 +0.2, VRZ Vera Road, 2.56 10, P, 04 14 17.4 -1.2, TRVZ Turoa, 2.57 24, P, 04 14 19.4 +0.6, BHHZ Black Hill Sta, 2.59 34, P, 04 14 16.7 -2.2, DRZ Dome Shelter, 2.59 24, P, 04 14 21.7 -1.0, DWHZ Whangape Hut, 2.60 24, P, 04 14 19.2 0.0, KRHZ Kereru, 2.60 40, P, 04 14 20.8 +1.6, FWVZ Far West T-bar, 2.61 24, P, 04 14 19.5 0.0, TUVZ Tukino, 2.63 25, P, 04 14 17.1 +2.2, NGZ Ngauruhoe, 2.70 24, P, 04 14 21.5 +0.6, DWHZ Danverskie, 2.75 20, P, 04 14 22.4 +0.6, WTVZ West Tongariro, 2.75 23, P, 04 14 22.1 0.0, KAHZ Kahuranaki, 2.75 48, P, 04 14 18.2 +1.7, KRVZ Kawarewara, 2.79 24, P, 04 14 24.3 +1.9, KWHZ Kaweka Forest, 2.80 38, P, 04 14 25.8 -0.8, RITZ Rihia Road, 2.96 26, P, 04 14 28.1 -1.3, PAHZ Paekapa, 3.03 63, P, 04 14 28.2 +0.0, BKZ Black Stump Fm, 3.04 36, P, 04 14 28.4 -1.4, RPZ Rata Peaks, 3.10 227, P, 04 14 30.4 -2.0, WATZ Wairara, 3.17 22, P, 04 14 30.8 +1.9, HIZ Haurangi, 3.18 9, P, 04 14 26.0 -3.0, TLZ Tolley Road, 3.18 18, P, 04 14 35.6 +1.4, PGLZ Glacier, 3.74 239, P, 04 14 38.7 +0.1, MKAZ Moumakai, 4.61 10, P, 04 14 50.3 -3.0, JCZ Jackson Bay, 4.66 237, P, 04 14 49.5 -4.7, RVVZ Riverhead Bore, 4.89 4, P, 04 14 47.9 +2.2, WKZ Wanaka, 4.94 228, P, 04 14 49.2 +2.7, IDC 25 04:25:57.2, 0.7, 28°16'39"S; 177°50'W, h0km, mb4.4/11, mb1.4/6/11, mb1mx3.4/3.3, mbtmp4.4/11, MS3.6/10, Ms1.3/6/10, ms1mx3.4/3.9, Error ellipse: s-maj=26.8km s-min=22.2km az=101.0, ISCJB 25 04:26:05.9, 0.3, 28°18'50"S; 177°33'W:0.08, h73km, mb4.3/31, Error ellipse: s-maj=11.7km s-min=7.0km az=33.0, NEIC 25 04:26:07.0, 1.8, 28°17'25"S; 177°31'W, h73km, mb4.5/27, Error ellipse: s-maj=20.8km s-min=10.9km az=97.0, ISC 25 04:27:02.0, 2.5, 28°24'S; 177°33'W:0.1, h73km, n84, c=1946/74, mb4.4/31, Kermadec Islands region, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, RAO Raoul Island, 0.43 200, Op, P, 04 26 19.9 +0.2, RAO Urewera, 10.32 203, P, 04 26 30.3 +1.4, URZ Urewera, 0.3m, 0.3s, baz=267, slow=5.0, SNR=8, S, 04 28 25.7 -6.6, URZ Urewera, 4.7nm, 0.3s, baz=198, slow=16, SNR=13, S, 04 30 22.9 -3.4, URZ Urewera, 10.32 203, ePn, P, 04 28 27.2 -4.7, URZ Quartz Range, 14.36 211, ePn, P, 04 29 27.4 +0.7, ONTCO One Taro, 15.66 291, ePn, P, 04 29 40.5 -3.0, DZM Mont Dzumac, 15.78 292, eP, P, 04 29 51.5 +3.9, DZM Mont Dzumac, 15.78 292, eLR, LR, 04 34 39.2, RAR Rarotonga, 17.96 89, LR, 04 35 06.4, MLZ Mavora Lakes, 19.93 210, eP, P, 04 30 31.8 -1.2, DCZ Deep Cove, 20.44 212, eP, P, 04 30 36.9 -1.6, TBI Tubuai, 25.95 84, eLR, LR, 04 37 43.5, TBI Tubuai, 25.95 84, eT, T, 04 58 08.8, PAE Paea, 28.10 73, eT, T, 05 00 45.5, PPT2 Papeete, 28.14 73, eLR, LR, 04 38 55.3, PPT2 Papeete, 28.14 73, eT, T, 05 00 50.4, PPT Papeete, 28.15 73, LR, 04 42 10.6, TVO Taravao, 28.32 73, eT, T, 05 01 02.5, VAH Vaihoo, 30.93 70, eT, T, 05 04 16.9, STKA Stephens Creek, 35.07 255, LR, 04 45 40.3, TAOE Nuku Hiva Isla, 40.51 68, eLR, LR, 04 44 21.8, AS31 Alice Springs, 43.43 265, eP, P, 04 34 01.9 -1.2, ASAR Alice Springs, 43.43 265, P, 04 34 01.1 +0.8, ASAR Alice Springs, 3.9nm, 0.8s, baz=114, slow=8.1, SNR=23, LR, 04 35 51.3 +0.8, ASAR Alice Springs, 1.1nm, 0.8s, baz=117, slow=3.6, SNR=3.5, LR, 04 35 12.3, WRI Warramunga Arr, 44.28 270, P, 04 34 10.7 +0.8, WRA Warramunga Arr, 44.28 270, P, 04 34 10.6 +0.8

MEX 25 03:50:56.1, 0.6, 16°62'N; 94°19'W, h94km, 7km, MD3.6, Oaxaca, Code Station Name, A° AZ° Phase ID, Time Res, h m s ISC, WRI Warramunga Arr, 44.28 270, P, 04 34 10.7 +0.8, WRA Warramunga Arr, 44.28 270, P, 04 34 10.6 +0.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like CASY Casey, QSPA South Pole Qui, MAW Mawson, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like ISCB, NEIC, ISD, ISG, ISN, ISW, ISX, ISY, ISZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like HHC Hu-ho-hao-te, HHD Harding Lake, HDB Harding Lake, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like NB2 NORSAR Subarar, NB200 NORSAR Array S, NOA NORSAR Array B, etc.

NIED 2504:37:00, 38:20N, 142:30E, h32km, Mw3.8 Best double couple: M5.95000x1014, 11.9x80.00000, d36.00000, ...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries like HONSHU, JIKH Ishinomaki, JIO Ouri, etc.

25d 7h

Table with columns: KLR, Kuf'dur, 13.55 329 LR, 04 45 28.0, etc. Includes stations like WAKE ISLAND Hy 27 29 124 T, WAKE ISLAND Hy 28.00 124 T, etc.

MEX 25 04:46:22.8.0.8,14:51N.94:33W,h17km,22km,MD3.7, Off coast of Chiapas

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like PCIG, TGIG, Matias Romero, Comitan, etc.

MEX 25 04:57:41.8-0.7,15:04N.97:26W,h17km,22km,MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like HUIG, Vista Hermosa, Tlapa, Matias Romero, etc.

ISK 25 05:00:27.6, 39.82N,30.50E, h6km, ML3.4/47
DDA 25 05:00:27.9, 39.83N,30.51E, h6km,1km, ML3.7
THE 25 05:00:29.5, 39.89N,30.56E, h0km,1km, ML2.8/2, Error ellipse: s-maj=5.3km s-min=1.4km az=92.0

ISC 25 05:00:28.3-0.9,39.82N.02:30.50E,0.02,h5km,6km, n84, c051/112, Turkey

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like BORA, Saricakaya, Es, Kirka- Seyitga, etc.

GEVY SAKARYA_Geys 0.68 347 i P Pg 05 00 41.7 +0.2

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like AUMIH, SAHE, Gediz, Uludag, etc.

SAHE Sakarya_HENDEK 1.06 14 i P Pg 05 00 48.1 -0.7

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like GEMT, HRT, KIBS, etc.

ORLT Orhanelli 1.26 281 PN Pg 05 00 51.9 -0.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like SHUT, SHAP, KAND, YICI, etc.

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Table with columns: LOD, Antok, KDNH, KLYV, BAGO, DCGA, KULA, KULA, ISP, BALB, CTXK, KULU, EDC, LADK, GONE, CTBY, CTYL, MRMT, KONT, KANT, SERE, DELI, KURC, RKY, ALN, etc.

UCR 25 05:07:58.1-6.9,11:36N.85:64W,h162km,90km,MW4.0, Nicaragua

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like GB1A, BUEV, ACOY, PLV, CEDE, ARN1, CNGN, ESPN, MATN, SRA1, ESTN, HDC, RCON, LCR2, EDLM, BRUZ, etc.

MEX 25 05:09:26.0-4.1,17:92N.103:21W,h8km,5km,MD3.7, Near coast of Michoacan

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like MMIG, EZSV, ZIIG, ARIG, etc.

ISC 25 05:13:50.4-5.3,1:86N,30:46W,h0km,mb3.5/3, mb1 3.7/3,mb1mx3.4/2,mbtmp3.5/3,MS3.5/6, Ms1 3.5/6, ms1mx3.1/4, Error ellipse: s-maj=203.8km s-min=34.3km az=175.0, Central Mid-Atlantic Ridge

ISC 25 05:48:18.2-3.6,5:61S:149:73E,h141km,35km,mb3.4/4, mb1 3.5/5,mb1mx3.2/26,mbtmp3.9/5, Error ellipse: s-maj=32.3km s-min=27.4km az=114.0, New Britain region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like H10N3, H10N2, H10N1, H10S3, H10S1, H10S2, BDFB, DBIC, TORO, TORP, LPAZ, BOS, BRTR, AKAS, TXAR, etc.

ISC 25 06:06:34.7-1.9,56:43S:26:75W,h0km,mb4.4/1, mb1 4.4/1,mb1mx3.7/15,mbtmp4.4/1,MS3.5/1,Ms1 3.4/1, ms1mx2.9/14, Error ellipse: s-maj=113.4km s-min=69.3km az=24.6

NEIC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like HOPE, HOPF, SNA, GSPA, BOS, H10S2, H10S3, H10S1, MNMC, etc.

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

ISC 25 06:06:42.8-0.9,56:56S:02:26.6W,0.2,h35km,n22, c208/15,mb4.6/5, South Sandwich Islands region

ISC 25 06:06:43.0-1.3,56:39S:26:43W,h56km,7km,mb4.5/5, Error ellipse: s-maj=21.3km s-min=11.9km az=211.0

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Table with columns: H10N1, H10N2, LPAZ, TOAO, TORO, TOA1, ARCES, EPGY, RIDG, SONA, SONM, SML, SML, ILAR, etc.

ISCJB 25 07:15:52.4-0.3,79:03N.0:03-1:15W,0:2-h10km, mb4.1/33,MS2.9/4, Error ellipse: s-maj=5.4km

IDC 25 07:15:54.0-0.7,79:24N.115:56W,h0km,mb3.9/12, mb1 4.1/16,mb1mx3.9/47,mbtmp3.9/16,ML3.8/4,MS3.0/4, Ms1 3.0/4,ms1mx2.5/44, Error ellipse: s-maj=23.1km s-min=13.3km az=110.0

OTT 25 07:15:54.0-0.7,79:21N.116:16W,h18km,ML4.5/8, 274km west from Isachsen, Nu

NEIC 25 07:15:54.6-2.0,79:07N.115:33W,h10km,mb4.0/53, Error ellipse: s-maj=13.2km s-min=7.2km az=189.0

ISC 25 07:15:54.5-0.5,78:39N.0:05-1:15W,0:05-h10km,n93, c25/2106,mb4.2/33,MS2.9/4, Queen Elizabeth Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res, ISC. Includes stations like RES, RES, RES, RES, RES, TULEG, CB31, etc.

KUKN Kuglukuk,NWT 11.17 179 PN Sn 07 18 35.4 +1.4

INK Inuvik 11.74 215 PN Sn 07 18 41.9 +0.3

INK Inuvik 0.4nm,0.3s,mbz=6.8,slow=20,SNR=8.0 Sn 07 20 45.2 -7.3

INK Inuvik 0.8nm,0.3s,mbz=255,slow=15,SNR=8.2 Sn 07 18 42.4 +0.7

INK Inuvik 11.74 215 eSn Sn 07 20 48.7 -3.7

INK Inuvik 11.74 215 PN Sn 07 18 42.0 +0.3

INK Inuvik 11.74 215 PN Sn 07 20 45.8 -6.7

INK Inuvik 11.74 215 Trac Sn 07 18 40.3

DHRN Dharmia Camp 12.02 188 PN Sn 07 18 46.4 +0.9

DHRN Dharmia Camp 12.02 188 SN Sn 07 20 56.4 -3.0

ILON Igloolik, Nuna 12.96 119 PN Sn 07 18 56.1 +1.4

ILON Igloolik, Nuna 12.96 119 SN Sn 07 18 56.1 +1.4

TOLK Toolik Lake Re 13.71 240 ePn Sn 07 19 08.2 +0.5

TOLK Toolik Lake Re 13.71 240 eSn Sn 07 19 35.5 -5.0

EPYK Eagle Plains 13.96 217 ePn Sn 07 19 11.3 -0.7

EPYK Eagle Plains 13.96 217 eSn Sn 07 19 49.2 +2.4

NOWN Norman Wells, 14.09 200 PN Sn 07 19 14.1 +0.4

NOWN Norman Wells, 14.09 200 SN Sn 07 21 43.7 -6.2

FYU Fort Yukon 14.92 231 ePn Pn 07 19 26.3 +1.2

COLD Coldfoot 15.09 239 eSn Sn 07 19 28.3 +1.0

COLD Coldfoot 15.09 239 ePn Sn 07 22 11.8 -2.5

PRP Porcupine Dome 15.94 230 eSn Sn 07 19 38.5 -0.1

EGAK Eagle 16.04 222 ePn Pn 07 19 41.0 +1.3

EGAK Eagle 16.04 222 eSn Sn 07 22 38.8 +1.5

EDZO Edzo 16.29 181 PN Sn 07 19 43.1 +0.1

YKWS Yellowknife Ar 16.46 179 ePn Pn 07 19 45.8 +0.7

YKWS Yellowknife Ar 16.46 179 eSn Sn 07 19 46.9 +1.8

YKWS Yellowknife Ar 16.46 179 SN Sn 07 19 47.0 -0.8

YKWS Yellowknife Ar 16.46 179 PN Sn 07 22 40.5 -7.0

YKWS Yellowknife Ar 16.46 179 Trac Sn 07 22 56.5

DAWY Dawson 16.50 219 ePn Pn 07 19 45.8 +0.1

YKA Yellowknife Ar 16.53 179 PN Sn 07 19 44.1 -1.9

YKA Yellowknife Ar 16.53 179 SN Sn 07 22 39.5 -1.0

RDOG Red Dog Mine 16.61 256 ePn Sn 07 19 46.5 -0.6

ILAR Eielson Array 16.85 231 P P 07 19 54.2 +2.1

ILB Eielson Array 16.85 231 eP P 07 19 52.2 +0.1

COLA College 16.90 232 eP P 07 19 54.5 +1.9

CCB Clear Creek Bu 17.10 232 eP P 07 19 55.5 +0.6

CCB Clear Creek Bu 17.10 232 eSn Sn 07 23 06.5 +3.4

HDA Harding Lake 17.20 230 eP P 07 19 57.9 +1.9

WRH Wood River Hill 17.31 232 eP P 07 19 57.7 +0.5

DOT Dot Lake 17.51 225 eP P 07 20 00.9 +1.5

RIDG Independent Ri 17.53 227 eP P 07 20 01.4 +1.7

BPWA Bear Paw Mtn. 18.11 235 eP P 07 20 08.8 +2.8

MCK McKinley 18.14 232 ePn Pn 07 20 05.4 -0.6

KTH Kantishna Hill 18.21 235 eP P 07 20 13.8 +1.9

CAST Castle Rocks 18.26 236 eP Pn 07 20 15.9 +0.3

WHY Whitehorse 19.33 210 eP P 07 20 21.4 +0.7

PPLA Purkeypile 19.43 236 eP P 07 20 21.8 -0.1

HMT Haines Junction 19.44 214 eP P 07 20 21.7 +0.9

SYL Sillitoe 19.87 229 eP Pn 07 20 26.8 -0.2

GHO Glory Hole Cre 19.99 230 eP P 07 20 29.0 +0.6

PMR Palmer 20.20 230 eP Pn 07 20 31.1 +0.4

FRB Froisher Bay 20.35 111 LR 07 28 12.0

SKAG Skagway 20.56 210 eP P 07 20 34.5 +1.7

SUA Sutinna One 20.56 232 eP P 07 20 34.4 +1.4

RCO1 Rabbit Creek A 20.77 231 eP P 07 20 35.3 +0.2

25d 9h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BNSI Bone, UGM Wanagama, SOEI Soe, etc.

JMA 25 09:12:49.9,23 11N:121.39E,h0km,M3.4
ISCJB 25 09:12:51.2,0.3,23.09N:0.01:121.29E:0.01,h12km,2km,
Error ellipse: s-maj=2.4km s-min=1.7km az=42.1

Main table of station data for 25d 9h, including stations like CHKT Chengkung, ELDTW Lidau, TWF1 Yuli, etc.

2013 JUL

Main table of station data for 2013 JUL, including stations like WJWS Zhushan, CHY Chiayi, WJWS Wujia, etc.

1354

Table of station data for 1354, including stations like TWE Neicheng, SBCB Hsinchu, VCHM Oimei, etc.

IDC 25 09:27:31.5:0.9,12.05N:143.33E,h0km,mb3.8/6,
mb1 4.0/7,mb1mx3.6/5.1,mbtmp3.8/7,ML3.0/2,
Ms1 3.0/2,ms1mx2.5/3.3,Error ellipse: s-maj=35.8km
s-min=18.6km az=116.0

Table of station data for 1354, including stations like GUMO Guam, H1N1 WAKE ISLAND, H1N2 WAKE ISLAND, etc.

MEX 25 09:29:16.0:0.7,15:80N:97:34W,h9km,5km,MD3.6,Near
coast of Oaxaca
Code Station Name Az Az2 Phase ID Time Res ISC h m s ISC

ISN 25 09:30:48.7:1.5,33:60N:47:33E,h14km,8km,ML3.6
TEH 25 09:30:52.2,33:61N:47:46E,h12km,ML3.5
TIP 25 09:30:53.0,33:58N:47:51E,h14km,ML3.5
ISC 25 09:30:50.2:1.5,33:52N:0:04:47:34E:0:03,h9km,12km,
n36,c165/41,Western Iran
Code Station Name Az Az2 Phase ID Time Res ISC h m s ISC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IKMR Kamar-syah, IGHG Ghalgehagh, IBZA Bozab, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUEV Buena Vista, BUEV Borinquen Arri, ARES1 Arenal 1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TORO Torodi Ar. Bea, SJA 25 09:49:37.3, etc.

WEL 25 09:32:43.2, 41.75:1.0, 174.2E:0.8, h10km, 2km, M3.7/28, ML4.0/21, MLV3.7/23, Error ellipse: s-maj=0.0km

WEL 25 09:48:06.1, 41.75:0.9, 174.3E:0.8, h11km, 2km, M4.0/31, ML4.3/19, MLV4.0/31, Error ellipse: s-maj=0.0km

WEL 25 09:48:06.1, 41.75:0.9, 174.3E:0.8, h11km, 2km, M4.0/31, ML4.3/19, MLV4.0/31, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUEV Buena Vista, BUEV Borinquen Arri, ARES1 Arenal 1, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TORO Torodi Ar. Bea, SJA 25 09:49:37.3, etc.

Table with columns: TXAR, Lajitas Array, 20.50 324 P, Pn, 10 33 30.0+0.8

MAN 25 10:51:23.0, 7.39N, 124.84E, h1km, mb5.6, ML4.6, MS4.9
MAN INTENSITY IV - CARMEN NORTH COTABATO:
INTENSITY III - DANGCAGAN BUKIDNON; & MATALAM
NORTH COTABATO; INTENSITY II - KIDAPAWAN;

Table with columns: GYA, Prapat, 26.37 261 LR, LR, 11 10 59.0

IDC 25 10:42:40.7, 3.9, 6:37S, 149:35E, h28km, 26km, mb4.1/11,
mb1.4/4/13, mb1mx4.2/28, mbimp4.3/13, ML4.7/1, MS3.8/6,
Ms1.3/8.6, ms1mx3.5/30, Error ellipse: s-maj=24.7km, s-
s-min=14.2km az=98.0

ISCJB 25 10:42:41.9, 0.3, 6:40S:0.04, 149:18E:0.07, h53km,
mb4.5/21, MS3.9/6, Error ellipse: s-maj=10.5km,
s-min=5.1km az=21.5

Table with columns: CMAR, Chiang Mai Arr, 27.64 296 P, P, 10 57 12.0 -1.2

Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res

Code Station Name Az AzZ Phase ID Time Res

Main table of seismic data, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res

Main table of seismic data, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res

Main table of seismic data, columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like KDJ, NRN, MA2, ZALV, KURK, BRVK, etc.

NSSC 25 10:54:24.0-3.0, 33.68N-35.67E, h31km, 5km, MD1.0, ML1.9

GRAL 25 10:54:25.3-0.3, 33.78N-35.76E, h4km, 6km, MD2.8

ISC 25 10:54:24.2-1.2, 33.78N-0.03-35.70E, h0km, 0.05, h14km, 11km, n8, e0935/13, Jordan-Syria region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BHL, DQRL, QRWL, RCY, etc.

MAN 25 11:03:08.3, 7.19N-125.12E, h37km, mb3.9, ML2.7, MS2.3, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BUKP, MUSUAN, etc.

MEX 25 11:04:37.5-0.7, 16.13N-98.99W, h26km, 10km, MD3.7, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like ACP2, TLIG, CAIG, VHO, etc.

IDC 25 11:05:56.9-1.2, 6.99N-124.72E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/46, mbtmp3.8/8, MS3.2/1, Ms1 3.0/1, ms1mx2.4/35, Error ellipse: s-maj=27.5km s-min=14.0km az=33.0

ISC 25 11:05:57.4-1.2, 6.99N-124.83E, h8km, mb5.3, ML4.3, MS4.4

MAN INTENSITY III - CARMEN AND KABACAN NORTH COTABATO: INTENSITY II - MATALAM NORTH COTABATO

ISCJBJ 25 11:05:58.7-0.6, 7.31N-102.04-124.86E, h0.06, h26km, mb3.4/4, Error ellipse: s-maj=8.7km s-min=5.5km az=150.7

ISC 25 11:06:00.4-0.8, 7.34N-102.04-124.89E, h0.05, h26km, n18, e271/22, mb3.5/4, 3C, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BUKP, DAV, SKMP, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like DCPH, SNPH, MSLP, etc.

MAN 25 11:08:40.1, 7.34N-125.13E, h30km, mb3.6, ML2.3, MS1.8, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BUKP, SKMP, CGP, etc.

MAN 25 11:13:26.0, 7.34N-124.91E, h6km, mb4.7, ML3.6, MS3.5, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BUKP, SKMP, CGP, etc.

MAN 25 11:14:14.5, 7.39N-125.17E, h31km, mb4.1, ML2.9, MS2.5, 1C, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like BUKP, SKMP, CGP, etc.

MAN 25 11:18:05.6, 7.07N-126.33E, h1km, mb4.1, ML2.8, MS2.5, Mindanao

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like DDMP, GSPH, SKMP, etc.

KRSC 25 11:33:54.5-1.8, 48.27N-156.38E, h40km, 26km, ML4.0, East of Kuril Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like SKR, PAJ, KAU, etc.

ISK 25 11:37:39.7, 39.60N-28.85E, h2km, ML1.9/5

DDA 25 11:37:40.9, 39.63N-28.86E, h7km, 3km, ML2.6

ISC 25 11:37:41.0-1.2, 39.65N-0.03-28.84E, h0.03, h7km, 11km, n12, e1002/18, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like DURS, TVSB, DEMI, etc.

MEX 25 11:50:00.6-0.6, 15.45N-95.67W, h7km, 7km, MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like HUIG, CMIG, DAV, etc.

MEX 25 11:50:20.5-1.1, 17.28N-97.83W, h58km, 10km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like PLIG, KARY, KLV, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like IMMV, ANKY, etc.

MAN 25 11:55:03.7-0.5, 35.35N-102.03-23.38E, h0.03, h72km, 4km, mb3.5/8, Error ellipse: s-maj=6.1km s-min=3.3km az=38.9

ATH 25 11:55:04.4, 35.36N-23.39E, h38km, 1km, ML3.2/12, Error ellipse: s-maj=2.7km s-min=0.9km az=227.0

THE 25 11:55:06.2, 35.40N-23.45E, h26km, ML3.1/19, Error ellipse: s-maj=2.4km s-min=0.5km az=46.0

ISC 25 11:55:04.2-0.9, 35.38N-102.04-23.39E, h0.04, h49km, 8km, n81, e1975/19, mb3.6/8, Crete

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, ISC. Includes stations like IMMV, ANKY, VAM, etc.

PRNS Prines Retymn 0.91 90 P Pn 11 55 21.3 +0.6

KTHA Kythira Island 0.92 343 P S 11 55 22.8 +1.9

KTHA Kythira Island 0.92 343 P S 11 55 22.8 +1.9

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KTHA Kythira Island 0.92 343 P S 11 55 22.8 +1.9

GRGR Grenville	12.44	64	eP	Pn	12 12 20.0	+2.6
MPR Mayaguez	12.71	27	ePn	Pn	12 12 17.4	-3.6
OBIP Obispoado Ponce	12.81	29	ePn	Pn	12 12 20.0	-2.2
AGP Aguadilla	12.88	26	ePn	Pn	12 12 23.3	+0.2
ACON Acopya	12.98	294	ePn	Pn	12 12 24.3	-0.1
AORP Arcediano Observ	13.00	28	ePn	Pn	12 12 22.1	+1.9
SJG San Juan	13.09	30	P	Pn	12 12 23.3	-2.5
comp=N,19nm,0.3s,baz=205,slow=12,SNR=26						
SJG				S	12 14 38.8	-1.2
baz=13,slow=22,SNR=3.0						
TOSP Speyside	13.15	69	eP	P	12 12 29.9	-0.9
GTBY Guantanamo Bay	13.17	352	ePn	Pn	12 12 27.7	+0.9
SVB Belmont	13.28	60	eP	Pn	12 12 26.9	-1.4
SVV Soufriere Volc	13.34	60	eP	Pn	12 12 27.9	-1.0
SSV Crater Summit	13.36	60	ePn	Pn	12 12 28.6	-0.8
Canovanas	13.40	27	ePn	Pn	12 12 27.2	-2.0
St Vincent	13.38	60	ePn	Pn	12 12 29.4	0.0
CUPR Culebra, Puert	13.71	33	ePn	Pn	12 12 32.3	-1.3
SLB Belford	13.73	59	eP	Pn	12 12 34.7	+0.7
MCLT Moule a Chique	13.76	59	ePn	Pn	12 12 37.9	+0.3
MCLT Moule a Chique	13.76	59	ePn	Pn	12 12 36.7	-0.9
SLBI Saint Lucia, B	13.88	58	ePn	Pn	12 12 35.4	-0.5
BIM Bigot	14.05	56	eP	Pn	12 12 38.4	+0.3
TRMF Trois Ilets	14.08	56	eP	P	12 12 41.6	+0.5
PCM Pelee Case Pet	14.10	55	eP	P	12 12 44.5	+3.1
fdf Fort de France	14.10	55	ePn	Pn	12 12 37.7	-0.9
fdf Fort de France	14.10	55	ePn	Pn	12 12 38.6	+0.1
fdf Fort de France	14.10	55	ePn	Pn	12 12 41.1	+0.1
ZAM Aeronautique	14.11	56	eP	P	12 12 45.7	+4.1
GBMF Grand Be	14.12	55	eP	P	12 12 41.3	-0.5
CXM Morne La Croix	14.13	55	eP	Pn	12 12 39.6	+0.5
LPMP Morne Lapointe	14.17	56	eP	Pn	12 12 42.6	+0.5
MPOI Morne Pois Mar	14.19	57	ePn	Pn	12 12 40.6	+0.9
MDPO Dominica; Chan	14.33	52	eP	Pn	12 12 41.7	+0.2
MDPO Dominica; Chan	14.33	52	eP	Pn	12 12 44.9	+1.0
CBCY The Bluff, Cay	14.38	334	eP	P	12 12 44.0	-0.4
SABA Saba	14.39	41	eP	P	12 12 42.5	+0.2
DWS Wesley	14.44	52	eP	Pn	12 12 42.9	+0.1
SEUS St. Eustatius	14.49	46	eP	Pn	12 12 43.3	+0.3
MLYT Lee's Yard	14.49	46	eP	Pn	12 12 42.7	-0.8
SKI Saint Kitts	14.52	43	eP	Pn	12 12 44.1	+0.2
MAGL Barre de l'ile	14.68	51	eP	Pn	12 12 47.4	-0.5
FSCY Frank Sound, G	14.70	328	ePn	Pn	12 12 46.6	+0.5
GBGH Gun Hill	14.71	64	eP	Pn	12 12 38.9	-7.4
GRTK Grand Turk	14.72	33	eP	Pn	12 12 45.3	+1.0
BBSP Saint Philip	14.79	64	eP	Pn	12 12 53.5	+4.4
SMRT St. Maarten	14.82	40	ePn	Pn	12 12 46.9	-0.7
SMRT St. Maarten	14.82	40	eP	Pn	12 12 49.0	-0.4
ABD La Joyeuse, An	14.85	49	ePn	Pn	12 12 48.6	+0.7
ATAH Atahualpa	14.85	201	P	P	12 12 49.3	+0.8
comp=N,4.7nm,0.3s,baz=75,slow=7.8,SNR=9.5						
ATAH				S	12 15 40.4	+1.1
comp=N,0.4nm,0.3s,baz=191,slow=18,SNR=4.6						
BPA Boggy Peak	14.95	46	eP	P	12 12 51.9	+1.1
PTGA Pitinga	15.08	119	P	P	12 12 50.1	-0.8
comp=N,1.1nm,0.3s,baz=297,slow=14,SNR=20						
PTGA Pitinga	15.08	119	eP	Pn	12 12 49.9	-0.9
ANWB Willy Bob	15.41	45	ePn	Pn	12 12 54.3	-0.5
comp=N,22nm,0.8s						
ANWB Willy Bob	15.41	45	ePn	Pn	12 12 54.0	-0.8
PAYG Puerto Ayora	18.72	247	eP	P	12 13 32.2	-0.2
comp=N,44nm,0.8s						
APG El Apazote	18.90	297	P	P	12 13 34.5	0.0
comp=N,1.3nm,0.3s,baz=130,slow=6.2,SNR=34						
NNA Nana	19.06	191	P	P	12 13 36.5	+0.5
comp=N,1.6nm,0.3s,baz=355,slow=8.5,SNR=7.7						
NNA				S	12 17 07.1	+3.1
comp=N,1.7nm,0.3s,baz=142,slow=18,SNR=2.3						
NNA				P	12 13 34.6	-1.4
TEIG Tepich	19.87	314	P	P	12 13 46.3	+1.6
comp=N,9.9nm,0.3s,baz=137,slow=7.9,SNR=54						
TEIG Tepich	19.87	314	eP	Pn	12 13 46.5	-1.5
061Z Ochoppi	20.36	339	P	P	12 13 51.1	+1.3
baz=157						
MDP Montagnes des	20.39	94	P	Pn	12 13 52.9	-1.5
comp=N,25nm,0.9s,baz=284,slow=13,SNR=6.1						
MDP				P	12 14 16.9	-1.3
baz=151						
060Z West Palm Beac	20.74	341	P	P	12 13 55.4	+1.5
CCIG Comitan	20.89	298	eP	P	12 13 56.3	+0.5
comp=N,50nm,0.7s						
957A Wimauma	22.48	338	P	P	12 14 13.4	+1.5
baz=156						
LPAZ La Paz	23.48	168	P	P	12 14 22.4	+0.6
comp=N,6.1nm,0.7s,baz=360,slow=9.9,SNR=22						
LPAZ La Paz	23.48	168	eP	P	12 14 20.8	-1.1
comp=N,9.3nm,0.9s						
CMIG Matias R	23.62	298	P	P	12 14 19.9	-2.6
comp=N,5.2nm,0.5s,baz=128,slow=7.0,SNR=9.3						
CMIG				LR	12 24 53.0	
comp=N,133nm,18.6s,baz=116,slow=39						
658A Bunnell	23.76	342	P	P	12 14 24.9	+1.3
baz=159						
657A Interlachen	24.11	341	P	P	12 14 28.4	+1.7
baz=158						
656A Willston	24.13	339	eP	P	12 14 26.9	-0.1
comp=N,53nm,1.1s						
656A Willston	24.13	339	P	P	12 14 28.9	+1.9
baz=156						
557A Orange Park	24.46	342	P	P	12 14 32.2	+2.2
baz=159						
556A Lake Butler	24.67	340	P	P	12 14 33.6	+1.8
baz=157						
555A McAlpin	24.97	339	P	P	12 14 36.0	+1.4
baz=156						
455A Stateville	25.56	340	P	P	12 14 42.1	+2.3
baz=157						
45VA San Ignacio	25.60	152	P	P	12 14 39.9	-0.5
comp=N,7.0nm,0.8s,baz=336,slow=9.0,SNR=32						
357A Townsend	25.71	343	P	P	12 14 42.6	+1.4
baz=151						
454A Outman	25.75	339	P	P	12 14 43.6	+2.1
baz=155						
MNMC Minye Minye	26.02	172	eP	P	12 14 43.1	-1.3
comp=N,5.5nm,1.0s						
453A Whigham	26.12	338	P	P	12 14 47.7	+2.7
baz=154						
TIGA Tifton	26.39	339	P	P	12 14 48.8	+1.5
baz=156						
452A Marianna	26.46	336	P	P	12 14 49.9	+1.9
baz=152						
353A Camilla	26.53	338	P	P	12 14 50.4	+1.8
baz=155						
GO01 Chusmiza	26.60	172	eP	P	12 14 48.6	-1.3
comp=N,11nm,1.0s						
254A Abbeville	26.75	340	P	P	12 14 52.9	+2.3
baz=157						
352A Blakely	26.92	337	P	P	12 14 54.4	+2.4
baz=150						
253A Americus	27.14	339	P	P	12 14 56.0	+2.0
baz=155						
449A Pace	27.25	333	P	P	12 14 56.6	+1.5
baz=148						
252A Bowman	27.27	346	P	P	12 14 57.1	+1.9
baz=163						
257A Lumpkin	27.30	338	P	P	12 14 57.7	+2.2
baz=154						
Y59A Loris	27.56	350	P	P	12 14 59.9	+2.2
baz=167						
Y58A Scranton	27.63	348	eP	P	12 14 59.5	+1.1
comp=N,47nm,0.4s						
Y58A Scranton	27.63	348	P	P	12 15 00.7	+2.3
baz=158						
251A Midway	27.65	337	P	P	12 15 00.3	+1.8
baz=153,SNR=9.8						
349A Repton	27.75	333	P	P	12 15 01.5	+2.0
baz=149						
254A Sparta	28.00	342	P	P	12 15 01.7	+1.8
baz=159						
250A Grady	27.89	336	P	P	12 15 02.8	+2.0
baz=151						
152A Waverly Hall	27.90	339	P	P	12 15 03.4	+2.5
baz=155,SNR=13						
151A Opelika	28.00	343	P	P	12 15 03.8	+2.1
baz=153						
253A Monticello	28.07	341	P	P	12 15 04.2	+1.9
baz=157,SNR=5.5						
GOGA Godfrey	28.16	341	P	P	12 15 04.9	+1.9
baz=158						
Y55A Saluda	28.18	344	P	P	12 15 05.0	+1.7
baz=161,SNR=9.2						
X58A Rowland	28.19	349	P	P	12 15 05.6	+2.3
baz=167						
249A Camden	28.25	334	P	P	12 15 05.7	+1.8
baz=149						
Z52A Williamson	28.27	340	P	P	12 15 06.5	+2.4
baz=156,SNR=7.4						
Y54A Tignall	28.34	343	P	P	12 15 06.7	+2.1
baz=164						
150A Eclectic	28.34	337	P	P	12 15 06.6	+1.9
baz=152						
J5C Jenkinsville	28.35	346	eP	P	12 15 04.5	-0.3
comp=N,33nm,0.7s						
X56A White Oak	28.50	346	P	P	12 15 08.1	+2.0
baz=163						
Y53A Monroe	28.60	342	P	P	12 15 09.2	+2.2
baz=158						
X55A Gracelyn & Ava	28.62	345	P	P	12 15 09.4	+2.2
baz=162						
149A Jones	28.65	335	P	P	12 15 09.6	+2.2
baz=151,SNR=5.6						
Z51A Fralin	28.65	339	P	P	12 15 09.7	+2.3
baz=154,SNR=8.3						
Y52A Lilburn	28.76	341	eP	P	12 15 08.7	+0.3
comp=N,9.9nm,0.6s						
Y52A Lilburn	28.76	341	P	P	12 15 10.6	+2.2
baz=157						
Z50A Ashland	28.88	337	eP	P	12 15 10.8	+1.3
comp=N,30nm,0.8s						
Z50A Ashland	28.88	337	P	P	12 15 11.9	+2.4
baz=153,SNR=22						
W57A Gilead	29.08	348	P	P	12 15 11.5	+1.9
baz=166						
W56A Indian Trail	29.01	347	P	P	12 15 12.8	+2.1
baz=164						
Z49A Columiana	29.06	336	P	P	12 15 13.5	+2.4
baz=152,SNR=21						
LRAL Lakeview Retre	29.11	335	eP	P	12 15 12.1	+0.6
comp=N,15nm,0.8s						
LRAL Lakeview Retre	29.11	335	P	P	12 15 13.8	+2.3
baz=151,SNR=9.4						
X53A Estanollee	29.12	342	P	P	12 15 13.4	+1.8
baz=159						
Y51A Smart	29.14	339	P	P	12 15 13.6	+1.8
baz=155						
KM5C Kings Mountain	29.19	346	P	P	12 15 14.0	+1.8
baz=163						
V59A Middlesex	29.19	351	P	P	12 15 14.3	+2.1
baz=161						
147A Livingston	29.35	333	P	P	12 15 15.7	+2.1
baz=148						
W54A Cherokee Point	29.35	345	P	P	12 15 15.1	+1.5
baz=154						
V58A Windy Hill, Pi	29.36	350	P	P	12 15 15.3	+1.7
baz=168						

25d 12h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ACSO Alum Creek Sta, O50A Cable, U40A Yellville, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like H52A Wyevale, K43A Burlington, PLVO Plevna, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like N23A Red Feather La, WUAZ Wupatki, AGMZ Agassiz Nation, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like L02E Cave Junction, K02D Willamette Mer, J01E Myrtle Point, etc.

JMA 25 12:44:05.9,37:12N:140:70E,h7km,1km,M1.8,Eastern Honshu

Code Station Name Az AZ Phase ID Time Res. Includes stations like ONAJ Iwakimizuishiy, JFDF Fukushimafurud, etc.

ISCJB 25 12:44:07.0,5,37:11N:0:03:140:73E,0:04,h4km,4km,mb3.7/2,MS3.1/2,Error ellipse: s-maj=5.8km s-min=5.0km az=143.2

JMA 25 12:44:08.0,37:12N:140:70E,h7km,1km,M3.0 JMA Felt J1. IDC 25 12:44:11.3,3,31,36:75N:140:38E,h0km,mb3.5/2,mb1.3/3,m1mx3.2/53,mbtmpt3.5/3,MS3.2/2,M51.3/2,ms1mx2.4/39,Error ellipse: s-maj=65.4km s-min=32.0km az=44.0

ISC 25 12:44:08.0,1,0,37:11N:0:03:140:70E,0:03,h3km,9km,n22,0970/21,Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ Iwakimizuishiy, JFDF Fukushimafurud, etc.

MAN 25 12:45:00.4,7:55N:124:89E,h30km,mb3.9,ML2.6,MS2.1, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUKP Musuan, SKMP Bagumbayan, etc.

MEX 25 13:19:57.2,0:7,16:98N:100:33W,h5km,MD3.5,Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CAIG El Cayaco, MEIG Mezcala, etc.

BUI 25 13:25:33.6,0,0,27:97S:177:52W,h91km,mb5.3/36,mb5.5/24

NEIC 25 13:25:35.3,2,2,28:36S:177:84W,h92km,3km,mb5.0/82,Error ellipse: s-maj=16.5km s-min=10.0km az=114.0

ISCJB 25 13:25:35.4,0,1,28:49S:0:02:177:93W,0:04,h100km,mb4.9/67,Error ellipse: s-maj=5.2km s-min=2.3km az=24.5

MOS 25 13:25:36.6,1,4,28:38S:177:91W,h112km,mb5.2/18,Error ellipse: s-maj=13.9km s-min=13.0km az=88.5

IDC 25 13:25:42.2,1,8,28:15S:178:00W,h146km,18km,mb4.4/17,mb1.4/18,mb1mx4.6/21,mbtmpt3.1/18,MS3.5/6,M51.3.5/6,ms1mx3.2/50,Error ellipse: s-maj=15.6km s-min=13.7km az=130.0

GCMT 25 13:25:44.3,0,2,28:17S:0:02:177:85W,0:02,h145km,1km,MW5.1/98,Moment Tensor Solution. s64,c77; s98,c151; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=2.60±.14; Mw=2.64±.21; Mws=2.24±.20; Mw<3.01±.12; Mw>2.80±.17; Mw>2.04±.12; Best double couple: Mw=4.47000±0.1016 NP1%±20.00000°; δ68.00000°, γ=37.00000°. NP2%±126.00000°, δ56.00000°, γ=153.00000°. Principal axes: T=6.2720, P1g8.0000°, Azm75.0000°; N=0.3500, P2g8.0000°, Azm173.0000°; P=6.6220, P41.0000°, Azm338.0000°. nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment rate function

ISC 25 13:25:36.3,0,3,28:46S:0:04:177:82W,0:06,h100km,n520,0153/530,mb5.6/167,39C-16D,Kermadec Islands region

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CNGZ Carnagh Statio, MWZ Matawai, etc.

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MCHZ McNeill Hill, KAHZ Kahurangi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TRWZ Traveller, PAWZ Pahiwai Farm, etc.

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

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

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

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

MAN 25 12:15:58.6,7:39N:124:87E,h3km,mb4.4,ML3.2,MS3.0, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUKP Musuan, SKMP Bagumbayan, etc.

MAN 25 12:20:40.7,7:45N:124:81E,h10km,mb4.3,ML3.1,MS2.8,1C,Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUKP Musuan, SKMP Bagumbayan, etc.

25d 13h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like FORT Forrest, GENI Genyem, WRKA Warakina, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like N02D Trinity Center, O03E Paynes Creek, IRM Iron Mountain, etc.

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Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like SDCO Great Sand Dun, BW06 Boulder Array, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include STKA Stephens Creek, WRA Warrungarra Arr, ASAR Alice Springs.

JMA 25 15:01:17.8:0.3, 32.41N:137.38E, h436km, M3.4
ISCJB 25 15:01:19.6:0.6, 32.61N:137.21E, h415km, M3.0, mb3.3/7, Error ellipse: s-maj=10.3km s-min=8.2km az=137.4

IDC 25 15:01:21.1:0.7, 32.74N:137.21E, h415km, M3.0, mb1.2/9.14, mb1mx2.8/4.7, mbtmp3.7/14, Error ellipse: s-maj=23.9km s-min=12.4km az=72.0

ISC 25 15:01:20.7:0.9, 32.70N:137.09E, h400km, n30, a=182/37, mb3.3/7, Southeast of Honshu

Main table for 1365, listing stations like HJH Hachijo jima 2, JMK Mikurajimanih, JNY Ymagatataniai, etc.

NSAL 25 15:27:17.3:0.3, 33.87N:35.71E, h7km, M3.0, MD1.0, ML1.8
GRAL 25 15:27:19.8:0.3, 33.78N:35.79E, h0km, M2.1km, MD2.7

ISC 25 15:27:17.3:1.1, 33.77N:35.68E, h25km, 7km, n9, a=68/16, Jordan-Syria region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DORL Deir Qamar, BHL Bhannes, BEYL Beirut, etc.

ISK 25 15:28:27.8, 39.82N:35.26E, h15km, ML2.0/4
ISCJB 25 15:28:28.7:1.0, 39.80N:35.26E, h10km, M3.0, mb1.0/1.1, h10km, gkm, Error ellipse: s-maj=16.7km s-min=7.3km az=156.7

DDA 25 15:28:28.6, 39.79N:35.15E, h7km, M3.0, ML2.5
ISC 25 15:28:28.4:1.2, 39.81N:35.19E, h13km, 11km, n9, a=28/12, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include YOZ Yozgat, COAL Corum-Alaca, SIRC Yozgat, etc.

MAN 25 15:52:30.8, 7.38N:124.76E, h23km, mb4.1, ML2.9, MS2.5, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BUKP Musuan, SKMP Bagumbayan, Su, CGP Cagayan de Oro, etc.

MAN 25 15:54:06.9, 7.43N:124.36E, h15km, mb4.0, ML2.7, MS2.3, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BUKP Musuan, SKMP Bagumbayan, Su, CGP Cagayan de Oro, etc.

MAN 25 16:01:44.3, 7.42N:124.36E, h32km, mb3.9, ML2.7, MS2.3, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include BUKP Musuan, SKMP Bagumbayan, Su, CGP Cagayan de Oro, etc.

IDC 25 16:08:12.0:1.2, 36.34N:7.36E, h0km, mb3.3/5, mb1.3/6.7, mb1mx3.3/4.7, mbtmp3.5/7, ML5.0/1, MS2.8/2, Mst 1.2/8.2, ms 1mx2.3/3.2, Error ellipse: s-maj=23.3km s-min=14.2km az=140.0

CRAAG 25 16:08:12.2, 36.42N:7.33E, M3.7
ISCJB 25 16:08:14.3:0.6, 36.73N:0.03:7.41E:0.04, h27km, 6km, mb3.5/3, Error ellipse: s-maj=6.3km s-min=4.4km az=44.0

TUN 25 16:08:16.7, 36.54N:7.59E, h22km, 4km, MD3.5
LDG 25 16:08:17.6:0.1, 36.63N:7.60E, h20km, M3.6/19, Error ellipse: s-maj=3.6km s-min=2.4km az=46.0

ISC 25 16:08:14.1:1.0, 36.55N:0.05:7.38E:0.04, h24km, 8km, n73, a=282/78, mb3.4/4, 1C-1D, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CMAH Djebel Manchou, ABSA Djebel Abasbia, CAEH Ain El Ouahch, etc.

FRF La Foret Royal SNR=1.0 7.03 356 ePn Pn 16 09 55.6 +0.1

SMRF Simiane la Rot SNR=1.0 7.55 350 ePn Pn 16 10 03.7 +1.1

MTLF Montlieu SNR=1.0 7.86 331 ePn Pn 16 10 07.2 +0.4

LASF 1.7nm,0.3s 7.99 341 ePn Pn 16 10 09.9 +1.3

MBDF Montbardon SNR=1.0 8.19 357 ePn Pn 16 10 11.3 -0.2

MBDF Montbardon SNR=1.0 8.19 357 ePn Pn 16 10 11.3 -0.2

EPF Esparrros 8.44 322 ePn Pn 16 10 17.8 +2.9

ORIF Oris-en-Rattie SNR=1.0 8.44 353 ePn Pn 16 10 15.8 +0.9

VIVF Saint-Julien SNR=1.0 8.55 347 ePn Pn 16 10 16.7 +0.3

ETSF Etseau SNR=1.0 8.81 319 ePn Pn 16 10 22.8 +2.9

LPGL La Plagne 8.96 357 ePn Pn 16 10 22.7 +0.5

LPL La Plagne 8.97 357 ePn Pn 16 10 23.0 +0.6

CAF Calviac 9.29 336 ePn Pn 16 10 28.0 +1.5

SJPF Ste Jean SNR=1.0 9.31 317 ePn Pn 16 10 28.9 +2.1

ESDC Seneca Array 9.47 293 Pn Pn 16 10 31.9 +2.9

LFJ Les Frestalet 9.78 331 ePn Pn 16 10 34.2 +1.1

RJF Les Rejaudoux 9.80 335 ePn Pn 16 10 34.5 +1.0

RJF Les Rejaudoux 9.80 335 ePn Pn 16 10 34.5 +1.0

SMF Signal de Mont 10.43 346 ePn Pn 16 10 41.6 -0.5

MDT Midelt 10.54 253 Pn Pn 16 10 44.2 +0.4

BGF Bois d'Angland 10.56 343 ePn Pn 16 10 44.6 +0.7

BGF Bois d'Angland 10.56 343 ePn Pn 16 10 44.6 +0.7

PMRV Marv'70 12.00 288 ePn Pn 16 11 08.4 +4.7

PAGF Fort de Pagny 12.06 355 ePn Pn 16 11 04.9 +0.5

MZVF Maizieres J'vi 12.07 353 ePn Pn 16 11 04.8 +0.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include POLO Lamas de Olo, GERES GERESS Array B, QUIF Quistinic, etc.

IDC 25 16:15:54.9:8.0, 36.69N:71.57E, h72km, 31km, mb3.6/4, mb1.3/6.1/1, mb1mx3.2/5.0, mbtmp3.9/11, Error ellipse: s-maj=115.3km s-min=27.7km az=156.0

ISCJB 25 16:15:57.0:0.5, 36.95N:0.05:71.39E:0.07, h106km, mb3.8/4, Error ellipse: s-maj=8.1km s-min=6.1km az=156.2

NNC 25 16:02:06.8:1.7, 37.29N:70.96E, h88km, 698km, mb3.6, mpv3.9, Error ellipse: s-maj=8.4km s-min=4.9km az=146.0

ISC 25 16:15:57.8:0.8, 36.97N:0.07:71.30E:0.06, h106km, n30, a=250/36, mb3.7/4, 2C-5D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include AML Malayshu, UCH Uchayoy, KZA Kyzart, EKS2 Ekin-Say, etc.

DMN Daman 8.1nm,0.4s 14.93 125 ePn Pn 16 19 23.9 -2.7

PKIN Pchulchoki 15.95 124 ePn Pn 16 19 26.6 +0.6

PKI Pchulchoki 15.16 124 ePn Pn 16 19 25.9 -0.7

JIRN Jiri 15.62 122 ePn Pn 16 19 31.4 -1.0

BVAR Borovoye Array 16.06 358 P P 16 19 39.3 +0.6

AKTO Aktau SNR=1.0 16.50 329 P P 16 19 45.7 +2.2

ZALV Zalesovo Beam 19.38 25 P P 16 19 15.7 +0.6

FINES FINESS Array B 37.25 326 P P 16 23 01.8 +3.2

ARCES ARCESS Array B 40.80 337 P P 16 23 31.6 +3.3

HFS Hagfors 42.85 322 P P 16 23 48.7 +3.7

NB2 NORSAR Subarra 44.15 323 P P 16 23 59.1 +3.5

NOA NORSAR Array B 44.15 323 P P 16 23 58.7 +3.2

ISCJB 25 16:18:49.4:0.9, 22.69S:0.05:68.71W:0.07, h111km, 10km, Error ellipse: s-maj=11.4km s-min=8.2km az=175.2

GUC 25 16:18:49.2:0.6, 22.67S:68.66W, h104km, 3km, ML3.6

SJA 25 16:18:49.1:0.4, 22.74S:68.69W, h103km, 2km, ML3.0, MW3.3

ISC 25 16:18:50.4:1.7, 22.69S:0.05:68.71W:0.06, h103km, 11km, n20, a=50/31, 8C-3D, Northern Chile

LVC Limon Verde 0.20 294 ePn Pn 16 19 05.0 -0.5

LVC Limon Verde 0.20 294 ePn Pn 16 19 05.0 -0.5

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 09.0 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

LB06 IPOC Station P 0.80 269 ePn Pn 16 19 08.9 -0.2

Table with columns: HEF, Hetta, 1.71, 36, Pn, Pn, 17 02 15.4 -0.9, etc. Includes stations like Hetta, Liltraesk, Kilpisjarvi, etc.

ISK 25 17:05:17.6, 38.96N, 43.87E, h3km, ML3.5/20
AZSP 25 17:05:17.7, 38.97N, 43.87E, h8km, Ms3.5
NZZ 25 17:05:18.3, 1.6, 38.88N, 43.81E, h6km, ml3.4/17, Error ellipse: s-maj=13.0km s-min=10.7km az=49.0

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

Table with columns: YOVA, Hakkari, Yksek, 1.42, 166, i, P, Pg, 17 05 46.1 +0.6, etc. Includes stations like YOVA, Hakkari, Yksek, etc.

ISK 25 17:12:21.5, 39.08N, 28.16E, h8km, ML2.2/17
DDA 25 17:12:21.7, 39.08N, 28.15E, h7km, 4km, ML2.8
ISCJB 25 17:12:22.1, 0.4, 39.08N, 0.02, 28.14E, 0.03, h10km, 4km, Error ellipse: s-maj=4.6km s-min=3.5km az=44.5

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

Table with columns: RKY, Sarkoy-Tekirda, 1.77, 336, PN, Pn, 17 12 53.2 +0.8, etc. Includes stations like RKY, Sarkoy-Tekirda, etc.

ISCJB 25 17:14:52.2, 0.5, 7.50S, 0.05, 128.69E, 0.07, h150km, mb3.8/8, Error ellipse: s-maj=10.2km s-min=6.4km az=11.4
IDD 25 17:14:54.1, 1.9, 7.53S, 128.64E, h151km, 19km, mb3.6/8, mb1.3/7.1, mb1mx3.4/3.6, mbtmp.4/1.1, Error ellipse: s-maj=18.8km s-min=13.6km az=83.0

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

ISCJB 25 17:17:28.9, 0.5, 10.89S, 0.06, 165.71E, 0.06, h35km, mb4.3/13, MS3.8/5, Error ellipse: s-maj=10.2km s-min=7.6km az=41.9
IDD 25 17:17:31.1, 3.6, 10.80S, 165.72E, h41km, 30km, mb4.1/10, mb1.4/3.12, mb1mx4.0/3.6, mbtmp.4/1.2, MS3.8/4, Ms1.3/8.4, ms1mx3.2/2.3, Error ellipse: s-maj=23.7km s-min=18.0km az=55.0

NEIC 25 17:17:32.9, 1.6, 10.92S, 165.67E, h57km, 10km, mb4.6/8, Error ellipse: s-maj=20.2km s-min=14.2km az=219.0

ISC 25 17:17:30.6, 0.7, 10.93S, 0.07, 165.78E, 0.08, h35km, n44, r152/33, mb4.2/13, MS3.9/5, Santa Cruz Islands

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

IDD 25 17:26:31.6, 1.2, 31.45S, 72.21W, h0km, mb3.9/5, mb1.4/0.10, mb1mx3.9/3.3, mbtmp3.8/1.0, ML3.6/4, MS3.9/1, Ms1.3/8.1, ms1mx2.9/2.5, Error ellipse: s-maj=32.4km s-min=25.3km az=29.0

25d 19h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like J01E Myrtle Point, FINES FINES Array B, LPSR Galich'ya Gora, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like SOC Stephens Creek, MSFE Esma-Masafi, BATM Batumi, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and other technical details. Includes stations like BORG Borgarnes, TPNV Topogh Spring, LRMC Laurel Mtn Rad, etc.

PGC 25 20:24:52.5±1.9, 51.48N, 130.90W, h0km, ML3.7/25, 205km West of Bella Bella, Bc Haida Gwaii Region, Queen Charlotte Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like HG4B, HG4E, HG3B, etc.

ISCJB 25 20:27:37.0±0.7, 31.111S, 0'07:179.6W, 0.1, h400km, mb3.3/3, Error ellipse: s-maj=16.2km s-min=8.7km az=19.7

ISC 25 20:27:40.9±17.0, 31.12S, 179.96E, h388km, 156km, mb3.1/3, mb1 3.2/3, mb1mx3.0/23, mb1tmp3.9/3, Error ellipse: s-maj=89.0km s-min=48.0km az=79.0

ISC 25 20:27:39.9±0.8, 31.23S, 0'09:179.7W, 0.1, h400km, n34, c±205/39, mb3.2/3, Kermadec Islands region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like GLKZ, MXZ, KUZ, etc.

ISC 25 20:57:19.0±10.0, 13.43N, 90.79W, h0km, mb3.6/2, mb1 4.1/3, mb1mx3.6/22, mbtmp3.6/3, ML3.8/1, Error ellipse: s-maj=349.7km s-min=121.8km az=31.0

GCG 25 20:57:30.5±0.3, 14.45N, 91.31W, h50km, MD4.2, ISC 25 20:57:30.5±2.8, 13.9N, 0'03:91.5W, 0.1, h35km, n7, c±1906/7, Near coast of Guatemala

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like STRG, FUG, PCG, etc.

MAN 25 21:06:21.1, 10.19N, 125.10E, h2km, mb3.9, ML2.7, MS2.3, 1C, Leyte

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like MSLP, PLP, OCLP, etc.

ISCJB 25 21:18:27.2±1.6, 3.3N, 0'2:67.2E, 0.3, h10km, mb3.5/6, MS3.2/5, Error ellipse: s-maj=50.7km s-min=22.4km az=146.1

IDC 25 21:18:27.5±1.8, 3.23N, 67.17E, h0km, mb3.5/6, mb1 3.7/6, mb1mx3.4/26, mbtmp3.5/6, MS3.2/5, Ms1 3.2/5, ms1mx3.0/24, Error ellipse: s-maj=61.8km s-min=29.8km az=55.0

ISC 25 21:18:28.8±1.8, 3.2N, 0'03:67.1E, 0.3, h10km, n17, c±058/7, mb3.6/6, MS3.2/5, Carlsberg Ridge

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like H08N2, H08N3, H08N1, etc.

MAN 25 21:25:45.9, 7.34N, 124.38E, h4km, mb3.8, ML2.6, MS2.1, Mindanao

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like BUKP, DDMF, PDMP, etc.

IDC 25 21:42:20.9±31.0, 22.39S, 173.17W, h0km, mb4.2/4, mb1 4.3/4, mb1mx3.8/36, mbtmp4.2/4, Error ellipse: s-maj=573.0km s-min=157km az=77.0

ISCJB 25 21:42:26.0±4.2, 21.96S, 0'07:173.5W, 0.7, h33km, mb5.2/24, Error ellipse: s-maj=12.8km s-min=6.5km az=138.7

NEIC 25 21:42:28.1±2.0, 22.01S, 173.81W, h36km, 6km, mb4.8/26, Error ellipse: s-maj=18.0km s-min=13.8km az=131.0

ISC 25 21:42:28.5±0.6, 21.97S, 0'10:173.7W, 0.09, h35km, n39, c±126/39, mb5.1/24, Tonga Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like NIUE, AFI, RAR, etc.

ISCJB 25 21:48:26.9±35.19N, 24.27E, h20km, 2km, ML2.5/3, Error ellipse: s-maj=2.4km s-min=1km az=158.0

ISCJB 25 21:48:27.4±0.6, 35.19N, 0'03:24.30E, 0.04, h8km, 7km, Error ellipse: s-maj=5.6km s-min=4.6km az=19.3

The 25 21:48:27.5±1.6, 35.18N, 24.26E, h10km, 1km, ML2.5/3, Error ellipse: s-maj=1.6km s-min=0.4km az=91.0

ISC 25 21:48:27.1±1.0, 35.19N, 0'03:24.28E, 0.03, h15km, 8km, n14, c±039/24, Crete

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

MAN 25 21:57:35.1, 10.35N, 125.12E, h27km, mb4.3, ML3.1, MS2.8, 1C, Leyte

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like MSLP, PLP, OCLP, etc.

ISCJB 25 21:45:04.2±0.6, 50.86S, 0'08:162.38E, 0.10, h10km, mb4.6/10, MS3.3/1, Error ellipse: s-maj=13.1km s-min=6.5km az=147.6

IDC 25 21:45:04.1±0.9, 50.99S, 162.33E, h0km, mb4.3/5, mb1 4.5/6, mb1mx4.2/23, mbtmp4.3/6, ML3.5/1, MS3.4/1, Ms1 3.3/1, ms1mx2.8/17, Error ellipse: s-maj=38.5km s-min=23.9km az=62.0

FOZ Fox Glacier 8.91 37 ePn Pn 21 47 16.0 +1.4

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

MAN 25 21:25:45.9, 7.34N, 124.38E, h4km, mb3.8, ML2.6, MS2.1, Mindanao

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like BUKP, DDMF, PDMP, etc.

IDC 25 21:42:20.9±31.0, 22.39S, 173.17W, h0km, mb4.2/4, mb1 4.3/4, mb1mx3.8/36, mbtmp4.2/4, Error ellipse: s-maj=573.0km s-min=157km az=77.0

ISCJB 25 21:42:26.0±4.2, 21.96S, 0'07:173.5W, 0.7, h33km, mb5.2/24, Error ellipse: s-maj=12.8km s-min=6.5km az=138.7

NEIC 25 21:42:28.1±2.0, 22.01S, 173.81W, h36km, 6km, mb4.8/26, Error ellipse: s-maj=18.0km s-min=13.8km az=131.0

ISC 25 21:42:28.5±0.6, 21.97S, 0'10:173.7W, 0.09, h35km, n39, c±126/39, mb5.1/24, Tonga Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like NIUE, AFI, RAR, etc.

ISCJB 25 21:48:26.9±35.19N, 24.27E, h20km, 2km, ML2.5/3, Error ellipse: s-maj=2.4km s-min=1km az=158.0

ISCJB 25 21:48:27.4±0.6, 35.19N, 0'03:24.30E, 0.04, h8km, 7km, Error ellipse: s-maj=5.6km s-min=4.6km az=19.3

The 25 21:48:27.5±1.6, 35.18N, 24.26E, h10km, 1km, ML2.5/3, Error ellipse: s-maj=1.6km s-min=0.4km az=91.0

ISC 25 21:48:27.1±1.0, 35.19N, 0'03:24.28E, 0.03, h15km, 8km, n14, c±039/24, Crete

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

MAN 25 21:57:35.1, 10.35N, 125.12E, h27km, mb4.3, ML3.1, MS2.8, 1C, Leyte

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res. Lists stations like MSLP, PLP, OCLP, etc.

ISCJB 25 21:45:04.2±0.6, 50.86S, 0'08:162.38E, 0.10, h10km, mb4.6/10, MS3.3/1, Error ellipse: s-maj=13.1km s-min=6.5km az=147.6

IDC 25 21:45:04.1±0.9, 50.99S, 162.33E, h0km, mb4.3/5, mb1 4.5/6, mb1mx4.2/23, mbtmp4.3/6, ML3.5/1, MS3.4/1, Ms1 3.3/1, ms1mx2.8/17, Error ellipse: s-maj=38.5km s-min=23.9km az=62.0

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VRI Vriociaia, SOKA Soboth, SOKA, OBKA Obir, KEST Kesra, etc.

ISCJB 25 22:48:42.0, 4.0, 63.235:0.05:169.5E:0.2, h10km, MS4.2/14, Error ellipse: s-maj=15.8km s-min=6.6km az=2.9

IDC 25 22:48:42.5, 0.9, 63.145:169.85E, h0km, mb4.0/4, mb1 4.2/5, mb1mx4.1/18, mbtmp4.1/5, ML3.0/1, MS4.2/13, Ms1 4.2/13, ms1mx4.2/14, Error ellipse: s-maj=48.7km s-min=22.8km az=67.0

NEIC 25 22:48:44.1, 1.8, 63.225:169.52E, h10km, 1km, mb4.8/20, Error ellipse: s-maj=21.0km s-min=13.3km az=98.0

GCMT 25 22:48:45.1, 0.3, 63.005:0.01:169.96E:0.05:175km, 2km, MW5.1/78, Moment Tensor Solution, s22:c22: 578.6107, Duration: 0. Moment tensor. Scale: 10^16Nm; Mw:0.84±.26; Mw0.49±.23; Mw-0.46±.18; Mw-2.78±.57; Mw0.74±.15; Mw-0.47±.43; Best double couple: Mw5.12600x10^16 NP1±219.00000±, 679.00000±, 1.160.00000±. NP2: 0±313.00000±, 870.00000±, 12.00000±. Principal axes: T 6.1070, Plg2.20000±, Azm175.0000±; N -1.9560, Plg67.0000±, Azm11.0000±; P -4.1450, Plg6.0000±, Azm267.0000±; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

ISC 25 22:48:44.1, 0.3, 63.245:0.07:169.6E:0.1, h10km, n63, az=077/35, MS4.2/14, Balleny Islands region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like SBA Scott Base, WHZ Wether Hill Ro, DCZ Deep Cove, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BOSA Boshof, H08S2 Diego Garcia, H08S1 Diego Garcia, etc.

WEL 25 22:54:19.6, 42.5, 171.274E:0.6, h15km, 2km, M3.3/22, ML3.6/15, MLV3.3/22, Error ellipse: s-maj=0.0km s-min=0.0km az=172.6, Cook Strait

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like CMWZ Cape Campbell, CMWZ Blackbirch Sta, BSWZ BSWZ, etc.

ISCJB 25 23:01:33.9, 0.2, 40.965:0.02:174.47E:0.03, h56km, mb4.1/3, Error ellipse: s-maj=3.9km s-min=2.6km az=36.9

IDC 25 23:01:34.4, 2.0, 40.735:174.45E, h6km, 1km, mb3.7/3, mb1 3.9/5, mb1mx3.7/25, mbtmp3.9/5, Error ellipse: s-maj=24.9km s-min=14.7km az=131.0

WEL 25 23:01:34.5, 41.5, 171.47E:0.6, h60km, 3km, ML4.2/39, ML4.5/30, MLV4.2/39, Error ellipse: s-maj=0.0km s-min=0.0km az=172.6

ISC 25 23:01:33.6, 0.7, 40.975:0.03:174.49E:0.03, h56km, n113, az=152/118, mb4.2/3, Cook Strait

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like TCW Tony Channel, DUYZ D'Urville Isla, CAW Cannon Point, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KHEZ Kahui Hut, WPHZ Waipukare, MTVZ Mangateitei, etc.

IDC 25 23:05:48.9, 0.7, 37.34N:26.97E, h0km, mb3.8/12, mb1 3.8/22, mb1mx3.7/52, mbtmp3.7/22, ML3.4/9, MS3.0/9, Ms1 3.9/9, ms1mx2.9/33, Error ellipse: s-maj=14.0km s-min=11.1km az=142.0

DDA 25 23:05:48.8, 37.39N:26.84E, h25km, 1km, ML4.1, ATH 25 23:05:49.6, 37.42N:26.90E, h27km, 1km, ML3.9/14, Error ellipse: s-maj=1.8km s-min=1.1km az=84.0

ISCJB 25 23:05:49.6, 0.3, 37.43N:0.01:26.88E:0.01, h10km, 2km, mb3.7/12, MS3.0/4, Error ellipse: s-maj=2.0km s-min=1.9km az=157.7

ISK 25 23:05:49.2, 37.40N:26.88E, h15km, ML4.2/45, THE 25 23:05:50.6, 37.41N:26.95E, h3km, 1km, ML3.9/20, Error ellipse: s-maj=1.3km s-min=0.5km az=64.0

n275.5:49.6:1.0, 37.40N:0.02:26.88E:0.01, h8km, 7km, Dodecanese Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like DIDI Didim-Aydin, SMG Samos, SMG 34m,0.3s, etc.

26d Oh

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like MMAL, KSHT, SHMJ, BLGI, etc.

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Table with columns: DPC, Dobruska-Polom, GERES, etc. Includes stations like DPC, Dobruska-Polom, GERES, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like ET LH, NNSB, NNS, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PB06 IPOC Station P, PB05 IPOC Station P, PB03 IPOC Station P, etc.

IDC 26 02:57:48.0±0.5, 20.92Sx176.75W, h0km, mb4.0/3, mb1 4.1/3, mb1mx3.7/21, mbtmp4.0/3, Error ellipse: s-maj=211.5km s-min=56.3km az=143.0, Fiji Islands region

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

ISC/JB 26 03:09:20.8±0.5, 50.31N±0.03, 18.71E±0.03, h0km, Error ellipse: s-maj=4.6km s-min=2.5km az=15.8 PRU 26 03:09:22.1±0.0, 50.29N±18.75E, h0km, VIE 26 03:09:26.2±0.7, 50.31N±18.37E, h0km, mb1.8/2, ml2.6/3, Error ellipse: s-maj=20.5km s-min=6.8km az=72.0, Suspected Mining induced.

ISC 26 03:09:22.2±0.8, 50.28N±0.04, 18.80E±0.02, h0km, n23, c096/43, Poland

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CHZP Chorow, RAC Raciborz, Ostrava-Krasne, etc.

IDC 26 03:35:25.8±1.0, 2.23N-121.24E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.6/26, mbtmp3.8/6, Error ellipse: s-maj=242.4km s-min=19.2km az=62.0, Celebes Se

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

0.8nm, 0.4s, baz=148, slow=8.5, SNR=3.2 KURBB Kuruchavto Arr 60.17 330 P 03 46 35.0 -0.4 comp=E, 1.1nm, 0.8s

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MEX 26 03:52:24.8±0.8, 16.02N±97.07W, h26km, 7km, MD3.5, Oaxaca

IDC 26 04:02:38.0±1.9, 8.16S: 124.91E, h0km, mb3.8/1, mb1 4.1/3, mb1mx3.6/31, mbtmp3.9/3, ML3.5/2, MS2.7/2, Ms1 2.7/2, ms1mx2.5/21, Error ellipse: s-maj=179.3km s-min=32.4km az=58.0

DJA 26 04:02:41.0±0.5, 8.54S±12.5E, h10km, M4.2/6, mb5.2/1, MLV3.7/6 ISC 26 04:02:40.0±1.1, 8.02S±0.07, 124.96E±0.10, h10km, n11, c029/10, Timor region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SOEI Soe, BATI Baumata, MMRI Maumera, EDFI Ende, Flores, etc.

IDC 26 04:06:18.2±0.8, 19.78S±70.37W, h0km, mb4.0/7, mb1 4.2/9, mb1mx4.0/31, mbtmp4.1/9, ML3.8/2, MS3.4/5, Ms1 3.4/5, ms1mx3.1/27, Error ellipse: s-maj=26.3km s-min=14.7km az=67.0

ISC/JB 26 04:06:22.4±0.7, 19.93S±0.03, 70.57W±0.06, h50km, 6km, mb4.4/10, MS3.4/2, Error ellipse: s-maj=10.1km s-min=4.9km az=177.2

NEIC 26 04:06:22.0±0.0, 19.95S±70.56W, h24km, mb4.4/7, ML4.0(GUC), Alter GUC. NEIC Feih [I]I [I] at Huata and Pisagua; [I]I at Alto Hospicio, Iquique, La Tirana, Oficina Maria Elena and Pozo Almonte.

GUC 26 04:06:22.1±0.6, 19.95S±70.56W, h27km, 9km, ML4.1 ISC 26 04:06:20.9±1.8, 19.95S±0.04, 70.62W±0.07, h23km±13km, n62, c162/60, mb4.6/10, 6D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PISG Pisagua, PB11 IPOC Station P, etc.

comp=N, 6µm, 0.2s PB12 IPOC Station P 1.36 12 P P 04 06 45.1 +0.6 PB12 IPOC Station P 04 07 03.1 +0.3 PB12 IPOC Station P 04 07 05.2

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GO01 Chuzmiza, GO01 Chuzmiza, GO01 Chuzmiza, etc.

comp=N, 16µm, 0.3s PB08 IPOC Station P 1.39 98 P P 04 06 45.7 +0.6 PB08 IPOC Station P 04 07 03.2 -0.6 PB08 IPOC Station P 04 07 04.5

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PB01 IPOC Station P, PB01 IPOC Station P, etc.

comp=N, 5µm, 0.5s PB02 IPOC Station P 1.52 154 P P 04 06 48.0 +1.3 PB02 IPOC Station P 04 07 06.7 +1.0 PB02 IPOC Station P 04 07 10.8

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

comp=E, 7µm, 0.3s LVC IPOC Station P 2.41 170 ePn Pn 04 06 59.5 +0.5 LVC IPOC Station P 3.08 149 ePn Pn 04 07 11.0 +2.6

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

comp=E, 18nm, 0.3s, baz=338, slow=9.1, SNR=104 LVC 04 07 47.3 +2.4 LVC 04 08 41.3 LVC 04 08 56.3

comp=E, 301nm, 20.0s, baz=350, slow=46 LVC 04 07 10.0 +1.5 PB10 IPOC Station P 3.54 149 ePn Pn 04 07 13.9 -0.6 LPAZ La Paz 4.34 33 Pn Pn 04 07 30.6 +4.5

comp=E, 11nm, 0.8s SDCO Great Sand Dun 66.11 330 eP P 04 17 07.3 +0.8 DBIC Dimbokro 69.85 75 eP P 04 17 28.6 -1.6 DBIC Dimbokro 69.85 75 eP P 04 17 28.6 -1.6

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TOA1 Torodi Arr, TOA1 Torodi Arr, etc.

WAKE ISLAND Hy26.09 279 T T 06 44 39.6 WAKE ISLAND Hy26.10 279 T T 06 44 42.5 WAKE ISLAND Hy26.13 280 T T 06 44 44.8

WAKE ISLAND Hy26.14 280 T T 06 44 47.5 WAKE ISLAND Hy26.15 280 T T 06 44 47.5 WAKE ISLAND Hy26.16 280 T T 06 44 47.5

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

ISC/JB 26 04:21:07.2±0.2, 55.43N±0.02, 110.47E±0.04, h10km, mb3.6/13, MS2.8/4, Error ellipse: s-maj=3.7km s-min=2.0km az=135.1

MOS 26 04:21:08.1±1.0, 55.54N±110.43E, h14km, mb3.9/7, Error ellipse: s-maj=9.9km s-min=6.5km az=64.9 IDC 26 04:21:09.8±1.2, 55.69N±110.07E, h0km, mb3.6/10, mb1 3.8/15, mb1mx3.7/43, mbtmp3.7/15, ML3.6/5, MS2.9/4, Ms1 2.9/4, ms1mx2.5/36, Error ellipse: s-maj=24.7km s-min=11.5km az=127.0

BYKL 26 04:21:09.1±0.2, 55.49N±110.43E ISC 26 04:21:09.3±0.5, 55.49N±110.43E±0.02, h10km, n81, c253/144, mb3.7/13, MS2.8/4, Error ellipse: s-maj=24.7km s-min=11.5km az=127.0

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

comp=N, 3µm, 0.4s NIZ Nizh Angarsk 0.58 300 P P 04 21 20.1 -0.5 NIZ Nizh Angarsk 04 21 23.6 NIZ Nizh Angarsk 04 21 28.3

comp=E, 3µm, 0.5s KMO Kumora 0.59 47 P P 04 21 19.5 -1.3 KMO Kumora 04 21 19.9 KMO Kumora 04 21 27.2 -1.3

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

comp=N, 3µm, 1.2s YLYR Ulyunkhan 0.74 145 P P 04 21 22.9 -0.7 YLYR Ulyunkhan 04 21 22.9 -0.7 YLYR Ulyunkhan 04 21 22.9 -0.7

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

comp=N, 2µm, 0.2s YLYR Ulyunkhan 0.74 145 P P 04 21 22.9 -0.7 YLYR Ulyunkhan 04 21 22.9 -0.7 YLYR Ulyunkhan 04 21 22.9 -0.7

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

comp=N, 267nm, 0.5s SVYR Suvo 1.85 188 eP P 04 21 42.8 -0.4 SVYR Suvo 04 21 47.3 SVYR Suvo 04 22 07.9 -0.8

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

comp=N, 6µm, 0.6s MXMB Maximikha 2.44 205 ePn Pn 04 21 50.1 +0.9 MXMB Maximikha 04 21 53.3 +0.1 MXMB Maximikha 04 22 19.6 +0.6

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Nelyaty, Tyrgan, Turuntaevo, Chita, Ulan-Yde, Kabansk, Khuramsha, Bolshoye Golou, Irkutsk, Listvyanka, Ivanovka, Talaya, Tupik, Arshan.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Arshank, Zakamensk, Mondy, Orlik, Sonm, IENR, DGZ, TIXI, MKAR, KURK, KURBB, KSRB, SEY, BVAR, BVAR, BRVK, ASAJ, AAK, JAU, MJAR, ARU, ARCES, OBN, FINES, AKASA, ILAR, NB2, NOA, BRTR, ESDC, TORD.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Huatulco, Puerto Angel, Vista Hermosa, Matias Romero, Tiapa, Comitan, Laguna Verde, El Apazote, Tepich, Lajas Array, Mount Ida, Magazine, Leonard, Ozark Folk Cen, Pickwick Lake, Barren Site, Lemitar, Godfrey, Ladrón, Albuquerque, Sharon Grove, Tucklechee C, Saucer Basin, San Juan, Pinedale Array, Pinedale Array, Minia Array, Circle Bar, Eielson Array, NORFAR Array, Lanzhou.

IDC 26 04:42:24.6:67.0, 18.70S-178.64W, h0km, mb4.1/3, mb1.4/3/3, mb1mx3.7/25, mbtmp4.1/3. Error ellipse: s-maj=1226.0km s-min=161.5km az=80.0, Fiji Islands region

IDC 26 05:32:03.5:6.2, 19.63S-177.93W, h612km, 74km, mb3.1/6, mb1.3/5.7, mb1mx3.1/29, mbtmp4.1/7. Error ellipse: s-maj=86.0km s-min=29.2km az=148.0, Fiji Islands region

IDC 26 05:43:20.7:0.6, 37.10N-140.75E, h0km, 3km, mb3.6/2, Error ellipse: s-maj=6.5km s-min=4.6km az=30.6, JMA 26 05:43:21.0, 37.11N-140.71E, h6km, 1km, M3.2 Broadband fault plane solution: P waves. N P1: e=207.0000; s=51.0000; t=-81.0000; N P2: e=13.0000; s=840.0000; t=-101.0000. Principal axes: T P96.0000; Azm291.0000; N P167.0000; Azm22.0000; P P181.0000; Azm161.0000.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Eastern Honshu, Inakimizuishi, Fukushimafurud, Kawauchi, Hitachi, Otama, Shiba, Ramurori.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JMM, JFY, MJAR, MAT, H11N2, H11N1, H11N3, H11S1, H11S3, WRA, ASAR.

ISCJB 26 05:44:12.9:0.6,37.11N:0.03:140.75E:0.04, h1km,3km, Error ellipse: s-maj=6.5km s-min=4.5km az=32.0

JMA 26 05:44:12.8:0.9,37.07N:0.05:140.73E:0.04, h8km,6km, n20, c058/23,7C, Eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONAJ, JFJ, JFD, JFF, JFK, JFO, JHT, JFT, JSB, JJB, JMM, JMY, JFY, MJAR, MJAR, MAT, MAT, PETK, H11N2, H11N1, H11N3, H11S1, H11S3, MKAR, WRA, ASAR.

ISCJB 26 05:47:52.1:1.7,2.7N:0.2:67.1E:0.3, h10km, mb3.8/6, MS3.3/6, Error ellipse: s-maj=52.7km s-min=22.3km

ISC 26 05:47:52.2:1.6,2.62N:67.05E, h0km, mb3.8/6, mb1 3.9/6, mb1mx3.5/42, mbtmp3.8/6, MS3.4/6, Ms1 3.4/6, ms1mx3.0/28, Error ellipse: s-maj=54.9km s-min=24.9km

ISC 26 05:47:53.6:1.8,2.6N:0.3:67.0E:0.3, h10km, n18, c0544/7, mb3.8/6, MS3.3/6, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H08N2, H08N3, H08N1, WSAR, KMBO, GEYT, BRTR, BRTR, KURBB, ZALV, SONM, H01W3, H01W2, H01W1, WRA, ASAR, NOA, STKA, TXAR.

ISCJB 26 06:10:21.4:0.8,42.44N:0.04:43.61E:0.05, h0km,9km, Error ellipse: s-maj=8.2km s-min=4.5km az=149.7

NORS 26 06:10:21.4:0.8,42.60N:43.63E, h1km, MPV3.4/3, Error ellipse: s-maj=8.2km s-min=4.5km az=149.7

ISC 26 06:10:21.4:1.3,42.43N:0.04:43.64E:0.04, h0km,12km, n14, c0568/30, Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ONI, ZEI, DIGR, TKB, LACR, KORR, LSNR, ARNR, VLKR.

ISCJB 26 06:53:46.0:0.77N:29.03E, h4km,5km, ML2.8, Error ellipse: s-maj=4.2km s-min=3.5km az=9.1

ISC 26 06:53:46.8:0.9,40.78N:0.02:29.06E:0.03, h12km,7km, n30, c045/39, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUY, KAVV, ISK, YELT, GEMK, MDNY, HRT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VLKR, STDR, POSOF, EPOS, DBOC, DAGI, DAGI, DBAD.

MEX 26 06:13:19.7:0.4,17.72N:95.48W, h29km,6km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMIG, VHO, HUIG, TGIG, PCIG, CCIG.

JMA 26 06:36:36.8:0.1,24.10N:123.55E, h20km,1km, M0.8, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HATJ, IRIF, JKRS, JIJ, JYNG.

TAP 26 06:36:47.2:23.88N:121.52E, h10km,1km, ML1.1, D, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ESL, ES, ET, CHGB, VWDT, SSSL, YULB, YULB.

ISC 26 06:40:26.7:2.4,54.11N:87.18E, h0km, mb1 2.8/2, mb1mx2.7/35, mbtmp2.8/2, ML2.4/2, Error ellipse: s-maj=21.1km s-min=17.2km az=45.0, Southwestern Siberia

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

ISCJB 26 06:52:14.3:0.5,39.42N:0.03:26.34E:0.04, h1km,6km, Error ellipse: s-maj=5.5km s-min=4.7km az=174.4

ISC 26 06:52:14.2,39.42N:26.35E, h8km, ML1.8/8, DDA 26 06:52:14.4,39.46N:26.40E, h7km,3km, ML2.6

ISC 26 06:52:14.4,39.43N:0.03:26.35E:0.03, h16km,8km, n14, c0529/21, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GPNR, AYVA, BAYC, BAYC, EZN, SIGR, BOZC, BOZC, BOZC, DKL, ZEDA, GELI, BALLY, CHOS, UURLA, ALN.

ISCJB 26 07:16:11.0:0.7,15.36S:0.03:167.56E:0.1, h138km,6km, Error ellipse: s-maj=4.6km s-min=3.5km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUY, KAVV, ISK, YELT, GEMK, MDNY, HRT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KLYT, IZI, SILT, ELBA, ELBA, CTKS, ADVT, ULDT, ULDT, KCTX, KAND, KAND, GEVY, EDC, GULF, DURS, DURS, TVSB, SAHE, SAHE, BORA, BORA, BALB, BALLY, BALB, BALLY, GDZ, KIRK, KIRK, USAK, USAK, BAYC, BAYC.

NEIC 26 06:55:19.3:0.0,45.08S:167.32E, h5km, ML4.4(WEL), After WEL

WEL 26 06:55:18.2,45.5:16.7E:1.5, h5km, M4.1/24, ML4.3/21, ML4.1/24, Error ellipse: s-maj=0.0km s-min=0.0km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DCZ, DCZ, DCZ, MSZ, MLZ, MLZ, WHZ, WHZ, WHZ, WKZ, WKZ, JCCZ, JCCZ, FAZ, APZ, TUZ, TUZ, TUZ, SCRY, LBZ, LBZ, MOZ, MOZ, CRZ, CRZ, THZ, THZ, THZ, THZ, QRTZ, QRTZ, QRTZ, QRTZ, DUWZ, KHEZ, VRZ, PKVZ, HIZ, HIZ, BKZ, WCU, OUZ, OUZ.

ISC 26 06:57:12.8:1.1,10.62N:85.92W, h21km,9km, MW3.8, 5D, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUEV, GB1A, GB1A, JTS, JTS, ARE1, ARE1, ACON, HDC, LCR2, ESPN.

NEIC 26 07:07:15.6:2.2,15.38S:167.69E, h124km, mb5.4/252, 1MW6.1, MW6.1, MW6.1, Error ellipse: s-maj=11.1km s-min=8.7km az=33.0, Moment Tensor Solution, s51

Moment tensor: Scale: 10^18Nm; Mr: 1.52; Mw: 0.13; Mw-1.65; Mw-0.47; Mw-0.20; Mw-0.23; Best double couple: 1.13; 0.00000... NP2:0.33700000... 545.000000... 851.000000...

Principal axes: T: 1.6900, Pg: 1.6720, Np: 1.6800, P: -1.6800, Pg: 0.0000, Azm: 264.0000; N: -0.0100, P: 1.6900, Azm: 355.0000; P: -1.6800, Pg: 0.0000, Azm: 264.0000;

NEIC Felt at Laganville. Eroaband depth 124 km. ISCJB 26 07:07:16.1:0.7,15.36S:0.03:167.56E:0.1, h138km,6km, Error ellipse: s-maj=4.6km s-min=3.5km

ISC 26 07:07:16.6:0.5,15.34S:167.62E, h131km,3km, mb5.1/29, mb1 5.0/24, ms1mx4.9/33, Error ellipse: s-maj=8.4km s-min=7.7km az=83.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BUEV, GB1A, GB1A, JTS, JTS, ARE1, ARE1, ACON, HDC, LCR2, ESPN.

NJ2		ScS	SKSac	07 27 34.0	0.0				
NJ2	comp=E,46nm,0.7s	pmx	pmx						
NJ2	comp=E,710nm,4.5s	LR	LR						
NJ2	comp=E,1µm,14.3s	LR	LR						
NJ2	comp=E,2µm,16.1s	LR	LR						
NJ2	comp=E,3µm,23.7s	LR	LR						
SKR	Severo-Kuril's	66.49 352	eP	P	07 17 49.9	-1.6			
SKR			e	P	07 18 23.7				
SKR			ePPP	P	07 18 46.9				
SKR			eS	S	07 26 33.4	+2.8			
SKR			pmx	pmx					
SKR	comp=Z,1µm,4.5s	pmx	pmx						
MSHR	Mya Shultsa	66.66 331f	eP	P	07 17 55.2	+2.4			
VLA	Vladivostok	67.75 332e	eP	P	07 17 54.8	+1.4			
VLA			pmx	pmx					
BKNI	Bangkinang	67.54 277	eP	P	07 17 59.8	+0.8			
BKNI	Bangkinang	67.54 277	P	P	07 18 00.2	+1.2			
USRK	Ussuriysk Ar.	67.56 333	P	P	07 17 59.8	+1.3			
USRK	comp=Z,23nm,0.6s,baz=131,slow=6.3,SNR=68	LR	LR						
PPSI	Pulau Pagai	67.69 273	P	P	07 18 00.5	+0.6			
PDSI	Padang	67.75 275	P	P	07 18 00.3	-0.1			
PET	Petrovavlovsk	68.50 354	eP	P	07 18 05.2	+1.0			
PET	Petrovavlovsk	68.50 354	eP	P	07 18 04.0	-0.1			
PET			ePPP	P	07 18 37.1	-0.3			
PET			eSP	P	07 18 58.5	+6.3			
PET			iS	S	07 26 53.8	-0.8			
PET			pmx	pmx					
PET	comp=Z,900nm,4.2s	pmx	pmx						
PET	comp=Z,30nm,0.8s	pmx	pmx						
PET	comp=Z,700nm,15.2s	pmx	pmx						
WHN	Wuhan	68.59 312	fP	P	07 18 05.5	+0.3			
WHN			S	S	07 26 54.0	-2.5			
WHN			pmx	pmx					
WHN	comp=Z,860nm,2.0s	pmx	pmx						
WHN	comp=Z,1µm,3.4s	LR	LR						
WHN	comp=Z,2µm,13.0s	LR	LR						
WHN	comp=Z,2µm,13.1s	LR	LR						
WHN	comp=Z,6µm,32.2s	LR	LR						
PEAOB	Petrovavlovsk	68.68 354	eP	P	07 18 06.9	+1.6			
PETK	Petrovavlovsk	68.68 354	eP	P	07 18 06.4	+1.1			
PETK	Petrovavlovsk	68.68 354	eP	P	07 18 06.4	+1.1			
PETK	Petrovavlovsk	68.68 354	eP	P	07 18 06.4	+1.1			
PETK	comp=Z,21nm,0.8s	pmx	pmx						
MDJ	Mudanjiang	68.96 332	P	P	07 18 08.3	+1.1			
MDJ			PP	PP	07 20 37.8	-3.8			
MDJ			PeS	S	07 22 38.5				
MDJ			S	S	07 27 04.5	+4.1			
MDJ			SS	SS	07 31 27.3	-1.9			
MDJ			pmx	pmx					
MDJ	comp=Z,130nm,1.6s	pmx	pmx						
MDJ	comp=Z,1µm,4.0s	LR	LR						
MDJ	comp=Z,1µm,28.4s	LR	LR						
MDJ	comp=Z,2µm,25.4s	LR	LR						
DL2	Dalian	68.97 323f	fP	P	07 18 08.0	+0.6			
DL2			pP	PP	07 18 40.0	-1.3			
DL2			sP	SP	07 19 00.5	+4.2			
DL2			sS	SS	07 27 00.0	-0.7			
DL2			sS	SS	07 27 56.8	-0.5			
DL2			SS	SS	07 31 20.0	-1.0			
DL2			pmx	pmx					
DL2	comp=Z,78nm,1.2s	pmx	pmx						
DL2	comp=Z,700nm,6.8s	pmx	pmx						
TYV	Tymovskoe	69.44 343	eP	P	07 18 11.2	+1.2			
TYV			eS	S	07 27 10.1	+4.4			
TYV			pmx	pmx					
TYV	comp=Z,1µm,4.2s	pmx	pmx						
TYV	comp=Z,56nm,1.6s	pmx	pmx						
SNY	Shenyang	69.88 326	fP	P	07 18 13.5	+0.6			
SNY			PP	PP	07 20 50.0	+0.4			
SNY			S	S	07 27 13.3	+2.0			
SNY			SS	SS	07 31 37.3	-6.2			
SNY			pmx	pmx					
SNY	comp=Z,27nm,0.9s	pmx	pmx						
SNY	comp=Z,1µm,11.6s	LR	LR						
SNY	comp=Z,1µm,23.3s	LR	LR						
SNY	comp=Z,2µm,23.5s	LR	LR						
SNY	comp=Z,2µm,22.7s	LR	LR						
TIA	Tai'an	70.00 318	P	P	07 18 13.8	0.0			
TIA			pP	PP	07 18 44.5	-3.4			
TIA			sP	SP	07 19 06.0	+3.0			
TIA			PP	PP	07 20 54.0	+3.2			
TIA			S	S	07 27 12.0	-1.0			
TIA			sS	SS	07 28 09.0	-0.2			
TIA			pmx	pmx					
TIA	comp=Z,6.0nm,0.5s	pmx	pmx						
TIA	comp=Z,390nm,3.0s	LR	LR						
TIA	comp=Z,2µm,20.7s	LR	LR						
TIA	comp=Z,1µm,19.2s	LR	LR						
TIA	comp=Z,1µm,19.2s	LR	LR						
PANO	Nakornpanom	70.02 295	P	P	07 18 15.4	+1.2			
SKLT	Songkhla	70.03 284	P	P	07 18 15.9	+1.5			
CN2	Changchun	70.33 329	eP	P	07 18 16.0	+0.4			
CN2			eP	P	07 18 49.5	0.0			
CN2			eS	S	07 27 15.3	-1.1			
CN2			pmx	pmx					
CN2	comp=Z,80nm,1.2s	pmx	pmx						
CN2	comp=Z,2µm,4.0s	LR	LR						
CN2	comp=Z,1µm,17.0s	LR	LR						
CN2	comp=Z,780nm,17.0s	LR	LR						
CN2	comp=Z,970nm,19.0s	LR	LR						
NIKH	Nikolski High	70.98 15	eP	P	07 18 19.3	0.0			
TRTT	Trang	71.12 284	P	P	07 18 22.5	+1.5			
GSI	Gunungsitoli	71.14 277	eP	P	07 18 21.8	+0.6			
GSI	Gunungsitoli	71.14 277	P	P	07 18 22.0	+0.8			
GRNR	Gornyy	71.26 340	eP	P	07 18 23.2	+2.1			
GRNR			eP	P	07 18 23.2	+2.1			
GRNR			pmx	pmx					
GRNR	comp=Z,110nm,1.0s	pmx	pmx						
KCSI	Kotacane, Aceh	71.59 279	P	P	07 18 23.4	-0.5			
NONG	Nongkai	71.66 295	P	P	07 18 25.2	+1.0			
KLR	Kul'dur	71.68 336	eP	P	07 18 24.8	+1.2			
KLR	Kul'dur	71.68 336	eP	P	07 18 24.5	+0.9			
KLR			pmx	pmx					
CHAI	Chaiyaphum	71.85 293	P	P	07 18 26.3	+1.0			
NKL	Nikolayevsk	72.03 343	iP	P	07 18 27.0	+1.4			
NKL			e	P	07 19 03.0				

NKL	comp=Z,131nm,1.5s	pmx	pmx						
TPTI	Guiyang	72.08 279	P	P	07 18 28.1	+1.3			
GVA	Guiyang	72.33 305f	fP	P	07 18 28.8	+0.6			
GVA			pP	PP	07 19 01.3	+0.9			
GVA			PP	PP	07 21 12.8	+1.8			
GVA			S	S	07 27 42.5	+2.1			
GVA			SKS	SKSac	07 28 09.5	-1.0			
GVA			pmx	pmx					
GVA	comp=Z,30nm,0.6s	pmx	pmx						
GVA	comp=Z,320nm,5.9s	LR	LR						
GVA	comp=Z,740nm,17.8s	LR	LR						
GVA	comp=Z,1µm,18.6s	LR	LR						
GVA	comp=Z,1µm,15.4s	LR	LR						
UNV	Unalaska Valle	72.37 16	eP	P	07 18 26.8	-0.8			
PHET	Kaeng Krachan	72.89 289	P	P	07 18 33.8	+2.3			
BJI	Beijing	72.94 321	P	P	07 18 32.0	+0.7			
BJI			pP	PP	07 19 06.8	+1.1			
BJI			S	S	07 27 46.0	-0.5			
BJI			pmx	pmx					
MLSI	Meulaboh, Aceh	73.12 279	P	P	07 18 33.3	+0.4			
UTTA	Utтарadit	73.81 294	P	P	07 18 38.3	+1.4			
SRDT	SRDT	73.85 290	P	P	07 18 39.6	+2.4			
TIY	Taiyuan	73.92 317	eP	P	07 18 39.3	+2.1			
TIY			S	S	07 27 57.3	-0.6			
TIY			pmx	pmx					
UTHA	Uthaitani	73.99 291	P	P	07 18 39.9	+1.9			
XAN	Xi'an	74.34 313	P	P	07 18 40.3	+0.6			
XAN			PcP	PcP	07 18 53.8	+0.1			
XAN			pP	PP	07 19 11.5	-2.8			
XAN			PP	PP	07 21 29.8	+1.9			
XAN			S	S	07 28 03.0	+0.4			
XAN			SKS	SKSac	07 28 29.0	-5.6			
XAN			ScS	SS	07 28 34.5	-0.4			
XAN			SS	SS	07 32 47.5	-4.6			
XAN			pmx	pmx					
XAN	comp=Z,59nm,1.1s	pmx	pmx						
XAN	comp=Z,910nm,4.1s	LR	LR						
XAN	comp=Z,1µm,27.3s	LR	LR						
XAN	comp=Z,950nm,24.9s	LR	LR						
SPIA	Saint Paul Isl	74.54 12	eP	P	07 18 40.2	0.0			
QSPA	South Pole Qui	74.71 180	P	P	07 18 41.6	+0.2			
QSPA	South Pole Qui	74.71 180	eP	P	07 18 41.6	+0.2			
QSPA	South Pole Qui	74.71 180	eP	P	07 18 41.6	+0.2			
QSPA	South Pole Qui	74.71 180	eP	P	07 18 41.6	+0.2			
UMPA	Umpang Tak	74.75 292	P	P	07 18 45.0	+2.6			
KMI	Kunming	74.90 302	P	P	07 18 45.0	+1.6			
KMI			pP	PP	07 19 18.3	+0.2			
KMI			PP	PP	07 21 36.8	+3.7			
KMI			S	S	07 28 12.5	+2.9			
KMI			SS	SS	07 29 09.3	+1.7			
KMI			SS	SS	07 33 01.5	+0.2			
KMI			pmx	pmx					
KMI	comp=Z,96nm,1.2s	pmx	pmx						
KMI	comp=Z,640nm,3.1s	LR	LR						
KMI	comp=Z,460nm,15.8s	LR	LR						
KMI	comp=Z,750nm,19.8s	LR	LR						
KMI	comp=Z,1µm,22.5s	LR	LR						
LAMP	Lampang	74.92 294	P	P	07 18 45.0	+1.7			
PAYA	Payao	75.02 295	P	P	07 18 45.0	+1.1			
CM31	Chiang Mai Arr	75.50 294	P	P	07 18 48.3	+1.7			
CMAR	Chiang Mai Arr	75.50 294							

26d 7h

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Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like Talaya, Harding Lake, McClintville, etc.

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like WUAZ Wupatki, NEW Newport, NEW Newport, etc.

Table with columns: Station Name, Frequency, Power, Class, and other technical details. Includes stations like ARU, MDH Madha, POC Popayan, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like KMBO, SJG, HMP, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like OSTC, PSZ, SRR, etc.

Table with columns for call sign, name, frequency, mode, and other parameters. Includes stations like XOR, BBL, MOA, etc.

DL2	comp=N,900nm,15.3s	LR	LR						
DL2	comp=E,520nm,15.2s	LR	LR						
DL2	comp=Z,700nm,12.1s	LR	LR						
PAX	Paxson 30.14 47 eP	P	P	08 37 42.5 +0.2					
PAX	comp=Z,15nm,1.3s	P	P	08 37 42.5 +0.2					
PAX	comp=Z,15nm,1.3s	Pmax	Pmax						
DOT	Dot Lake 30.72 46 eP	P	P	08 37 46.2 -1.2					
H11N2	WAKE ISLAND Hy 32.59 169 T	T	T	09 14 19.2					
H11N3	WAKE ISLAND Hy 32.61 169 T	T	T	09 14 19.6					
H11N1	WAKE ISLAND Hy 32.61 169 T	T	T	09 12 31.6					
DAWY	Dawson 32.74 45 eP	P	P	08 38 05.2 +0.1					
EPYK	Eagle Plains 33.59 40 eP	P	P	08 38 12.9 +0.4					
H11S3	WAKE ISLAND Hy 33.79 169 T	T	T	09 13 49.0					
H11S2	WAKE ISLAND Hy 33.80 169 T	T	T	09 13 55.8					
TIA	Taian 34.30 260 P	P	P	08 38 19.5 +0.6					
TIA	comp=Z,5.0nm,0.8s	P	P	08 38 31.0 -0.7					
TIA	comp=Z,52nm,3.2s	Pmax	Pmax						
TIA	comp=Z,870nm,14.2s	LR	LR						
TIA	comp=Z,430nm,15.0s	LR	LR						
TIA	comp=Z,970nm,13.5s	LR	LR						
TLY	Talaya 34.33 293 eP	P	P	08 38 18.5 -0.5					
TLY	comp=Z,39nm,1.3s	Pmax	Pmax						
TLY	comp=Z,21um,14.0s	MLR	MLR						
SOMM	Songino Array 34.38 285 P	P	P	08 38 18.3 -1.3					
SONM	comp=Z,0.5nm,0.4s,baz=79,slow=7.5,SNR=3.3	PcP	PcP	08 40 54.9 +0.1					
SONM	comp=Z,0.9nm,0.5s,baz=48,slow=2.1,SNR=2.8	LR	LR	08 53 13.3					
INM	Inuvik 34.62 37 P	P	P	08 38 21.0 -0.2					
INM	comp=Z,12nm,1.1s,baz=275,slow=4.9,SNR=11	P	P	08 38 21.6 +0.3					
INM	comp=Z,9.3nm,0.8s	P	P	08 38 21.0 -0.2					
INM	comp=Z,12nm,1.1s	Pmax	Pmax						
HHC	Hu-ho-hao-te 34.86 271 P	P	P	08 38 24.8 +1.0					
HHC	comp=Z,12nm,1.1s	P	P	08 38 38.0 +1.3					
HHC	comp=Z,12nm,1.1s	P	P	08 39 44.3 +1.3					
HHC	comp=Z,15nm,0.7s	Pmax	Pmax	08 43 54.8 +2.0					
HHC	comp=Z,63nm,6.0s	LR	LR						
HHC	comp=Z,21um,12.3s	LR	LR						
ZAK	Zakamensk 35.07 291 eP	P	P	08 38 23.7 -1.9					
ZAK	comp=Z,13nm,1.1s	Pmax	Pmax						
NJ2	Nanjing 36.12 253 eP	P	P	08 38 34.5 -0.1					
NJ2	comp=Z,110nm,3.5s	P	P	08 38 43.0 +0.5					
NJ2	comp=Z,110nm,3.5s	P	P	08 38 45.5 -0.3					
NJ2	comp=Z,110nm,3.5s	P	P	08 41 00.8 +0.9					
NJ2	comp=Z,7.0nm,0.5s	Pmax	Pmax						
NJ2	comp=Z,110nm,3.5s	LR	LR						
NJ2	comp=Z,470nm,18.9s	LR	LR						
NJ2	comp=Z,400nm,13.7s	LR	LR						
NJ2	comp=Z,700nm,18.9s	LR	LR						
DLBC	Dease Lake 38.54 52 P	P	P	08 38 57.0 +2.2					
DLBC	comp=Z,19nm,1.0s,baz=289,slow=9.4,SNR=39	P	P	08 39 24.0 +1.8					
WHN	Wuhan 39.88 256 P	P	P	08 44 54.5 -1.4					
WHN	comp=N,2um,15.8s	LR	LR						
WHN	comp=E,2um,15.1s	LR	LR						
WHN	comp=Z,1um,14.7s	LR	LR						
XAN	Xi'an 40.77 265 P	P	P	08 39 22.3 +8.6					
XAN	comp=Z,5.0nm,0.9s	P	P	08 39 37.8 +1.1					
XAN	comp=Z,5.0nm,0.9s	Pmax	Pmax	08 45 28.0 +5.8					
XAN	comp=Z,110nm,3.8s	LR	LR						
XAN	comp=N,950nm,18.1s	LR	LR						
XAN	comp=E,860nm,18.6s	LR	LR						
XAN	comp=Z,960nm,14.9s	LR	LR						
BBB	Bella Bella 42.23 60 P	P	P	08 39 26.9 +1.5					
BBB	comp=Z,22nm,1.1s,baz=260,slow=6.8,SNR=6.3	P	P	08 39 28.3 -0.1					
LZH	Lanzhou 42.56 271 eP	P	P	08 39 36.8 +0.4					
LZH	comp=Z,17nm,1.0s	Pmax	Pmax	08 39 39.8 +0.1					
LZH	comp=Z,1um,17.6s	LR	LR						
LZH	comp=Z,1um,16.5s	LR	LR						
LZH	comp=Z,830nm,18.7s	LR	LR						
GTA	Gaotai 42.95 278 eP	P	P	08 39 38.8 +7.2					
GTA	comp=Z,6.0nm,1.5s	P	P	08 39 48.8 +5.0					
GTA	comp=Z,55nm,5.1s	P	P	08 39 52.3 +9.2					
GTA	comp=N,740nm,16.8s	Pmax	Pmax						
GTA	comp=Z,730nm,16.8s	LR	LR						
ENH	Enshi 43.02 260 eP	P	P	08 39 32.2 +0.2					
ZAAO	Zalesovo Array 43.56 304 eP	P	P	08 39 32.9 -3.2					
ZALV	Zalesovo Beam 43.56 304 P	P	P	08 39 33.0 -3.1					
ZALV	comp=Z,2.5nm,0.7s,baz=55,slow=6.4,SNR=8.3	LR	LR	08 59 07.5					
ZALV	comp=Z,663nm,19.4s,baz=66,slow=38	LR	LR						
ZALV	comp=Z,3.0nm,0.7s	Pmax	Pmax						
ZALV	comp=Z,663nm,19.4s	MLR	MLR						
YKA	Yellowknife Arr 43.83 42 P	P	P	08 39 38.1 0.0					
RES	Resolute Bay 44.27 22 eP	P	P	08 39 42.0 +0.5					
RES	comp=Z,13nm,0.8s,baz=305,slow=7.7,SNR=9.4	PcP	PcP	08 41 26.6 +1.3					
RES	comp=Z,7.3nm,0.8s,baz=303,slow=6.6,SNR=3.7	P	P	08 39 42.3 +0.8					
DGZ	Jazzart, Alta 44.35 297c iP	P	P	08 39 41.3 -1.4					
DGZ	comp=Z,6.0nm,0.9s	Pmax	Pmax						
CD2	Chengdu 46.08 266 P	P	P	08 39 55.3 -1.2					
CD2	comp=Z,10.0nm,0.5s	S	S	08 46 38.0 -2.1					
CD2	comp=Z,1um,19.1s	LR	LR						
CD2	comp=Z,1um,18.6s	LR	LR						
CD2	comp=Z,1um,14.2s	LR	LR						

LLLB	Lillooet 46.38 59 eP	P	P	08 39 59.6 +1.0					
A04D	Lummi Island 47.00 62 P	P	P	08 40 03.6 +0.2					
NLWA	Neilton Lookout 47.12 64 eP	P	P	08 40 05.8 +1.4					
D03D	Eldon 47.47 63 P	P	P	08 40 08.4 +1.3					
GUYA	Guiyang 47.48 259 iP	P	P	08 40 16.5 +8.9					
GUYA	comp=Z,20nm,0.9s	P	P	08 40 25.5 +5.0					
GUYA	comp=Z,20nm,0.9s	P	P	08 40 26.0 +6.9					
GUYA	comp=Z,20nm,0.9s	P	P	08 40 27.0 +8.7					
GUYA	comp=Z,20nm,0.9s	P	P	08 47 29.0 +1.3					
GUYA	comp=Z,20nm,0.9s	P	P	08 50 24.8 -3.3					
GUYA	comp=N,440nm,20.0s	LR	LR						
GUYA	comp=E,360nm,18.1s	LR	LR						
GUYA	comp=Z,210nm,15.4s	LR	LR						
WMQ	Urumqi 47.54 290 eP	P	P	08 40 18.0 +0.1					
WMQ	comp=Z,14nm,0.7s	P	P	08 40 16.3 +0.2					
WMQ	comp=Z,59nm,4.7s	P	P	08 46 59.3 -1.4					
WMQ	comp=Z,1um,12.5s	P	P	08 49 58.3 -0.7					
WMQ	comp=Z,1um,14.9s	LR	LR						
WMQ	comp=Z,930nm,14.9s	LR	LR						
B05A	Bryan 47.59 62 P	P	P	08 40 09.0 +0.9					
D04E	Lakebay 47.85 64 P	P	P	08 40 11.5 +1.5					
KBS	Kingsbay 47.99 352 eP	P	P	08 40 11.0 +0.2					
KBS	Kingsbay 47.99 352 eP	P	P	08 40 11.0 +0.2					
SPA0	Spitsbergen Ar 48.26 351 eP	P	P	08 40 12.9 0.0					
E04D	Cinebar 48.33 64 P	P	P	08 40 14.9 +1.2					
F04D	Reinier, OR 48.36 65 P	P	P	08 40 14.5 +0.4					
KURK	Kurchatov 48.50 303 eP	P	P	08 40 12.6 -2.4					
KURK	Kurchatov 48.50 303c iP	P	P	08 40 12.3 -2.7					
G03D	McMinnville, O 48.74 66 P	P	P	08 40 16.4 -0.6					
MK31	Makanchi Array 48.83 297 iP	P	P	08 40 14.9 -2.8					
MK31	comp=Z,4.0nm,0.7s	P	P	08 40 15.3 -2.4					
MKAR	Makanchi Array 48.83 297 P	P	P	08 40 15.4 -3.6					
MAKZ	Makanchi 48.99 297 P	P	P	08 40 20.9 +1.3					
MAKZ	comp=Z,8.0nm,1.0s	P	P	08 40 22.4 +0.7					
I02D	Swisshome 49.08 68 P	P	P	08 40 21.7 +0.2					
F05D	White Salmon 49.34 64 P	P	P	08 40 21.7 +0.2					
HSPB	Hornsund (broa 49.38 350 eP	P	P	08 40 23.8 +1.4					
H04D	Hornsund (broa 49.45 66 P	P	P	08 40 24.5 +0.9					
J01E	Myrtle Point 49.61 69 P	P	P	08 40 26.5 +1.3					
G05D	Wamic, OR 49.81 65 P	P	P	08 40 26.7 +0.6					
C09A	Chrisman Ranch 49.94 61 eP	P	P	08 40 28.2 +1.1					
K02D	Willamette Mer 50.05 69 P	P	P	08 40 28.5 +1.1					
I04A	Tenck Farm, 50.09 67 P	P	P	08 40 29.4 +0.7					
NEW	Newport 50.27 59 P	P	P	08 40 29.1 +0.4					
NEW	comp=Z,8.9nm,1.0s,baz=304,slow=6.5,SNR=14	P	P	08 40 30.2 +0.8					
I05D	Terrebonne, OR 50.36 66 P	P	P	08 40 31.4 +1.6					
L02E	Cave Junction 50.42 69 P	P	P	08 40 32.8 +1.4					
J04D	Umpqua Nation 50.60 67 P	P	P	08 40 34.5 +1.0					
KMI	Kunming 50.85 261 P	P	P	08 40 36.8 +1.4					
KMI	comp=Z,13nm,0.6s	Pmax	Pmax	08 40 37.0 +1.2					
KMI	comp=Z,500nm,13.0s	LR	LR	08 40 37.7 +1.8					
KMI	comp=Z,480nm,12.1s	LR	LR	08 40 36.8 +0.5					
J05D	Fort Rock, OR 51.07 67 P	P	P	08 47 54.8 +1.9					
L04D	Klamath Falls 51.13 69 P	P	P	08 40 36.6 +1.7					
K04D	Chiloquino, OR 51.19 68 P	P	P	08 40 37.0 +1.2					
YBH	Yre Blue Hor 51.21 69 P	P	P	08 40 37.7 +1.8					
QIZ	Qiongzong 51.24 250 P	P	P	08 40 36.8 +0.5					
QIZ	comp=Z,26nm,1.0s,baz=322,slow=2.6,SNR=24	P	P	08 47 54.8 +1.9					
QIZ	comp=Z,250nm,2.9s	Pmax	Pmax						
QIZ	comp=Z,500nm,15.2s	LR	LR						
QIZ	comp=Z,570nm,15.2s	LR	LR						
QIZ	comp=Z,450nm,18.1s	LR	LR						
BRVK	Borovoye 51.27 309 eP	P	P	08 40 33.8 -2.3					
BRVK	Borovoye 51.27 309d iP	P	P	08 40 34.0 -2.1					
M02C	Callahan 51.34 70 P	P	P	08 40 38.9 +2.0					
M04C	Macdoel: C 51.68 69 P	P	P	08 40 41.0 +1.6					
N02D	Trinity Center 51.69 70 P	P	P	08 40 41.5 +2.0					
O02D	Mt. Diablo Mer 52.16 71 P	P	P	08 40 44.9 +1.9					
PDGK	Podgornoye 52.53 295 P	P	P	08 40 44.5 -1.3					

BTK	Batken	59.54 297	eP	P	08 41 34.3	-1.6
BTK	Batken	59.54 297	eP	P	08 41 34.3	-1.6
BTK	Batken	59.54 297	eP	P	08 41 34.3	-1.6
HEC	Hector,Ludlow	59.54 71	P	P	08 41 37.1	+1.1
K22A	Casper	59.57 59	P	P	08 41 36.9	+0.7
BBRC	Big Bear Solar	59.60 72	P	P	08 41 37.6	+1.1
RSSD	Black Hills	59.84 56	eP	P	08 41 38.8	+0.7
RSSD	Black Hills	59.84 56	eP	P	08 41 38.8	+0.7
RSSD	Black Hills	59.84 56	eP	P	08 41 38.8	+0.7
MURC	Murrieta	59.90 73	P	P	08 41 39.2	+0.9
GMRC	Granite Mounta	59.97 71	P	P	08 41 40.1	+1.2
PKCU	Pink Cliffs	60.04 67	eP	P	08 41 41.7	+2.1
SUF	Sumiainen	60.09 338	P	P	08 41 39.3	+0.1
UTHA	Uthmaniyah	60.10 256	P	P	08 41 50.7	+1.1
BELC	Belle Mtn Jos	60.32 72	P	P	08 41 42.0	+0.7
PFO	Pinyon Flats O	60.33 72	P	P	08 41 42.0	+0.7
PFO	Pinyon Flats O	60.33 72	P	P	08 41 42.0	+0.7
PFO	Pinyon Flats O	60.33 72	P	P	08 41 42.0	+0.7
O20A	White River Ci	60.41 62	P	P	08 41 43.1	+1.1
109C	Camp Elliot, M	60.46 73	P	P	08 41 42.7	+0.6
GAR	Garm	60.56 297	eP	P	08 41 40.8	-2.1
GAR	Garm	60.56 297	eP	P	08 41 40.8	-2.1
GAR	Garm	60.56 297	eP	P	08 41 40.8	-2.1
IRM	Iron Mountain	60.71 71	P	P	08 41 45.0	+1.1
AGMN	Agassiz Nation	60.84 48	eP	P	08 41 44.3	-0.2
AGMN	Agassiz Nation	60.84 48	eP	P	08 41 44.3	-0.2
MONP2	Monument Peak	60.86 73	P	P	08 41 45.6	+0.5
BAR	Barrett	60.86 73	eP	P	08 41 45.6	+0.7
BC3	Big Chuckawall	60.89 72	P	P	08 41 45.7	+0.5
PV09	Paradox Valley	61.08 64	eP	P	08 41 47.9	+1.3
N23A	Red Feather La	61.12 60	P	P	08 41 48.0	+1.2
SWSC	Sam W. Stewart	61.19 70	P	P	08 41 47.5	+0.4
PDMC1	Parker Dam,Lak	61.20 70	P	P	08 41 48.3	+1.2
FINES	FINES Array B	61.22 337	P	P	08 41 46.5	-0.3
IKP	In-Ko-Pah, Jac	61.22 73	P	P	08 41 48.2	+0.8
Y12C	Blythe	61.37 71	P	P	08 41 49.4	+1.1
CHGR	Chuyangaron	61.44 297	eP	P	08 41 50.1	+1.2
GLA	Glamis	61.69 72	eP	P	08 41 51.7	+1.2
GLA	Glamis	61.69 72	eP	P	08 41 51.7	+1.2
GLA	Glamis	61.69 72	eP	P	08 41 51.7	+1.2
GLA	Glamis	61.69 72	eP	P	08 41 51.7	+1.2
WUAZ	Wupatki	61.93 68	P	P	08 41 53.5	+1.3
SUSD	Miller	62.16 53	P	P	08 41 53.2	-0.3
MVCO	Mesa Verde	62.34 64	P	P	08 41 56.1	+0.9
NIL	Nilore	62.69 290	eP	P	08 41 56.7	-0.6
NIL	Nilore	62.69 290	eP	P	08 41 56.7	-0.6
MOS	Moscov	62.70 328	eP	P	08 41 55.2	-1.7
MOS	Moscov	62.70 328	eP	P	08 41 55.2	-1.7
MOS	Moscov	62.70 328	eP	P	08 41 55.2	-1.7
S22A	4UR Ran, Ore	62.88 63	P	P	08 42 00.2	+1.4
Q24A	Divide	62.92 61	P	P	08 42 00.1	+1.1
EYMN	Ely	63.07 46	P	P	08 41 59.6	+0.1
OGNE	Ogallala	63.14 57	eP	P	08 42 01.8	+1.6
OGNE	Ogallala	63.14 57	eP	P	08 42 01.5	+1.3
W18A	Petrified Fore	63.15 67	P	P	08 42 01.5	+1.1
OBN	Obninsk	63.56 328	LR	LR	09 11 30.4	
OBN	Obninsk	63.56 328	LR	LR	08 42 02.1	-0.4
OBN	Obninsk	63.56 328	LR	LR	08 42 02.1	-0.4
BORG	Borgarnes	63.59 1	LR	LR	09 11 11.1	
BORG	Borgarnes	63.59 1	LR	LR	08 42 04.6	+2.0
BORG	Borgarnes	63.59 1	LR	LR	08 42 04.6	+2.0
SDCO	Great Sand Dun	63.61 62	eP	P	08 42 04.3	+0.7
SDCO	Great Sand Dun	63.61 62	eP	P	08 42 04.8	+1.2
VSU	Vasula	63.64 335	eP	P	08 42 02.7	-0.4
VSU	Vasula	63.64 335	eP	P	08 42 02.9	-0.1
214A	Organ Pipe Nat	63.65 71	P	P	08 42 04.7	+1.1
ECSD	EROS Data Cent	63.83 52	P	P	08 42 04.4	-0.2
E38A	The Farm, Brul	64.05 47	P	P	08 42 05.7	-0.3
DOMB	Dombas	64.06 345	eP	P	08 42 05.5	-0.3
C40A	Isle Royale Na	64.12 44	P	P	08 42 07.1	+0.7
KSCO	Kaye Sheddock	64.24 59	P	P	08 42 08.2	+0.7
AKN	Aaknes	64.24 347	eP	P	08 42 07.3	+0.3
KBL	Kabul	64.46 294	eP	P	08 42 06.5	-2.6
KBL	Kabul	64.46 294	eP	P	08 42 06.5	-2.6
SPMN	Marine on St.	64.53 49	P	P	08 42 09.2	+0.1
TUC	Tucson	64.58 70	eP	P	08 42 10.3	+0.6
TUC	Tucson	64.58 70	eP	P	08 42 10.4	+0.6
TUC	Tucson	64.58 70	eP	P	08 42 10.7	+1.0
T25A	Trinidad	64.65 62	P	P	08 42 11.1	+0.8
NB2	NORSAR Subarra	64.66 344	P	P	08 42 09.2	-0.6
NB2	NORSAR Subarra	64.66 344	P	P	08 42 09.2	-0.6
NOA	NORSAR Array B	64.66 344	P	P	08 42 09.5	-0.3
NOA	NORSAR Array B	64.66 344	P	P	08 42 09.5	-0.3

NOA	NORSAR Array B	64.66 344	P	P	08 42 09.5	-0.3
NOA	NORSAR Array B	64.66 344	P	P	08 42 09.5	-0.3
NOA	NORSAR Array B	64.66 344	P	P	08 42 09.5	-0.3
BGNE	Belgrade	64.79 55	P	P	08 42 10.6	-0.4
LPSR	Galich ya Gora	64.81 325	eP	P	08 42 08.9	-1.9
LPSR	Galich ya Gora	64.81 325	eP	P	08 42 08.5	-0.4
NC602	NORSAR Array S	64.89 344	eP	P	08 42 10.7	-0.5
VRH	Novokhopovsk	64.91 322	eP	P	08 42 09.8	-1.7
VRH	Novokhopovsk	64.91 322	eP	P	08 42 08.8	-0.9
D41A	Chassel	65.03 45	P	P	08 42 12.0	-0.3
ANMO	Albuquerque	65.12 65	P	P	08 42 14.4	+0.9
ANMO	Albuquerque	65.12 65	eP	P	08 42 14.3	+0.9
ANMO	Albuquerque	65.12 65	eP	P	08 42 14.3	+0.9
ANMO	Albuquerque	65.12 65	eP	P	08 42 14.2	+0.8
G39A	Holcombe	65.23 48	P	P	08 42 13.6	-0.1
SKAR	Skarsia	65.47 345	eP	P	08 42 15.0	-0.1
SLIT	Slitere, Latvi	65.50 337	eP	IAMB	08 42 14.5	-0.6
Y22D	IRIS PASSCAL I	65.50 66	P	P	08 42 16.2	+0.4
SUE	Sulen	65.63 47	eP	P	08 42 15.3	-0.6
G40A	Rib Lake	65.68 47	P	P	08 42 16.4	-0.2
VSR	Storzhevoye	65.85 324	eP	P	08 42 16.5	-1.1
VSR	Storzhevoye	65.85 324	eP	P	08 42 25.3	-0.4
CBKS	Cedar Bluff	65.91 57	P	P	08 42 18.0	-0.3
VORD	Divnogorie	66.01 324	eP	P	08 42 17.8	-0.8
VORD	Divnogorie	66.01 324	eP	P	08 42 25.9	-0.8
ASK	Askoy	66.12 347	eP	P	08 42 19.6	+0.5
IZAR	Zarasai	66.14 334	eP	IAMB	08 42 18.8	-0.5
121A	Cookes Peak, D	66.14 67	P	P	08 42 21.3	+1.3
BER	Bergen	66.20 347	eP	P	08 42 19.8	+0.1
E43A	Lone Tree Farm	66.24 44	P	P	08 42 20.0	-0.2
KONO	Kongsberg	66.24 344	eP	P	08 42 19.9	-0.1
KONO	Kongsberg	66.24 344	eP	P	08 42 19.9	-0.1
KONO	Kongsberg	66.24 344	eP	P	08 42 19.8	-0.1
ISAL	Salakas	66.33 334	eP	IAMB	08 42 20.0	-0.6
ISAL	Salakas	66.33 334	eP	IAMB	08 42 22.1	
ODDI	Odda	66.46 346	eP	P	08 42 22.1	+0.6
IIGN	Ignalina	66.49 333	eP	IAMB	08 42 21.8	+0.2
IIGN	Ignalina	66.49 333	eP	IAMB	08 42 23.1	
SCHO	Schefferville	66.53 28	P	P	08 42 22.0	+0.1
MICGM	Minsk	66.77 332	eP	LR	08 42 24.0	+0.6
MICGM	Minsk	66.77 332	eP	LR	09 14 06.0	
SCIA	State Center	66.85 51	eP	P	08 42 24.0	+0.6
SCIA	State Center	66.85 51	eP	P	08 42 24.3	+0.2
SCIA	State Center	66.85 51	eP	P	08 42 24.4	+0.2
HSIG	Blasjo	66.89 72	eP	P	08 42 25.4	+0.8
BL5S	Blasjo	66.96 346	eP	P	08 42 24.6	0.0
D46A	Sault Ste Mari	67.09 42	P	P	08 42 24.2	-1.4
MATQ	Matagami	67.28 37	P	P	08 42 25.5	-1.3
H2A	Draeger Farm,	67.33 47	P	P	08 42 26.8	-0.4
D47A	Chapleau	67.34 42	P	P	08 42 26.0	-1.2
H43A	Windswept, Lux	67.39 46	P	P	08 42 27.0	-0.5
E46A	Sault Ste Mari	67.39 43	P	P	08 42 26.3	-1.3
JFWS	Jewell Farm	67.48 49	P	P	08 42 26.9	-1.3
L40A	Anamosa	67.68 50	P	P	08 42 28.9	-0.6
E47A	Iron Bridge	67.75 42	P	P	08 42 28.8	-0.9
AMTX	Amarillo	67.80 62	P	P	08 42 30.1	-0.3
GEYT	Allbeck	67.87 393	LR	LR	09 14 56.7	
G45A	Suttons Bay	67.87 44	P	P	08 42 29.9	-0.7
D49A	Beulah Townshi	67.88 40	P	P	08 42 29.5	-1.1
MSTX	Muleshoe	67.89 63	eP	P	08 42 31.6	+0.6
MSTX	Muleshoe	67.89 63	eP	P	08 42 30.7	-0.3
G46A	Petoskey	67.99 44	P	P	08 42 30.4	-0.9
LSQO	Lebel-sur-Quev	68.10 37	P	P	08 42 30.9	-1.0
E48A	Lockeyer	68.19 41	P	P	08 42 31.6	-1.0
CHGQ	Chibougamau	68.33 35	P	P	08 42 32.4	-1.0
N40A	Mertquaque, Sal	68.42 51	P	P	08 42 33.8	-0.2
L42A	Oliver, Polo	68.46 49	P	P	08 42 33.5	-0.8
H46A	Fife Lake	68.47 44	P	P	08 42 33.9	-0.4
K43A	Burlington	68.53 48	P	P	08 42 34.2	-0.5
F48A	Evansville	68.53 42	P	P	08 42 33.7	-0.9
M41A	Milan	68.54 50	P	P	08 42 34.2	-0.6
VLDO	Vai d'Or	68.71 38	eP	P	08 42 33.2	-2.5
KLNR	Kalininograd	68.73 336	eP	P	08 42 34.8	-0.9
E50A	Wahnapitae	68.81 41	P	P	08 42 35.1	-1.3
F49A	Sandfield	68.82 42	P	P	08 42 35.8	-0.7
I46A	Reed City	68.84 45	P	P	08 42 36.2	-0.4
N41A	Hann Midland	68.91 51	P	P	08 42 36.8	-0.3
I47A	Gladwin	69.18 44	P	P	08 42 38.1	-0.7
E51A	G1948 Merrick	69.22 40	P	P	08 42 37.7	-1.3
J46A	Howard City	69.22 46	P	P	08 42 38.7	-0.3
D52A	ZEK Kipawa Sen	69.28 39	P	P	08 42 38.2	-1.1
MUD	Monsted U'grnd	69.35 343	iP	P	08 42 40.3	+0.8
MUD	Monsted U'grnd	69.35 343	iP	P	08 42 40.3	+0.8
D53A	Lac Vacive, Po	69.47 38	P	P	08 42 39.3	-1.2
D53A	Lac Vacive, Po	69.47 38	P	P	08 42 39.7	-0.8
TOBO	Tobermory, Bru	69.47 42	P	P	08 42 39.4	-1.2
WMOK	Wichita Mounta	69.47 60	P	P	08 42 41.1	+0.3

F51A	Arnstein	69.55 40	P	P	08 42 39.7	-1.3
AKASG	Malin Array Be	69.67 329	P	P	08 42 40.9	-0.7
J47A	Sumner	69.67 45	P	P	08 42 41.5	-0.3
K46A	Dorr	69.69 46	P	P	08 42 41.5	-0.4
M44A	Midewin, Midew	69.69 48	P	P	08 42 41.0	-0.9
E52A	Mattawa	69.75 39	P	P	08 42 41.2	-1.1
HDIL	Hopedale	69.77 50	P	P	08 42 41.9	-0.6
D54A	Lac Fusel, La	69.81 38	P	P	08 42 41.7	-0.9
F52A	Sundridge	69.89 40	P	P	08 42 42.2	-0.9
KLBO	Killbuck Provi	69.90 41	P	P	08 42 42.1	-1.1
L46A	Eue Claire	70.00 47	P	P	08 42 43.1	-0.7
K47A	Vermontville	70.05 46	P	P	08 42	

26d 8h

Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP. Rows include stations like S57A Dark Hollow, R, V53A Saluda, Q59A Harwood, Y50A Piedmont, MORH Mrqy, Hungary, U55A TA2, Sparta, LRAL Lakeview Retre, W53A Cullowhee, Z49A Columbiana, R58B Mineral, V54A Nebo, X52A Dahlonega, Y51A Rockmark, R59A King George, V, Z50A Ashland, T57A Hurt, S58A Poland Farm, P, BFO Black Forest, BFO Black Forest, U56A King, V55A Taylorsville, SOKA Soboth, 149A Jones, KBA Koelnreinsper, S59A Mechanicsville, X53A Estanollee, W54A Cherokee Point, Z51A Franklin, RETA Reutte, WTAA Watterberg, T58A Grand View Arc, ECH Echery, ECH Echery, OBKA Obir, BR131 Keskin Array S, BRTR Keskin Array B, YOTA Moosalm, M52A Lilburn, U57A Blanch, V56A Mocksville, 249A Camden, 150A Eclectic, MYKA Terra Mystica, SQTA Sankt Quirin, ANTO Anarka, ANTO Anarka, KMSC Kings Mountain, A54A Belton, X57A Abfattersbach, SILT Site, V57A Coltrane Farms, DAVA Damuels, T59A Double "B" Far, Z52A Williamson, FETA Feichten, U58A Oxtord, 151A Opelika, W56A Indian Trail, PHSR Pinarhisar, X55A Gracelyn & Ava, Y54A Tignall, GOGA Godfrey, 152A Waverly Hall, V58A Windy Hill, Pi, Z53A Monticello, U59A Littleton, 251A Midway, W57A Gilead, 350A Dozier, X56A White Oak, U60A Pendleton, Y55A Saluda, V59A Middlesex, Z54A Sparta, VTS Vitoshia, VTS Vitoshia, VTS Vitoshia, TUE Stuetta, 252A Lumpkin, AS31 Alice Springs, ASAR Alice Springs, W58A Raeford, UO5S Minazif.

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Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP. Rows include stations like Z55A Blythe, 253A Americus, 154A Montrose, ALN Alexandroupoli, ALN Alexandroupoli, SSF Saint Saule, 155A Kite, KKB Krupnik, MMB Musomiste, 254A Abbeville, 353A Camilla, X60A Albert Glenn T, 156A Sylvania, TIGA Titus, 255A Hazlehurst, PDG Podgorica, LPL La Plagne, 455A Stateville, BNI Bardonecchia, BNI Bardonecchia, LFF La Frestale, 557A Orange Park, RAYN Ar Rayn, RAYN Ar Rayn, POLO Lamas de Olo, PVRL Vila Real, MVO Monovro, MTE Manteigas, ESDC Sonseca Array, ESDC, KEST Kesra, LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, SYO Syowa Base, SYO Syowa Base.

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Table with columns: Code, Station Name, Az, El, AzE, ElE, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP, AzM, ElM, AzS, ElS, AzT, ElT, AzR, ElR, AzL, ElL, AzP, ElP. Rows include stations like I07A Izee, MDPB Devils Postpil, RYN Ryan, OMMB Old Mammoth Mi, E04D Cinebar, KVN Kaiserville, NVAR Mina Array Bea, NV11 Mina Array Sit, PKM Shearon Peak, ISA Isabella, Lake Liberty, LTY Liberty, ELK Elko, B08A Colville Reser, HLID Healey, SHPR Shear Range, HEC Hector, Ludlow, BGU Big Grassy Mou, DUG Dugway, Tooele, MCMT McKenzie Canyo, SNTI Sny, U15A North Rim, HRY Holter Researc, PDAR Pinedale Array, PV07 Paradox Valley, TUC Tucson, PHWY Pilot Hill, SDCO Great Sand Dun, LENM Lemitar, BNM Barren Site, KSCO Kaye Shedlock, MSTX Muleshoe, CBKS Cedar Bluff, TX31 Lajitas Ar. Si, TXAR Lajitas Array, ECSD EROS Data Cent, MENT Mentasta, DAWY Dawson, IDC 26:08:36:22.1, 0.9, 5.64S, 151.08E, h0km, mb4.2/5, mb1.4/5.6, mb1mx3.9/40, mbtmp4.3/6, ML2.5/1, MS3.7/2, Ms1.3/7.2, ms1mx3.2/28, Error ellipse: s-maj=63.8km s-min=19.5km az=127.0, ISCJB 26:08:36:26.4, 0.6, 5.75S:0.1, 151.05E:0.1, h35km, mb4.1/11, MS4.0/1, Error ellipse: s-maj=22.5km s-min=7.5km az=135.0, NEIC 26:08:36:29.5, 2.5, 5.77S, 151.04E, h53km, 8km, mb4.3/8, MS1.5/1.4, Error ellipse: s-maj=24.6km s-min=4.5km az=138.0, ISC 26:08:36:27.7, 0.6, 5.75S:0.1, 151.05E:0.1, h35km, n31, c237/32, mb4.2/1, New Britain region, Code Station Name, Az, AzE, Phase ID, Time Res, Code Station Name, Az, AzE, Phase ID, Time Res.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SUJI Sorong, CTBH Cotabato-PC H, BUKP Musuan, etc.

WEL 26:08:38:32.7, 42'S, 171°47'E, h17km, 2km, M3.3/26, ML3.5/18, MLV3.3/26, Error ellipse: s-maj=0.0km, s-min=0.0km, Cook Strait

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMWZ Cape Campbell, BSWZ Blackbird Sta, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MRZ Mangatoinoka, TIWZ Tintock, OHWZ Ohaeka, etc.

IDC 26:08:53:44.2, 0.9, 191.39S; 67.40W, h219km, 16km, mb3.4/1, mb1 3.4/6, mb1mx3.2/34, mbtmp3.9/6, Error ellipse: s-maj=31.0km, s-min=9.3km, az=97.0

ISCJB 26:08:53:45.3, 0.0, 191.39S; 0.05:67.30W; 0.06, h211km, mb3.4/1, Error ellipse: s-maj=8.4km, s-min=5.9km, az=156.2

ISC 26:08:53:45.3, 1.0, 193.37S; 0.05:67.33W; 0.07, h211km, n14, c117/19, Southern Bolivia

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MNMCCX Minye Minye, PB11 POC Station P, etc.

ISCJB 26:09:00:58.7, 0.9, 64.73N; 0.05:30.7E; 0.2, h0km, Error ellipse: s-maj=11.0km, s-min=5.2km, az=33.5

IDC 26:09:00:58.2, 2.9, 64.51N; 31.67E, h0km, mb1 2.5/3, mb1mx2.5/38, mbtmp2.4/3, ML1.9/3, Error ellipse: s-maj=39.3km, s-min=10.2km, az=104.0

KOLA 26:09:01:00.9, 64.74N; 30.53E, h0km HEL 26:09:01:00.4, 0.3, 64.72N; 30.67E, h0km, ML2.0, Explosion

ISC 26:09:00:59.8, 1.5, 64.72N; 0.07:30.65E; 0.08, h0km, n15, c050/17, Finland-Karelia border region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MSF Maaseela, OUL Oulu, OUL Oulu, etc.

IDC 26:09:03:06.0, 6.0, 31.36S; 178.85W, h0km, mb4.5/5, mb1 4.6/6, mb1mx4.1/26, mbtmp4.5/6, ML3.5/1, Error ellipse: s-maj=28.1km, s-min=25.9km, az=63.0

ISCJB 26:09:03:07.1, 0.7, 31.28S; 0.04:179.1W; 0.1, h10km, mb4.4/16, Error ellipse: s-maj=14.2km, s-min=5.9km, az=179.1

NEIC 26:09:03:08.0, 2.2, 31.31S; 178.97W, h10km, 1km, mb4.6/15, Error ellipse: s-maj=18.8km, s-min=2.7km, az=113.0

ISC 26:09:03:08.1, 0.6, 31.28S; 0.08:179.1W; 0.1, h10km, n83, c2536/83, mb4.5/16, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GLKZ Green Lake, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, RAO Raoul Island, RAO Matakaoa Point, etc.

CTAO 26:08:53:44.2, 0.9, 191.39S; 67.40W, h219km, 16km, mb3.4/1, mb1 3.4/6, mb1mx3.2/34, mbtmp3.9/6, Error ellipse: s-maj=31.0km, s-min=9.3km, az=97.0

ISCJB 26:08:53:45.3, 0.0, 191.39S; 0.05:67.30W; 0.06, h211km, mb3.4/1, Error ellipse: s-maj=8.4km, s-min=5.9km, az=156.2

ISC 26:08:53:45.3, 1.0, 193.37S; 0.05:67.33W; 0.07, h211km, n14, c117/19, Southern Bolivia

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTAO Charters Tower, STKA Stephens Creek, BBOO Bucklebo, etc.

ISCJB 26:09:40:01.4, 1.1, 25.25S; 27.42E, h2km, ML2.8, ISC 26:09:39:59.4, 1.6, 25.23S; 0.04:27.51E; 0.05, h3km, 11km, n17, c201/34, South Africa

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like KSR Koster, KSR Koster, KSR Koster, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MSNA Messina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKASG Malin Array Be, BRTR Keskin Array B, EKA Esksda Muir Ar, etc.

WEL 26 11:45:24.3, 37'S, 117°9'E, h105km, 27km, M3.3/2, ML3.7/12, MLV3.3/2, Error ellipse: s-maj=0.0km, s-min=0.0km az=8.0, 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 MXZ Matakaoa Point, WNGZ Waionatani S, PKGZ Pakitiroa, etc.

IDC 26 11:46:48.9, 2.7, 67.75N, 33.63E, h0km, mb1 3.1/4, mb1mx3.0/42, mbtmp3.1/4, 12.2, 8/4, Error ellipse: s-maj=29.6km s-min=10.3km az=73.0

NAO 26 11:46:49.4, 0.7, 67.58N, 33.13E, ML2.9, ISC 26 11:46:45.6, 2.3, 67.57N, 0.06, 34.0E, 0.1, h12km, 9km, n20, o154/31, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Apatity, APZ9 Apatity, ARAO ARCESS Array S, etc.

ms1mx2.2/47, Error ellipse: s-maj=48.5km s-min=20.8km az=63.0

ISCJB 26 12:10:30.8, 0.0, 81°N, 0°08'97.16E, 0.09, h25km, mb3.9/10, Error ellipse: s-maj=14.4km s-min=9.2km az=145.0

NEIC 26 12:10:32.0, 0.0, 82°N, 97.17E, h29km, 9km, mb4.3/4, Error ellipse: s-maj=20.4km s-min=11.9km az=58.0

ISC 26 12:10:32.3, 1.1, 0.77N, 0.09, 97.11E, 0.10, h25km, n26, o578/21, mb3.9/10, Northern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GSI Gunungsitoli, PSI Prapat, PSI Prapat, etc.

DDA 26 12:27:46.6, 38.02N, 36.36E, h7km, 3km, ML2.6, Turkey

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

ISCJB 26 12:41:05.0, 0.6, 22.01N, 0.04, 121.29E, 0.03, h22km, 4km, Error ellipse: s-maj=6.4km s-min=4.2km az=166.6

TAP 26 12:41:05.9, 21.99N, 121.21E, h20km, 1km, ML3.0, JMA 26 12:41:06.4, 0.4, 22.31N, 121.15E, h0km, M3.5, ISC 26 12:41:06.0, 0.9, 22.10N, 0.04, 121.22E, 0.03, h18km, 8km, n66, o133/82, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like LAY Lan-yu, TSEB Hengchuen, TSEB Hengchuen, etc.

baz=337, TWK Hsiyung, 1.34 300 eP, Pn, 12 41 32.4 +1.7

baz=332, CHN4 Tsushan, 1.37 335 eP, Pn, 12 41 32.2 +1.1

baz=337, HGSD Ruisui, 1.40 8 eP, Pn, 12 41 30.8 +0.2

baz=7.0, EHY Hungye, 1.41 4 eP, Pn, 12 41 32.1 +1.4

baz=350, YUS Yu-Shan, 1.41 350 eP, Pg, 12 41 30.7 -2.5

baz=346, ALS Alishan, 1.46 345 eP, Pn, 12 41 32.4 +0.7

baz=342, CHN5 Tsaoling, 1.57 342 eP, Pn, 12 41 35.4 +0.8

baz=334, CHY Chiayi, 1.57 332 eP, Pn, 12 41 35.1 +0.6

EGFH Guangfu, 1.58 7 eP, Pn, 12 41 34.4 +1.4

WHYT Xinyi Township, 1.63 348 eP, Pn, 12 41 35.3 +1.5

baz=348, VWDT VWDT, 1.65 358 eP, Pn, 12 41 34.1 0.0

baz=352, SSLB Suanglung, 1.70 352 eP, Pn, 12 41 36.2 +1.4

WDLH Douliu, 1.70 339 eP, Pn, 12 41 36.1 +1.3

ESL Shilin, 1.72 7 eP, Pn, 12 41 35.5 +0.5

SMLT Sun Moon Lake, 1.80 351 eP, Pn, 12 41 38.6 +2.3

baz=351, WNT Yuehr, 1.83 350 eP, Pn, 12 41 38.5 +2.0

YTC Mingjian, 1.84 345 eP, Pn, 12 41 39.1 +2.5

WDGT Dungji, 1.84 309 eP, Pn, 12 41 35.7 -1.0

DPDB Guoxing, 1.94 352 eP, Pn, 12 41 40.3 +2.1

CHGB Renai, 1.95 359 eP, Pn, 12 41 38.8 +0.3

VCHM Gimei, 1.99 304 eP, Pn, 12 41 37.1 -1.6

WHF Hehuan Shan, 2.04 1 eP, Pn, 12 41 39.6 -0.2

PHUB P'eng-hu, 2.07 313 eP, Pn, 12 41 38.7 -1.1

NACB Ninganchiao, 2.10 9 eP, Pn, 12 41 39.6 -0.6

ETLH Tainan Township, 2.11 7 eP, Pn, 12 41 40.8 +0.3

TWT Tachien, 2.15 359 eP, Pn, 12 41 42.5 +1.4

NNSB Datong, 2.33 4 eP, Pn, 12 41 46.3 +2.8

NANB Nanao, 2.37 12 eP, Pn, 12 41 44.7 +0.7

NDT Datong Townshi, 2.51 6 eP, Pn, 12 41 48.1 +2.2

YHNB Yeheng, 2.56 3 eP, Pn, 12 41 47.7 +1.0

NSK Sanguang, 2.57 3 eP, Pn, 12 41 48.3 +1.5

EOSI EOSI, 2.58 19 eP, Pn, 12 41 48.7 +1.9

JYNG Yonangujijimaku, 2.83 34 eP, Pn, 12 41 49.8 -0.5

JYNG Shuangxi, 2.92 11 eS, Pn, 12 41 23.8 -0.2

TIPB Hatemura jima, 3.08 50 eS, Sn, 12 42 27.9 -2.2

HATJ Hatemura jima, 3.08 50 eS, Sn, 12 42 27.9 -2.2

IRIF Iriomote-Funau, 3.21 46 eP, Pn, 12 41 55.6 +0.1

IRIF Kuro-shima, 3.34 50 eS, Pn, 12 42 31.4 -1.9

JKRS Ishigaki jima, 3.51 49 eS, Sn, 12 42 35.1 -1.4

JJI Ishigaki jima, 3.51 49 eS, Sn, 12 42 35.1 -1.4

JISG Ishigakijimahi, 3.77 48 eP, Pn, 12 42 08.8 -2.0

JISG Tarama, 4.08 51 eS, Sn, 12 42 46.8 -0.4

JTU Tarama, 4.08 51 eS, Sn, 12 42 47.3 -0.2

JTU Tarama, 4.08 51 eS, Sn, 12 42 53.7 -1.1

MAN 26 12:43:02.3, 7.85N, 124.52E, h17km, mb3.8, ML2.6, MS2.1, ID, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BUKP Musuan, BUKP Musuan, CTBH Cotabato-PC H, etc.

NIED 26 12:44:00.47, 10N, 152.90E, h65km, Mw4.4 Best double couple: M3.83000x1015 NPI:341.00000, 314.00000, 7.4.00000, NP2:247.00000, 889.00000, 1.104.00000, ISCJB 26 12:44:01.7, 0.5, 46.53N, 0.07, 153.24E, 0.08, h35km, mb3.8/15, MS3.0/3, Error ellipse: s-maj=11.4km s-min=3.7km az=143.0

SKHL 26 12:44:02.5, 0.8, 46.26N, 153.56E, h64km, 2km, mb4.4/10 MOS 26 12:44:03.9, 0.9, 46.70N, 153.06E, h56km, mb4.2/8, Error ellipse: s-maj=12.7km s-min=8.0km az=56.0

IDC 26 12:44:07.8, 2.5, 46.84N, 152.96E, h68km, 22km, mb3.5/15, mb1 3.7/20, mb1mx3.5/59, mbtmp3.8/20, MS3.0/5, Ms1 3.0/5, ms1mx2.8/30, Error ellipse: s-maj=21.7km s-min=14.1km az=150.0

ISC 26 12:44:03.2, 0.7, 46.49N, 0.08, 153.27E, 0.07, h35km, n67, o194/73, mb3.8/15, MS3.0/3, CTB, Kuril Islands

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

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like WRAK, F04D, C06D, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PDAR, VOG, GRAC, LAO, etc.

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

E46A	Sault Ste Mari	30.28	80	P	P	13 03 36.2	-0.1
H46A	File Lake	30.51	83	P	P	13 03 38.6	+0.3
O44A	Mansfield	30.62	93	P	P	13 03 39.4	0.0
I46A	Reed City	30.63	85	P	P	13 03 39.2	-0.2
D47A	Chapleau	30.76	78	P	P	13 03 40.8	+0.3
J46A	Haward City	30.78	86	P	P	13 03 40.7	-0.1
MIAR	Mount Ida	30.82	107	P	P	13 03 42.3	+1.2
E47A	Iron Bridge	30.89	79	P	P	13 03 42.2	+0.5
K46A	Dorr	31.02	87	P	P	13 03 42.4	-0.4
G47A	Hillman	31.08	81	P	P	13 03 43.5	+0.2
435B	Jarrell	31.09	117	P	P	13 03 44.1	+0.6
H47A	Mio	31.12	83	P	P	13 03 43.5	-0.2
I47A	Gladwin	31.19	84	P	P	13 03 44.4	+0.1
W41B	Gary Mavity, V	31.23	104	P	P	13 03 45.1	+0.4
X40A	Basin Creek Fa	31.31	106	P	P	13 03 46.3	+0.8
SFIN	Lafayette	31.38	92	P	P	13 03 44.9	-1.1
K47A	Vermontville	31.53	86	P	P	13 03 47.0	0.0
S44A	Carbondale	31.53	98	P	P	13 03 47.4	0.0
F48A	Evansville	31.58	80	P	P	13 03 48.2	+0.5
E48A	Lockeey	31.58	78	P	P	13 03 47.0	-0.7
I48A	Sherman Twp	31.63	83	P	P	13 03 48.3	+0.2
H48A	Harrisville	31.63	82	P	P	13 03 48.5	+0.3
P46A	Rosedale	31.73	93	P	P	13 03 49.4	+0.3
L47A	Sherwood	31.75	88	P	P	13 03 49.3	+0.1
D49A	Beulah Townshi	31.76	76	P	P	13 03 49.4	0.0
M47A	Cromwell	31.80	89	P	P	13 03 50.3	+0.5
833A	Chaparral WMA,	31.95	122	P	P	13 03 52.3	+1.1
F49A	Sandfield	31.97	79	P	P	13 03 50.9	-0.2
N47A	Urbana	32.01	90	P	P	13 03 51.5	0.0
SUNO	Sudbury Onapin	32.03	77	P	P	13 03 52.4	+0.7
NATX	Nacogdoches	32.09	112	P	P	13 03 53.2	+0.9
Z41A	Richland Creek	32.16	108	P	P	13 03 53.6	+0.7
L48A	N Adams	32.26	87	P	P	13 03 53.4	-0.3
KILO	Kirkland Lake	32.29	73	P	P	13 03 55.2	+1.3
I49A	Point Hope	32.30	83	P	P	13 03 54.2	+0.2
M48A	Edgerton	32.31	88	P	P	13 03 53.6	-0.6
N48A	Decatur	32.45	89	P	P	13 03 55.2	-0.1
E50A	Wahnapitae	32.50	77	P	P	13 03 55.6	-0.2
TOBO	Tobermory, Bru	32.53	80	P	P	13 03 55.8	-0.2
O48A	Farmland	32.69	90	P	P	13 03 57.4	-0.1
HKT	Hockley	32.72	115	eP	P	13 03 57.5	-0.2
HKT	Hockley	32.72	115	eP	P	13 03 57.5	-0.2
M49A	Liberty Center	32.80	88	P	P	13 03 57.9	-0.5
N49A	Columbus Grove	32.95	89	P	P	13 03 59.6	-0.2
P48A	Milroy	32.96	92	P	P	13 03 59.8	-0.1
BMRO	Merriville Lake	33.01	81	P	P	13 03 59.6	-0.7
Q48A	North Vernon	33.06	93	P	P	13 04 00.9	+0.2
WCI	Wyandotte Cave	33.10	94	P	P	13 04 01.5	+0.3
F51A	Arnstein	33.23	78	P	P	13 04 02.2	0.0
E51A	G1948 Merrick	33.23	77	P	P	13 04 01.3	-0.9
L50A	Kingsville	33.25	86	P	P	13 04 02.1	-0.2
O49A	Covington	33.25	90	P	P	13 04 01.8	-0.6
KLBO	Killbear Provi	33.30	79	P	P	13 04 02.0	-0.7
T47A	Sharon Grove	33.33	97	P	P	13 04 02.8	-0.3
P49A	Miami Univ. Ec	33.37	91	P	P	13 04 02.7	-0.8
WVT	Waverly	33.39	99	eP	P	13 04 02.8	-0.9
WVT	Waverly	33.39	99	eP	P	13 04 02.8	-0.9
WVT	Waverly	33.39	99	P	P	13 04 03.1	-0.6
V46A	Holladay	33.41	99	P	P	13 04 03.5	-0.3
OXF	Oxford	33.42	103	P	P	13 04 04.3	+0.3
M50A	Fremont	33.43	87	P	P	13 04 03.1	-0.9
EEO	Eldae	33.45	76	P	P	13 04 03.6	-0.5
PLIO	Pelee Island,	33.51	86	P	P	13 04 03.7	-1.0
Q49A	Aurora	33.55	92	P	P	13 04 04.2	-0.9
F52A	Sundridge	33.66	78	P	P	13 04 06.2	+0.2
CLWO	Collingwood	33.66	80	P	P	13 04 05.6	-0.4
W46A	Michie	33.67	101	P	P	13 04 06.1	-0.1
N50A	Nevada	33.70	88	P	P	13 04 06.2	-0.1
D52A	ZEK Kipawa Sen	33.72	75	P	P	13 04 05.8	-0.6
K51A	Iona Station	33.73	84	P	P	13 04 06.3	-0.3
O50A	Cable	33.73	89	P	P	13 04 06.6	-0.1
LSQO	Lebel-sur-Ouev	33.75	71	P	P	13 04 07.0	+0.4
BUKO	Buck Lake	33.77	78	P	P	13 04 06.6	-0.3
V47A	Nunnally	33.78	99	P	P	13 04 07.0	0.0
R49A	Shelbyville	33.79	93	P	P	13 04 06.9	-0.2
VLDQ	Val d'Or	33.84	73	P	P	13 04 05.2	-2.2
E52A	Mattawa	33.86	77	P	P	13 04 07.2	-0.5
LG4O	La Grande 4	33.87	62	P	P	13 04 06.4	-1.3
X46A	Booneville	33.91	102	P	P	13 04 08.4	+0.2
P50A	Jamestown	33.92	90	P	P	13 04 07.9	-0.3
S49A	Springfield	34.01	94	P	P	13 04 08.9	-0.2
W47A	Westpoint	34.09	100	P	P	13 04 09.2	-0.6
ACSO	Alum Creek Sta	34.10	89	P	P	13 04 09.2	-0.6
D53A	Lac Vache, Po	34.11	75	eP	P	13 04 09.2	-0.6
D53A	Lac Vache, Po	34.11	75	P	P	13 04 10.0	+0.2

N51A	Ashland	34.11	87	P	P	13 04 09.6	-0.4
Q50A	Georgetown	34.23	92	P	P	13 04 10.5	-0.5
T49A	Edmonton	34.26	95	P	P	13 04 10.8	-0.4
V48A	Smith Brothers	34.27	98	P	P	13 04 11.1	-0.3
VBMS	Vicksburg	34.27	107	P	P	13 04 10.9	-0.4
R50A	Paris	34.33	93	P	P	13 04 12.1	+0.2
O51A	Pataskala	34.38	89	P	P	13 04 12.2	-0.1
ALGO	Algonquin Park	34.38	77	P	P	13 04 12.2	0.0
G53A	Haliburton	34.41	78	P	P	13 04 12.1	-0.3
E53A	DuMoine, Ponti	34.44	76	P	P	13 04 12.9	+0.2
U49A	Red Boiling Sp	34.46	96	P	P	13 04 12.8	-0.1
P51A	Williamsport	34.46	90	P	P	13 04 12.4	-0.5
Q51A	Peebles	34.53	91	P	P	13 04 13.4	-0.2
FRB	Frobisher Bay	34.57	44	P	P	13 04 13.6	0.0
W48A	Pulaski	34.58	99	P	P	13 04 13.9	-0.2
S50A	Richmond	34.64	94	P	P	13 04 14.8	+0.2
E54A	Lac Duplat, Po	34.71	76	P	P	13 04 14.9	-0.2
D54A	Lac Fusel, La	34.73	74	P	P	13 04 14.7	-0.4
T50A	Nancy	34.75	95	P	P	13 04 15.1	-0.4
R51A	Hillsboro	34.80	92	P	P	13 04 16.0	+0.1
V49A	McMinville	34.84	98	P	P	13 04 16.2	-0.1
M53A	W J Miller and	34.92	85	P	P	13 04 16.4	-0.6
X48A	Hartselle	34.95	100	P	P	13 04 16.8	-0.5
P52A	Corning	34.97	89	P	P	13 04 16.7	-0.7
W49A	Belvidere	35.02	99	P	P	13 04 17.7	-0.1
BILL	Bilbino	35.12	324c	P	P	13 04 20.1	+1.8
U50A	Jamestown	35.12	96	P	P	13 04 18.4	-0.3
N53A	Liston	35.16	86	P	P	13 04 18.7	-0.3
S51A	Beattyville	35.18	93	P	P	13 04 19.2	0.0
O53A	New Philadelphia	35.22	87	P	P	13 04 19.2	-0.3
Y48A	Jasper	35.22	101	P	P	13 04 19.5	-0.1
Q52A	Bidwell	35.26	90	P	P	13 04 19.6	-0.3
T51A	Gray	35.35	94	P	P	13 04 20.8	+0.1
X49A	Woodville	35.37	100	P	P	13 04 21.0	+0.2
L54A	Sinclairville	35.38	83	P	P	13 04 20.8	-0.1
R52A	Cattlettsburg	35.38	91	P	P	13 04 20.9	0.0
PLVO	Pleasant	35.41	78	P	P	13 04 21.1	0.0
I55A	Frankford	35.43	79	P	P	13 04 20.9	-0.3
MEDO	Medina	35.45	81	P	P	13 04 21.2	-0.3
P53A	Whipple	35.53	89	P	P	13 04 21.8	-0.4
M54A	Oil Creek Stat	35.53	85	P	P	13 04 21.7	-0.5
G55A	Calabogie	35.54	77	P	P	13 04 21.8	-0.4
W50A	Signal Mountai	35.57	98	P	P	13 04 22.5	-0.1
H55A	Tweed	35.58	78	P	P	13 04 21.7	-0.8
K54A	Basiliko Farm,	35.58	82	P	P	13 04 22.0	-0.7
N54A	Monroe State	35.62	86	P	P	13 04 22.2	-0.7
U51A	La Follette	35.66	95	P	P	13 04 22.8	-0.6
Y49A	Blount Mountai	35.73	101	P	P	13 04 23.7	-0.3
O54A	Avella	35.79	87	P	P	13 04 23.7	-0.8
Q53A	Leroy	35.80	90	P	P	13 04 23.7	-0.8
V51A	Loudon	35.80	96	P	P	13 04 24.0	-0.6
X50B	Fort Payne	35.83	99	P	P	13 04 24.7	-0.1
R53A	Hurricane	35.83	91	P	P	13 04 23.7	-1.0
TZTN	Tazewell	35.84	93	P	P	13 04 25.2	+0.1
T52A	Hall	35.88	93	P	P	13 04 24.9	-0.4
LRAL	Lakeview Retre	35.91	102	P	P	13 04 25.4	-0.1
K55A	Perry	35.92	82	P	P	13 04 24.9	-0.6
VABO	Val Des Bois	35.93	75	P	P	13 04 25.3	-0.2
W51A	Cleveland	35.95	97	P	P	13 04 26.0	+0.2
L55A	Hinsdale	35.96	83	P	P	13 04 25.7	-0.2
U52A	Thorn Hill	36.07	94	P	P	13 04 27.1	+0.2
Z49A	Columbiana	36.09	101	P	P	13 04 27.1	0.0
GAC	Glenn Almond	36.10	76	P	P	13 04 27.0	0.0
M55A	Ridgway	36.13	84	P	P	13 04 27.3	-0.1
H56A	Elgin	36.14	78	P	P	13 04 27.0	-0.3
Y50A	Piedmont	36.14	100	P	P	13 04 27.6	+0.2
Q54A	Coxs Mills	36.17	89	P	P	13 04 27.5	-0.1
T53A	Wise	36.25	93	P	P	13 04 28.4	0.0
X51A	Calhoun	36.26	98	P	P	13 04 28.6	+0.1
TKL	Tuckaleeches C	36.26	96	P	P	13 04 28.3	-0.2
V52A	Sevierville	36.26	95	P	P	13 04 28.5	0.0
149A	Jon	36.33	102	P	P	13 04 29.3	+0.3
N55A	Marion Center	36.36	85	P	P	13 04 29.2	-0.1
TRQ	Tremblant	36.43	74	P	P	13 04 30.5	+0.6
Z50A	Ashland	36.44	101	P	P	13 04 30.1	+0.1
O55A	Ligonier	36.47	86	P	P	13 04 29.8	-0.4
M56A	Emporium	36.49	84	P	P	13 04 30.0	-0.4
W52A	Murphy	36.52	97	P	P	13 04 30.6	-0.1
R54A	Victory	36.53	90	P	P	13 04 30.6	-0.1
249A	Camden	36.54	104	P	P	13 04 31.3	+0.5
S54A	Dingess, Beckl	36.55	91	P	P	13 04 30.7	-0.3
Y51A	Rockmart	36.56	99	P	P	13 04 31.2	+0.1
U53A	Fall Branch	36.59	94	P	P	13 04 31.4	+0.1
N56A	West Decatur	36.72	84	P	P	13 04 32.1	-0.3
150A	Eclectic	36.80	102	P	P	13 04 33.3	+0.1
T54A	Tazewell	36.81	92	P	P	13 04 33.1	-0.1

X52A	Dahlonega	36.85	97
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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like 757A Oxford, SEY Seymchan, SEY Seymchan, 758A Lake Helen, etc.

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Table with columns for call sign, frequency, mode, and other parameters. Includes stations like JNH comp=Z,15nm,1.5s, CN2 SUF Changchun, PMOR Pomarioro Ree, etc.

1404

Table with columns for call sign, frequency, mode, and other parameters. Includes stations like CDF Champ du Feu, CDF Saint Saulge, SSF Saint Saulge, etc.

UGLR		S	Sn	14 29 44.3	-0.1	
KRMR	Karymshinskiy	1.46 305	eP	Sn	14 29 25.9	-0.5
KRMR		1.49 43.8	eS	Pn	14 29 43.8	-1.0
KRMR	Karymshinskiy	1.46 305	PN	Pn	14 29 25.9	-0.5
KRMR		1.48 330	S	Sn	14 29 43.8	-1.0
SDLR	Sedlovina	1.49 320	PN	Pn	14 29 26.2	-0.5
SDLR	Sedlovina	1.48 330	PN	Pn	14 29 26.2	-0.5
SMAR	Somma	1.49 329	eP	Pn	14 29 26.5	-0.5
SMAR	Somma	1.49 329	PN	Pn	14 29 26.5	-0.5
AVH	Avacha	1.51 327	iP	Pn	14 29 27.2	0.0
AVH	Avacha	1.51 327	PN	Pn	14 29 27.2	0.0
KRKR	Koryakskii	1.51 328	eP	Pn	14 29 28.0	+0.1
KRKR	Koryakskii	1.54 328	PN	Pn	14 29 28.7	+0.7
KOK	Koryaka	1.57 326	eP	Pn	14 29 28.7	+0.7
KOK	Koryaka	1.57 326	PN	Pn	14 29 28.7	+0.7
KRX	Arik	1.62 328	eP	Pn	14 29 28.5	-0.2
KRX	Arik	1.62 328	PN	Pn	14 29 28.5	-0.2
PETK	Petrovavlovsk-	1.84 308	P	Pn	14 29 32.2	+0.6
PETK	43nm,0.3s,baz=114,slow=20,SNR=563		S	Sn	14 29 54.2	+0.1
PETK	43nm,0.3s,baz=94,slow=29,SNR=7.0		LR	LR	14 30 03.6	
PETK	comp=L,81nm,20.9s,baz=70,slow=34		LR	LR	14 30 03.6	
PETK	Petrovavlovsk-	1.84 308	PN	Pn	14 29 32.2	+0.6
PETK		1.84 308	PN	Pn	14 29 54.2	+0.1
PETK	comp=Z,43nm,0.3s		pmx	pmx		
PETK	comp=N,43nm,0.3s		smx	smx		
APC	Apacha	2.02 298	eP	Pn	14 29 35.2	+1.1
APC		2.02 298	eS	Sn	14 30 00.7	+2.1
APC	Apacha	2.02 298	PN	Pn	14 30 00.7	+2.1
APC		2.02 298	S	Sn	14 30 00.7	+2.1
PAU	Pauzhetka	2.11 257	eP	Pn	14 29 36.1	+0.8
PAU	Pauzhetka	2.11 257	PN	Pn	14 29 36.1	+0.8
GNL	Ganally	2.14 323	eP	Pn	14 29 36.5	+0.7
GNL	Ganally	2.14 323	PN	Pn	14 29 36.5	+0.7
MKZ	Mys Kozlova	2.74 20	eP	Pn	14 29 40.0	+1.1
MKZ	Mys Kozlova	2.74 20	eS	Sn	14 30 15.7	-0.6
MKZ		2.74 20	PN	Pn	14 29 40.0	+1.1
MKZ		2.74 20	S	Sn	14 30 15.7	-0.6
SKR	Severo-Kuril's	2.82 244	eP	Pn	14 29 45.3	+0.3
SKR		2.82 244	eS	Sn	14 30 18.3	0.0
SKR	Severo-Kuril's	2.82 244	PN	Pn	14 29 45.3	+0.3
SKR		2.82 244	S	Sn	14 30 18.3	0.0
KZV	Kizimen	3.12	2 eP	Pn	14 29 50.7	+1.4
KZV	Kizimen	3.12	2 PN	Pn	14 29 50.7	+1.4
TUMD	Tumrok D	3.21	3 eP	Pn	14 29 51.3	+0.8
TUMD		3.21	3 S	Sn	14 30 05.9	+1.2
TUMR	Tumrok	3.29	0 eP	Pn	14 29 53.5	+1.9
TUMR	Tumrok	3.29	0 PN	Pn	14 29 51.3	-0.3
TUMR		3.29	0 S	Sn	14 30 28.3	-1.7
ESO	Esso	4.02 349	eP	Pn	14 30 04.4	+2.9
ESO		4.02 349	S	Sn	14 30 04.4	+2.9
LGNR	Loginova	4.12	5 eP	Pn	14 30 04.7	+1.7
LGNR	Loginova	4.11	5 PN	Pn	14 30 04.7	+1.7
CIRR	Tsirik	4.14	5 eP	Pn	14 30 05.3	+2.0
CIRR	Tsirik	4.14	5 PN	Pn	14 30 05.3	+2.0
KRSR	Krestovskiy	4.24	4 eP	Pn	14 30 05.8	+1.2
KRSR	Krestovskiy	4.24	4 PN	Pn	14 30 08.0	+2.2
SRDR	Sredinnyy	4.33 357	eP	Pn	14 30 08.0	+2.2
SRDR	Sredinnyy	4.33 357	PN	Pn	14 30 08.0	+2.2
KLY	Klyuchi	4.33	4 eP	Pn	14 30 08.6	+2.8
KLY	Klyuchi	4.33	4 PN	Pn	14 30 08.6	+2.8
KBTR	Krutoberegovo	4.51	20 eP	Pn	14 30 09.0	+0.8
KBTR	Krutoberegovo	4.51	20 PN	Pn	14 30 09.7	+1.2
KBG	Krutoberegovo	4.53	19 eP	Pn	14 30 09.7	+1.2
KBG	Krutoberegovo	4.53	19 PN	Pn	14 30 09.7	+1.2
BDR	Baidarnaya	4.62	8 eP	Pn	14 30 12.8	+2.9
BDR	Baidarnaya	4.62	8 PN	Pn	14 30 12.8	+2.9
SMKR	Semkarok	4.66	9 eP	Pn	14 30 12.7	+3.3
SMKR	Semkarok	4.66	9 PN	Pn	14 30 12.7	+3.3
SRKR	Sorokina	4.71	7 eP	Pn	14 30 13.6	+2.6
SRKR	Sorokina	4.71	7 PN	Pn	14 30 13.6	+2.6
BKI	Bering	4.75	45 eP	Pn	14 30 11.3	-0.2
BKI	Bering	4.75	45 S	Sn	14 31 01.9	-3.8
MJAR	Matsushiro Arr	21.88 234	P	Pn	14 30 11.3	-0.2
MJAR	Matsushiro Arr	21.88 234	P	Pn	14 33 53.2	+0.6
ILAR	Eielson Array	29.59	44	P	14 35 05.1	+0.8
H11N2	WAKE ISLAND Hy	32.66 168	T	T	15 11 21.3	
H11N3	WAKE ISLAND Hy	32.66 168	T	T	15 11 24.7	
H11N1	WAKE ISLAND Hy	32.66 168	T	T	15 11 22.7	
H11S1	WAKE ISLAND Hy	33.82 169	T	T	15 12 47.4	
H11S3	WAKE ISLAND Hy	33.83 169	T	T	15 12 39.8	
H11S2	WAKE ISLAND Hy	33.84 169	T	T	15 12 58.9	
MKAR	Makanchi Array	48.64 297	P	P	14 37 40.9	-2.4
ARCES	ARCCESS Array B	54.33 342	P	P	14 38 24.8	-0.7
FINES	FINESS Array B	61.13 337	P	P	14 39 12.4	-0.8
NB2	NORSAR Subarra	64.59 344	P	P	14 39 36.5	+0.1
NOA	NORSAR Array B	64.59 344	P	P	14 39 36.7	+0.3
TXAR	Lajitas Array	71.07 67	P	P	14 40 19.1	+1.4
BRTR	Keeskin Array B	77.47 321	P	P	14 40 54.4	-0.5
ASAR	Alice Springs	78.76 204	P	P	14 41 02.8	+0.9

DSRI	Dabo	5.35	91	P	Pn	14 37 39.3	+1.2
MNAI	Manna	5.39	136	P	Pn	14 37 38.7	0.0
MLSI	Meulaboh, Aceh	5.45	329	P	Pn	14 37 39.7	+0.2
LPHI	Lahat	5.46	128	P	Pn	14 37 40.9	+1.3
TPRI	Tanjung Pinang	5.47	76	P	Pn	14 37 41.3	+1.6
KULI	Kulim	5.86	14	ePn	Pn	14 37 46.1	+1.0
LHMI	Lhok Sumawe	6.07	338	P	Pn	14 37 48.9	+1.0
PMBI	Palembang	6.07	114	P	Pn	14 37 47.6	-0.4
MDSI	Maura Dua	6.38	129	P	Pn	14 37 53.1	+0.9
LWLI	Liwa	6.64	133	P	Pn	14 37 56.9	+1.1
KLSI	Kalang Pinang	6.94	128	P	Pn	14 38 00.8	+1.0
KLSI	Kalang Pinang	7.12	104	P	Pn	14 38 01.3	+1.3
KLI	Potabumi	7.14	128	P	Pn	14 38 03.3	+0.7
KASI	Kota Angka	7.30	134	P	Pn	14 38 04.9	+0.1
SKLT	Songkhla	7.68	10	P	Pn	14 38 12.4	+2.4
TRTT	Trang	7.77m,1.2s,795nm,0.3nm		P	Pn	14 38 11.6	+0.5
BLSI	Bandar Lampung	8.23	3	P	Pn	14 38 19.2	+1.7
PKDT	Phuket	9.1m,1.0s,0.3nm		P	Pn	14 38 22.1	+3.3
TPI	Tanjungpandan	8.73	105	P	Pn	14 38 25.7	+1.2
CGJI	Cibinong	8.91	134	P	Pn	14 38 27.3	+0.5
LEM	Lembang	10.51	127	LR	LR	14 43 20.9	
LEM	Lembang	10.51	127	P	Pn	14 38 50.0	+1.1
JCI	Jatiwangi	10.85	124	P	Pn	14 38 57.0	+3.7
KSM	Kuching	11.24	80	ePn	Pn	14 39 01.2	+2.5
SBUM	Sibu	13.30	78	ePn	Pn	14 39 30.0	+3.0
NGI	Ngawi	14.01	120	eP	Pn	14 39 49.4	+6.8
DLV	Dalat	15.36	36	eP	P	14 39 57.7	-0.1
UTHA	Uthaitani	15.89	1	P	P	14 40 08.9	+5.4
PBKT	Sadao Pong	16.98	6	P	P	14 40 25.3	+1.0
KKM	Kota Kinabalu	18.14	69	eP	Pn	14 40 26.1	-2.4
KKM		37nm,1.0s		ePcP	PcP	14 44 59.3	-0.8
PANO	Nakornpanom	18.26	17	P	Pn	14 40 32.8	+2.7
CM31	Chiang Mai Arr	18.77	359	eP	P	14 40 33.9	-1.5
CMAR	Chiang Mai	18.77	359	P	P	14 40 34.5	-0.9
CMAR		0.4nm,0.3s,baz=188,slow=11,SNR=8.0		PcP	PcP	14 45 02.4	+1.4
CMAR		baz=211,slow=3.1,SNR=10		LR	LR	14 48 16.3	
CMAR		comp=Z,416nm,18.7s,baz=177,slow=38		LR	LR	14 48 16.3	
NONG	Nongkai	18.78	12	P	Pn	14 40 37.1	+0.7
PHRA	Phrae	18.84	3	P	Pn	14 40 42.5	+5.4
CMMT	Chiang Mai	19.13	359	P	Pn	14 40 46.4	+5.8
CHTO	Chiang Mai	19.13	359	eP	P	14 40 39.1	-0.1
CHTO	Chiang Mai	19.13	359	eP	P	14 40 39.1	-0.1
CHTO		comp=Z,6.0nm,0.9s		pmx	pmx	14 40 39.1	-0.1
PAYA	Payao	19.68	2	P	Pn	14 40 54.1	+7.0
PALK	Pallekele	20.00	293	P	Pn	14 40 51.2	+0.2
PALK	Pallekele	20.00	293	eP	Pn	14 40 47.5	-1.2
PALK	Pallekele	20.00	293	P	Pn	14 40 51.5	+0.5
PALK	Pallekele	20.00	293	eP	Pn	14 40 47.6	-1.2
TTSI	Tana Toraja	20.75	97	P	Pn	14 41 04.6	+5.1
SPSI	Sidrap Palu	20.82	100	P	Pn	14 41 05.6	+4.9
KAPI	Kappang	21.00	103	eP	Pn	14 41 02.4	+2.9
KAPI	Kappang	21.00	103	eP	Pn	14 40 59.6	+0.1
KAPI	Kappang	21.00	103	eP	pmx	14 40 59.6	+0.1
KAPI		comp=Z,33nm,0.8s		P	P	14 41 04.2	+2.2
BNSI	Bone	21.23	101	P	P	14 41 05.7	+1.6
BKSI	Bulukumba	21.42	103	P	Pn	14 41 00.0	+1.1
QIZ	Qiongzong	21.97	28	P	S	14 45 12.5	+3.2
QIZ		11nm,0.8s		pmx	pmx		
QIZ		comp=Z,190nm,2.8s		LR	LR	14 45 12.5	+3.2
QIZ		comp=Z,420nm,20.6s		LR	LR	14 45 12.5	+3.2
QIZ		comp=Z,260nm,22.6s		LR	LR	14 45 12.5	+3.2
QIZ		comp=Z,300nm,23.0s		LR	LR	14 45 12.5	+3.2
LUWI	Luwuk	23.55	92	eP	P	14 41 26.1	-0.1
LUWI	Luwuk	23.55	92	eP	P	14 41 42.0	+1.6
BBSI	Bau Bau	23.84	103	P	P	14 41 30.2	+1.4
KMI	Kunming	25.63	7	P	P	14 41 46.5	+1.3
KMI		comp=Z,66nm,1.1s,comp=Z,789nm		pP	pP	14 42 02.0	+2.4
KMI		comp=Z,790.8s,comp=Z,52nm		sP	sP	14 42 07.8	+1.2
KMI		comp=Z,17nm,1.0s		pmx	pmx		
KMI		comp=Z,200nm,15.0s		LR	LR	14 42 07.8	+1.2
KMI		comp=Z,230nm,22.2s		LR	LR	14 42 07.8	+1.2
KMI		comp=Z,250nm,26.6s		LR	LR	14 42 07.8	+1.2
BATI	Baumata	26.17	113	P	P	14 41 49.3	-0.7
BATI		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		P	P	14 41 56.2	+0.4
SHL	Shillong	26.80	345	eP	P	14 41 56.2	+0.4
SHL	Shillong	26.80	345	eP	pmx	14 41 56.2	+0.4
SHL		comp=Z,78nm,1.2s		P	P	14 41 56.0	+0.2
H08S2	Diego Garcia H	27.59	254	T	T	15 10 00.5	
H08S3	Diego Garcia H	27.60	254	T	T	15 10 07.3	
H08S1	Diego Garcia H	27.61	254	T	T	15 10 13.2	
GYA	Gulyang	27.68	14	P	P	14 42 07.3	+3.8
GYA		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		pP	pP	14 42 21.5	+3.5
GYA		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		PP	PP	14 42 59.8	-7.3
GYA		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		S	S	14 46 40.6	+4.2
GYA		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		sS	sS	14 47 10.0	+3.9
GYA		comp=Z,8.5nm,0.3s,baz=226,slow=7.1,SNR=4.1		SS	SS	14 48 10.8	+1.2
GYA		comp=Z,10.0nm,0.8s		pmx	pmx		

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like V61A Roper, V50A Loudon, V51A Pikeville, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like 253A Americus, 252A Lumpkin, 254A Abbeville, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other parameters. Includes stations like KOTS Kotrybulak, KOTS 107nm,0.3s, KOTS Kotrybulak, etc.

SNET 26 14:40:02.9:1.1, 12°06'N, 89°29'W, h33km, 43km, M.L3.9, Off coast of central America. Includes a detailed table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

SOME 26 15:10:52.5, 41°45'N, 77°60'E, h15km. Includes KNET 26 15:10:52.6, 0.1, 41°50'N, 77°54'E, h15km, mb3.1 and other station information.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other parameters. Includes stations like KDJ Kajsay, KDJ Kajsay, NRN Naryn, etc.

Table with columns: KAPS, Kapalarasan, 4.08 18 Pg Pb, 15 12 05.1 +1.4, etc.

ISCJB 26 15:12:18.2, 0.8, 33.78N, 0.04:35.78E, 0.09, h5km, 11km, Error ellipse: s-maj=13.1km s-min=5.9km az=162.4

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

DDA 26 15:12:54.1, 41.40N, 43.35E, h7km, 5km, ML2.5

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

MEX 26 15:24:28.3, 0.3, 14.92N, 93.33W, h44km, 18km, MD3.7

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

MEX 26 15:38:34.2, 0.3, 18.44N, 104.63W, h17km, 20km, MD3.5

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

SJA 26 15:56:38.3, 0.7, 28.79S, 71.34W, h54km, 43km, ML3.0

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

ADC 26 15:56:44.1, 0.5, 51.84N, 176.46W, h0km, mb4.2, 2.25, mb1.4, 3/27, mb1mx4.2, 58, mbmp4.2/27, ML4.6, MS3.0/6, Ms1.3/0.6, ms1mx2.8/43, Error ellipse: s-maj=16.7km

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

Table with columns: ADK, ADAG, Mount Adagadag, 0.33 345 eSg Sn, 15 57 07.2 +0.4, etc.

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

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

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

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

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

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

Table with columns: HLID, Hailey, 41.46 76 eP P, 16 04 33.4 +0.7, etc.

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

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

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

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

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

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

CHGQ	Chibougamau	59.17	47	P	P	16 06 44.1	-2.0
D52A	ZEK Kipawa Sen	59.31	52	P	P	16 06 46.1	-1.1
SFIN	Lafayette	59.33	63	P	P	16 06 46.4	-1.0
D53A	Lac Vacive, Po	59.59	52	P	P	16 06 47.7	-1.3
MIAR	Mount Ida	59.65	72	eP	P	16 06 48.8	-0.9
MIAR	Mount Ida	59.65	72	P	P	16 06 49.6	-0.1
E52A	Mattawa	59.67	53	P	P	16 06 48.2	-1.4
F52A	Sundridge	59.68	54	P	P	16 06 48.5	-1.3
N47A	Urbana	59.76	61	P	P	16 06 49.4	-0.9
KURK	Kurchatov	59.87	315	eP	P	16 06 50.0	-0.9
S44A	Carbondale	59.98	66	P	P	16 06 51.4	+0.5
W41B	Gary Mavity, V	60.00	70	P	P	16 06 51.2	-0.8
X40A	Basin Creek F	60.13	71	P	P	16 06 52.5	-0.5
H06N1	SOCORRO T-PHAS	60.25	97	T	T	17 12 30.0	
E54A	Lac Duplat, Po	60.29	52	P	P	16 06 52.4	-1.5
WMQ	Urumqi	60.40	304	eP	LR	16 06 55.0	+0.2
WMQ	Urumqi			LR	LR		
WMQ	Urumqi			LR	LR		
O48A	Farmland	60.48	62	P	P	16 06 53.9	-1.4
G53A	Haliburton	60.51	54	P	P	16 06 54.6	-0.8
P48A	Milroy	60.89	62	P	P	16 06 56.9	-1.2
MK32	Makanchi Array	60.99	310	eP	P	16 06 57.4	-1.3
MKAR	Makanchi Array	60.99	310	P	P	16 06 57.4	-1.3
Q48A	North Vernon	61.10	63	P	P	16 06 58.3	-1.2
P49A	Miami Univ. Ec	61.23	62	P	P	16 06 59.1	-1.3
WCI	Wyandotte Cave	61.27	64	P	P	16 07 00.2	-0.5
DRWO	Darlington Wes	61.34	55	P	P	16 07 00.6	-0.4
O50A	Cable	61.40	61	P	P	16 07 00.7	-0.9
Q49A	Aurora	61.51	62	P	P	16 07 01.1	-1.1
N51A	Ashland	61.53	59	P	P	16 07 01.7	-0.7
H55A	Tweed	61.63	53	P	P	16 07 02.0	-1.1
P50A	Jamestown	61.68	61	P	P	16 07 02.5	-0.9
T47A	Sharon Grove	61.69	65	P	P	16 07 03.0	-0.5
J54A	Appleton	61.81	55	P	P	16 07 03.6	-0.6
WVT	Waverly	61.88	67	P	P	16 07 04.0	-0.9
O51A	Pataskala	61.95	60	P	P	16 07 04.3	-0.9
V46A	Holladay	61.95	67	P	P	16 07 04.7	-0.6
N52A	McGinn's Farm,	61.97	59	P	P	16 07 04.2	-1.1
M53A	WJ Miller and	62.06	58	P	P	16 07 05.3	-0.6
H56A	Elgin	62.06	53	P	P	16 07 05.2	-0.7
OXF	Oxford	62.12	69	P	P	16 07 05.9	-0.9
Q50A	Georgetown	62.12	62	P	P	16 07 05.9	-0.5
S49A	Springfield	62.15	64	P	P	16 07 06.1	-0.5
PECO	Prince Edward	62.17	54	P	P	16 07 05.9	-0.7
V47A	Nunnally	62.27	67	P	P	16 07 06.8	-0.6
R50A	Paris	62.33	63	P	P	16 07 07.4	-0.4
Q51A	Peebles	62.34	61	P	P	16 07 07.5	-0.4
O52A	Adamsville	62.38	60	P	P	16 07 07.1	-1.1
K55A	Perry	62.49	55	P	P	16 07 08.0	-0.8
T49A	Edmonton	62.49	64	P	P	16 07 08.5	-0.4
M54A	Oil Creek Stat	62.54	57	P	P	16 07 08.6	-0.5
PLAL	Pickwick Lake	62.56	68	eP	P	16 07 08.7	-0.6
X46A	Booneville	62.57	68	P	P	16 07 09.1	-0.4
O53A	New Philadelph	62.62	59	P	P	16 07 09.2	-0.6
W47A	Westpoint	62.64	67	P	P	16 07 09.6	-0.3
L55A	Hinsdale	62.70	56	P	P	16 07 09.7	-0.5
S50A	Richmond	62.72	63	P	P	16 07 09.9	-0.5
R51A	Hillsboro	62.73	62	P	P	16 07 10.0	-0.4
V48A	Smith Brothers	62.74	66	P	P	16 07 10.3	-0.2
N54A	Moraine State	62.76	58	P	P	16 07 09.8	-0.8
U49A	Red Boiling Sp	62.78	65	P	P	16 07 10.4	-0.4
T50A	Nancy	62.95	64	P	P	16 07 11.5	-0.4
Q52A	Bidwell	62.98	61	P	P	16 07 11.4	-0.7
X47A	Russellville	63.01	68	P	P	16 07 12.0	-0.4
P53A	Whipple	63.08	60	P	P	16 07 12.3	-0.4
O54A	Avella	63.12	59	P	P	16 07 12.6	-0.4
S51A	Beattyville	63.20	63	P	P	16 07 13.0	-0.6
R52A	Catlettsburg	63.22	62	P	P	16 07 13.1	-0.6
V49A	McConnville	63.24	66	P	P	16 07 13.3	-0.6
N55A	Marion Center	63.42	57	P	P	16 07 13.8	-1.3
Q53A	Leroy	63.45	60	P	P	16 07 14.7	-0.5
T51A	Gray	63.48	63	P	P	16 07 14.9	-0.6
W49A	Belvidere	63.50	66	P	P	16 07 14.9	-0.7
X48A	Hartselle	63.53	67	P	P	16 07 14.9	-0.9
R53A	Hurricane	63.60	61	P	P	16 07 16.1	-0.2
Q54A	Coxs Mills	63.74	60	P	P	16 07 16.9	-0.2
V50A	Pikeville	63.76	65	P	P	16 07 16.6	-0.7
Y48A	Jasper	63.84	68	P	P	16 07 17.4	-0.5
U51A	La Follette	63.86	64	P	P	16 07 17.5	-0.6
X49A	Woodville	63.90	67	P	P	16 07 17.7	-0.5
T52A	Hallie	63.91	63	P	P	16 07 18.4	+0.1
W50A	Signal Mountai	63.98	66	P	P	16 07 18.4	-0.5
TZTN	Tazewell	64.01	63	P	P	16 07 18.6	-0.3
O56A	Blue Knob Stat	64.01	57	P	P	16 07 17.6	-1.3

V51A	Loudon	64.09	65	P	P	16 07 19.1	-0.4
L58A	Harry Jones Me	64.12	54	P	P	16 07 18.6	-1.0
Q55A	Buannnon	64.13	59	P	P	16 07 18.9	-0.9
N57A	Milroy	64.19	56	P	P	16 07 19.5	-0.6
U52A	Thorn Hill	64.22	63	P	P	16 07 20.1	-0.2
R54A	Victor	64.23	61	P	P	16 07 20.2	-0.2
T53A	Wise	64.25	62	P	P	16 07 20.5	-0.1
Y49A	Blount Mountai	64.32	67	P	P	16 07 20.0	-1.0
X50B	Fort Payne	64.32	66	P	P	16 07 20.2	-0.9
W51A	Cleveland	64.32	65	P	P	16 07 20.3	-0.7
S54A	Dingess, Beckl	64.33	61	P	P	16 07 20.9	-0.2
V52A	Sevierville	64.49	64	P	P	16 07 21.9	-0.2
TKL	Tuckaleechee C	64.52	64	P	P	16 07 21.1	-1.2
O57A	Amberson	64.54	57	P	P	16 07 21.5	-0.9
N58A	Sunbury	64.56	56	P	P	16 07 21.8	-0.7
LRAL	Lakeview Retre	64.58	68	P	P	16 07 22.3	-0.4
U53A	Fall Branch	64.68	63	P	P	16 07 23.2	-0.2
Y50A	Piedmont	64.69	67	P	P	16 07 22.5	-0.9
X51A	Calhoun	64.70	66	P	P	16 07 22.4	-1.1
M59A	Waymart	64.70	55	P	P	16 07 22.6	-0.8
T54A	Tazewell	64.72	62	P	P	16 07 23.8	+0.1
Z49A	Columbiana	64.73	68	P	P	16 07 22.8	-0.9
S55A	Lewisburg	64.79	61	P	P	16 07 23.7	-0.5
P57A	Homestead Farm	64.88	58	P	P	16 07 23.8	-0.7
R56A	Bull Pasture M	64.92	59	P	P	16 07 24.6	-0.4
U54A	Nelsons Funny	64.98	62	P	P	16 07 25.4	0.0
N59A	State Game Lan	64.99	55	P	P	16 07 24.9	-0.4
Q57A	Strasburg	64.99	58	P	P	16 07 24.7	-0.6
I49A	Jones	65.01	69	P	P	16 07 25.3	-0.2
Z50A	Ashland	65.04	68	eP	P	16 07 24.9	-0.8
Z50A	Ashland	65.04	68	P	P	16 07 24.9	-0.8
V53A	Saluda	65.05	64	P	P	16 07 25.5	-0.3
Y51A	Rockmart	65.06	66	P	P	16 07 24.9	-0.9
T55A	Pulaski	65.12	61	P	P	16 07 26.1	-0.1
KMI	Kunming	65.12	279	P	P	16 07 26.3	-0.3
W53A	Culowhee	65.22	64	P	P	16 07 27.0	0.0
X52A	Dahlonega	65.22	65	P	P	16 07 26.3	-0.6
BLA	Blacksburg	65.25	61	P	P	16 07 26.9	-0.2
P58A	Pank, Wackersv	65.25	57	P	P	16 07 26.6	-0.3
N60A	Cedar Hill Far	65.26	55	P	P	16 07 27.2	-0.5
S56A	Natal Bridge	65.37	60	P	P	16 07 28.0	+0.2
U55A	TA2, Sparta	65.42	62	P	P	16 07 28.2	-0.1
Z51A	Fraulin	65.42	67	P	P	16 07 27.6	-0.6
Q58A	Fox Den Farm,	65.45	58	P	P	16 07 27.8	-0.4
150A	Eclectic	65.45	68	P	P	16 07 28.0	-0.4
V54A	Nebo	65.45	63	P	P	16 07 28.4	0.0
R57A	Stanardsville	65.47	59	P	P	16 07 28.2	-0.3
X53A	Estanold	65.52	65	P	P	16 07 28.9	-0.6
Y52A	Libur	65.66	66	P	P	16 07 29.0	-0.7
V55A	Taylorsville	65.80	62	P	P	16 07 30.4	-0.3
FIAD	FINESS Array S	65.82	348	eP	P	16 07 28.9	-1.4
FINES	FINESS Array B	65.82	348	P	P	16 07 28.8	-1.4
W54A	Cherokee Point	65.83	64	P	P	16 07 30.6	-0.1
U56A	King	65.90	62	P	P	16 07 30.7	-0.5
Y53A	Molope	65.94	66	P	P	16 07 31.1	-0.4
Z52A	Williamson	65.95	67	P	P	16 07 31.1	-0.5
T57A	Hur	66.04	60	P	P	16 07 32.0	-0.1
X54A	Belton	66.11	64	P	P	16 07 32.5	-0.1
152A	Waverly Hall	66.16	67	P	P	16 07 32.0	-0.9
251A	Midway	66.18	68	P	P	16 07 32.3	-0.8
V56A	Mocksville	66.23	62	P	P	16 07 32.9	-0.4
KM5C	Kings Mountain	66.26	63	P	P	16 07 33.5	-0.1
GOGA	Godfrey	66.36	66	P	P	16 07 33.8	-0.2
Z53A	Monticello	66.36	66	P	P	16 07 33.5	-0.7
U57A	Blanch	66.41	61	P	P	16 07 34.1	-0.3
Y54A	Tignal	66.44	65	P	P	16 07 34.2	-0.5
T58A	Grand View Acr	66.46	60	P	P	16 07 34.4	-0.4
V57A	Coltrane Farms	66.57	62	P	P	16 07 35.2	-0.3
X55A	Greac						

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BNSI Bone, KDI Kendari, SPSI Sidrap Palu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TKM2 Tokmak 2, GYA0B ALIBECK ARRAY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HYB Hyderabad, TAWA Tawang, ZAAO Zalesovo Array, etc.

DDA 26 16:11:44.2, 39.73N, 35.33E, h7km, 2km, ML2.5
ISK 26 16:11:45.9, 39.84N, 35.27E, h10km, ML1.9/4
ISC 26 16:11:44.3, 1.5, 39.84N, 0.06, 35.38E, 0.05, h20km, 3km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YOZ Yozgat, COAL Corum-Alaca, SIRC Sirc, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PDGK Podgornoye, PDGK Podgornoye, OTUK Ortayu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TEZP TEZPUJ, KBZ Khabaz, ZIRO ZIRO, etc.

NNC 26 16:13:57.9, 1.9, 36.66N, 69.67E, h0km, mb5.3, mpv5.3,
Error ellipse: s-maj=19.6km s-min=9.9km az=158.0

ISCJB 26 16:14:00.3, 0.3, 36.28N, 0.02, 70.02E, 0.02, h145km, 3km,
mb4.4/86, Error ellipse: s-maj=3.3km s-min=2.6km

BUI 26 16:14:00.1, 0.0, 36.38N, 69.89E, h144km, mb4.6/31,
mb4.7/22
IDC 26 16:14:02.0, 0.7, 36.25N, 70.10E, h153km, 3km, mb3.9/31,

MOS 26 16:14:01.1, 1.0, 36.30N, 70.05E, h151km, mb4.4/47, Error
ellipse: s-maj=8.4km s-min=4.2km az=92.0

NEIC 26 16:14:02.2, 2.8, 36.26N, 69.94E, h155km, 3km, mb4.4/51,
Error ellipse: s-maj=7.8km s-min=6.9km az=134.0

ISC 26 16:14:01.3, 0.3, 36.27N, 0.03, 69.99E, 0.03, h145km, 3km,
h145km: p-P, n277, s198/377, mb4.4/86, 23C-12D, Hindu
Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KBL Kabul, KBL Kabul, CEP Cherat, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DANN Dangsing, KOLL Koldanda, BHLN Bhopal, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARAYN Ar Rayn, RAYN Ar Rayn, ANN Anapa, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like MK31, MKAR, MKAR, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like ARU, ARU, ARU, etc.

Table with columns: Call sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like OJC, OJC, OJC, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BFO Black Forest, WLF Walferange, KMBO Kilima Mbogo, etc.

JMA 26 16:28:31.81-0.4, 33.92N; 137.34E, h365km, 4km, M3.0
ISCJB 26 16:28:32.0-0.7, 33.99N; 0.07; 137.27E; 0.06,
h359km, 4km, mb3.2/1, Error ellipse: s-maj=11.8km
s-min=7.8km az=159.2

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like TOTO TONANKAI O.B.S, JMW Yamagatanianai, etc.

JMA 26 16:36:38.6-0.1, 39.05N; 142.40E, h34km, 1km, M3.6,
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 OFUJ Ofunato, MIYJ Miyakonagawa, etc.

IDC 26 16:39:09.7-6.6, 1.50S; 132.65E, h0km, 3km, 3/1,
mb1 3.6/3, mb1mx3.3/2, mbtmp3.4/3, ML3.1/1, Error
ellipse: s-maj=408.4km s-min=30.4km az=75.0, Irian
Jaya region

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, PETK Petropavlovsk, etc.

MEX 26 16:53:20.2-0.3, 14.90N; 93.33W, h30km, 8km, M3D.6,
Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PCIG Saint Martin d, CCIG Comitán, etc.

MAN 26 17:07:50.4, 7.39N; 124.75E, h1km, mb5.1, ML4.0, MS4.1,
3C-20, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KCP Kidapawan, CTBH Cotabato-PC H, etc.

JMA 26 17:11:54.5-0.2, 30.09N; 139.18E, h471km, M3.6,
ISCJB 26 17:11:55.2-0.5, 30.03N; 0.05; 139.10E; 0.1, h450km,
mb3.1/7, Error ellipse: s-maj=11.9km s-min=5.9km
az=167.7

IDC 26 17:11:56.1-1.0, 30.00N; 138.66E, h428km, 11km, mb2.8/7,
mb1 3.0/10, mb1mx2.8/50, mbtmp3.6/10, Error ellipse:
s-maj=22.1km s-min=14.4km az=80.0

ISC 26 17:11:56.8-0.8, 30.03N; 0.07; 139.0E; 0.1, h450km, n23,
a1560/28, mb3.1/7, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ Hachiojimakas, JHUJ Hachiojima 2, etc.

NIED 26 17:12:00.27; 30N; 128.90E, h32km, Mw4.0, Best double
couple: Mo:1.030000; 1015 NPI:355.00000, 323.00000,
lambda:125.00000, NP2:212.00000, 871.00000,
lambda:76.00000

ISCJB 26 17:12:42.8-0.3, 27.27N; 0.03; 128.94E; 0.3, h45km, 4km,
mb3.8/13, MS3.2/2, Error ellipse: s-maj=5.5km
s-min=3.1km az=38.3

JMA 26 17:12:44.0, 27.32N; 128.86E, h33km, 1km, M3.7,
JMA Felt I J1

IDC 26 17:12:46.1-1.1, 27.25N; 128.47E, h53km, 9km, mb3.7/13,
mb1 3.7/15, mb1mx3.5/3, mbtmp3.9/15, MS3.2/3,
Ms1 3.2/3, ms1mx2.6/35, Error ellipse: s-maj=29.3km
s-min=14.7km az=87.0

ISC 26 17:12:43.2-0.6, 27.26N; 0.03; 128.91E; 0.04, h35km, 4km,
n48, a1922/60, mb3.9/13, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JOKE Okinoerabujima, JYRO Yoronjima, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like JKDJ Minamidaito 2, JMZ Nakanosima, etc.

GUM0 Guam 20.18 129 LR
comp=Z, 2.34nm, 18.6s, baz=350, slow=32

CMAR Chiang Mai Arr 28.91 259 P
0.5nm, 0.6s, baz=63, slow=8.2, SNR=4.0

H1N2 WAKE ISLAND Hy 35.53 94 T
12.0m, 0.4s

H1N1 WAKE ISLAND Hy 35.53 94 T
wake=290, slow=74, SNR=31

H1N3 WAKE ISLAND Hy 35.54 94 T
wake=290, slow=74, SNR=37

H1S3 WAKE ISLAND Hy 35.77 96 T
baz=292, slow=75, SNR=11

H1S1 WAKE ISLAND Hy 35.77 96 T
baz=292, slow=75, SNR=7.1

H1S2 WAKE ISLAND Hy 35.78 96 T
baz=292, slow=75, SNR=5.2

PKI Pulchoki 38.47 281 eP
6.8nm, 0.2s

PKIN Pulchoki 38.48 281 eP
12.0m, 0.4s

KKN Kakani 38.55 281 eP
14nm, 0.2s

GKN Gorkha 39.07 282 eP
29nm, 0.3s

DANN Dangsing 39.78 282 eP
12nm, 0.3s

MKAR Makanchi Arr 41.32 311 P
0.5nm, 0.4s, baz=90, slow=7.2, SNR=8.2

MKAR 41.32 311 P
0.3nm, 0.5s, baz=95, slow=3.0, SNR=3.8

ZALV Zalesovo Beam 41.81 322 P
0.7nm, 0.3s, baz=107, slow=9.5, SNR=2.9

KURB Kurchatov Arr 44.54 316 P
2.3nm, 0.3s, baz=102, slow=8.9, SNR=35

WRR Warramunga Arr 47.22 173 P
1.6nm, 1.0s, baz=350, slow=8.2, SNR=2.8

ASAR Alice Springs 50.86 174 P
0.4nm, 0.5s, baz=55, slow=14, SNR=3.3

ARCES ARCESS Array B 69.28 339 P
0.4nm, 0.3s, baz=69, slow=8.2, SNR=9.8

FINES FINES Array B 72.27 331 P
1.2nm, 0.3s, baz=58, slow=7.7, SNR=2.9

AKASG Malin Arr Bay 75.15 320 P
0.8nm, 0.4s, baz=59, slow=6.6, SNR=4.0

BRTR Keskin Arr Bay 76.89 308 P
0.7nm, 0.6s, baz=117, slow=3.8, SNR=5.3

HFS Hagfors 78.20 332 P
0.9nm, 0.3s, baz=91, slow=2.9, SNR=24

NB2 NORAS Subarra 78.66 334 P
comp=Z, 0.7nm, 0.5s, baz=48, slow=5.9

NOA NORAS Arr B 78.66 334 P
comp=Z, 0.7nm, 0.5s, baz=56, slow=5.5, SNR=13

EKA Eskdalemuir Arr 88.11 335 P
comp=Z, 0.1nm, 0.3s, baz=32, slow=3.7, SNR=4.4

ISCJB 26 17:31:25.8-0.5, 50.22N; 0.03; 19.18E; 0.03, h0km, Error
ellipse: s-maj=4.9km s-min=2.0km az=19.7

IPEC 26 17:31:27.5-0.1, 50.26N; 19.27E, h0km, 1km, ML2.6/2,
Error ellipse: s-maj=2.7km s-min=0.7km az=170.0

PRU 26 17:31:27.1-0.0, 50.27N; 19.23E, h0km
BGR 26 17:31:28.0-0.4, 50.16N; 19.26E, h1km, ML3.0/3, Error
ellipse: s-maj=13.3km s-min=5.6km az=175.0

ISC 26 17:31:27.8-0.0, 50.12N; 0.03; 19.28E; 0.02, h0km, n39,
a139/63, Poland

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for YHNB, WHF, YMO1, CHGB, YM10.

NNC 26 18:17:38.1-4.5, 36.93N-70.89E, h0km, mb4.0, mpv3.7, 4C-2D, Error ellipse: s-maj=35.0km s-min=30.1km az=164.0, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for AML, UCH, EKS2, KZA, KK31, AAK, USP, TKM2.

IDC 26 18:18:19.7-5.3, 3.31S-100.96E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/3.1, mbtmp3.4/4, Error ellipse: s-maj=271.1km s-min=23.0km az=51.0, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for WRA, ASAR, MKAR, KURBB.

IDC 26 18:27:16.6-5.5, 39.42N-110.55E, h0km, mb3.6/3, mb1 3.7/4, mb1mx3.3/3.9, mbtmp3.6/4, ML2 2/1, Error ellipse: s-maj=116.4km s-min=24.1km az=84.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for BTO, XAN, SONM, MKAR, CMBR, KURBB.

TAP 26 19:00:22.4, 22.86N-121.61E, h3km, ML1.9.D, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CHKT, TTN, TWGB, TWF1, YULB, DZM, OUZ, WZC, GRZ, KUZ, WIAZ, MKAZ, MXZ, HAZ, TGRZ, OPRZ, TOZ, KMRZ, MARZ, KARZ, EDJR, OMRZ, NGWRZ, URZ, URZ, DZM, UTU, TARZ, HLRZ, TKGZ, CNGZ, RRRZ, HSRZ, RAGZ, GRRZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for WHYT, TWK, NACB, WHF.

TAP 26 19:00:25.4, 23.10N-120.97E, h17km, 1km, ML1.4,A, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ELDTW, ELDTW, STYT, TWG, TWGB, SLGT, SGST, WTP, CHKT, TPUB, TWF1, CHN1, CHN4, ALS, SSD, ECL, HGSD, WHYT, SCZT, ES.

MOS 26 19:08:28.4-0.8, 23.00S-179.11E, h535km, mb5.2/5/3, Error ellipse: s-maj=9.6km s-min=7.5km az=80.3

IDC 26 19:08:29.0-0.8, 23.17S-179.32E, h540km, mb4.5/2/7, mb1 4.6/2/9, mb1mx4.5/3.5, mbtmp5.3/2/9, Error ellipse: s-maj=11.5km s-min=9.0km az=85.0

ISC 26 19:08:30.2-0.4, 23.14S-179.05E, h560km, 5km, mb5.0/2/97, Error ellipse: s-maj=4.4km s-min=3.3km az=153.6

NEIC 26 19:08:31.4-1.9, 23.17S-179.18E, h568km, 3km, mb5.1/2/81, Error ellipse: s-maj=13.1km s-min=11.4km az=116.0

GCMT 26 19:08:33.5-0.4, 22.84S-178.99E, h560km, 2km, MW5.3/59, Moment Tensor Solution. s59,c71; Duration: 1s1 Moment tensor: Scale 10^17Nm; Mir-0.74; 0.4; M0=0.46E-07; M1=0.28E-07; M2=0.85E-08; M3=0.27E-07; M4=0.60E-09; Best double couple: M1-2.46E-07; M2=1.125E-00000; M3=3.00000E-0; M4=9.00000E-0; NPZ: 0.30000000; 3.17000000; 1.39000000; Principal axes: T 1.2020, P1g28.0000, Azm216.0000; N 0.0890, P1g0.0000, Azm125.0000; P -1.2910, P1g62.0000, Azm35.0000; nst1 refers to body waves, cutoff=40s. Triangular moment-rate function

ISC 26 19:08:30.6-0.4, 23.18S-179.24E, h559km, 4km, h561km, pP-P, n1257, r1936/1388, mb5.1/2/97, 61C-68D, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for RAO, GLKZ, MARNC, PINC, NIUE, NIUE, NIUE, NFK, DZM, DZM, DZM, OUZ, OUZ, WZC, GRZ, KUZ, WIAZ, MKAZ, MXZ, HAZ, TGRZ, OPRZ, TOZ, KMRZ, MARZ, KARZ, EDJR, OMRZ, NGWRZ, URZ, URZ, DZM, UTU, TARZ, HLRZ, TKGZ, CNGZ, RRRZ, HSRZ, RAGZ, GRRZ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for HRRZ, MUGZ, TLZ, PRRZ, ALRZ, KUTZ, SNGZ, WHTZ, PRGZ, HIZ, HIZ, MTHZ, MTHZ, WATZ, MRHZ, RAHZ, RAHZ, RAHZ, RANGITUKUA, WHHZ, MHGZ, RITZ, BKZ, BKZ, KRZV, TWVZ, WTVZ, TUVZ, FWVZ, VRZ, DRZ, WHVZ, MCHZ, KWHZ, MHEZ, PKVZ, MOVZ, MTVZ, BHHZ, BHHZ, PKE, KRHZ, KRHZ, KHEZ, NBEZ, PREZ, KAHZ, LRZ, NMEZ, PNHZ, PNHZ, WAZ, PXZ, PXZ, FSZ, DVHZ, DVHZ, PRWZ, PRWZ, BFZ, BFZ, MRZ, MRZ, OGWZ, OGWZ, HOWZ, HOWZ, TMWZ, TMWZ, DUWZ, MTW, MTW, CAW, CAW, TRWZ, TRWZ, TRWZ, PAWZ, PAWZ, WEL, WEL, FCW, FCW, TCW, TCW, SNZO, SNZO, QRZ, QRZ, MSWZ, BHW, PLWZ, PLWZ, INZ, INZ, OXZ, OXZ, OXZ, OXZ, CRZ, CRZ, MOZ, RPZ, RPZ, RPZ, RPZ, KNTN, LBZ, OODZ, WKZ, WKZ, MLZ, DCZ, WHZ, TARA, ARMA, ARMA, EIDS.

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Table with columns: EIDS, Eidsvold, 25.75 259 P, P, 19 13 17.7 +0.2, etc. Lists various stations and their coordinates.

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Table with columns: NWA0, Narrogin (S130), 54.90 245 eP, P, 19 17 08.6 -0.6, etc. Lists various stations and their coordinates.

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Table with columns: SAO, San Andreas Ge, 81.73 44 eP, P, 19 19 52.4 +1.2, etc. Lists various stations and their coordinates.

VCNR	Virginia City	84.37	43	eP	P	19 20 05.8 +1.2
HUMO	Hull Mountain	84.38	39	eP	P	19 20 06.1 +1.8
YERR	Yerinton	84.45	43	eP	P	19 20 05.4 +0.4
GMRC	Granite Mounta	84.45	49	P	P	19 20 06.3 +1.2
IRM	Iron Mountain	84.47	49	P	P	19 20 06.6 +1.6
L04D	Klamath Falls	84.52	39	P	P	19 20 06.4 +1.3
M04C	Macdoel	84.52	40	P	P	19 20 06.6 +1.4
GRAC	Grapevine Rang	84.52	46	P	P	19 20 06.6 +1.3
FURC	Furnace Creek,	84.56	47	P	P	19 20 06.4 +1.1
TUC	Turquoise Moun	84.63	48	P	P	19 20 07.1 +1.2
SHOC	Shoshone, Teco	84.64	47	P	P	19 20 06.9 +1.1
Y12C	Blythe	84.69	50	eP	P	19 20 07.3 +1.3
Y12C	Blythe	84.69	50	eP	P	19 20 07.3 +1.3
RYN	Ryan	84.70	44	eP	P	19 20 06.9 +0.7
113A	Mohawk Valley,	84.71	51	eP	P	19 20 07.2 +1.0
NVAR	Mina Array Bea	84.72	44	P	P	19 20 07.4 +1.0
PAHR	Pah Rah Rang	84.78	43	eP	P	19 20 07.4 +0.9
I02D	Swisshome	84.81	37	eP	P	19 20 08.5 +2.1
NV11	Mina Array Sit	84.82	44	eP	P	19 20 07.4 +0.6
NONG	Nongkai	84.85	292	P	P	19 20 07.9 +0.8
HSIG	Hsig	84.88	56	eP	P	19 20 07.9 +0.8
2144	Organ Pipe Nat	84.98	52	P	P	19 20 09.5 +1.9
K04D	Chiloquin, OR	85.09	39	P	P	19 20 09.4 +1.4
KVN	Kaiserville	85.21	44	eP	P	19 20 08.8 +0.1
TPNV	Topopah Spring	85.24	47	eP	P	19 20 09.6 +0.7
PNV	Topopah Spring	85.24	47	eP	P	19 20 09.9 +1.0
PDMCI	Parker Dam, Lak	85.25	50	P	P	19 20 10.2 +1.5
J04D	Umpqua Nationa	85.26	39	P	P	19 20 10.3 +1.5
SNA4	Sanae	85.39	179	P	SKS	19 20 08.8 -0.1
SNA4	Sanae	85.39	179	eP	SKSac	19 29 21.1 -1.9
SNA4	Sanae	85.39	179	eP	P	19 20 08.6 -0.3
SNA4	Sanae	85.39	179	eP	P	19 20 08.6 -0.3
I04A	Tendick Farm,	85.43	38	P	P	19 20 10.3 +0.9
ENH	Enshi	85.46	305	eP	P	19 20 10.1 +0.2
MOD	Modoc Plateau	85.51	41	eP	P	19 20 10.9 +0.9
VNA3	Neumayer Olymp	85.62	177	P	S	19 20 09.9 -0.1
VNA3	Neumayer Olymp	85.62	177	P	S	19 29 55.1 -0.2
H04D	Lebanon	85.69	37	P	P	19 20 12.1 +1.5
MA2	Magadan	85.71	346	P	P	19 20 10.1 -0.3
MA2	Magadan	85.71	346	eP	P	19 20 09.8 -0.5
MA2	Magadan	85.71	346	eP	P	19 20 10.0 -0.3
MA2	Magadan	85.71	346	eP	P	19 22 09.1 -1.1
SHPR	Sheep Range	85.73	47	eP	P	19 20 12.1 +0.8
J05D	Fort Hood, TX	85.79	39	P	P	19 20 13.0 +1.7
G03D	McMinnville, O	85.83	37	P	P	19 20 12.7 +1.5
W13A	Hualapai Mount	85.85	49	eP	P	19 20 12.9 +1.0
Y14A	Wickenburg	85.86	50	eP	P	19 20 12.7 +0.9
CNPM	China Poot	85.91	15	eP	P	19 20 11.3 0.0
H04A	Detroit Lake	86.10	38	eP	P	19 20 13.3 +0.7
BRLK	Bradley Lake	86.20	15	eP	P	19 20 12.3 -0.4
PINE	Pine Mountain	86.27	39	eP	P	19 20 14.9 +1.3
VNA1	Neumayer-OR	86.28	178	P	S	19 20 14.5 +1.5
VNA1	Neumayer-OR	86.28	178	P	S	19 30 05.2 +3.8
I05D	Terrebonne, ST	86.37	38	P	P	19 20 15.2 +1.3
RSO	Redoubt South	86.41	13	eP	P	19 20 13.1 -0.8
SVW2	Sparrowhue	86.42	12	eP	P	19 20 13.2 -0.5
R11A	Troy Canyon, C	86.45	46	eP	P	19 20 15.2 +0.6
R11A	Troy Canyon, C	86.45	46	P	P	19 20 15.2 +0.6
F04D	Rainier, OR	86.52	36	P	P	19 20 16.5 +2.0
BMN	Battle Mountai	86.55	43	eP	P	19 20 16.0 +1.0
BMN	Battle Mountai	86.55	43	eP	P	19 20 16.0 +1.0
TUC	Tucson	86.64	53	eP	P	19 20 17.2 +1.7
TUC	Tucson	86.64	53	P	P	19 20 17.5 +2.0
DIB	Dawson Inlet,	86.81	27	eP	P	19 20 17.0 +1.4
WVOR	Wild Horse Val	86.82	41	eP	P	19 20 17.0 +0.8
WVOR	Wild Horse Val	86.82	41	eP	P	19 20 17.0 +0.8
SEW	Seward	86.84	15	eP	P	19 20 15.3 -0.3
NLWA	Neilton Loukou	86.89	35	eP	P	19 20 17.9 +1.7
M0BC	Moresby Island	86.98	27	eP	P	19 20 17.4 +0.8
E04D	Cinebar	87.05	36	P	P	19 20 18.7 +1.8
X16A	Lo Mia Camp, P	87.22	51	eP	P	19 20 19.9 +1.6
F05D	White Salmon	87.24	37	P	P	19 20 19.2 +1.2
I07A	Ize	87.27	39	eP	P	19 20 19.3 +1.0
LCMT	Little Creek M	87.30	48	eP	P	19 20 19.6 +1.0
D04E	Lakebay	87.33	35	P	P	19 20 20.3 +2.0
D03D	Eldon	87.39	35	P	P	19 20 20.0 +1.5
J08A	Circle Bar Ran	87.46	40	eP	P	19 20 20.1 +1.0
CCUT	Cedar City	87.50	47	eP	P	19 20 21.1 +1.4
LOH	Longmire	87.58	36	eP	P	19 20 19.9 +0.3
LOH	Longmire	87.58	36	eP	P	19 20 19.9 +0.3
KNB	Knab	87.59	48	eP	P	19 20 21.5 +1.5
RC01	Rabbit Creek A	87.64	15	eP	P	19 20 19.0 -0.4
U15A	North Rim	87.65	49	eP	P	19 20 21.9 +1.5
PSUT	Pine Spring	87.69	46	eP	P	19 20 21.6 +1.1
SUA	Susitna One	87.75	14	eP	P	19 20 19.4 -0.6
XAN	Xi'an	87.75	309	eP	P	19 20 21.6 +0.9

XAN	Xi'an	87.75	309	P	P	19 20 21.5 +0.9
XAN	Xi'an	87.75	309	P	P	19 20 21.5 +0.9
XAN	Xi'an	87.75	309	P	P	19 20 21.5 +0.9
D05A	Enunclaw	87.75	36	eP	P	19 20 21.8 +1.5
WU4Z	Wupatki	87.83	50	eP	P	19 20 22.3 +1.2
WU4Z	Wupatki	87.83	50	eP	P	19 20 22.7 +1.6
PGAC	Sidney	87.90	34	eP	P	19 20 21.7 +0.9
BBB	Bella Bella	87.98	29	eP	P	19 20 22.1 +1.0
ELK	Elko	87.98	44	eP	P	19 20 22.5 +0.7
KAIM	Kayak Island	87.98	17	eP	P	19 20 21.8 +0.7
HPIG	Highway	88.00	60	eP	P	19 20 22.9 +0.8
TTA	Tatalina	88.03	11	eP	P	19 20 21.3 0.0
TTA	Tatalina	88.03	11	eP	P	19 20 21.3 0.0
SKT	Skwentna	88.04	13	eP	P	19 20 19.4 -1.9
LAMP	Lampang	88.06	291	P	P	19 20 25.4 +3.1
GLI	Glacier Island	88.09	16	eP	P	19 20 21.3 -0.2
FID	Port Fidalgo	88.14	16	eP	P	19 20 21.4 -0.3
EYAK	Cordova Ski Ar	88.16	16	eP	P	19 20 21.4 -0.3
PKCU	Pink Cliffs	88.16	48	eP	P	19 20 24.8 +2.0
CRAG	Craig	88.20	25	eP	P	19 20 23.5 +1.4
KNK	Knik Glacier	88.23	15	eP	P	19 20 21.9 -0.3
PMR	Palmer	88.23	15	eP	P	19 20 21.8 -0.3
PMR	Palmer	88.23	15	eP	P	19 20 21.8 -0.3
PMR	Palmer	88.23	15	eP	P	19 20 21.8 -0.3
G08A	Pilot Rock	88.30	38	eP	P	19 20 23.7 +0.7
RAGM	Ragged Mountai	88.30	17	eP	P	19 20 22.7 +0.1
KMI	Kunming	88.31	298	P	P	19 20 22.5 -1.2
A04D	Lummi Island	88.33	34	P	P	19 20 24.4 +1.5
B05A	Bryant	88.36	35	P	P	19 20 24.3 +1.2
HMT	Hamilton	88.37	17	eP	P	19 20 23.1 +0.3
SEY	Seymchan	88.42	348	P	P	19 20 23.3 +0.3
LTY	Liberty	88.51	36	eP	P	19 20 24.4 +0.5
MTPU	Mount Pierson	88.56	47	eP	P	19 20 26.4 +1.7
SIT	Sitka	88.57	23	eP	P	19 20 24.9 +1.2
SML	Sawmill	88.60	15	eP	P	19 20 23.7 -0.2
SML	Sawmill	88.60	15	eP	P	19 20 23.7 -0.2
HAWA	Hanford	88.62	37	eP	P	19 20 25.7 +1.4
CM31	Ching Mai Arr	88.62	291	P	P	19 20 26.3 +1.3
CMAR	Chiang Mai Arr	88.62	291	P	P	19 20 26.1 +1.2
TCRU	Three Creeks R	88.67	47	eP	P	19 20 27.2 +2.1
ZAIG	Zacatecas	88.67	65	eP	P	19 20 27.1 +1.6
PPLA	Purkeypile	88.73	13	eP	P	19 20 23.1 -1.5
ZEA	Zeya	88.75	332	eP	P	19 20 25.2 +0.5
CMMT	Chiang Mai	88.77	291	P	P	19 20 27.4 +1.7
CHTO	Chiang Mai	88.77	291	P	P	19 20 26.4 +0.7
CHTO	Chiang Mai	88.77	291	P	P	19 22 33.2 +1.1
W18A	Petrified Fore	88.79	51	eP	P	19 20 26.6 +0.9
W18A	Petrified Fore	88.79	51	eP	P	19 20 26.8 +1.1
C06D	Leavenworth	88.79	36	P	P	19 20 25.7 +0.6
WAX	Waxell Ridge	88.86	18	eP	P	19 20 25.5 +0.4
SCM	Sheep Creek Mo	88.86	15	eP	P	19 20 24.7 -0.5
SCM	Sheep Creek Mo	88.86	15	eP	P	19 20 24.7 -0.5
E08A	Didi Farm	88.94	37	eP	P	19 20 26.6 +0.9
121A	Cookes Peak, D	88.96	54	P	P	19 20 28.4 +1.9
BMO	Blue Mountains	89.00	40	eP	P	19 20 26.5 +0.2
BMO	Blue Mountains	89.00	40	eP	P	19 20 26.5 +0.2
CRQM	Cirque	89.03	17	eP	P	19 20 26.7 +0.6
MFID	Camas Ranch	89.08	41	eP	P	19 20 27.7 +1.0
TGL	Tana Glacier	89.12	18	eP	P	19 20 26.7 +0.3
WRAK	Wrangell Islan	89.20	25	eP	P	19 20 27.9 +1.1
CAST	Castle Rocks	89.22	12	eP	P	19 20 24.9 -1.8
G006	Carrehue	89.22	133	eP	P	19 20 29.2 +1.6
DUG	Dugway, Tooele	89.25	45	eP	P	19 20 28.0 +0.4
DUG	Dugway, Tooele	89.25	45	eP	P	19 20 28.6 +1.0
PLCA	Paso Flores	89.26	135	P	P	19 20 29.6 +1.9
PLCA	Paso Flores	89.26	135	P	P	19 20 29.8 +2.1
PCA	Pinnacle	89.32	19	eP	P	19 20 27.3 0.0
D08A	Wolfman Farm	89.35	37	eP	P	19 20 28.7 +1.0
BCPM	Bancas Point	89.39	19	eP	P	19 20 28.0 +0.5
HIA	Hailar	89.42	326	eP	P	19 20 27.1 -0.9
HIA	Hailar	89.42	326	eP	P	19 20 27.1 -0.9
HHC	Hu-ho-hao-te	89.42	315	P	S	19 20 29.5 +1.2
HHC	Hu-ho-hao-te	89.42	315	P	S	19 30 34.5 +2.9
HHC	Hu-ho-hao-te	89.42	315	P	S	19 30 34.5 +2.9
HHC	Hu-ho-hao-te	89.42	315	P	S	19 30 34.5 +2.9
E09A	Wood Farm, Sta	89.47	38	eP	P	19 20 29.0 +0.7
BALM	Baldy	89.48	18	eP	P	19 20 28.4 +0.4
BALM	Baldy	89.48	18	eP	P	19 20 28.5 +0.4
BGU	Big Grassy Mou	89.49	45	eP	P	19 20 29.7 +0.9
KTH	Kantsha Hill	89.51	13	eP	P	19 20 29.9 -1.5
NLU	North Lily Min	89.57	46	eP	P	19 20 30.4 +1.0
F10A	Beach Ranch, E	89.68	39	eP	P	19 20 29.6 +0.2
JIS	Juneau Island	89.82	22	eP	P	19 20 29.5 0.0
TMUT	Trail Mountain	89.85	47	eP	P	19 20 31.8 +1.1
RND	Reindeer	89.88	14	eP	P	19 20 29.6 -0.3

RND	Reindeer	89.88	14	eP	P	19 20 29.6 -0.3
RND	Reindeer	89.88	14	eP	P	19 20 29.6 -0.3
BESE	Bessie Mountai	89.88	22	eP	P	19 20 30.9 +0.9
B08A	Colville Reser	89.89	36	eP	P	19 20 30.2 0.0
TLIG	Tiipa	89.89	71	eP	P	19 20 33.0 +1.9
LLLL	Lillooet	89.92	33	eP	P	19 20 31.0 +0.7
DHY	Denali Highway	89.93	15	eP	P	19 20 29.5 -0.6
MPU	Maple Canyon	89.94	46	eP	P	19 20 32.0 +1.1
HLID	Hailey	90.02	42	eP	P	19 20 32.1 +0.9
HLID	Hailey	90.02	42	eP	P	19 20 32.3 +1.1
BPAW	Bear Paw Mtn.	90.05	13			

26d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMCO Snowmass, DAWY Dawson, BOZ Bozeman (W), etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like M55A Ridgway, T59A Double "B" Far, K54A Basco Farm, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MDP Montagnes des, AKTO Aktyubinsk, GEYT Geyt, etc.

VAHY	comp=Z,9.3nm,0.4s	IAML_P			
MUD	Monsted U'grnd	145.97 350	i/PKIKP	PKPbc	19 27 07.6 -0.1
MUD	comp=Z,3um,23.0s		MLR		
MUD	Monsted U'grnd	145.97 350	i/P	PKPbc	19 27 07.6 -0.1
ILGA	ilgaz	146.08 310	ePKPdf	PKPdf	19 27 07.3 +0.5
CDAG	Cicekdag	146.09 307	i/P	PKPbc	19 27 09.4 +0.7
CDAG	comp=Z,2.345nm,0.5s		IAML_P		
COP	Copenhagen	146.10 347	i/PKPK2	PKPbc	19 27 08.0 0.0
COP	comp=Z,2um,18.0s		MLR		
COP	Copenhagen	146.10 347	i/P	PKPbc	19 27 08.0 0.0
DELI	KIRIKKALE	146.30 308	i/P	PKPbc	19 27 09.8 +0.5
DELI	comp=Z,2.853nm,0.9s		IAML_P		
GULE	Gulek	146.45 303	i/P	PKIKP	19 27 10.9 -1.1
GULE	comp=Z,2.9um,0.7s		IAML_P		
MILM	Milestii Mici	146.47 322	i/P	PKPdf	19 27 07.2 +0.3
DED	Mersin	146.51 302	i/P	PKPbc	19 27 10.2 +0.3
DED	comp=Z,2um,0.5s		IAML_P		
BR131	Keeskin Array S	146.59 308	ePKPdf	PKPdf	19 27 07.2 -0.4
BR131	comp=Z,1.44m,0.7s,baz=115,slow=3.1,SNR=58		PKPbc	PKPbc	19 27 09.8 -0.4
BR131	Keeskin Array S	146.59 308	ePKPdf	PKPdf	19 27 13.0 +0.1
BR131	comp=Z,1.44m,0.7s,baz=69,slow=4.6,SNR=96		PKPbc	PKPbc	19 27 09.7 -0.4
MMAI	Mount Meron Ar	146.77 295	ePKPdf	PKPbc	19 27 11.5 +0.7
MMAI	comp=Z,5.4nm,0.7s,baz=69,slow=4.6,SNR=96		PKPbc	PKPbc	19 27 11.5 +0.7
MMAI	comp=Z,2.1nm,0.6s,baz=62,slow=1.3,SNR=8.3		SKIKP	SKIKP	19 29 57.9 +1.8
AKSY	AKSARAY - Altı	146.84 306	i/P	PKPbc	19 27 10.9 +0.1
AKSY	comp=Z,6.12nm,1.0s		IAML_P		
EAB	Aberfoyle	146.93 4	eP	PKPdf	19 27 07.3 -0.1
BEL	Belsk	146.93 335	eP	PKPbc	19 27 10.9 +0.5
BEL	Belsk	146.93 335	ePKP2	PKPbc	19 27 10.9 +0.5
RGN	Rugen	146.94 345	ePKPdf	PKPbc	19 27 09.4 -0.9
BEL	Gorka Klasztor	147.00 340	ePKPdf	PKPbc	19 27 10.8 +0.2
GKP	Gorka Klasztor	147.00 340	ePKP2	PKPbc	19 27 10.9 +0.2
LJV	L'vov	147.07 303	ePKP2	PKPbc	19 27 10.7 -0.2
KIZK	Mersin	147.14 302	i/P	PKIKP	19 27 12.4 -0.8
KIZK	comp=Z,2um,0.8s		IAML_P		
ANTO	Antara	147.16 308	ePKPdf	PKPdf	19 27 08.2 -0.1
ANTO	Antara	147.16 308	i/P	PKPbc	19 27 12.0 +0.4
ANTO	Antara	147.16 308	i/PKPK2	PKPbc	19 27 12.0 +0.4
BR231	Keeskin MP Arra	147.18 308	ePKPbc	PKPbc	19 27 11.4 -0.2
EDI	Edinburgh	147.25 3	ePKPdf	PKPdf	19 27 08.4 +0.5
ESU	Stoneypath	147.28 2	eP	PKPdf	19 27 08.2 +0.2
PSBU	Gleniffer	147.29 4	eP	PKPdf	19 27 08.1 +1.1
KKUL	Konya-Kulu	147.30 307	i/P	PKIKP	19 27 13.1 -0.6
KKUL	comp=Z,5.39nm,0.8s		IAML_P		
TLCR	TLCR	147.43 320	i/P	PKPbc	19 27 12.4 +0.5
TLCR	Elat	147.47 289	ePKPbc	PKPbc	19 27 12.7 +0.1
EIL	comp=Z,1.6nm,0.9s,baz=333,slow=1.7,SNR=11		PKPbc	PKPbc	19 27 12.6 0.0
PHNC	Paralimni	147.56 299	i/P	PKPbc	19 27 12.6 0.0
GULN	MERSIN_Gulnar	147.68 301	i/P	PKPbc	19 27 13.5 +0.6
GULN	comp=Z,2um,0.5s		IAML_P		
YIGI	Dzce	147.70 311	i/P	PKPbc	19 27 12.2 -0.6
YIGI	comp=Z,1um,0.8s		IAML_P		
CFR	Carcalui	147.84 320	i/P	PKPbc	19 27 12.9 -0.1
CFR	Carcalui	147.84 320	i/PKPK2	PKPbc	19 27 12.9 -0.1
EKA	Esdkalemir Ar	147.84 3	ePKPbc	PKPbc	19 27 12.3 -0.4
EKA	comp=Z,10nm,0.4s,baz=356,slow=2.1,SNR=98		PKPbc	PKPbc	19 27 12.3 -0.4
ESK	Esdkalemir	147.85 3	ePKPdf	PKPdf	19 27 09.3 +0.4
ESK	Esdkalemir	147.85 3	ePKPbc	PKPbc	19 27 12.7 -0.7
ESK	Esdkalemir	147.85 3	ePKPbc	PKPbc	19 27 08.6 -0.3
CLGH	Cloghs, Cushen	147.89 6	eP	PKPdf	19 27 08.5 -0.5
TESR	Tescani	147.92 323	i/P	PKPbc	19 27 13.2 0.0
BIZ	Bicaz	147.95 324	i/P	PKPdf	19 27 10.4 +1.0
BUR08	Bucovina Ar. S	147.98 326	ePKPdf	PKPdf	19 27 09.9 +0.4
BUR08	comp=Z,2um,0.8s		PKPbc	PKPbc	19 27 14.1 -0.7
ERMK	Ermenek	148.05 303	i/P	PKIKP	19 27 14.7 -0.7
ERMK	comp=Z,3um,0.7s		IAML_P		
TIRR	Tirgusor	148.06 319	ePKPbc	PKPbc	19 27 13.3 -0.3
TIRR	Tirgusor	148.06 319	ePKPbc	PKPbc	19 27 13.5 +0.4
TIRR	Tirgusor	148.06 319	i/P	PKPbc	19 27 13.9 +0.4
TIRR	Tirgusor	148.06 319	i/PKPK2	PKPbc	19 27 14.0 +0.4
MDUB	Mudurnu	148.07 310	ePKPdf	PKPdf	19 27 09.1 -0.8
MDUB	Howats Hill	148.08 3	eP	PKPbc	19 27 13.4 -0.5
KDHN	Kadinhani	148.10 306	i/P	PKPbc	19 27 13.2 -0.1
BHH	BHH	148.10 306	i/P	PKPbc	19 27 13.7 -0.4
BHH	comp=Z,2um,0.7s		IAML_P		
CSS	Mathiatis	148.13 299	ePKPbc	PKPbc	19 27 13.8 -0.3
CSS	Mathiatis	148.13 299	ePKPbc	PKPbc	19 27 14.0 -0.1
ODBI	Odobesti	148.13 322	i/P	PKIKP	19 27 14.7 -0.3
KMER	Konya-Meram	148.15 305	i/P	PKIKP	19 27 14.8 -0.7
KMER	comp=Z,2.33nm,0.2s		IAML_P		
MAMC	Mammarı	148.17 300	i/P	PKPbc	19 27 14.3 +0.1
MFR	Murfatlar	148.21 319	i/P	PKPbc	19 27 14.3 +0.4
TLB	Topalu	148.22 319	i/P	PKIKP	19 27 14.5 -0.7
TLB	Topalu	148.22 319	i/PKPK2	PKIKP	19 27 14.5 -0.7
HARR	Harsova	148.23 319	i/P	PKPbc	19 27 13.9 -0.1
HARR	Harsova	148.23 319	i/PKPK2	PKPbc	19 27 13.9 -0.1
VRI	Vrincioia	148.26 322	i/PKPK2	PKPbc	19 27 14.3 +0.2
VRI	Vrincioia	148.26 322	i/P	PKPbc	19 27 14.3 +0.2
PLOR	Plostina	148.31 322	i/P	PKPbc	19 27 13.7 -0.6
CYDA	Cernavoda	148.35 319	i/P	PKIKP	19 27 15.1 -0.4
EDMD	Edmundbyers	148.38 1	eP	PKPdf	19 27 10.0 +0.2
LEF	Lefka	148.44 300	i/P	PKPbc	19 27 15.1 +0.2
LEF	Lefka	148.44 300	i/P	PKPbc	19 27 14.8 -0.1
LEF	comp=Z,5um,0.5s		IAML_P		
BISR	Bisoca	148.46 322	i/P	PKIKP	19 27 15.2 -0.6
KOLS	Kolonickie sedl	148.51 330	ePKP	PKPdf	19 27 10.5 +0.3
KOLS	comp=Z,2.1nm,0.9s		IAML_P		
SZAS	Souni	148.53 299	eP	PKPbc	19 27 14.9 -0.3
DOGA	KONYA_Doganhis	148.57 306	i/P	PKPbc	19 27 15.3 0.0
DOGA	comp=Z,5.80nm,0.5s		IAML_P		
KESW	Keswick, Cumber	148.59 3	eP	PKPbc	19 27 13.1 -1.5
OJC	Ojcow	148.59 334	eP	PKPbc	19 27 14.9 +0.2
OJC	Ojcow	148.59 334	ePKPdf	PKPdf	19 27 09.7 -0.6
OJC	Ojcow	148.59 334	ePKPbc	PKPbc	19 27 13.9 -0.9
OJC	Ojcow	148.59 334	ePKIKP	PKPdf	19 27 09.7 -0.6
ICOR	Ion Corvin	148.61 319	i/P	PKPbc	19 27 15.2 +0.2
GAZI	Gazipasa	148.63 302	i/P	PKPbc	19 27 14.9 -0.4
GAZI	comp=Z,3um,0.8s		IAML_P		
OZUR	Alfeka	148.64 323	i/P	PKPbc	19 27 14.0 -1.1
ALPC	Uzgodno	148.67 300	eP	PKPbc	19 27 15.0 -0.5
UZH	Mits of Mourne	148.72 330	i/PKPKP	PKPbc	19 27 15.1 0.0
GMM	GMM	148.74 6	eP	PKPdf	19 27 11.3 +1.0
ARCR	ARCALIA	148.78 326	i/P	PKIKP	19 27 15.8 -0.5
BMR	Baia Mare	148.82 328	i/P	PKPbc	19 27 14.4 -1.0
IOMT	Kirk Michael	148.83 4	eP	PKPdf	19 27 10.2 -0.3
SILK	Sile	148.86 312	i/P	PKPdf	19 27 16.2 -0.4
MLR	Muntele Rosu	148.92 322	ePKP	PKPdf	19 27 10.2 -0.9
MLR	comp=Z,5.6nm,1.0s,baz=62,slow=1.3,SNR=5.5		PKPbc	PKPbc	19 27 15.7 -0.2
MLR	comp=Z,1.7nm,0.6s,baz=90,slow=3.2,SNR=31		PKPbc	PKPbc	19 27 10.5 -0.6
MLR	Papros	148.93 310	i/P	PKPbc	19 27 15.2 -0.9
WOPR	Isle of Man	148.94 4	eP	PKPdf	19 27 10.3 -0.4
DIMR	Docpa	148.94 323	i/P	PKPbc	19 27 16.0 +0.2
TRPA	Tarpa	148.96 329	i/P	PKPbc	19 27 15.5 -0.2
TRPA	Tarpa	148.96 329	i/P	PKPbc	19 27 15.1 -0.6
KEPZ	Antalya-Kepez	148.99 304	i/P	PKPbc	19 27 14.1 -2.1
KEPZ	comp=Z,1um,0.5s		IAML_P		
NIE	Niedzica	149.01 333	eP	PKIKP	19 27 16.6 -0.1
NIE	Niedzica	149.01 333	ePKP2	PKIKP	19 27 16.6 -0.1
SEC	SULR	149.12 321	i/P	PKPbc	19 27 16.1 -0.5
SULR	SULR	149.22 312	i/P	PKPbc	19 27 16.3 -0.1
KLYT	Kilyos	149.23 313	i/P	PKPbc	19 27 15.9 -0.6
HPK	Haverah Park	149.26 1	eP	PKPbc	19 27 15.6 -0.6
BAGO	Egridir - ISPA	149.26 306	i/P	PKPab	19 27 23.0 -0.8
BAGO	comp=Z,2.564nm,0.8s		IAML_P		
YLV	Yalova	149.30 311	i/P	PKPbc	19 27 16.8 -0.1

PRD	Provadia	149.35 317	eP	PKPbc	19 27 17.0 +0.2
KSP	Ksiaz	149.37 339	eP	PKIKP	19 27 17.2 -0.1
MDB	Medias	149.38 325	i/P	PKIKP	19 27 17.8 +0.2
MDB	Medias	149.38 325	i/PKPK2	PKIKP	19 27 17.8 +0.2
CJR	Cluj-Napoca	149.41 326	i/P	PKIKP	19 27 17.6 -0.1
VOIR	VOIR	149.46 323	eP	PKPbc	19 27 17.2 +0.1
ISP	Isparta	149.52 306	ePKPbc	PKPbc	19 27 15.6 -1.9
ISP	Isparta	149.52 306	i/P	PKPbc	19 27 15.9 -1.6
OKC	Ostrava-Krasne	149.54 336	ePKP	PKPbc	19 27 17.3 +0.3
LANS	Liptovska Anna	149.56 333	ePKP2	PKIKP	19 27 18.7 +0.8
LANS	Liptovska Anna	149.56 333	ePKP	PKIKP	19 27 18.7 +0.8
OSTC	Ostias	149.64 338	eP	PKIKP	19 27 17.2 +0.2
KECS	Kecevo	149.64 332	ePKP	PKPab	19 27 26.2 +1.3
KECS	Kecevo	149.64 332	ePKP	PKIKP	19 27 17.9 -0.1
ULDT	Uludag	149.64 311	i/P	PKIKP	19 27 18.4 -0.2
ULDT	comp=Z,2um,0.8s		IAML_P		
KZIL	AFYON_Kizoren	149.65 307	i/P	PKIKP	19 27 18.8 +0.2
KZIL	comp=Z,2um,0.5s		IAML_P		
CHVC	Chvatec	149.66 339	ePKP	PKIKP	19 27 17.9 -0.2
WPS	Cemaes, Angles	149.69 4	eP	PKPdf	19 27 17.1 -0.1
RAZG	Razgrad	149.70 319	i/P	PKPbc	19 27 17.5 -0.1
WME	Myrdnd Eilian	149.71 4	eP	PKPdf	19 27 11.3 -0.6
ARR	Argec	149.73 323	i/P	PKIKP	19 27 18.4 0.0
UPC	Urges	149.75 330	i/P	PKIKP	19 27 18.1 -0.1
DP	Dobruska-Polom	149.78 338	ePKIKP	PKPdf	19 27 12.4 +0.2
DP	Dobruska-Polom	149.78 338	eP	PKPdf	19 27 26.3
DPC	Dobruska-Polom	149.78 338	ePKPDF	PKPdf	19 27 12.4 +0.2
DPC	Dobruska-Polom	149.78 338	ePKPAB	PKPab	19 27 26.3 +0.8
LTVH	Ltavrtse, Hu	149.79 329	eP	PKPbc	19 27 17.1 -0.6
DRGR	DRGR	149.81 327	i/P	PKPdf	19 27 12.3 -0.1
DRGR	DRGR	149.81 327	i/PKIKP	PKPdf	19 27 12.3 -0.1
WLF1	Lynfaes	149.81 4	eP	PKPdf	19 27 11.7 -0.3
MORC	Moravsky Berou	149.82 336	ePKPdf	PKPdf	19 27 11.7 -0.6
MORC	Moravsky Berou	149.82 336	ePKPbc	PKPbc	19 27 18.0 +0.2
MORC	Moravsky Berou	149.82 336	ePKP	PKPbc	19 27 18.0 +0.2
MORC	Moravsky Berou	149.82 336	ePKIKP	PKPdf	19 27 12.4 +0.1
MORC	Moravsky Berou	149.82 336	ePKIKP	PKPdf	19 27 11.7 -0.6
MORC	Moravsky Berou	149.82 336	ePKP	PKPdf	19 27 12.4 +0.1
MORC	Moravsky Berou	149.82 336	ePKP	PKPdf	19 27 18.2 +0.1
GDZ	gediz	149.82 309	i/P	PKPbc	19 27 18.5 +0.2
GDZ	comp=Z,2um,0.6s		IAML_P		
YRC	Rhoscolyn	149.84 5	eP	PKPdf	19 27 11.0 -1.1
BRDR	BURDUR-Merkez	149.91 306	i/P	PKPbc	19 27 18.1 -0.3
BRDR	comp=Z,2um,0.8s		IAML_P		
KORT	Korkueil	149.92 304	i/P	PKPbc	19 27 18.3 -0.3
KORT	comp=Z,4um,0.5s		IAML_P		
COLIM	Colim	149.97 343	ePKPdf	PKPdf	19 27 12.4 0.0
COLL	COLL	149.97 343	ePKPbc	PKPbc	19 27 18.1 +0.2
COLL	COLL	149.97 343	ePKPab	PKPab	19 27 26.0 -0.1
COLL	COLL	149.97 343			

Table with columns for station name, coordinates, and various parameters. Includes stations like BFO Black Forest, WATA Walderalm, WATA comp=Z, 2.0nm, 0.6s, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like PFVI Vila Bisbo, PVAQ Vaqueiros, PVAQ Vaqueiros, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like GRPR 120nm, 0.4s, GLVR Golovino, GLVR 10.0nm, 0.4s, etc.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like FDMO Fiordimonte, FDMO comp=E,136um,0.2s, FDMO comp=N,111um,1.4s, etc.

ROM 26 19:36:58.9-0.0,43°27'8N;0°00'2.12740E;0.003, h1km, ML1.3/4, Error ellipse: s-maj=0.3km s-min=0.0km az=220.0, Central Italy

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like FOSV Fossato di Vic, ATCC AVT- Casa Cast, SNTG Esanatoglia, etc.

IDC 26 19:46:59.9-1.0,37°26'N;142°00'E, h0km, mb3.6/7, mb1 3.6/11, mb1mx3.5/37, mbtmp3.6/11, ML3.3/3, MS2.8/5,

Msl 2.8/5, ms1mx2.5/35, Error ellipse: s-maj=24.1km s-min=17.4km az=97.0, ISCJB 26 19:47:00.8-1.0,37°32'N;0°03'14.1°99E;0°05, h16km,6km, mb3.5/7, MS3.8/2, Error ellipse: s-maj=7.5km s-min=4.6km az=26.2

NIED 26 19:47:00.37°30'N;141°90E, h41km, Mw3.7 Best double couple: M=4.11000x10^14 NP1=221.00000°, 811.00000°, 7.32.00000°. NP2=99.00000°, 884.00000°, 1.99.00000°. JMA 26 19:47:04.1-0.1,37°34'N;141°84E, h42km,3km, M3.9 JMA Felt I/JL

ISC 26 19:47:00.1-1.7,37°31'N;0°04'14.1°93E;0°05, h3km,10km, m3.5, 1827/42, mb3.5/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like JFK Kawauchi, JFJK Iwakimizuishi, ONAJ Minamisumitoc, etc.

WEL 26 19:55:05.0,38°S;2°17'9E;h26km,6km, M3.3/26, ML3.5/19, MLV3.3/26, Error ellipse: s-maj=0.0km s-min=0.0km az=59.7, Off east coast of North Island

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like CNGZ Carnagh Statio, PUP Pukehiki, TWGZ Tauwharepara, etc.

ISCJB 26 19:59:29.8-0.5,9°49'N;0°03'122°34E;0°04, h57km,5km, mb4.2/30, MS2.7/7, Error ellipse: s-maj=6.5km s-min=5.6km az=166.6

NEIC 26 19:59:31.2-1.7,9°48'N;122°40E, h52km,9km, mb4.4/12, Error ellipse: s-maj=16.8km s-min=7.2km az=80.0, KNEC Felt [III PIVS] at Sipalay, IDC 26 19:59:33.5-6.5,9°53'N;122°49E, h75km,59km, mb3.6/17, mb1 3.7/17, mb1mx3.5/49, mbtmp3.9/17, MS2.9/8,

Msl 2.9/8, ms1mx2.7/32, Error ellipse: s-maj=20.1km s-min=12.0km az=73.0, ISC 26 19:59:31.0-1.1,9°52'N;0°04'122°38E;0°05, h51km,10km, m5.1, 1807/53, mb4.1/30, MS2.7/7, 2C-4D, Negros

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res, ISC. Includes stations like SNPH Sibulan, JAP San Jose, Anti, TBP Tagbilaran, etc.

IDC 26 20:02:32.2-1.2,34°18'N;125°14E, h0km, mb3.5/5, mb1 3.6/8, mb1mx3.3/44, mbtmp3.6/8, ML3.7/3, Error ellipse: s-maj=23.4km s-min=18.3km az=66.0, ISCJB 26 20:02:33.8-1.0,34°11'N;0°04'25°18E;0°03, h24km,7km, mb3.4/5, Error ellipse: s-maj=7.3km s-min=4.3km az=14.9, THE 26 20:02:33.9,34°16'N;25°15E, h2km,3km, ML3.0/6, Error ellipse: s-maj=4.2km s-min=1.5km az=160.0, ATH 26 20:02:34.4, 34°24'N;25°12E, h2km,2km, ML3.0/3, Error ellipse: s-maj=4.5km s-min=1.7km az=6.0, DDA 26 20:03:31.7, 35°7'N;27°20E, h3km,3km, ML2.7, ISC 26 20:03:30.1-1.6,34°16'N;0°06'25°20E;0°03, h9km,9km, m4.8, 185/68, mb3.6/5, Crete

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

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Anoya, Zakros, Prines Rethymn, VAMOS, etc.

IDC 26:20:25:37.5-13.0, 20:58S-177:84W, h111km, 107km, mb3.4/3, mb1 3.7/5, mb1mx3.4/33, mbtmp.0/5=ML3.7/2, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, URZ, STKA, ASAR, WRA, ARCES.

ISC 26:20:28:10.4, 1.3, 30:513N:0:06:19:25E:0:04, h0km, n5, r168/10, Poland

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OJC, NIE, LANS, MORC, WYHS.

IDC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=9.8km s-min=5.0km az=115.0

BUI 26:37:15.0-0.0, 58:00N:151:70W, h33km, mb4.8/29, mb4.9/22, Ms4.5/8, Ms7.4/2/8

ISCJB 26:37:17.9-0.2, 58:17N:0:02:151:91W, h0.03, h34km, 2km, mb4.6/242, MS3.8/2/4, Error ellipse: s-maj=2.7km s-min=2.3km az=2.9

MOS 26:37:17.7-1.0, 58:15N:152:09W, h34km, mb5.0/61, Error ellipse: s-maj=9.7km s-min=4.5km az=92.6

NEIC 26:37:20.0-1.9, 58:07N:151:85W, h39km, 5km, mb4.7/184, MV4.6, ML4.4(AEIC), Error ellipse: s-maj=7.2km s-min=5.1km az=136.0, Moment Tensor Solution. s30

Moment tensor: Scale 10^19Nm; M=7.74; Mw=2.1; Mw=5.63; Mw=1.46; Mw=4.58; Mw=0.62; Best double couple: Mb=5.00000-1.015, Np=2.0700000, 0.41.000000, 1-1.01.000000; Np=2.41.000000; 0.50.000000; 1-1.81.000000; Principal axes: T 8.8900, P1g5.0000; Azm125.0000; N -0.9400, P1g7.0000; Azm215.0000; P -7.9600, P1g82.0000; Azm1.0000;

NEIC FEL(III) at Kodiak. Also felt at Uuzinkie. AIC 26:37:19.2-0.0, 57:99N:151:75W, h29km

ISC 26:37:19.2-0.0, 58:11N:0:04:151:86W:0:04, h34km, 1km, h35km; p-P, n799, e1919/836, mb4.7/244, MS3.7/24, 25C-6D, Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like F0N1, CNPM, KAHG, etc.

IDC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

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

ISC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

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

IDC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

BUI 26:37:15.0-0.0, 58:00N:151:70W, h33km, mb4.8/29, mb4.9/22, Ms4.5/8, Ms7.4/2/8

ISCJB 26:37:17.9-0.2, 58:17N:0:02:151:91W, h0.03, h34km, 2km, mb4.6/242, MS3.8/2/4, Error ellipse: s-maj=2.7km s-min=2.3km az=2.9

MOS 26:37:17.7-1.0, 58:15N:152:09W, h34km, mb5.0/61, Error ellipse: s-maj=9.7km s-min=4.5km az=92.6

NEIC 26:37:20.0-1.9, 58:07N:151:85W, h39km, 5km, mb4.7/184, MV4.6, ML4.4(AEIC), Error ellipse: s-maj=7.2km s-min=5.1km az=136.0, Moment Tensor Solution. s30

Moment tensor: Scale 10^19Nm; M=7.74; Mw=2.1; Mw=5.63; Mw=1.46; Mw=4.58; Mw=0.62; Best double couple: Mb=5.00000-1.015, Np=2.0700000, 0.41.000000, 1-1.01.000000; Np=2.41.000000; 0.50.000000; 1-1.81.000000; Principal axes: T 8.8900, P1g5.0000; Azm125.0000; N -0.9400, P1g7.0000; Azm215.0000; P -7.9600, P1g82.0000; Azm1.0000;

NEIC FEL(III) at Kodiak. Also felt at Uuzinkie. AIC 26:37:19.2-0.0, 57:99N:151:75W, h29km

ISC 26:37:19.2-0.0, 58:11N:0:04:151:86W:0:04, h34km, 1km, h35km; p-P, n799, e1919/836, mb4.7/244, MS3.7/24, 25C-6D, Kodiak Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like 55nm, 1.3s, ADK, etc.

IDC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like M04C, MSO, MJO, etc.

ISC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

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

IDC 26:37:14.9-0.4, 58:34N:152:08W, h0km, mb4.3/29, mb1 4.5/32, mb1mx4.5/36, mbtmp.4/3/32, ML4, 1/4, MS3.7/18, Ms1 3.7/18, ms1mx3.5/33, Error ellipse: s-maj=78.0km s-min=48.0km az=36.0, Fiji Islands region

BUI 26:37:15.0-0.0, 58:00N:151:70W, h33km, mb4.8/29, mb4.9/22, Ms4.5/8, Ms7.4/2/8

ISCJB 26:37:17.9-0.2, 58:17N:0:02:151:91W, h0.03, h34km, 2km, mb4.6/242, MS3.8/2/4, Error ellipse: s-maj=2.7km s-min=2.3km az=2.9

MOS 26:37:17.7-1.0, 58:15N:152:09W, h34km, mb5.0/61, Error ellipse: s-maj=9.7km s-min=4.5km az=92.6

NEIC 26:37:20.0-1.9, 58:07N:151:85W, h39km, 5km, mb4.7/184, MV4.6, ML4.4(AEIC), Error ellipse: s-maj=7.2km s-min=5.1km az=136.0, Moment Tensor Solution. s30

Moment tensor: Scale 10^19Nm; M=7.74; Mw=2.1; Mw=5.63; Mw=1.46; Mw=4.58; Mw=0.62; Best double couple: Mb=5.00000-1.015, Np=2.0700000, 0.41.000000, 1-1.01.000000; Np=2.41.000000; 0.50.000000; 1-1.81.000000; Principal axes: T 8.8900, P1g5.0000; Azm125.0000; N -0.9400, P1g7.0000; Azm215.0000; P -7.9600, P1g82.0000; Azm1.0000;

NEIC FEL(III) at Kodiak. Also felt at Uuzinkie. AIC 26:37:19.2-0.0, 57:99N:151:75W, h29km

ISC 26:37:19.2-0.0, 58:11N:0:04:151:86W:0:04, h34km, 1km, h35km; p-P, n799, e1919/836, mb4.7/244, MS3.7/24, 25C-6D, Kodiak Island region

1425

2013 JUL

26d 20h

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like NV11 Mina Array Sit, NV11 Old Mammoth Mt, HWUT Hardwire Ranch, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like Y12C Blythe, W12C Blythe, WUAZ Wupatki, etc.

Table with columns: ID, Name, Date, Time, Status, and other details. Includes entries like HHAR Hobbs, CCM Cathedral Cave, E51A G1948 Merrick, etc.

26d 21h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like JIRB, IKJM, JM, JM, etc.

IDC 26 21:06:42.4 2.0, 6.43S, 103.64E, h0km, mb3.7/8, m1 3.8/9, mb1mx3.6/31, mbtrp3.7/9, ML3.8/1, MS3.0/2, Ms1 3.0/2, ms1mx2.6/40, Error ellipse: s-maj=55.4km, s-min=19.3km az=47.0

ISCBJ 26 21:06:44.5 0.6, 6.53S, 103.54E, 0.05, h35km, mb4.3/12, Error ellipse: s-maj=8.1km s-min=5.6km az=147.8

NEIC 26 21:06:47.9 1.5, 6.40S, 103.77E, h36km, 11km, mb4.6/6, Error ellipse: s-maj=9.3km s-min=6.1km az=162.0

DJA 26 21:06:53.1 0.7, 6.53S, 103.40E, h10km, M3.5/7, MLv3.5/7, ISCB 26 21:06:47.5 0.8, 6.43S, 103.71E, 0.08, h35km, n37, n=176/39, mb4.0/12, Southwest of Sumaterra

Main station list table for 26d 21h, including stations like KASI, LWLI, BLSI, etc.

ISCBJ 26 21:07:52.9 0.6, 35.00N, 104.05, 35.69E, 0.07, h10km, Error ellipse: s-maj=8.4km s-min=6.4km az=170.4

DDA 26 21:08:09.0, 36.18N, 36.9E, h7km, 3km, ML2.5

NSSC 26 21:08:13.1 0.4, 33.65N, 36.06E, h44km, 4km, ML1.7

ISC 26 21:07:52.6 1.1, 35.00N, 104.03, 35.69E, 0.06, h10km, n26, n=65/29, Jordan-Syria region

Continuation of station list table for 26d 21h, including stations like QASN, KRTS, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like CEYT, IKL, MERS, etc.

IDC 26 21:32:55.8 0.3, 58.03S, 24.15W, h0km, mb5.5/15, mb1 6.5/17, mb1mx5.5/18, mbtrp5.5/17, ML5.7/2, MS6.0/20, Ms1 5.9/20, ms1mx5.9/20, Error ellipse: s-maj=12.9km, s-min=10.4km az=170.0

ISCBJ 26 21:32:57.9 0.1, 57.89S, 0.03, 24.09W, 0.06, h10km, mb6.1/123, MS6.0/546, Error ellipse: s-maj=5.2km, s-min=4.0km az=146.1

BUJ 26 21:32:58.0 0.0, 57.72S, 24.20W, h10km, mb6.1/52, MS6.3/76, Ms7.6/272

NEIC 26 21:32:60.2 0.7, 57.92S, 23.84W, h13km, mb6.2/126, ME6.6, MS6.0/519, MW6.2, MW6.3, Error ellipse: s-maj=14.9km s-min=11.5km az=28.0, Moment Tensor Solution, s32, Moment tensor: Scale 1019Nm; Mr=0.09; Mw=2.23; Mv=2.13; Mh=0.20; Ms=1.01; Mv=0.58; Best double couple: Ms2.500000, 1019 NP1.58.000000, 576.000000, 1.4.000000, NP2.327.000000, 886.000000, 1.666.000000, Principal axes: T 2.4700, Plg13.0000, Azm282.0000; N 0.0200, Plg75.0000, Azm13.0000; P -2.4900, Plg7.0000, Azm13.0000; Broadband fault plane solution: P waves: NP1.58.000000, 570.000000, 1.5.000000, NP2.327.000000, 885.000000, 1.60.000000, Principal axes: T Plg18.0000, Azm289.0000; N Plg0.0000, Azm0.0000, Plg10.0000, Azm23.0000; Apparent Stress 2.68 MPa, Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism

NEIC 26 21:32:59.0 0.0, 57.69S, 23.40W, h23km, Moment Tensor Solution, s28, Moment tensor: Scale 1018Nm; Mr=0.06; Mw=2.60; Mv=2.66; Mh=0.74; Ms=1.06; Mv=0.55; Best double couple: Ms3.000000, 1018 NP1.56.000000, 590.000000, 1.18.000000, NP2.326.000000, 872.000000, 1.80.000000, Principal axes: T 3.0200, Plg12.0000, Azm282.0000; N -0.0800, Plg12.0000, Azm56.0000; P -2.9400, Plg12.0000, Azm189.0000

MOS 26 21:33:01.9 1.8, 57.85S, 24.05W, h33km, mb6.0/38, MS9.4/47, Error ellipse: s-maj=17.3km s-min=9.2km az=93.9

GCMT 26 21:33:05.0 0.0, 58.12S, 23.51W, h17km, MW6.3/145, Moment Tensor Solution, s143, c318, s145, c588; Duration: s33, Moment tensor: Scale 1018Nm; Mr=0.29; Mw=2.45; Mv=2.75; Mh=0.17; Ms=0.78; 0.4; Mw=1.12; 0.4; Best double couple: Ms3.152000, 1018 NP1.148.000000, 587.000000, 1.54.000000, NP2.56.000000, 864.000000, 1.4.000000, Principal axes: T 3.2460, Plg16.0000, Azm279.0000; N -0.1810, Plg64.0000, Azm155.0000; P -3.0590, Plg1.0000, Azm15.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface/mantle waves, cutoff=50s, Triangular moment-rate function

NEIC 26 21:33:18.9 0.0, 57.53S, 23.66W, h10km, Moment Tensor Solution, s61, Moment tensor: Scale 1018Nm; Mr=0.46; Mw=2.12; Mv=2.58; Mh=0.27; Ms=1.17; Mv=0.17; Best double couple: Ms2.600000, 1018 NP1.329.000000, 885.000000, 1.172.000000, NP2.238.000000, 883.000000, 1.5.000000, Principal axes: T 2.8600, Plg2.0000, Azm103.0000; N -0.4200, Plg81.0000, Azm1.0000; P -2.4400, Plg9.0000, Azm193.0000

ISC 26 21:33:00.1 0.3, 58.04S, 24.28W, 0.03, h17km, 11km, h17km, P-P, 1.418, c248/1182, mb6.2/121, MS6.0/552, 18C-10D, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like HOPE, VNA1, etc.

PMSA Palmer Station 19.90 234 P 21 37 30.3 +0.1

PMSA Palmer Station 19.90 234 P 21 37 31.8 -0.1

PMSA Palmer Station 19.90 234 P 21 37 32.3 +0.4

PMSA Palmer Station 20.30 274 P 21 37 36.4 -0.4

TRIS Tristan da Cun 22.41 26 P 21 37 57.1 -0.4

USHA Ushuaia 24.29 258 P 21 38 15.1 -1.0

GO09 Cerro Castillo 28.09 263 P 21 38 49.1 -1.4

SYO Syowa Base 29.04 138 P 21 38 57.6 -1.1

OSPA South Pole Qui 32.21 180 S 21 41 35.3 -3.6

1428

Main station list table for 1428, including stations like QSPA, OSPA, PLTB, etc.

PB11	IPOC Station P	50.47 300	PFAKE	LR	21 42 10.0 +13
PB11	comp=Z,11um,21.0s				
ASCN	Ascension	50.57 13	eP	P	21 41 53.0 -4.6
ASCN	comp=Z,194nm,1.0s				
H10N1	ASCESSION HYDR50.64	13	P	P	21 41 56.8 -0.9
H10N1	baz=182,slow=9.0,SNR=5.0				
H10N3	ASCESSION HYDR50.64	13	P	P	21 42 00.3 +2.6
H10N3	baz=182,slow=9.0,SNR=4.4				
H10N2	ASCESSION HYDR50.66	13	P	P	21 42 00.7 +2.8
H10N2	baz=182,slow=9.0,SNR=4.0				
MNMC	Minye Minye	59.00 300	PFAKE	LR	21 42 10.0 +9.0
MNMC	comp=Z,6um,18.0s				
CASY	Casey	51.49 158	eP	P	21 42 03.5 -0.4
CASY	comp=Z,175nm,1.1s				
NBLI	Livramento-PB	51.49 344	eP	P	21 42 02.6 -1.9
MSNA	Messina	52.59 71	iP	P	21 42 10.5 -2.3
MSNA	Messina	52.59 71	iP	P	21 42 10.5 -2.3
LPAZ	La Paz	52.81 303	eP	P	21 42 14.1 -1.0
LPAZ	comp=Z,119nm,0.8s,baz=146,slow=5.8,SNR=49				
LPAZ	comp=Z,18nm,1.1s,baz=169,slow=19,SNR=3.9				
LPAZ	comp=Z,4um,19.7s,baz=144,slow=34				
CLDB	Colider	52.83 320	eP	P	21 42 14.1 -0.4
RCBR	Riachuelo	52.86 345	eP	P	21 42 15.9 +1.2
RCBR	comp=Z,425nm,1.7s				
RCBR	comp=Z,14um,21.0s				
RCBR	comp=Z,425nm,1.7s				
RCBR	comp=Z,14um,21.0s				
NBPA	Parau RN	52.86 345	eP	P	21 42 15.5 +0.8
NBPA	Parau RN	53.10 344	eP	P	21 42 15.8 -0.7
MATP	Matopo	53.45 68	iP	P	21 42 17.2 -2.0
MATP	Matopo	53.45 68	iP	P	21 42 17.2 -2.0
BLWY	Bulawayo	53.74 68	iP	P	21 42 18.9 -2.5
BLWY	Bulawayo	53.74 68	iP	P	21 42 18.9 -2.5
NBMO	Morrhinhos-CE	55.97 341	eP	P	21 42 36.9 -0.3
ITZ	Itezi-Tezhi	56.25 63	iP	P	21 42 37.0 -2.5
ITZ	Itezi-Tezhi	56.25 63	iP	P	21 50 20.6 -7.9
ITZ	Itezi-Tezhi	56.25 63	iP	S	21 50 23.4 -5.1
LSZ	Lusaka	57.69 65	eP	P	21 42 46.6 -3.0
LSZ	comp=Z,244nm,0.9s				
LSZ	Lusaka	57.69 65	eP	P	21 42 46.7 -3.0
NNA	Nana	60.58 297	eP	P	21 43 10.4 +0.7
NNA	comp=Z,137nm,1.3s				
NNA	Nana	60.58 297	eP	P	21 43 10.4 +0.7
NNA	comp=Z,11um,20.0s				
NNA	comp=Z,137nm,1.3s				
PTGA	Pitinga	63.72 319	eP	P	21 43 30.0 -0.6
PTGA	comp=Z,179nm,1.1s				
PTGA	Pitinga	63.72 319	eP	P	21 43 30.3 -0.3
PTGA	comp=Z,13um,18.0s				
ABPO	Ambohipanomo	64.28 85	eP	P	21 43 34.4 -0.1
ABPO	comp=Z,51nm,1.0s				
ABPO	Ambohipanomo	64.28 85	eP	P	21 43 34.4 -0.1
ABPO	comp=Z,14um,19.0s				
ABPO	comp=Z,51nm,1.0s				
OPO	Ambohadratomo	64.63 84	S	MLR	21 52 15.2 -0.7
OPO	comp=Z,1.7nm,0.7s,baz=287,slow=19,SNR=1.6				
RPN	Rapa Nui	64.86 259	eP	P	21 43 39.9 +1.9
RPN	comp=Z,951nm,1.7s				
RPN	Rapa Nui	64.86 259	eP	P	21 43 39.9 +1.9
RPN	comp=Z,951nm,1.7s				
LIC	Lamto	65.92 21	eP	P	21 43 42.7 -2.1
LIC	comp=Z,670nm,0.8s				
KIC	Kosan Boka	66.10 21	eP	P	21 43 43.4 -2.6
KIC	comp=Z,441nm,0.8s				
TIC	Tomodok	66.33 21	eP	P	21 43 45.0 -2.5
TIC	Tomodok	66.33 21	eP	P	21 43 45.9 -1.9
DBIC	DBIC	66.33 21	eP	P	21 52 25.2 -1.2
DBIC	comp=Z,101nm,0.6s,baz=169,slow=7.2,SNR=74				
DBIC	comp=Z,4.4nm,1.0s,baz=198,slow=6.4,SNR=2.1				
DBIC	DBIC	66.38 21	P	LR	22 06 54.1
DBIC	comp=Z,9um,18.6s,baz=170,slow=31				
DBIC	DBIC	66.38 21	P	S	21 52 25.2 -1.2
DBIC	comp=Z,101nm,0.6s				
DBIC	comp=N,4.0nm,1.0s				
DBIC	DBIC	67.05 93	eP	P	21 43 50.5 -1.7
DBIC	comp=Z,9um,18.6s				
DBIC	comp=Z,211nm,0.9s				
MCQ	Macquarie Isla	67.79 182	eP	P	21 43 58.6 +2.3
MCQ	comp=Z,611nm,1.7s				
MCQ	Macquarie Isla	67.79 182	eP	P	21 43 58.6 +2.3
MCQ	comp=Z,611nm,1.7s				
MRIV	Mauritius Mete	68.69 94	eP	P	21 44 02.0 -0.5
MRIV	comp=Z,94nm,1.4s				
PTLC	Puerto Leguiza	70.38 305	eP	P	21 44 09.2 -3.7
PTLC	Mbarara	71.71 60	eP	P	21 44 21.1 -0.1
PTLC	comp=Z,263nm,1.5s				
MBAR	Mbarara	71.71 60	eP	P	21 44 21.1 -0.1
MBAR	comp=Z,14um,18.0s				
MBAR	Mbarara	71.71 60	eP	P	21 44 21.1 -0.1
MBAR	comp=Z,263nm,1.5s				
MACC	Macarena, Meta	71.74 307	eP	P	21 44 21.2 0.0
MACC	Flores	72.02 305	eP	P	21 44 21.9 -1.0
CRUC	La Cruz	72.75 304	eP	P	21 44 28.6 +2.0
SACV	Santiago Islan	72.74 1	eP	P	21 44 28.6 -0.2
SACV	comp=Z,142nm,1.3s				
BETO	Betania	72.91 306	eP	P	21 44 27.2 -1.0
BETO	comp=Z,10um,20.0s				
BBAC	Balboa, Cauca	73.11 304	eP	P	21 44 29.9 +0.3
BBAC	comp=Z,10um,20.0s				
MARP	Paez Belalcaza	73.28 305	eP	P	21 44 31.2 +0.6
MARP	comp=Z,10um,20.0s				
POPC	Popayan, Colom	73.32 304	eP	P	21 44 30.6 -0.3
POPC	comp=Z,10um,20.0s				
VILC	Villavicencio,	73.45 308	eP	P	21 44 31.9 +0.4
VILC	comp=Z,10um,20.0s				
PRAC	Prado	73.59 306	eP	P	21 44 33.2 +1.0
PRAC	comp=Z,10um,20.0s				
ORTO	Ortega, Tolima	73.92 306	eP	P	21 44 33.2 +1.0
ORTO	comp=Z,10um,20.0s				
CHIC	Chingaza	73.93 308	eP	P	21 44 33.9 -0.8
CHIC	comp=Z,10um,20.0s				
YOPC	Yopal, Colombi	74.04 310	eP	P	21 44 35.9 +1.0
YOPC	comp=Z,10um,20.0s				
ORIV	Ortipano	74.04 320	eP	P	21 44 36.8 +2.1
ORIV	comp=Z,10um,20.0s				
TOC4	Torodi Ar. Sit	74.05 26	PFAKE	LR	21 44 50.0 +15
TOC4	comp=Z,7um,22.0s				
TOC5	Torodi Ar. Sit	74.05 26	PFAKE	LR	21 44 50.0 +15
TOC5	comp=Z,7um,22.0s				
TOB4	Torodi Ar. Sit	74.06 26	PFAKE	LR	21 44 50.0 +15
TOB4	comp=Z,7um,22.0s				
TOB3	Torodi Ar. Sit	74.06 26	PFAKE	LR	21 44 50.0 +15
TOB3	comp=Z,7um,22.0s				
TOA3	Torodi Ar. Sit	74.06 26	PFAKE	LR	21 44 50.0 +15
TOA3	comp=Z,7um,22.0s				
TOC3	Torodi Ar. Sit	74.07 26	PFAKE	LR	21 44 50.0 +15
TOC3	comp=Z,7um,22.0s				

TOC3	TOC3	74.07 26	PFAKE	LR	21 44 50.0 +15
TOA0	Torodi Ar. Sit	74.07 26	PFAKE	LR	21 44 50.0 +15
TOA0	comp=Z,7um,22.0s				
TORD	Torodi Ar. Bea	74.07 26	P	P	21 44 32.3 -2.6
TORD	comp=Z,45nm,0.6s,baz=190,slow=6.4,SNR=157				
TORD	Torodi Ar. Bea	74.07 26	P	SKIKP	21 53 57.9 -4.0
TORD	comp=Z,1.3nm,1.1s,baz=180,slow=6.6,SNR=3.5				
TORD	Torodi Ar. Bea	74.07 26	P	P	22 11 50.3
TORD	comp=Z,3um,20.2s,baz=285,slow=32				
TOA2	Torodi Ar. Sit	74.07 26	PFAKE	LR	21 44 50.0 +15
TOA2	comp=Z,8um,18.0s				
TOB5	Torodi Ar. Sit	74.07 26	PFAKE	LR	21 44 50.0 +15
TOB5	comp=Z,8um,18.0s				
TOA1	Torodi Ar. Sit	74.07 26	PFAKE	LR	21 44 50.0 +15
TOA1	comp=Z,7um,22.0s				
TOC7	Torodi Ar. Sit	74.08 26	PFAKE	LR	21 44 50.0 +15
TOC7	comp=Z,7um,22.0s				
KMBO	Kilima Mbogo	74.33 66	P	P	21 44 36.9 +0.1
KMBO	comp=Z,10nm,1.0s,baz=202,slow=5.9,SNR=18				
KMBO	Kilima Mbogo	74.33 66	P	P	21 54 16.6 +6.2
KMBO	comp=Z,0.5nm,0.3s,baz=204,slow=20,SNR=2.0				
KMBO	Kilima Mbogo	74.33 66	eP	P	22 14 50.2
KMBO	comp=Z,16um,18.1s,baz=198,slow=34				
KMBO	Kilima Mbogo	74.33 66	eP	P	21 44 36.5 -0.4
KMBO	Kilima Mbogo	74.33 66	eP	P	21 44 37.2 +0.4
KMBO	Kilima Mbogo	74.33 66	eP	P	21 44 36.5 -0.1
ELOV	Elorza	74.36 313	eP	P	21 44 37.7 +0.5
ELOV	comp=Z,28nm,0.7s,baz=134,slow=4.7,SNR=32				
ROSC	El Rosal	74.37 308	P	LR	22 19 01.3
ROSC	comp=Z,5um,19.4s,baz=184,slow=37				
ROSC	El Rosal	74.37 308	eP	P	21 44 38.5 +1.4
ROSC	comp=Z,5um,19.4s,baz=184,slow=37				
GRGC	Isla de Gorgon	74.39 303	eP	P	21 44 38.5 +1.7
GRGC	comp=Z,5um,19.4s,baz=184,slow=37				
YOTC	Yotoco, Valle	74.47 305	eP	P	21 44 38.5 -0.9
YOTC	comp=Z,5um,19.4s,baz=184,slow=37				
CTAB	Cerro Tablazo,	74.47 308	eP	P	21 44 38.5 +0.7
CTAB	comp=Z,5um,19.4s,baz=184,slow=37				
TPF	Tapierr	74.53 312	eP	P	21 44 42.9 +5.1
TPF	comp=Z,5um,19.4s,baz=184,slow=37				
TAMC	Tame, Arauca	74.76 311	eP	P	21 44 39.2 +0.2
TAMC	comp=Z,5um,19.4s,baz=184,slow=37				
RUSC	La Rusia	74.80 309	eP	P	21 44 39.2 -0.6
RUSC	comp=Z,5um,19.4s,baz=184,slow=37				
TRN	Trinidad (W)	74.84 322	eP	P	21 44 41.0 +1.7
TRN	comp=Z,5um,19.4s,baz=184,slow=37				
SPUB	San Pablo de B	74.99 308	eP	P	21 44 38.5 -1.9
SPUB	comp=Z,5um,19.4s,baz=184,slow=37				
GUIR	Guiría	75.11 321	eP	P	21 44 43.0 +2.1
GUIR	comp=Z,5um,19.4s,baz=184,slow=37				
CAWY	Cayana, Caldas	75.19 307	eP	P	21 44 43.1 0.0
CAWY	comp=Z,5um,19.4s,baz=184,slow=37				
TOSP	Speyside	75.17 323	eP	P	21 44 43.0 +1.8
TOSP	comp=Z,5um,19.4s,baz=184,slow=37				
TOSP	Speyside	75.17 323	eP	P	21 44 43.1 +1.8
TOSP	comp=Z,5um,19.4s,baz=184,slow=37				
NORC	Norcasia	75.25 307	eP	P	21 44 39.9 -2.0
NORC	comp=Z,5um,19.4s,baz=184,slow=37				
PLMC	San Jos del P	75.26 306	eP	P	21 44 41.9 -0.1
PLMC	comp=Z,5um,19.4s,baz=184,slow=37				
BARC	Barichara	75.47 309	eP	P	21 44 40.5 -2.8
BARC	comp=Z,5um,19.4s,baz=184,slow=37				
BAUV	Bauv	75.59 315	eP	P	21 44 43.1 -0.7
BAUV	comp=Z,5um,19.4s,baz=184,slow=37				
GIRC	Giron, Santand	75.92 310	eP	P	21 44 44.5 -1.3
GIRC	comp=Z,5um,19.4s,baz=184,slow=37				
WHZ	Wether Hill R	75.94 189	eP	P	21 44 47.1 +1.7
WHZ	comp=Z,212nm,1.1s				
WHZ	Wether Hill R	75.94 189	eP	LR	21 44 45.2 -1.2
WHZ	comp=Z,212nm,1.1s				
PAMC	Pampiona, Colo	75.95 310	eP	P	21 44 43.2 -2.6
PAMC	comp=Z,212nm,1.1s				
PTBC	PUERTO BERRIO,	75.95 308	eP	P	21 44 43.9 -1.2
PTBC	comp=Z,212nm,1.1s				
HELK	Santa Helena	76.09 307	eP	P	21 44 44.5 -2.4
HELK	comp=Z,212nm,1.1s				
BRRG	Barranca, Sant	76.16 309	eP	P	21 44 44.5 -2.4
BRRG	comp=Z,212nm,1.1s				
CAUV	Capau	76.27 311	eP	P	21 44 47.0 +1.2
CAUV	comp=Z,212nm,1.1s				
GRGR	Grenville	76.31 322	PFAKE	LR	21 45 00.0 +12
GRGR	comp=Z,7um,21.0s				
GRGR	Grenville	76.31 322	eP	LR	21 44 49.3 +1.5
GRGR	comp=Z,7um,21.0s				
GRHS	Sauter	76.40 313	eP	P	

26d 21h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TBI, ESTN, MORW, PCJ, CMJ, RCON, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BART, MBWA, PFVI, PFCV, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like DZM, DZM, DZM, 656A, etc.

GOGA	Godfrey	103.66	312	P	Pdif	21 47 01.7	+1.8
ATH	Andrews Observa	103.74	37	P	PP	21 51 13.0	-4.5
ANX	Ano Chora	103.74	36	P	PP	21 51 13.9	-3.8
PRO	Prodromos	103.74	36	P	PP	21 51 14.2	-3.4
Y54A	Tignall	103.75	313	P	Pdif	21 47 02.6	+2.2
ATHU	Athens Univer	103.75	37	P	PP	21 51 14.2	-3.5
DSF	Desfina	103.74	34	P	PP	21 51 13.6	-4.3
VLL	Villia	103.78	37	P	PP	21 51 13.6	-4.3
Z52A	Williamson	103.84	312	P	Pdif	21 47 02.6	+1.9
PTL	Penteli	103.86	37	P	PP	21 51 14.5	-4.0
W57A	Gilead	103.87	316	P	PP	21 47 10.0	+9.2
W57A	Gilead	103.87	316	P	Pdif	21 47 03.0	+2.2
249A	Camden	103.88	309	P	Pdif	21 47 03.2	+2.2
155A	Gracelyn & Ava	103.89	314	P	Pdif	21 47 03.1	+2.3
X50A	Eclectic	103.98	310	P	Pdif	21 47 03.5	+2.1
EVR	Erytria	104.00	35	P	PKIKP	21 51 17.0	-1.6
PALK	Palleke	104.06	99	P	PFAKE	21 47 10.0	+7.7
PALK	Palleke	104.06	99	P	LR		
CISI	Cisompet, Garu	104.06	131	P	PFAKE	21 47 10.0	+7.6
CISI	Cisompet, Garu	104.06	131	P	LR		
KSL	Kastellorizon	104.09	42	P	PKIKP	21 51 16.6	-2.1
DKF	Desfira	104.13	34	P	PKIKP	21 51 17.6	-1.1
LKR	Lokris	104.13	36	P	PKIKP	21 51 17.6	-1.1
U59A	Littleton	104.14	318	P	PFAKE	21 47 10.0	+8.0
U59A	Littleton	104.14	318	P	LR		
ATAL	Atalanti	104.17	36	P	PKIKP	21 51 17.9	-0.9
ARE	Eretria	104.22	37	P	PKIKP	21 51 13.6	-5.3
AGG	Agios Georgios	104.26	36	P	PKIKP	21 51 18.8	-0.2
Y52A	Liburn	104.29	312	P	PFAKE	21 47 20.0	+1.7
Y52A	Liburn	104.29	312	P	LR		
Y52A	Liburn	104.29	312	P	Pdif	21 47 04.6	+1.9
SRN	Sarande	104.34	34	P	PKIKP	21 51 19.1	0.0
MRKA	Markates	104.37	37	P	PKIKP	21 51 18.5	-0.7
JAN	Janina	104.39	34	P	PKIKP	21 51 20.3	+1.1
CSS	Mathiatis	104.42	46	P	PFAKE	21 47 10.0	+6.7
CSS	Mathiatis	104.42	46	P	LR		
T60A	Surry	104.48	319	P	PFAKE	21 47 20.0	+1.7
T60A	Surry	104.48	319	P	LR		
Z50A	Ashland	104.50	310	P	Pdif	21 47 05.1	+1.4
T59A	Double "B" Far	104.61	318	P	PFAKE	21 47 20.0	+1.6
T59A	Double "B" Far	104.61	318	P	LR		
W54A	Cherokee Point	104.64	314	P	Pdif	21 47 05.8	+1.6
W56A	Mocksville	104.64	316	P	PFAKE	21 47 20.0	+1.6
W56A	Mocksville	104.64	316	P	LR		
W56A	Mocksville	104.64	316	P	Pdif	21 47 06.6	+2.4
THL	Klokotos Trika	104.66	35	P	PKIKP	21 51 22.2	+2.5
Z49A	Columbiana	104.70	310	P	Pdif	21 47 06.6	+2.0
SKIA	Skiathos	104.75	37	P	PKIKP	21 51 21.6	+1.7
LRAL	Lakeview Retre	104.75	309	P	PFAKE	21 47 20.0	+1.5
LRAL	Lakeview Retre	104.75	309	P	LR		
LRAL	Lakeview Retre	104.75	309	P	Pdif	21 47 06.2	+1.5
UG7A	Blanch	104.77	317	P	Pdif	21 47 06.6	+1.8
UGM	Wanagama	104.81	133	P	PFAKE	21 47 20.0	+1.4
UGM	Wanagama	104.81	133	P	LR		
KPRO	Kipourto	104.82	35	P	PKIKP	21 51 23.4	+3.3
XOR	Xorichti	104.83	36	P	PKIKP	21 51 21.6	+1.1
KVXT	Kingsville	104.85	298	P	PFAKE	21 51 30.0	+1.0
KVXT	Kingsville	104.85	298	P	LR		
AQU	L'Aquila	104.85	28	P	PFAKE	21 47 20.0	+1.5
AQU	L'Aquila	104.85	28	P	LR		
X52A	Dahlonaga	104.88	313	P	PKIKP	21 51 21.8	+1.6
MNAI	Manna	104.89	125	P	PFAKE	21 47 20.0	+1.4
MNAI	Manna	104.89	125	P	LR		
T58A	Grand View Acr	104.94	318	P	PKIKP	21 51 22.3	+2.0
T58A	Grand View Acr	104.94	318	P	LR		
V55A	Taylorville	104.95	315	P	PKIKP	21 51 22.4	+2.1
PENT	Pentalofos	104.97	34	P	PKIKP	21 51 24.9	+4.5
Y50A	Piedmont	104.98	311	P	PKIKP	21 51 22.5	+2.0
W53A	Cullowhee	105.09	313	P	PKIKP	21 51 22.3	+1.6
NEST	Nestorio	105.15	34	P	PKIKP	21 51 27.1	+6.4
Y54A	Nebo	105.16	315	P	PKIKP	21 51 22.8	+2.0
X51A	Calhoun	105.22	312	P	PFAKE	21 51 30.0	+9.1
X51A	Calhoun	105.22	312	P	LR		
Y49A	Blount Mountai	105.23	310	P	PFAKE	21 51 30.0	+9.1
Y49A	Blount Mountai	105.23	310	P	LR		
T57A	Hurt	105.25	317	P	PFAKE	21 51 30.0	+9.2
T57A	Hurt	105.25	317	P	LR		
T57A	Hurt	105.25	317	P	PKIKP	21 51 22.6	+1.8
KZN	Kozani	105.27	35	P	PKIKP	21 51 24.0	+3.1
LIT	Litokhoron	105.30	35	P	PKIKP	21 51 26.1	+5.2
W52A	Murphy	105.32	313	P	PFAKE	21 51 30.0	+8.9
W52A	Murphy	105.32	313	P	LR		
Q54A	Poland Farm, P	105.36	318	P	PFAKE	21 51 30.0	+9.0
S58A	Saluda	105.39	314	P	PFAKE	21 51 30.0	+8.8
V53A	Saluda	105.39	314	P	LR		
V53A	Saluda	105.39	314	P	PKIKP	21 51 21.5	+0.2
X50B	Fort Payne	105.45	311	P	PKIKP	21 51 22.7	+1.3
U55A	TA2, Sparta	105.46	316	P	PKIKP	21 51 22.0	+0.6
PAIG	Paliourti	105.51	36	P	PP	21 51 27.4	-3.3
VBMS	Vicksburg	105.52	306	P	PFAKE	21 51 30.0	+8.5
VBMS	Vicksburg	105.52	306	P	LR		
R58B	Mineral	105.62	319	P	PFAKE	21 51 30.0	+8.5
R58B	Mineral	105.62	319	P	LR		
R58B	Mineral	105.62	319	P	PKIKP	21 51 22.4	+0.9
JAGI	Jajag, Banyuwa	105.65	137	P	PFAKE	21 51 30.0	+7.6
JAGI	Jajag, Banyuwa	105.65	137	P	LR		
TIR	Tirane	105.66	33	P	PFAKE	21 51 30.0	+8.5
TIR	Tirane	105.66	33	P	LR		
W51A	Cleveland	105.70	312	P	PKIKP	21 51 22.3	+0.6
TKL	Tuckaleechee C	105.75	313	PP	PP	21 51 26.2	-6.3
TKL	Tuckaleechee C	105.75	313	PP	SKS	21 57 44.2	-3.8
U54A	Nelsons Funny	105.77	315	P	PFAKE	21 51 30.0	+8.1
U54A	Nelsons Funny	105.77	315	P	LR		
S57A	Dark Hollow, R	105.82	318	P	PFAKE	21 51 30.0	+8.1
S57A	Dark Hollow, R	105.82	318	P	LR		
VLC	Villacollemand	105.84	25	P	PFAKE	21 51 30.0	+8.3
VLC	Villacollemand	105.84	25	P	LR		
PLG	Polygyros	105.84	36	P	PP	21 51 30.1	-3.1

V52A	Sevierville	105.85	313	P	PFAKE	21 51 30.0	+8.0
V52A	Sevierville	105.85	313	P	LR		
V52A	Sevierville	105.85	313	P	PKIKP	21 51 22.8	+0.8
BLA	Blacksburg	105.86	316	P	PFAKE	21 51 30.0	+8.0
BLA	Blacksburg	105.86	316	P	LR		
KULA	Kula-Mania	105.88	41	P	PP	21 51 30.8	-2.7
BNI	Baronecchia	105.90	22	P	PFAKE	21 51 30.0	+8.0
BNI	Baronecchia	105.90	22	P	LR		
ISP	Isparta	105.92	42	P	PFAKE	21 51 30.0	+7.8
ISP	Isparta	105.92	42	P	LR		
THE	Thessaloniki	105.93	36	P	PKIKP	21 51 30.4	+8.5
HKT	Hockley	105.93	301	P	PFAKE	21 51 30.0	+7.8
HKT	Hockley	105.93	301	P	LR		
HORT	Horiaties	105.94	36	P	PP	21 51 31.1	-2.9
W50A	Signal Mountai	105.96	312	P	PFAKE	21 51 30.0	+7.7
W50A	Signal Mountai	105.96	312	P	LR		
W50A	Signal Mountai	105.96	312	P	PKIKP	21 51 23.6	+1.3
R58A	Rapidan	105.96	319	P	PKIKP	21 51 23.4	+1.3
LJA	Limnos Island	105.96	37	P	PP	21 51 29.2	-4.8
OUR	Ouranopolis	105.97	36	P	PP	21 51 31.1	-3.0
UOSS	Mirazis	105.98	69	P	PFAKE	21 51 30.0	+7.4
UOSS	Mirazis	105.98	69	P	LR		
X48A	Hartselle	106.00	310	P	PFAKE	21 51 30.0	+7.7
X48A	Hartselle	106.00	310	P	LR		
V51A	Loudon	106.11	313	P	PFAKE	21 51 30.0	+7.5
V51A	Loudon	106.11	313	P	LR		
PHP	Peshkopia	106.14	33	P	PP	21 51 31.1	-4.2
T54A	Tazewell	106.15	316	P	PKIKP	21 51 24.6	+2.0
W49A	Belvidere	106.27	311	P	PKIKP	21 51 24.2	+1.4
KNT	Kentikon	106.39	35	P	PP	21 51 33.2	-4.0
VAY	Valandovo	106.44	35	P	PP	21 51 44.2	+6.7
TZTN	Tazewell	106.44	314	P	PFAKE	21 51 40.0	+1.7
TZTN	Tazewell	106.44	314	P	LR		
THAS	Thasos Island	106.46	37	P	PP	21 51 31.7	-5.9
TTG	Podgorica	106.48	32	P	PFAKE	21 51 30.0	+7.1
TTG	Podgorica	106.48	32	P	LR		
MTN	Manton Dam	106.54	155	P	PFAKE	21 51 40.0	+1.6
MTN	Manton Dam	106.54	155	P	LR		
PSUB	Penn St. - Bra	106.55	321	P	PFAKE	21 51 40.0	+1.7
PSUB	Penn St. - Bra	106.55	321	P	LR		
SRS	Serriatis	106.56	36	P	PP	21 51 33.8	-4.7
SMTH	Smiothaki Isl	106.59	37	P	PP	21 51 34.4	-4.3
SKO	Skopje	106.69	34	P	PP	21 51 37.8	-1.6
R55A	Marlinton	106.70	317	P	PFAKE	21 51 40.0	+1.6
R55A	Marlinton	106.70	317	P	LR	</	

ARCES	ARCCESS Array B 132.21	21	PKHKP	PKPpre	21 51 55.1				
ARCES	comp=Z,1.2nm,0.7s,baz=304,slow=0.9,SNR=6.2		PKP	PKPdf	21 52 09.0 -2.1				
ARCES	comp=Z,7.9nm,0.6s,baz=193,slow=1.9,SNR=2.9		PKP	PKP	21 54 32.5 -2.2				
ARCES	comp=Z,1.9nm,1.0s,baz=202,slow=6.1,SNR=6.9		SKP	PKP	21 55 50.6				
AREO	ARCCESS Array S 132.21	21	FFAKE	LR	21 52 20.0 +7.8				
AREO	comp=Z,2.00nm,21.0s		LR	LR					
AREO	ARCCESS Array S 132.21	21	ePKPdf	PKIKP	21 52 12.5 +0.2				
AREO	comp=Z,1.1um,19.6s		ePP	PKP	21 54 34.4 -0.3				
AREO	comp=Z,1.1um,19.6s		eSS	SS	22 12 11.0 -0.5				
AREO	comp=Z,1.1um,19.6s		IVMs_BB	IVMs_BB	22 43 10.1				
APA	Apacity	132.28	26	iPKIKP	PKPdf	21 52 10.6 -0.7			
APA	comp=Z,3.0nm,0.8s		iSS	SS	22 12 07.0 -5.3				
APA	comp=Z,3.0nm,0.8s		pmax	pmax					
D03D	Eldon	132.68	294	P	PKIKP	21 52 14.7 +0.8			
B05A	Bryant	132.71	296	P	PKIKP	21 52 14.6 +0.8			
HAMF	Hammerfest	132.81	20	ePKPdf	pPKPdf	21 52 17.1 +0.6			
HAMF	comp=Z,2.4um,21.0s		ePP	PKP	21 54 37.5 -1.0				
HAMF	comp=Z,2.4um,21.0s		eSKPdf	SKIKP	21 55 47.7 -0.5				
HAMF	comp=Z,2.4um,21.0s		eSS	SS	22 12 19.6 +1.0				
HAMF	comp=Z,2.4um,21.0s		IVMs_BB	IVMs_BB	22 43 38.4				
TDK	Taldyqorghan	132.82	71	ePKIKP	e	21 52 13.4 +0.3			
TDK	comp=Z,2.2um,19.0s		eMLR	MLR	21 54 41.8				
TDK	comp=Z,2.2um,19.0s		ePKP	PKPdf	21 52 13.5 +0.0				
TDK	comp=Z,2.2um,19.0s		ePP	PKP	21 54 41.9 +2.8				
TDK	comp=Z,2.2um,19.0s		eLR	LR	22 51 41.5				
LVZ	Lovozero	132.84	26	ePKPdf	LR	21 52 13.1 -0.5			
LVZ	comp=Z,4.2um,21.0s		ePKIKP	PKIKP	21 52 13.1 -0.5				
LVZ	comp=Z,4.2um,21.0s		MLR	MLR					
SVE	Sverdlouvs	132.96	48	iPKIKP	e	21 52 15.5 +1.4			
SVE	comp=Z,61nm,1.6s		pmax	pmax	21 54 35.9				
SVE	comp=Z,61nm,1.6s		MLR	MLR					
NLWA	Neilton Lookou	132.96	294	FFAKE	LR	21 52 30.0 +1.6			
NLWA	comp=Z,4.2um,22.0s		LR	LR					
A04D	Lummi Island	133.32	296	P	PKIKP	21 52 15.8 +0.7			
HKPS	Hong Kong Po S	133.45	122	FFAKE	LR	21 52 30.0 +1.4			
HKPS	comp=Z,4.2um,20.0s		LR	LR					
GYA	Guiyang	133.45	111	PKP	PKP	21 52 14.8 -0.2			
GYA	comp=Z,4.2um,20.0s		PKS	PKS	21 54 45.0 +1.9				
GYA	comp=Z,4.2um,20.0s		SKKS	SKKS	22 01 36.8				
GYA	comp=Z,4.2um,20.0s		SS	SS	22 12 28.3 +1.0				
GYA	comp=Z,510nm,8.5s		LR	LR					
GYA	comp=Z,3.2um,25.1s		LR	LR					
GYA	comp=Z,2.2um,24.9s		LR	LR					
GYA	comp=Z,4.2um,25.6s		LR	LR					
BRZS	Berezni	133.50	62	ePP	PP	21 54 44.2 +0.9			
BRZS	comp=Z,4.2um,25.6s		eLR	LR	22 52 40.1				
GZH	Guangzhou	133.79	121	PKP	PKIKP	21 52 22.3 +5.4			
GZH	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		PKS	PKSdf	21 55 58.0 +6.0				
GZH	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		SKS	SKSdf	21 59 30.3 +4.5				
GZH	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		SS	SS	22 12 50.8 +2.0				
GZH	comp=N,4.2um,16.7s		LR	LR					
BRVK	Borovoye	134.48	57	ePKPdf	LR	21 52 17.6 +0.3			
BRVK	comp=Z,4.2um,20.0s		ePKIKP	PKIKP	21 52 17.6 +0.3				
BRVK	comp=Z,4.2um,20.0s		MLR	MLR					
BVAR	Borovoye Array	134.51	58	PKP	PKPdf	21 52 14.3 -1.7			
DAG	Danmarks Havn	134.59	2	iPKIKP	PKIKP	21 52 17.2 +0.3			
DAG	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		iPKIKP	PKIKP	21 52 17.2 +0.3				
GUMJ	Guam	134.89	165	FFAKE	LR	21 52 30.0 +1.1			
GUMJ	comp=Z,2.2um,18.0s		LR	LR					
BJ01	Bjornoya	135.35	15	ePKPdf	PKIKP	21 52 18.8 +0.3			
BJ01	comp=Z,918nm,28.1s		IVMs_BB	IVMs_BB	22 39 13.0				
CD2	Chengdu	135.61	105	PKP	PKIKP	21 52 21.5 +1.1			
CD2	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		SKS	SKSdf	21 59 30.0 +1.2				
CD2	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		SKKS	SKKSdf	22 01 53.5 +2.9				
CD2	comp=Z,2.2nm,0.4s,baz=208,slow=2.5,SNR=11		SS	SS	22 12 56.3 +3.1				
CD2	comp=Z,970nm,8.5s		LR	LR					
CD2	comp=Z,2.2um,15.7s		LR	LR					
CD2	comp=Z,3.2um,17.6s		LR	LR					
MAKZ	Makanchi	135.86	71	ePKPdf	PKPdf	21 52 18.5 -0.3			
MAKZ	comp=Z,4.2um,20.0s		PKP	PKP	21 52 17.6 -1.4				
MK31	Makanchi Array	136.01	71	ePKPdf	PKPdf	21 52 17.6 -1.4			
MK31	comp=Z,2.8nm,0.7s,baz=236,slow=4.6,SNR=7.6		ePKIKP	PKPpre	21 52 05.8				
MKAR	Makanchi Array	136.01	71	PKHKP	PKPpre	21 52 14.8 -4.2			
KURBB	Kurchatov Arra	136.71	65	PKP	PKPdf	21 52 16.0 -4.1			
KURBB	comp=Z,2.8nm,0.8s,baz=242,slow=5.2,SNR=8.8		PKP	PKP	21 55 07.0 +3.3				
KURBB	comp=Z,3.2nm,0.8s,baz=234,slow=3.4,SNR=7.2		SS	SS	21 55 07.1				
KURBB	comp=Z,1.9nm,1.4s,baz=232,slow=6.2,SNR=9.6		SKP	SKP	21 55 56.1				
WMQ	Urumqi	136.75	78	FFAKE	LR	21 52 30.0 +7.7			
WMQ	comp=Z,1.5nm,0.8s,baz=261,slow=2.6,SNR=3.4		LR	LR					
WMQ	comp=Z,3.2um,20.0s		ePKP	PKIKP	21 52 23.8 +1.5				
WMQ	comp=Z,3.2um,20.0s		PKS	PKS	21 55 08.0 +4.0				
WMQ	comp=Z,3.2um,20.0s		SKKS	SKKS	22 01 59.5				
WMQ	comp=Z,3.2um,20.0s		SS	SS	22 13 12.3 +5.3				
WMQ	comp=Z,2.2um,29.0s		LR	LR					
WMQ	comp=Z,2.2um,28.1s		LR	LR					
WMQ	comp=Z,2.4um,29.3s		LR	LR					
KURK	Kurchatov	136.81	65	ePKPdf	PKPdf	21 52 20.3 -0.1			
KURK	comp=Z,3.2um,18.0s		ePKIKP	PKP	21 52 19.1 -1.2				
KURK	comp=Z,3.2um,18.0s		pmax	pmax					
HSPB	Hornsund (broa	137.08	12	ePKPdf	PKIKP	21 52 21.3 -0.6			
HSPB	comp=Z,1.3nm,1.7s		ePP	PKP	21 55 05.8 +0.4				
HSPB	comp=Z,1.3nm,1.7s		eSS	SS	22 13 11.2 +1.5				
HSPB	comp=Z,972nm,23.7s		IVMs_BB	IVMs_BB	22 40 04.0				
TPUB	Ta-pu	137.16	129	FFAKE	LR	21 52 30.0 +6.2			
TPUB	comp=Z,2.2um,19.0s		LR	LR					
KNMB	Chin-men Tao	137.24	126	FFAKE	LR	21 52 30.0 +6.2			
KNMB	comp=Z,3.2um,18.0s		LR	LR					
TULEG	Thule	137.25	346	ePKPdf	PKPdf	21 52 20.8 +0.4			
TULEG	comp=Z,2.6um,22.0s		LR	LR					
SSLB	Suanguiling	137.73	129	FFAKE	LR	21 52 40.0 +1.5			
SSLB	comp=Z,2.2um,22.0s		LR	LR					
OZH	Quanzhou	137.74	125	iPKP	PKIKP	21 52 28.0 +3.2			
OZH	comp=Z,2.2um,22.0s		PKP	PKP	21 55 14.3 +4.5				
OZH	comp=Z,2.2um,22.0s		LR	LR					

comp=Z,830nm,19.3s									
OZH	comp=Z,1.1um,19.0s		LR	LR					
OZH	comp=Z,3.2um,26.3s		LR	LR					
ZSN	Zaisan	137.76	72	ePKIKP	PKPdf	21 52 19.9 -2.3			
ZSN	comp=Z,3.2um,26.3s		ePKP	PKP	21 55 15.1				
ZSN	comp=Z,3.2um,26.3s		ePKP	PKP	21 52 20.0 -2.3				
ZSN	comp=Z,3.2um,26.3s		ePKP	PKP	21 55 15.1 +4.9				
ZSN	comp=Z,3.2um,26.3s		ePKP	PKP	21 52 23.3 -0.2				
ZSN	comp=Z,3.2um,26.3s		ePKP	PKP	21 55 10.3 0.0				
ZSN	comp=Z,3.2um,26.3s		FFAKE	LR	21 52 40.0 +1.5				
HOPEN	Hopen	137.87	15	ePKPdf	PKIKP	21 52 28.2 +1.8			
ENH	Enshi	137.99	111	FFAKE	LR	21 55 12.4 +0.1			
ENH	comp=Z,5.2um,20.0s		LR	LR	21 52 19.1 -3.7				
SPAA	Spitsbergen Ar	138.19	12	ePKPdf	pPKPdf	21 55 28.2 +1.8			
SPAA	comp=Z,4.3nm,0.7s,baz=117,slow=3.3,SNR=4.9		ePKP	PKP	21 55 12.4 +0.1				
BBB	Bella Bella	138.21	296	PKP	PKP	21 52 19.1 -3.7			
BBB	comp=Z,9.6nm,1.0s,baz=134,slow=7.1,SNR=3.3		SKPbc	SKPbc	21 55 54.7 -1.2				
BBB	comp=Z,1.2nm,1.1s,baz=193,slow=1.3,SNR=3.3		FFAKE	LR	21 52 40.0 +1.5				
BBB	comp=Z,4.2um,21.0s		LR	LR					
NACB	Ninganchiao	138.33	130	FFAKE	LR	21 52 40.0 +1.4			
NACB	comp=Z,3.2um,22.0s		LR	LR					
KBS	Kingsbay	138.40	10	FFAKE	LR	21 52 30.0 +5.4			
KBS	comp=Z,4.2um,22.0s		LR	LR					
KBS	comp=Z,4.2um,22.0s		iPKIKP	PKIKP	21 52 26.3 +1.7				
KBS	comp=Z,4.2um,22.0s		ePKP	PKP	21 52 24.5 -0.1				
KBS	comp=Z,4.2um,22.0s		IVMs_BB	IVMs_BB	21 55 13.8 +0.2				
KBS	comp=Z,4.2um,22.0s		LR	LR	22 42 04.5				
YHNB	Yeheng	138.68	129	FFAKE	LR	21 52 40.0 +1.3			
YHNB	comp=Z,2.2um,19.0s		LR	LR					
YKA	Yellowknife Ar	138.71	315	PKHKP	PKPpre	21 52 12.8			
YKA	comp=Z,4.3nm,0.7s,baz=117,slow=3.3,SNR=4.9		PKP	PKP	21 52 20.3 -3.1				
YKA	comp=Z,9.5nm,0.7s,baz=115,slow=2.3,SNR=13		PKP	PKP	21 55 17.0 +1.2				
YKA	comp=Z,2.5nm,1.1s,baz=122,slow=6.2,SNR=8.1		SKIKP	SKIKP	21 56 01.3 +0.7				
YKA	comp=Z,1.4nm,0.8s,baz=128,slow=2.4,SNR=8.4		ePKP	PKP	21 52 24.9 -0.8				
YKW3	Yellowknife Ar	138.75	315	ePKPdf	PKIKP	21 52 40.0 +1.3			
TATO	Taipei	139.00	129	FFAKE	LR	21 52 40.0 +1.3			
TATO	comp=Z,3.2um,19.0s		LR	LR					
LZH	Lanzhou	139.69	100	ePKP	PKPdf	21 52 21.0 -5.4			
LZH	comp=Z,2.2um,19.0s		eSKP	SKP	21 52 35.5				
LZH	comp=Z,2.2um,19.0s		PKS	PKS	21 55 25.8 +4.1				
LZH	comp=Z,2.2um,19.0s		SS	SS	22 02 13.3				
LZH	comp=Z,2.2um,19.0s		AMB	AMB	22 13 37.8 -4.1				
LZH	comp=Z,980nm,4.6s		LR	LR					
LZH	comp=Z,1.1um,17.9s		LR	LR					
LZH	comp=Z,2.2um,20.6s		LR	LR					
LZH	comp=Z,3.2um,21.1s		LR	LR					

Table with columns: YUK, Yuzh-Kuril'sk, 0.62 10 AMB, AMB, 22 39 11.0, etc. Includes station names like YUK, YUZ, LAGR, LAGR, JRA, JNK, JAK, etc.

IDC 26 22:54:57.0, 7.0, 22.995S; 169.51E, h0km, mb4.3/13, mb1 4.5/15, mb1mx4.4/24, mbtmp4.3/15, ML4.0/2, Error ellipse: s-maj=23.0km s-min=15.9km az=180.0

ISCJB 26 22:54:59.4, 0.2, 22.995S; 0.04, 169.50E; 0.04, h23km, mb4.9/51, Error ellipse: s-maj=6.1km s-min=4.9km az=17.3

NEIC 26 22:55:03.3, 1.3, 22.975S; 169.45E, h4.1km, mb4.8/49, Error ellipse: s-maj=12.0km s-min=10.3km az=00.0

ISC 26 22:55:01.0, 0.4, 22.995S; 0.06, 169.52E; 0.06, h23km, n135, s085/132, mb4.9/1, 2D, Southeast of Loyalty Islands

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PINNC, MARIN, ONTCO, DZM, etc.

Table with columns: XAN, SII, SNAEA, SNAEA, SNAEA, etc. Includes station names like Sitkinak Island, SNAEA, VNA3, VNA1, etc.

ISCJB 26 23:11:46.9, 0.6, 1.99N; 0.09, 89.58W; 0.07, h10km, mb4.5/4, Error ellipse: s-maj=12.8km s-min=8.9km az=19.3

IDC 26 23:11:47.7, 2.4, 1.99N; 89.62W, h0km, mb3.5/7, mb1 3.9/8, mb1mx3.8/40, mbtmp3.6/8, ML3.4/1, MS3.9/2, MS1 3.9/2, ms1mx3.4/25, Error ellipse: s-maj=96.2km s-min=41.1km az=6.0

NEIC 26 23:11:48.4, 1.4, 1.95N; 89.64W, h10km, 1km, mb4.3/54, Error ellipse: s-maj=17.1km s-min=7.1km az=115.0

ISC 26 23:11:47.9, 0.7, 1.86N; 0.08, 89.7W; 0.1, h10km, n75, s1508/74, mb4.5/4, Galapagos Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PAYS, JATS, ACOP, APG, etc.

Table with columns: 250A, Grady, 30.13 6 eP, P, 23 07 57.5-0.5, etc. Includes station names like LTX, TXAR, SKI, WHTX, etc.

ISCJB 26 23:13:02.0, 2.0, 7.29; 68S; 0.02; 72.34W; 0.06, h44km, 7km, mb4.1/9, Error ellipse: s-maj=9.4km s-min=3.9km az=176.8

IDC 26 23:13:02.0, 2.0, 8.29; 71S; 72.04W, h0km, mb4.1/8, mb1 4.2/14, mb1mx4.0/38, mbtmp4.0/14, ML4.0/6, Error ellipse: s-maj=19.6km s-min=13.9km az=61.0

GUC 26 23:13:03.0, 0.6, 29.77S; 72.09W, h41km, 3km, ML4.1

NEIC 26 23:13:03.0, 0.0, 29.77S; 72.09W, h41km, mb4.3/37, ML4.1 (GUC), After GUC

ISC 26 23:13:03.7, 0.4, 29.73S; 0.04, 72.34W; 0.08, h39km, 4km, n100, s1994/111, mb4.1/9, 6C-2D, Off coast of central Chile

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

U57A	Blanch	24.14	23	P	P	23 43 18.5	+0.8
R51A	Hillsboro	24.59	13	P	P	23 43 22.8	+1.0
STVI	Saint Thomas	24.95	77	eP	P	23 43 24.4	-0.8
Q49A	Aurora	25.00	11	P	P	23 43 26.4	+0.9
R54A	Victor	25.16	18	P	P	23 43 27.1	+0.1
S56A	Natural Bridge	25.17	21	P	P	23 43 27.6	+0.6
Q51A	Peebles	25.34	13	eP	P	23 43 28.8	+0.2
Q51A	Peebles	25.34	13	P	P	23 43 29.6	+1.0
P48A	Milroy	25.36	9	P	P	23 43 29.7	+0.9
Q52A	Bidwell	25.54	15	P	P	23 43 31.1	+0.8
Q53A	Leroy	25.64	17	P	P	23 43 33.0	+1.7
S58A	Poland Farm, P	25.67	24	P	P	23 43 32.5	+1.0
P51A	Williamsport	25.84	14	P	P	23 43 33.7	+0.7
Q54A	Coxs Mills	25.95	18	P	P	23 43 34.6	+0.5
Q55A	Buckhannon	26.19	19	P	P	23 43 36.0	-0.3
O50A	Cable	26.36	12	P	P	23 43 38.1	+0.4
ACSO	Alum Creek Sta	26.57	13	eP	P	23 43 40.2	+0.6
ACSO	Alum Creek Sta	26.57	13	P	P	23 43 40.2	+0.6
P54A	Burton	26.63	18	P	P	23 43 40.6	+0.5
O52A	Adamsville	26.73	15	P	P	23 43 41.9	+0.8
O54A	Avella	27.19	17	P	P	23 43 45.6	+0.5
P57A	Homestead Farm	27.32	22	P	P	23 43 47.3	+1.0
N52A	McGinn's Farm,	27.43	15	P	P	23 43 47.6	+0.3
N53A	Lisbon	27.64	16	P	P	23 43 49.3	+0.2
N54A	Moraine State	28.02	17	eP	P	23 43 53.2	+0.7
N54A	Moraine State	28.02	17	P	P	23 43 52.7	+0.2
SSPA	Standing Stone	28.39	21	P	P	23 43 55.7	-0.1
N56A	West Decatur	28.51	20	P	P	23 43 57.0	+0.1
I42A	Dräger Farm	29.40	3	eP	P	23 44 04.5	-0.2
N59A	State Game Lan	29.41	23	P	P	23 44 04.9	+0.1
J52A	Paris	30.02	15	P	P	23 44 09.7	-0.4
M59A	Waymart	30.08	23	P	P	23 44 10.7	0.0
L58A	Harry Jones Me	30.36	22	P	P	23 44 13.6	+0.4
BINY	Binghanton	30.44	22	P	P	23 44 14.2	+0.3
MEDO	Medina	30.50	18	eP	P	23 44 14.8	+0.5
TMUT	Trail Mountain	30.68	328	eP	P	23 47 09.6	-0.1
GLMI	Grayling	30.73	8	P	P	23 44 15.8	-0.6
G39A	Holcombe	30.77	359	P	P	23 44 16.2	-0.4
CLWO	Collingwood	31.20	14	P	P	23 44 20.5	0.0
WLVO	Wesleyville	31.21	17	P	P	23 44 20.2	-0.4
I55A	Frankford	31.69	18	P	P	23 44 24.8	+0.1
DELO	Deloro Mine	31.98	18	P	P	23 44 27.4	+0.1
G53A	Hallburton	32.25	16	P	P	23 44 29.4	-0.2
BANO	Bancroft	32.35	17	P	P	23 44 30.5	-0.1
BUKO	Buck Lake	32.35	15	P	P	23 44 30.4	-0.1
H56A	Elgin	32.47	19	P	P	23 44 31.6	+0.1
PLVO	Plevna	32.62	18	P	P	23 44 32.8	0.0
D46A	Sault St. Mari	32.84	8	P	P	23 44 34.3	-0.5
G55A	Calabogie	32.92	18	P	P	23 44 34.8	-0.6
E50A	Wahnapitae	32.97	13	P	P	23 44 35.3	-0.6
LONY	Lake Ozonia	33.05	21	P	P	23 44 36.7	0.0
D47A	Chapleau	33.14	9	P	P	23 44 37.0	-0.4
PEMO	Pembroke	33.15	17	P	P	23 44 37.6	+0.2
ALGO	Algonquin Park	33.17	16	P	P	23 44 37.9	+0.2
E52A	Mattawa	33.32	15	P	P	23 44 38.9	-0.1
E51A	G1948 Merrick	33.35	14	P	P	23 44 39.1	-0.1
REDW	Red Top Meadow	33.64	333	eP	P	23 44 42.5	+0.5
E53A	Dumoine, Ponti	33.67	16	P	P	23 44 41.7	-0.3
E54A	Lac Duplat, Po	33.85	17	P	P	23 44 43.8	+0.3
D52A	ZEK Kipava Sen	34.03	15	P	P	23 44 45.6	+0.5
NVAR	Mina Array Bea	34.18	320	P	P	23 44 48.5	+1.7
D53A	Lac Vacive, Po	34.31	16	eP	P	23 44 47.7	+0.3
D53A	Lac Vacive, Po	34.31	16	P	P	23 44 47.9	+0.5
TRQ	Mont Tremblant	34.47	20	eP	P	23 44 49.8	+0.9
MOQ	Mont Orford	34.50	23	eP	P	23 44 50.0	+0.8
D54A	Lac Fusel, La	34.66	17	P	P	23 44 50.8	+0.4
MCMT	McKenzie Canyo	35.68	333	eP	P	23 45 01.2	+1.7
RUBR	Rubicon Trail	35.72	319	eP	P	23 45 00.3	+0.4
ULM	Lac du Bonnet	35.98	354	P	P	23 45 00.8	-0.9
ULM	Lac du Bonnet	35.98	354	P	P	23 45 01.3	-0.4
LATQ	La Tuque	36.08	21	P	P	23 45 02.7	+0.2
LSQC	Label-sur-Quev	36.32	14	P	P	23 45 04.8	+0.2
MATQ	Matagami	36.81	14	P	P	23 45 08.6	-0.1
O03E	Paynes Creek	37.47	319	P	P	23 45 05.3	-9.2
CHGO	Chibougamau	37.80	17	P	P	23 45 16.9	-0.2
SIV	San Ignacio	42.04	135	P	P	23 45 51.8	-0.6
SCHV	Schefferville	44.38	20	P	P	23 46 10.0	-0.6
SCHO	Schefferville	44.38	20	eP	P	23 46 10.8	+0.1
YKA	Yellowknife Ar	50.92	346	P	P	23 46 59.7	-1.0
WHY	Whitehorse	56.13	336	eP	P	23 47 39.5	+0.7
PUH	Puhaluk	61.68	284	eP	P	23 48 17.3	-0.4
BYL	Byron's Ledger	61.71	284	eP	P	23 48 18.8	+0.9
KKO	Keanakakoi	61.72	284	eP	P	23 48 19.0	+1.0
HON	Honolulu	64.06	287	eP	P	23 48 34.6	+1.4
ARCES	ARCES Array B	85.82	18	P	P	23 50 33.7	-0.8

MEX 26 23:41:01.5, 0.4, 13.36N, 92.53W, h15km, MD3.9
 GCG 26 23:41:03.9, 0.3, 14.42N, 92.36W, h147km, 66km, MD3.8
 ISC 26 23:41:03.0, 2.8, 13.8N, 0.1:92.48W, 0.09, h10km, n7,
 @155/12, Off coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
THIG		1.15	10	Op	ISC	h m s
THIG					ISC	h m s
STG3	Santiago 3,	1.28	43	eP	Pn	23 41 28.0 +0.9
FUG	Fuego 3,	1.73	67	eP	Pn	23 41 43.4 +2.5
FUG					Pg	23 41 27.8 +0.1
PCG	Pacaya	1.92	71	eP	Pn	23 41 33.9 -1.0
PCG					Sg	23 41 57.2 -1.4
PCG					Sb	23 41 36.6 +0.6
PCIG		2.05	340	P	Pn	23 42 02.3 -0.1
CCIG	Comitan	2.51	8	iP	Pn	23 42 06.1 +1.1
CCIG					Sb	23 41 45.0 +0.9
CCIG					Pn	23 42 19.6 +0.1
TGIG		3.05	348	eP	Pn	23 41 52.9 +1.5

IDC 26 23:45:55.7, 6.2, 24.94N, 109.41W, h0km, mb1 3.6/5,
 mb1mx3.4/39, mb2mp3.2/5, ML3.4/5, Error ellipse:
 s-maj=71.7km s-min=25.4km az=171.0, Gulf of
 California

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
TXAR	Lajas Array	6.74	48	Pn	ISC	h m s
TXAR		0.2nm, 0.3s, baz=228, slow=14, SNR=5.0			Pn	23 47 37.9 +2.0
TXAR		0.8nm, 0.3s, baz=224, slow=17, SNR=5.1			Sn	23 48 53.8 +0.3
TXAR		1.4nm, 0.3s, baz=224, slow=35, SNR=7.6			Lg	23 49 27.2
ANMO	Albuquerque	10.30	14	Pn	Pn	23 48 24.9 0.0
ANMO		0.1nm, 0.3s, baz=200, slow=16, SNR=2.4				
NVAR	Mina Array Bea	15.43	33	Pn	P	23 49 39.3 -0.3
NVAR		0.1nm, 0.3s, baz=149, slow=15, SNR=4.6				
ELK	Elko	16.50	344	Pn	Pn	23 49 49.3 +0.4
PDAR	Pinedale Array	17.79	360	Pn	Pn	23 50 04.3 -0.6
PDAR		0.1nm, 0.3s, baz=169, slow=10, SNR=4.6				

WEL 26 23:47:42.3, 41.5, 329.9, 17.4E, 6.5, h24km, 1.44km, M3.2/7,
 ML3.6/6, MLV3.2/7, Error ellipse: s-maj=0.5km
 s-min=0.1km az=1.0, Cook Strait

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WPZH	Waipukurau	1.82	64	Pn	ISC	h m s
WPZH		1.89	30	Pn	ISC	h m s
KATZ	Karamea	2.19	29	Pn	Pn	23 48 14.0 +0.6
KAHZ	Kahurangi	2.25	61	Pn	Pn	23 48 15.7 +1.7
RITZ	Rihia Road	2.25	32	Pn	Pn	23 48 19.5 +1.5
RATZ	Rangitukua	2.32	29	Pn	Pn	23 48 18.5 +0.4
MCHZ	McNeill Hill	2.33	52	Pn	Pn	23 48 19.7 +0.7
MCHZ		2.44	27	Pn	Pn	23 48 20.2 +1.1
KUTZ	Kaahu Road	2.67	26	Pn	Pn	23 48 22.0 +1.3
TLZ	Tolley Road	2.73	21	Pn	Pn	23 48 26.3 +2.5
TLZ					Pn	23 48 24.5 -0.2

KRSC 26 23:52:30.1, 1.1, 52.07N, 159.37E, h23km, 19km, ML3.7,
 Off east coast of Kamchatka Peninsula

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
RUS	Russkaya	0.91	294	eP	Sb	23 52 47.1 -0.1
RUS					Sb	23 52 58.9 0.0
SPN	Mys Shipunski	1.04	5	eP	Pb	23 52 49.9 +0.6
SPN					Sb	23 53 03.9 +1.0
MTRV	Mutnovka	1.12	292	eP	Pn	23 52 50.7 -0.1
MTRV					Sb	23 52 57.9 +0.9
KDTR	Khodutka, Kamc	1.14	258	eP	Pn	23 53 05.9 -0.1
KDTR					Sb	23 53 05.7 +0.3
NLC	Nalytchevo	1.15	344	eP	Pn	23 52 51.1 -0.1
NLC					Sb	23 53 06.0 +0.3
DALK	Dalny	1.18	325	eP	Pn	23 53 06.5 +0.1
DALK					Sb	23 53 06.5 +0.1
ASAK	Asacha	1.25	285	eP	Pb	23 52 53.1 +0.1
ASAK					Sb	23 53 09.2 +0.4
UGLR	Uglovaya	1.31	331	eP	Pb	23 52 53.9 -0.1
UGLR					Sb	23 53 10.9 +0.5
KRMR	Karymshinskiy	1.31	306	eP	Pn	23 52 53.3 +0.4
KRMR					Sb	23 53 07.7 +0.1
SDLR	Sedlovina	1.35	334	eP	Pb	23 52 54.8 0.0
AVH	Avacha	1.38	331	eP	Pb	23 52 56.0 +0.7
AVH					Sb	23 53 14.2 +1.7
KRER	Koryakskii	1.41	332	eP	Pb	23 52 54.6 +0.5
KOK	Koyak	1.44	329	eP	Pn	23 52 56.1 -0.1
KRX	Krik	1.49	331	eP	Pb	23 52 56.9 -0.2
APC	Apacha	1.87	298	eP	Sb	23 53 02.6 -0.8
APC					Sb	23 53 25.9 -0.4
GNL	Ganalay	2.01	325	eP	Pb	23 53 04.4 -1.5
GNL					Sb	23 53 29.1 +1.3
MKZ	Mys Kozlova	2.73	23	eP	Pn	23 53 13.0 +0.6
KZM	Kizimen	3.06	5	eP	Pn	23 53 20.6 -3.3
TUV	Tumrok D	3.16	5	eP	Pn	23 53 21.2 +2.9

SJA 26 23:54:56.0, 0.3, 31.22S, 68.50W, h109km, 2km, ML2.9,
 MW3.6, San Juan Province

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
AMOG	MOGNA	0.28	1	eP	Pn	23 55 12.3 +0.6
AMOG					Sb	23 55 24.3 +1.0
RTVC	Cerro Valdivia	0.64	183	eP	Pn	23 55 14.6 +0.7
RTVC					Sb	23 55 28.1 +0.4
ACCO	Cerro Coronel	0.79	322	eP	Pn	23 55 16.7 +1.2
ACCO					Sb	23 55 31.9 +1.9
ACCO					IAML	23 55 32.8
RTLS	Leoncito	0.89	229	eP	Pn	23 55 17.7 +1.4
RTLS					IAML	23 55 35.2
AROD	Rodeo	1.34	321	eP	Pn	23 55 22.6 +1.4
ACAN	Canantal	1.54	134	eP	Pn	23 55 24.3 +0.6
APLL	PUNTA DE LOS L	1.89	65	eP	Pn	23 55 28.6 +1.0

SJA 27 00:02:07.4, 0.5, 29.45S, 72.50W, h13km, 27km, ML3.7,
 MW3.8
 GUC 27 00:02:13.4, 0.6, 29.77S, 72.07W, h48km, 5km, ML3.3
 ISC 27 00:02:09.7, 2.9, 29.70S, 0.05:72.3W, 0.1, h2km, 14km, n17,
 @207/25, 4C, Off coast of central Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
LSCH	La Serena	0.96	103	Op	ISC	h m s
LSCH					Pg	00 02 28.0 0.0
LSCH					Sg	00 02 39.0 -1.4
LSCH					IAML	

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Table with columns: CWC, Cottonwood Cre, 78.45, 54, P, P, 01 20 59.7 -0.8, etc. Lists various stations and their performance metrics.

Table with columns: LVV, comp=E,2um,16.0s, MLR, MLR, 80.88, 313, eP, P, 01 21 14.5 +0.8, etc. Lists various stations and their performance metrics.

Table with columns: PSN, Presentltsi, 82.54, 318, P, P, 01 21 21.1 -0.9, etc. Lists various stations and their performance metrics.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like VYHS, VYHS, PHSR, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like NKC, Novy Kostel, TIH, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like DRME, G39A, RIV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SNA, VNA3, VNA1, PTGA, ASCN, LPAZ, LPAZ, MNMC, PB11, G001, PB01, G003, PEL, PLCA, PLCA, PLCA, CPU, etc.

IDD 27 01:14:41.6-0.5, 32.96N-141.87E, h0km, mb4.3/35, mb1 4.4/41, mb1mx4.3/66, mbtmp4.3/41, ML3.7/4, Error ellipse: s-maj=12.6km s-min=11.8km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, HHJ2, etc.

ISCJB 27 01:14:45.9-0.3, 32.94N-141.79E, h0km, mb4.5/70, Error ellipse: s-maj=5.4km s-min=4.2km az=8=3

MOS 27 01:14:45.2-1.1, 32.90N-141.86E, h37km, mb4.6/37, Error ellipse: s-maj=11.8km s-min=6.1km az=113.1

JMD 27 01:14:42.6-0.2, 33.04N-141.92E, h20km, M4.3

BUI 27 01:14:43.6-0.0, 32.75N-141.78E, h30km, mb4.6/32, mB5.2/11, Ms5.7/7, Ms7.5/37

ISC 27 01:14:47.7-0.5, 33.05N-141.87E, h0km, m149, e158/154, mb4.5/70, 4C-7D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JAOM, JOD2, JYD2, JAG, JIE, MJAR, MAJO, MAJO, MAJO, MAJO, MAJO, MAJO, etc.

NMR Nemuro-Hokkai 10.74 15 j/p Pn 01 17 14.3 -4.6

GLVR Golovino 11.05 14 P Pn 01 17 13.3 -3.8

ASAJ Asahikawa 11.07 3 Pn 01 17 20.4 -2.9

GRPR Tuman 11.35 14 eP S 01 17 23.4 -3.7

YUK Yuzh-Kuril'sk 11.40 15 eP Pn 01 17 31.1 +3.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMQ, WMQ, WMQ, DGZ, DGZ, ZAA1, ZALV, MK31, MK31, MK31, MK31, MK31, MK31, etc.

MK32 Makanchi Array 46.65 305 eP P 01 23 11.7 -0.5

MTN Manton Dam 46.77 194 eP P 01 23 11.3 -1.9

KURK Kurchatov 47.86 311 eP P 01 23 29.4 +1.0

KURB Kurchatov Arr 48.82 311 P P 01 23 28.1 -0.7

KDAA Kodiak Island 49.87 40 P P 01 23 36.1 -0.6

KDAA Kodiak Island 49.87 40 P P 01 23 36.1 -0.6

COLA College 52.28 311 eP P 01 23 57.7 +3.0

KSH Kashi 52.47 297 eP P 01 24 00.5 +3.8

HDA Harding Lake 52.66 31 eP P 01 23 59.5 +1.9

ILAR Eison Array 52.69 31 P P 01 23 57.9 +0.1

ILB Eielson Array 52.69 31 P P 01 23 58.2 +0.4

AAK Ala-Archa 52.79 301 P P 01 24 00.1 +1.0

AAK Ala-Archa 52.79 301 eP P 01 24 01.9 +2.8

CTA Charters Towers 53.00 175 P P 01 23 58.7 -1.8

WRAB Tennant Creek 53.17 189 eP P 01 24 00.2 -1.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KONO, DUG, DUG, DUG, PD31, PDAR, SHPR, P17A, BR101, BR101, RAYN, RAYN, RAYN, RAYN, RAYN, RAYN, etc.

PD31 Pinedale Array 80.20 45 eP P 01 26 54.8 +0.5

PDAR Pinedale Array 80.20 45 P P 01 26 54.8 +0.5

SHPR Sheep Range 80.23 53 eP P 01 26 55.8 +1.3

P17A Pinedale Array 81.41 48 eP P 01 27 00.2 +1.2

BR101 Keskin Array S 81.79 312 eP P 01 27 03.2 +0.5

BR101 Keskin Array S 81.79 312 P P 01 27 03.2 +0.5

RAYN Ar Rayn 82.54 293 eP P 01 27 06.7 -0.1

RAYN Ar Rayn 82.54 293 eP P 01 27 06.7 -0.1

RV18 Skein Mesa, Pa 83.28 48 eP P 01 27 11.9 +1.3

RV18 Radium Mill, Pa 83.39 48 eP P 01 27 12.5 +1.3

ASF Jabal al Afar 84.06 305 P P 01 27 15.0 +0.5

MMAL Mount Meron Arr 84.59 306 P P 01 27 17.7 +0.5

CLL Collin 84.74 331 eP P 01 27 17.9 +0.5

CLL Collin 84.74 331 eP P 01 27 17.9 +0.5

CLL Collin 84.74 331 eP P 01 27 17.9 +0.5

ISC 27 01:15:17.3-0.9, 36.1N-102.70E, h102km, mb3.6/7, Error ellipse: s-maj=28.4km s-min=19.5km az=138.1

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

ISC 27 01:15:18.9-1.2, 36.1N-102.70E, h102km, n9, e023/9, mb3.7/7, Hindu Kush region

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Table with multiple columns containing station names, call signs, frequencies, and other technical details. The table is organized into several vertical sections, each representing a different frequency range or station group. Each row typically includes a call sign, a name, a frequency, a power level, and a mode of operation.

27d 1h

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:32:48.9, 41.94N:23.19E, h22km, M1.7, ML1.9
ISCJB 27 01:32:48.8, 0.4, 41.96N:0.02:23.20E:0.03, h2km, 4km,
Error ellipse: s-maj=4.2km, s-min=3.0km, az=162.0

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:31.8, 41.94N:23.25E, h18km, M3.4, ML3.8
ISCJB 27 01:48:32.0, 0.3, 41.952N:0.009:23.16E:0.01, h8km, 2km,
mb3.6/1, Error ellipse: s-maj=1.8km, s-min=1.4km

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:32.6, 0.4, 41.952N:0.01:23.20E:0.02, h12km, 6km,
n24, r160/368, 26C-6D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:37:22.1, 41.95N:23.23E, h15km, M0.8, ML1.4, 1C-1D,
Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

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Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include VAY Valandovo, VAY VAY, VAY comp=N, 8.9nm, 0.6s, KNT Kendrikon, SRS Serrai.

ISCJB 27 01:45:42.1, 1.6, 37.5N:0.1:71.50E:0.10, h109km,
mb3.6/3, Error ellipse: s-maj=16.1km, s-min=9.0km

NINC 27 01:45:46.6:3.3, 37.90N:71.83E, h0km, mb4.0, mpv3.6,
Error ellipse: s-maj=27.2km, s-min=22.8km, az=40.0

IDC 27 01:45:48.9:25.0, 37.30N:71.64E, h188km, 153km,
mb3.1/3, mb1.3, 3.0/5, mb1mx2.7/44, mbtmp3.6/5, ML3.1/2,
Error ellipse: s-maj=280.3km, s-min=75.8km, az=209.0

ISC 27 01:45:42.6:1.9, 37.5N:0.1:71.51E:0.09, h109km, n9,
z5258/12, mb3.6/3, 1C-3D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include AAK Ala-Archa, AAK Karatay Array, KK31 Karatay Array, TKM2 Tokmak 2, GEYT Alibek, MKAR Makanchi Array, AKTO Aktyubinsk, AKTO FINES FINES Array B, ARCS ARCS Array B, HFS Hagfors.

SKO 27 01:48:31.8, 41.94N:23.25E, h18km, M3.4, ML3.8
ISCJB 27 01:48:32.0, 0.3, 41.952N:0.009:23.16E:0.01, h8km, 2km,
mb3.6/1, Error ellipse: s-maj=1.8km, s-min=1.4km

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:32.6, 0.4, 41.952N:0.01:23.20E:0.02, h12km, 6km,
n24, r160/368, 26C-6D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:32.6, 0.4, 41.952N:0.01:23.20E:0.02, h12km, 6km,
n24, r160/368, 26C-6D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:32.6, 0.4, 41.952N:0.01:23.20E:0.02, h12km, 6km,
n24, r160/368, 26C-6D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

SKO 27 01:48:32.6, 0.4, 41.952N:0.01:23.20E:0.02, h12km, 6km,
n24, r160/368, 26C-6D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include KKB Krupnik, MMB Musomiste, VTS Vitosh, VAY Valandovo, KNT Kendrikon, SRS Serrai, SOH Sokhos.

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Large table with columns: Code, Station Name, Az, AzZ, Op, Phase ID, Time, Res. Rows include THE comp=N, 3946um, 0.6s, BARS Barje, BARS Barje, BARS Barje, KVALA Kavala, KVALA Kavala, KVALA Kavala, HORT Hortiatis, HORT Hortiatis, HORT Hortiatis, HORT Hortiatis, HORT Hortiatis, KAVA Kavala, KAVA Kavala, KAVA Kavala, ZAPS Zavoj, ZAPS Zavoj, PLG Polygyros, PLG Polygyros, PLG Polygyros, PLG Polygyros, KZD Kurdzhali, KZD Kurdzhali, OUR Ouranopolis, OUR Ouranopolis, OUR Ouranopolis, DIM Dimitrovgrad, THAS Thassos island, THAS Thassos island, THAS Thassos island, PLVB Pleven, PLVB Pleven, FNA Florina, FNA Florina, FNA Florina, FNA Florina, FNA Florina, LIT Litokhoron, LIT Litokhoron, LIT Litokhoron, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, KZN Kozani, KZN Kozani, SELS Selova, ZAGS Zajecar, BOVS Bovan, PVL Pavlikeni, PAIG Paliouri, PAIG Paliouri, PAIG Paliouri, PAIG Paliouri, PHP Peshkopija, ELND Elena, VLAD Vladia, NEST Nestorio, NEST Nestorio, SMTH Samothraki Isl, SMTH Samothraki Isl, SMTH Samothraki Isl, PENT Pentalofo, PENT Pentalofo, ALN Alexandroupoli, ALN Alexandroupoli, CRAR CRAIOVA, KPRO Kipourio, KPRO Kipourio, ENEZ Enez, LIA Limnos Island, LIA Limnos Island, THL Klokotos Trika, THL Klokotos Trika, JMB Yambol, TIR Tirane, TIR Tirane, TIR Tirane, XOR Xorichti, XOR Xorichti, XOR Xorichti, COPA Copocapca, NEO Neokhori, NEO Neokhori, EDRB Edirne, EDRB Edirne, GRUZ Gruza, GRUZ Gruza, KUBS Kucevo, KUBS Kucevo, SJES Sjenica, DJES Djerdap, DJES Djerdap, IVAS Ivanjica, SKIA Skiathos, KESN Edirne-Kesan, HUMR Humr, JAN Janina, KIRK Kirtkareli, KIRK Kirtkareli.

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

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like BLY Banja Luka, TLCR Veliai, MORH Mrgy, Hungary, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res. Includes stations like KURBB, PGC 27 02:04:09.3, MEX 27 02:09:46, SJA 27 02:13:17, AMOG MOGNA, etc.

SMTH	comp=N,1453um,0.7s	AML	AML	03 23 11.8	comp=N,272nm,1.1s	LKR	Lokris	3.32 183	P	Pn	03 22 47.4 -0.4	AYDN	Tasoluk	5.61 139	i	Pn	03 23 21.3 +2.0
SMTH	comp=N,1405um,0.6s	AML	AML	03 23 15.5	comp=N,256nm,0.1s	BAYC	CANAKKALE, Bayr	3.37 130	P	Pn	03 22 49.3 +0.8	AYDN					
ZBBL	Pentalofos	2.32 43	P	Pg	03 22 39.3 -0.7	BBLs	Lazići	3.37 305	ePn	Pn	03 22 49.4 +0.8	KTH	Thessalonike	5.64 243	P	Pn	03 23 27.1 +2.9
PENT	Pentalofos	2.36 222	P	Pn	03 22 35.2 +0.5	BBLs	Lazići	3.37 305	ePn	Pb	03 22 52.6 -3.1	KTH	Kythira Island	5.71 181	P	Pn	03 23 23.4 +1.8
PENT		2.36 222	P	Pn	03 22 35.1 +0.5	UPM	Ano-Piva	3.41 293	Pn	Pb	03 22 50.0 +0.8	ZIRJ	Zirje	5.81 289	ePn	Pn	03 23 23.9 +2.0
PENT	comp=N,1042um,0.8s	AML	AML	03 23 20.2	UPM				eSn	Sn	03 23 21.2 +1.4	ZIRJ					
PENT	comp=N,1042um,0.8s	AML	AML	03 23 21.3	UPM	Unac-Piva	SIGRI	3.41 293	ePn	Sn	03 22 50.6 +0.7	MORI	Morici	5.82 292	ePn	Pn	03 23 24.9 +2.8
ALN	Alexandroupoli	2.39 116	ePn	Pb	03 22 37.9 -0.9	SIGR		3.41 143	S	Sn	03 23 30.8 +1.1	MORI					
ALN	Alexandroupoli	2.39 116	S	Pb	03 22 36.9 -1.9	SIGR				Sn	03 23 30.8 +1.1	MORI	Bucovina Ar. S	5.85 193	ePn	Pn	03 24 28.6 +0.5
ALN				Sb	03 23 06.8 -1.6	KEK	Kerira	3.43 230	P	Pn	03 22 51.2 +1.9	SAHE	Sakarya_HENDEK	5.86 98	i	Pn	03 23 24.0 +1.3
CRAR	CRAIOVA	2.40 10	P	Pn	03 22 35.3 +0.2	CZR	Gurja Zlata	3.44 335	P	Pn	03 22 49.6 +0.1	BORA	BORA	5.87 108	i	Pn	03 23 27.7 +4.8
KPRO	Kipourio	2.45 215	P	Pn	03 22 36.5 +0.6	LOT	Lotru	3.50 71	P	Pn	03 23 01.0 +0.0	BORA					
KPRO	Kipourio	2.45 215	P	Pn	03 23 05.9 -0.1	SULR		3.50 38	P	Pg	03 23 01.6 -1.2	SRCK	Saricakaya, Es	5.93 106	i	Pn	03 23 24.8 +1.1
KPRO	comp=N,702nm,0.9s	AML	AML	03 23 26.5 +0.6	ANX	Ano Chora	ANX	3.51 197	P	Pn	03 22 50.8 +0.3	SRCK					
KPRO	comp=N,702nm,0.9s	AML	AML	03 23 26.5 +0.6	ANX	Ano Chora	ANX	3.51 197	P	Pn	03 22 50.9 +0.3	SRCK					
KPRO	comp=N,1242um,0.7s	AML	AML	03 23 28.7	ANX	comp=E,848um,1.4s	ANX			AML	03 23 33.0	UDBI	Udbina	6.01 298	ePn	Pn	03 23 28.9 +4.1
KPRO	comp=N,1479nm,1.3s	AML	AML	03 23 28.7	ANX	comp=E,848um,1.4s	ANX			AML	03 23 33.0	KHAL	Karahalli	6.01 125	i	Pn	03 23 27.1 +2.3
PVY	Plav	2.49 286	Pn	Pn	03 22 36.9 +0.4	HCY	Herceg Novi	3.53 279	Pn	Pn	03 22 52.0 +1.3	KHAL					
LIA	Limnos Island	2.55 143	P	Pn	03 22 37.4 +0.2	HCY			eSn	Pn	03 22 52.0 +1.3	BTAS	Taskesti	6.04 101	i	Pn	03 23 27.0 +1.9
LIA	Limnos Island	2.55 143	P	Pn	03 23 10.3 +1.9	HCY	Herceg Novi	3.53 279	ePn	Pn	03 22 52.0 +1.3	BTAS					
LIA	comp=N,2um,0.7s	AML	AML	03 23 37.5 +0.2	BRY	Bratogost	BRY	3.58 287	Pn	Pn	03 22 52.6 +1.1	TRPA	Tarpa	6.18 356	ePn	Pn	03 23 28.1 +1.0
LIA	comp=N,2um,0.7s	AML	AML	03 23 37.5 +0.2	BRY		BRY		eSn	Sn	03 23 34.8 +0.9	TRPA					
LIA	comp=N,4269um,0.8s	AML	AML	03 23 21.5	BRY	Bratogost	PRK	3.58 287	ePn	Sn	03 22 53.4 +1.9	TRPA					
LIA	comp=N,4269um,0.8s	AML	AML	03 23 21.5	PRK	Paraskevi	PVO	3.58 138	P	Pn	03 22 53.8 +2.4	MDUB	MDURMU	6.21 101	ePn	Pn	03 23 30.5 +2.9
THL	Klokotos Trika	2.57 201	P	Pn	03 22 37.3 -0.1	PVO	Paravola	3.59 171	P	Pn	03 22 50.9 -0.6	TIH	Tihany	6.22 324	ePn	Pn	03 23 27.1 -0.6
THL	Klokotos Trika	2.57 201	P	Pn	03 23 09.0 +0.3	ERE	Ertria	3.59 171	P	Pn	03 22 51.3 -0.2	TIH					
THL	comp=N,913um,0.9s	AML	AML	03 23 20.9	ERE	Ertria	ERE		S	Sn	03 23 31.9 -2.1	DUGI	Dugdi	6.27 333	eSn	Pn	03 24 38.0 -1.9
THL	comp=N,913um,0.9s	AML	AML	03 23 20.9	ERE	comp=N,913um,0.9s	ERE		AML	AML	03 24 01.6	BUD	Budi Otok	6.31 291	ePn	Pn	03 23 30.4 +1.5
THL	comp=N,522um,0.7s	AML	AML	03 23 24.3	DSF	Desfina	DSF	3.59 189	P	Pn	03 22 51.3 -0.2	PSZ	Piszkesteto	6.40 340	ePn	Pn	03 23 29.5 +0.5
THL	comp=N,522um,0.7s	AML	AML	03 23 24.3	DSF	Desfina	DSF	3.59 189	P	Pn	03 22 51.3 -0.2	PSZ	Piszkesteto	6.40 340	ePn	Pn	03 24 40.1 -3.2
TIR	Tirane	2.58 257	ePn	Pn	03 22 38.6 +0.5	DSO	Desfina	3.59 189	P	Pn	03 22 51.3 -0.2	CSKK	Cskako	6.44 329	ePn	Pn	03 23 40.1 -0.6
TIR	Tirane	2.58 257	ePn	Pn	03 22 39.0 +1.4	DSO	Desfina	3.59 189	P	Pn	03 22 51.4 -0.2	CSKK					
TIR	Tirane	2.58 257	eSg	Pn	03 23 18.0 -0.5	SERG	Sergoula	3.66 184	P	Pn	03 22 52.4 +0.2	BEHE	Becsehely	6.45 316	ePn	Pn	03 24 34.2 +3.5
TIR	Tirane	2.58 257	S	Pn	03 22 39.4 +1.8	KALE	Kalitha	3.67 193	P	Pn	03 22 52.6 +0.2	BEHE					
TIR	Tirane	2.58 257	S	Pn	03 23 10.2 +1.1	KALE	Kalitha	3.67 193	P	Pn	03 22 52.8 +0.2	NVLJ	Novalja	6.61 296	ePn	Pn	03 23 37.5 +4.5
TIR	comp=N,318nm,1.6s	AML	AML	03 22 40.9 -1.2	KALE	comp=N,360um,1.3s	KALE			AML	03 23 58.2	KIBS	BOLU	6.70 100	i	Pn	03 23 36.8 +2.4
TIR	comp=N,318nm,1.6s	AML	AML	03 22 40.9 -1.2	KALE	comp=N,360um,1.3s	KALE			AML	03 23 58.2	KIBS					
XOR	Xorichti	2.60 180	P	Pn	03 22 37.3 -0.6	TREB	Trebjine	3.68 283	ePn	Pn	03 22 52.5 -0.2	KOGS	Kog	6.71 314	i	Pn	03 23 36.9 +2.6
XOR	Xorichti	2.60 180	P	Pn	03 23 08.1 -1.5	TREB	Trebjine	3.68 283	ePn	Pn	03 22 52.5 -0.2	KOGS					
XOR	comp=N,1986um,0.6s	AML	AML	03 23 19.1	TREB	Trebjine	TSLK	3.69 213	P	Pn	03 22 55.9 +3.2	BOLV	Bolvadin	6.75 116	i	Pn	03 24 53.9 +3.1
XOR	comp=N,1986um,0.6s	AML	AML	03 23 19.1	TREB	Trebjine	TSLK	3.69 213	P	Pn	03 22 55.9 +3.2	BOLV					
IVA	Berane	2.61 291	Pn	Pn	03 22 38.7 +0.5	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
IVA	Berane	2.61 291	Pn	Pn	03 23 11.7 +1.6	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
COPA	Copocanca	2.62 34	P	Pn	03 22 42.4 -0.3	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
MEV	Metsovon	2.65 215	P	Pn	03 22 40.0 +1.5	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
GRUS	Gruza	2.65 317	ePn	Pn	03 22 38.9 +0.3	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
GRUS	Gruza	2.65 317	eSg	Pn	03 23 21.4 +0.6	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
KUBS	Neokhori	2.66 180	eSg	Pn	03 22 38.7 -0.1	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
KUBS	Neokhori	2.66 180	eSg	Pn	03 22 38.4 -0.7	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
KUBS	Neokhori	2.66 180	eSg	Pn	03 23 21.0 -0.9	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
KUBS	Neokhori	2.66 180	eSg	Pn	03 22 42.0 -2.0	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SRE	Strehaia	2.69 360	P	Pn	03 22 40.4 +0.9	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SRE	Strehaia	2.69 360	P	Pn	03 23 21.1 -1.7	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SJES	Sjenica	2.71 300	ePn	Pn	03 22 39.4 -0.5	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SJES	Sjenica	2.71 300	ePn	Pn	03 23 21.3 -1.7	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SVIS	Svilajnac	2.72 328	eSg	Pn	03 22 38.7 -0.9	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SVIS	Svilajnac	2.72 328	eSg	Pn	03 23 21.3 -1.7	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
DJES	Djerdap	2.74 350	ePn	Pn	03 22 39.4 -0.5	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
DJES	Djerdap	2.74 350	ePn	Pn	03 23 23.7 -0.0	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
DJES	Djerdap	2.74 350	ePn	Pn	03 22 40.5 +0.3	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
DJES	Djerdap	2.74 350	ePn	Pn	03 23 24.5 +0.1	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
IVAS	Ivanjica	2.76 307	eSg	Pn	03 22 40.1 -0.6	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
IVAS	Ivanjica	2.76 307	eSg	Pn	03 22 39.7 -1.1	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	Skiathos	2.81 176	P	Pn	03 23 14.4 -0.3	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	Skiathos	2.81 176	P	Pn	03 23 26.9	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	Skiathos	2.81 176	P	Pn	03 23 27.8	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	Skiathos	2.81 176	P	Pn	03 22 45.9 -1.0	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	Skiathos	2.81 176	P	Pn	03 22 42.0 +0.4	TREB	Trebjine	TSLK	3.69 213	P	03 22 55.9 +3.2	BOLV					
SKIA	S																

27d 3h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like HFS, FINES, NC602, NAO01, etc.

IDC 27 03:23:16.8... 1.7, 7.07N, 126.05E, h0km, mb3.9/5, mb1 3.9/5, mb1mx3.6/45, mbtmp3.9/5, MS3.0/1, Ms1 3.0/1, ms1mx2.4/33, Error ellipse: s-maj=66.0km s-min=22.9km az=75.0

ISCJB 27 03:23:19.9... 1.5, 7.81N, 0.04x126.92E, h23km, 10km, mb3.9/5, MS2.9/1, Error ellipse: s-maj=12.1km s-min=7.4km az=170.1

MAN 27 03:23:21.7... 7.778N, 126.66E, h2km, MS3.0, ISC 27 03:23:21.5... 1.9, 7.79N, 0.04x126.7E, 0.1, h30km, 13km, n17, c1925/15, mb4.0/5, ID, Mindanao

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like BIPH, MATI, BUTP, etc.

ISCJB 27 03:30:54.9... 0.3, 41.96N, 0.01x23.13E, h4km, 2km, Error ellipse: s-maj=2.8km s-min=2.0km az=159.3

SOF 27 03:30:55.4... 41.98N, 23.27E, h2km, SKO 27 03:30:55.4... 41.94N, 23.18E, h15km, M2.5, ML2.9

ATH 27 03:30:56.6... 41.88N, 23.21E, h26km, 1km, ML3.0/19, Error ellipse: s-maj=2.2km s-min=1.4km az=170.0

BE0 27 03:30:56.1... 0.2, 41.95N, 23.19E, h11km, 2km, ML2.9/13, Error ellipse: s-maj=1.4km s-min=0.9km az=174.0

ISK 27 03:30:57.4... 41.84N, 23.12E, h5km, ML3.5/18, ISC 27 03:30:54.9... 0.9, 41.95N, 0.01x23.23E, 0.02, h18km, 4km, n125, c1949/173, 21C-3D, Greece-Bulgaria border region

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like KKB, MMB, VTS, NVR, etc.

2013 JUL

Main table with columns: SRS, Serrai, Pn, Az, Op, Phase ID, Time, Res. Includes stations like SRRS, SRRS, SRRS, etc.

1456

Table with columns: LIA, comp=N,294um,0.9s, AML, AML, 03 32 21.3. Includes stations like XOR, XOR, XOR, etc.

ATH 27 03:38:36.2... 35.73N, 23.50E, h51km, 4km, ML2.0/3, Error ellipse: s-maj=17.8km s-min=1.9km az=222.0

THE 27 03:38:31.8... 35.31N, 22.98E, h3km, 1km, ML2.1/5, Error ellipse: s-maj=1.5km s-min=0.5km az=61.0, Central Mediterranean Sea

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

ISCJB 27 03:40:02.1... 0.3, 41.95N, 0.01x23.16E, h7km, 2km, Error ellipse: s-maj=2.8km s-min=1.9km az=167.7

SOF 27 03:40:02.6... 41.97N, 23.27E, h2km, SKO 27 03:40:02.4... 41.94N, 23.28E, h15km, M2.5, ML2.8

BE0 27 03:40:03.0... 0.2, 41.95N, 23.20E, h14km, 2km, ML2.7/13, Error ellipse: s-maj=4.0km s-min=1.3km az=162.0

ATH 27 03:40:04.1... 41.85N, 23.23E, h25km, 2km, ML2.6/4, Error ellipse: s-maj=1.1km s-min=0.7km az=168.0

ISC 27 03:40:02.9... 0.8, 41.95N, 0.01x23.18E, 0.02, h12km, 6km, n100, c1908/135, 13C-8D, Greece-Bulgaria border region

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

NVR	comp=N,904µm,0.2s	AML	AML	03 40 31.8					
KNT	comp=E,816µm,0.2s	P	P	03 40 18.3 -0.3					
KND	Kendrikon	0.81 195	P	Sg	03 40 18.9 -0.4				
KNT	comp=E,588nm,0.3s	P	P	03 40 18.4 -0.3					
KNT	Kendrikon	0.81 195	P	Pg	03 40 28.9 -0.4				
KNT	comp=E,1101µm,0.2s	P	P	03 40 18.3 -0.3					
KNT	comp=E,1101µm,0.2s	AML	AML	03 40 33.5					
KNT	comp=N,1227µm,0.4s	AML	AML	03 40 19.7 -0.4					
SRS	Serrai	0.89 159	eP	Sg	03 40 31.3 -0.3				
SRS	Serrai	0.89 159	P	Sg	03 40 19.5 -0.5				
SRS	Serrai	0.89 159	P	Sg	03 40 30.7 -0.9				
SRS	comp=N,460nm,0.2s	P	P	03 40 19.6 -0.5					
SRS	Serrai	0.89 159	P	Pg	03 40 31.4 -0.3				
SRS	Serrai	0.89 159	P	Sg	03 40 19.5 -0.5				
SRS	Serrai	0.89 159	P	Sg	03 40 31.2 -0.3				
SRS	comp=N,1070µm,0.2s	AML	AML	03 40 34.4					
SRS	comp=N,1070µm,0.2s	AML	AML	03 40 35.5					
PGB	comp=E,718µm,0.3s	P	P	03 40 20.0 -1.3					
SOH	Panagyurishte	0.95 50	P	Sg	03 40 24.1 -0.3				
SOH	Sokhos	1.13 173	P	Sb	03 40 39.0 -0.1				
SOH	comp=E,550nm,0.5s	P	P	03 40 23.8 -0.6					
SOH	Sokhos	1.13 173	P	Pb	03 40 24.2 -0.3				
SOH	Sokhos	1.13 173	P	Sb	03 40 38.4 -0.7				
SOH	comp=N,1583µm,0.5s	AML	AML	03 40 41.9					
SOH	comp=N,1583µm,0.5s	AML	AML	03 40 44.3					
PLD	comp=E,574µm,0.3s	P	P	03 40 24.4 -0.3					
PLD	Plodiv	1.15 82	eP	Sg	03 40 39.6 -0.4				
RZN	Rozhen	1.18 102	P	P	03 40 25.0 -0.4				
SKO	Skopje	1.29 272	eP	Sg	03 40 26.5 -0.3				
SKO	Skopje	1.29 272	eP	Sg	03 40 45.2 +0.5				
THE	Thessaloniki	1.29 272	P	Pg	03 40 28.5 +0.7				
THE	Thessaloniki	1.32 187	P	Pb	03 40 27.6 -0.1				
THE	comp=E,352nm,0.4s	P	P	03 40 44.8 +0.1					
THE	Thessaloniki	1.32 187	P	Sb	03 40 27.8 +0.2				
BARS	Barje	1.33 311	eP	Sg	03 40 28.1 +0.3				
BARS	Barje	1.33 311	eP	Sb	03 40 40.2 -4.6				
BARS	Barje	1.33 311	eP	Sg	03 40 45.6 +0.7				
HORT	Hortiatiss	1.35 182	P	Sb	03 40 28.1 -0.1				
HORT	Hortiatiss	1.35 182	P	Sb	03 40 45.7 +0.2				
HORT	comp=E,128nm,0.6s	P	P	03 40 27.7 +0.1					
HORT	Hortiatiss	1.35 182	P	Pn	03 40 29.2 +0.2				
KAVA	Kavala	1.38 133	P	Pn	03 40 28.4 -0.3				
KAVA	Kavala	1.38 133	P	Sb	03 40 45.9 -0.3				
KAVA	comp=E,390nm,0.4s	P	P	03 40 28.5 -0.3					
ZAPS	Zavojo	1.38 133	P	Pb	03 40 31.1 +0.3				
PLG	Polygyros	1.58 173	P	Sn	03 40 51.5 +0.3				
PLG	Polygyros	1.58 173	P	Sb	03 40 31.2 +0.4				
PLG	Polygyros	1.58 173	P	Sb	03 40 34.4 +0.1				
OUR	Ouranopolis	1.72 159	P	Sn	03 40 32.5 -0.2				
OUR	Ouranopolis	1.72 159	P	Sb	03 40 45.7 +0.2				
OUR	comp=E,580nm,0.7s	P	P	03 40 32.8 +0.2					
OUR	Ouranopolis	1.72 159	P	Pn	03 40 32.8 +0.2				
THAS	Thassos island	1.77 139	P	Sn	03 40 55.4 -0.4				
THAS	Thassos island	1.77 139	P	Pn	03 40 33.3 +0.1				
FNA	Florina	1.79 230	eP	Sg	03 40 34.8 -0.8				
FNA	Florina	1.79 230	eP	Sg	03 40 34.5 +0.9				
FNA	Florina	1.79 230	eP	Sg	03 40 59.7 -0.6				
FNA	comp=E,350nm,0.5s	P	P	03 40 36.0 +0.3					
FNA	Florina	1.79 230	P	Pb	03 40 35.9 +0.3				
FNA	Florina	1.79 230	P	Pb	03 40 36.7 +0.7				
PLVB	Pleven	1.79 36	P	Sg	03 41 00.0 -0.5				
LIT	Litohoron	1.92 196	P	Sn	03 40 34.9 -0.5				
LIT	Litohoron	1.92 196	P	Sb	03 41 00.1 +0.7				
RDO	Rodhopi	1.94 114	P	Pn	03 40 36.2 +0.5				
RDO	Rodhopi	1.94 114	P	Pb	03 40 37.1 -1.2				
SELS	Selova	1.98 311	eP	Sn	03 40 37.1 +0.8				
SELS	Selova	1.98 311	eP	Sn	03 41 01.6 +0.6				
ZAGS	Zajecar	1.99 340	eP	Sn	03 40 35.5 -0.8				
BOVS	Bovan	2.00 328	eP	Sn	03 40 37.2 +0.6				
PAIG	Paliouri	2.05 169	P	Sn	03 41 02.4 +0.0				
BAIL	Bailesti	2.08 3	P	Sn	03 41 04.8 +1.5				
ELND	Elena	2.23 63	P	Sn	03 40 40.0 +0.4				
VLAD	Vladia	2.24 23	P	Sb	03 41 10.3 -0.6				
SMTH	Samothraki Isl	2.31 129	P	Sn	03 40 41.1 +0.3				
SMTH	Samothraki Isl	2.31 129	P	Sb	03 41 08.6 -0.5				
SMTH	comp=E,30nm,0.9s	P	P	03 40 42.1 +1.3					
SMTH	Samothraki Isl	2.31 129	P	Pn	03 40 43.0 +1.0				
ALN	Alexandroupoli	2.40 115	P	Sn	03 41 12.4 +1.1				
ALN	Alexandroupoli	2.40 115	P	Pn	03 40 43.7 +1.8				
LIA	Limnos Island	2.55 143	P	Pn	03 40 44.0 0.0				
LIA	Limnos Island	2.55 143	P	Pb	03 41 15.6 +0.6				
LIA	comp=E,75nm,0.9s	P	P	03 40 45.6 +1.6					
XOR	Xorichiti	2.58 180	P	Pn	03 40 44.6 +0.1				
COPA	Copaceanca	2.65 34	S	Sb	03 41 21.0 -1.7				
GRUS	Gruza	2.65 318	eP	Pn	03 40 45.3 -0.2				
KUBS	Kucevo	2.70 336	eP	Pn	03 40 45.8 -0.3				
SJES	Sjenica	2.70 300	eP	Pn	03 40 45.8 -0.5				
SRE	Srethia	2.71 0	P	Pn	03 40 46.2 -0.1				
IVAS	Ivanjica	2.76 307	eP	Pn	03 40 48.0 +1.0				
KESN	Edirne-Kesan	2.87 112	iP	Pg	03 40 56.4 -1.5				
KESN	Edirne-Kesan	2.87 112	iP	Pg	03 40 56.4 -1.5				
RAGZ	Razgrad	2.94 55	S	Sb	03 41 29.3 -1.8				
PDG	Podgorica	2.95 281	iP	Pn	03 40 50.2 +0.6				
HERR	Herculane	2.98 350	iP	Pn	03 40 49.5 -0.5				
HERR	Herculane	2.98 350	S	Sn	03 41 26.3 +0.6				
TRUB	Trudelj	3.05 319	eP	Pn	03 40 52.3 +1.4				
SGRS	Singurenii	3.06 41	S	Sn	03 41 50.0 +0.3				
DIVS	Divibare	3.17 314	eP	Pn	03 41 55.0 -0.3				
SART	Tekirdag	3.27 111	iP	Pb	03 41 02.0 +1.2				
SART	Tekirdag	3.27 111	iP	Pb	03 41 02.0 +1.2				
BBS	comp=E,230nm,0.2s	P	P	03 40 55.4 0.0					
BBS	Lazi#263i	3.37 306	eP	Pn	03 40 58.2 +2.8				
BAYC	CANAKKALE_Bayr	3.38 130	P	Pn	03 40 58.2 +2.8				
BAYC	CANAKKALE_Bayr	3.38 130	P	Pn	03 40 58.2 +2.8				
GZR	Gura Zlata	3.46 355	iP	Pn	03 40 56.9 +0.3				
GZR	Gura Zlata	3.46 355	iP	Pn	03 41 37.8 +0.3				
LOT	Lotru	3.53 7	P	Pn	03 41 31.9 +0.5				
ARR	Arges	3.58 17	iP	Pn	03 40 58.9 +0.6				
VOIR	Voivodina	3.74 21	iP	Pn	03 41 01.6 +0.9				
BZS	Buzias	3.84 343	iP	Pn	03 41 01.6 -0.2				
BZS	Buzias	3.84 343	S	Sn	03 41 46.7 -0.1				
MLR	Muntele Rosu	4.07 29	iP	Pn	03 41 06.9 +1.8				
MLR	Muntele Rosu	4.07 29	S	Sn	03 41 02.3 +0.3				
TLB	Topalu	4.42 52	iP	Pn	03 41 12.5 +2.7				
TLB	Topalu	4.42 52	S	Sn	03 42 04.7 +3.5				
SIRR	Siria	4.46 346	iP	Pn	03 41 10.2 -0.1				
THIR	Tirgusor	4.84 55	S	Pn	03 42 08.6 +3.6				
VRI	Vrincioara	4.84 55	S	Pn	03 41 14.2 +1.3				
CFR	Carcaliu	4.86 46	S	Pn	03 42 15.7 +4.3				
DRGR	Dracovici	4.86 356	iP	Pn	03 41 16.8 +1.0				

TCW	Tory Channel	0.41 354	P	Pb	03 41 33.1 -0.5				
TCW	Tory Channel	0.41 354	P	Sb	03 41 39.7 -0.1				
BHW	Baring Head	0.46 62	P	Pb	03 41 34.2 0.0				
PLWZ	Palisser	0.69 86	P	Pb	03 41 38.8 +0.5				
MLSK	Molokai Station	0.72 74	P	Pb	03 41 39.2 +0.5				
CAW	Cannon Point	0.75 49	P	Pb	03 41 39.1 0.0				
NNZ	Nelson	0.83 299	P	Pg	03 41 40.3 0.0				
PAWZ	Parawai Falls	0.85 74	P	Pb	03 41 41.6 +0.5				
DUWZ	D'Urville Isla	0.88 339	P	Pb	03 41 41.4 -0.1				
KHZ	Kahutara	0.99 217	P	Pn	03 41 44.2 +0.2				
MTWZ	Mount Morrison	0.99 52	P	Pn	03 41 44.1 +0.1				
GTWZ	Great Valley S	1.02 38	P	Pn	03 41 53.2 0.0				
TRWZ	Traveller	1.04 78	P	Pn	03 41 44.8 +0.1				
THZ	Tophouse	1.08 262	P	Pb	03 41 45.0 0.0				
HWS	Holdsworth Sta	1.15 51	P	Pg	03 41 46.3 -0.1				
TMWZ	Te Maipa	1.28 67	P	Pb	03 41 48.1 +0.1				
MRZ	Mangaitaiko R	1.34 45	P	Pb	03 41 49.5 +0.6				
TWZ	Tintock	1.44 55	P	Pb	03 41 50.7 -0.4				
QRZ	Quartz Range	1.58 300	P	Pb	03 41 53.6 +0.2				
OHZ	Ohaeake	1.60 28	P	Pg	03 41 54.6 -0.4				
PRWZ	Pori Road	1.63 50	P	Pn	03 41 53.1 +0.3				
POWZ	Post Office Ro	1.64 42	P	Pn	03 41 53.6 +0.7				
GWZ	Great Valley S	1.65 22	P	Pn	03 41 53.2 0.0				
BFZ	Birch Farm S	1.72 58	P	Pn	03 41 54.0 -0.1				
DSZ	Denniston Nort	1.90 265	P	Pb	03 41 58.8 -0.2				
DVHZ	Dannevirke	1.92 47	P	Pn	03 41 56.7 0.0				
LTZ	Lake Taylor	1.92 232	P	Pn	03 41 57.2 +0.4				
WAZ	Whangarei	1.95 15	P	Pg	03 42 00.5 -0.9				
TSZ	Takaka Road	1.97 23	P	Pb	03 41 39.1 0.0				
PNHZ	Pukenui	2.22 40	P	Pn	03 42 01.0 +0.1				
WPHZ	Waipukurau	2.23 46	P	Pb	03 42 01.2 +0.2				
NMEZ	Namu Road	2.23 351	P	Pb	03 42 04.6 +0.1				
PREZ	Palmer Road	2.28 357	P	Pb	03 42 05.7 +0.3				
OKZ	Okangitukau	2.30 28	P	Pb	03 42 07.7 +1.3				
KHZ	Kahui Hut	2.34 354	P	Pb	03 42 06.5 +0.1				
INZ	Inchbonnie	2.42 242	P	Pn	03 42				

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VOIR, HAPS, BZS, CTYL, etc.

BEO 27 03:56:53.9, 0.3, 41.96N, 23.19E, h5km, ML1.4/5, Greece-Bulgaria border region

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

SKO 27 03:57:30.9, 41.94N, 23.28E, h15km, M1.5, ML1.8, 1C, Greece-Bulgaria border region

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

MDD 27 04:04:57.2, 1.4, 34.03N, 4.80W, h9km, 16km, mb3.5/19, Error ellipse: s-maj=22.1km s-min=7.4km az=179.0, PRXIMO

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

ISCB 27 04:04:57.0, 34.10N, 4.70W, ML3.4, FEZ (MARRUECOS), Error ellipse: s-maj=3.1km s-min=2.3km az=9.8

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

Main table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like EQU, SRHE, ENIJ, GORA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BUJ, NEIC, MOS, DJA, GCMT, etc.

EDW2	Edwards Air Fo	87.75	55	P	P	04 37 23.9	-0.2
PASC	Pasadena Art C	87.78	56	PFAKE	LR	04 37 40.0	+16
LRMC	Laurel Mtn Rad	87.85	54	P	P	04 37 25.1	+0.5
MPMC	Manual Prospec	87.86	54	P	P	04 37 24.6	-0.2
MWC	Mount Wilson	87.87	55	eP	P	04 37 26.4	+1.6
MWC	Mount Wilson	87.87	55	eP	Pmax	04 37 26.4	+1.6
GROC	Groznyy	88.05	314	eP	P	04 37 24.3	-0.9
GROC	Groznyy			ePP	PwP	04 37 38.6	0.0
GROC	Groznyy			eS	SKSac	04 47 46.9	-4.9
GROC	Groznyy			e		04 48 06.7	
HLID	Hailey	88.14	46	PFAKE	LR	04 37 40.0	+14
HLID	Hailey			LR	LR		
BLID	Hailey	88.14	46	P	P	04 37 26.6	+0.7
BFS	Mount Baldy Ra	88.18	55	P	P	04 37 26.1	-0.1
FURC	Furnace Creek	88.24	53	P	P	04 37 26.3	0.0
VRH	Novokhoporsky	88.29	322	eP	P	04 37 24.4	-1.8
VRH	Novokhoporsky			Pmax	Pmax		
ELK	Elko	88.33	49	PFAKE	LR	04 37 40.0	+13
ELK	Elko			LR	LR		
MSF	Maasalka	88.37	338	P	P	04 37 25.2	-1.1
MSF	Maasalka			Pmax	Pmax		
RRX	Edison Barstow	88.55	55	P	P	04 37 28.2	+0.3
GSC	Goldstone, Bar	88.59	54	P	P	04 37 28.0	-0.1
TPNV	Topopah Spring	88.59	52	PFAKE	LR	04 37 40.0	+12
TPNV	Topopah Spring			LR	LR		
TPNV	Topopah Spring	88.59	52	P	P	04 37 27.0	-1.2
KTK1	Kautokino	88.62	342	eP	P	04 37 27.6	+0.2
MURC	Murrieta	88.72	56	P	P	04 37 28.9	+0.2
R11A	Troy Canyon, C	88.73	51	PFAKE	LR	04 37 40.0	+11
R11A	Troy Canyon, C			LR	LR		
R11A	Troy Canyon, C	88.73	51	P	P	04 37 29.0	+0.2
SHOC	Shoshone, Teco	88.85	53	P	P	04 37 29.5	+0.2
109C	Camp Elliot, M	88.97	57	P	P	04 37 29.3	-0.5
CPE	Camp Elliot	88.97	57	PFAKE	LR	04 37 40.0	+10
CPE	Camp Elliot			LR	LR		
MOS	Moscow	89.00	327	eP	P	04 37 27.3	-2.1
MOS	Moscow			eS	SKSac	04 47 53.3	-3.6
MOS	Moscow			Pmax	Pmax		
MOS	Moscow			Pmax	Pmax		
MOS	Moscow			MLR	MLR		
HEC	Hector, Ludlow	89.09	55	P	P	04 37 30.5	0.0
TUQ	Turquoise Moun	89.25	54	P	P	04 37 31.2	0.0
PFO	Pinyon Flats O	89.31	56	P	P	04 37 31.1	-0.5
PFO	Pinyon Flats O			Pmax	Pmax		
PFO	Pinyon Flats O	89.31	56	eP	P	04 37 33.4	+1.9
PFO	Pinyon Flats O			Pmax	Pmax		
PFO	Pinyon Flats O			MLR	MLR		
PFO	Pinyon Flats O	89.31	56	P	P	04 37 30.0	-1.5
BAR	Barrett	89.38	57	eP	P	04 37 32.7	+0.9
GOF	Golfskoye	89.40	316	eP	Pmax	04 37 30.8	-0.8
GOF	Golfskoye			Pmax	Pmax		
BOZ	Bozeman (W)	89.44	43	PFAKE	LR	04 37 40.0	+8.1
BOZ	Bozeman (W)			LR	LR		
BOZ	Bozeman (W)	89.44	43	P	P	04 37 32.7	+0.7
LPSR	Galich ya Gora	89.44	324	eP	Pmax	04 37 30.2	-1.4
LPSR	Galich ya Gora			Pmax	Pmax		
TRO	Tromso	89.48	344	eP	P	04 37 31.7	+0.3
NCK	Nalchik	89.50	315	eP	Pmax	04 37 32.3	+0.2
NCK	Nalchik			Pmax	Pmax		
ZEI	Tsey	89.50	314	eP	Pmax	04 37 28.5	-3.9
ZEI	Tsey			Pmax	Pmax		
MONP2	Monument Peak	89.53	56	P	P	04 37 32.9	+0.2
BELC	Belle Mtn. Jos	89.58	55	P	P	04 37 33.7	+0.8
GMRC	Granite Mounta	89.63	54	P	P	04 37 34.5	+1.4
GNI	Garni	89.68	311	LR	LR	05 21 48.7	
GNI	Garni	89.68	311	PFAKE	LR	04 37 40.0	+6.8
GNI	Garni			LR	LR		
OBN	Obninsk	89.79	327	PFAKE	LR	04 37 50.0	+17
OBN	Obninsk			LR	LR		
OBN	Obninsk	89.79	327	eP	P	04 37 32.0	-1.1
OBN	Obninsk			ePP	PwP	04 37 45.6	-1.1
OBN	Obninsk			eS	SKSac	04 48 00.1	-1.5
OBN	Obninsk			e		04 50 02.4	
OBN	Obninsk			SSS	SSS	04 58 00.0	
OBN	Obninsk			Pmax	Pmax		
OBN	Obninsk			MLR	MLR		
VSR	Storozhevoye	89.80	323	eP	P	04 37 31.9	-1.4
VSR	Storozhevoye			Pmax	Pmax		
VORD	Divnogorie	89.81	323	eP	P	04 37 30.9	-2.4
VORD	Divnogorie			Pmax	Pmax		
IKP	In-Ko-Pah, Jac	89.85	57	P	P	04 37 34.5	+0.4
EGMT	Eagleton	89.87	40	PFAKE	LR	04 37 50.0	+16
EGMT	Eagleton			LR	LR		
EGMT	Eagleton	89.87	40	P	P	04 37 34.2	+0.4
KBZ	Khabaz	89.91	315	P	P	04 37 33.4	-0.5
KBZ	Khabaz			LR	LR	05 22 42.4	
KVAR	Kislovodsk Arr	89.98	315	P	P	04 37 35.5	+1.0
PSUT	Pine Spring	89.98	50	eP	P	04 37 35.5	+0.8
KIV	Kislovodsk	89.99	315	eP	P	04 37 34.1	-0.4
KIV	Kislovodsk			LR	LR		
KIV	Kislovodsk	89.99	315	eP	P	04 37 33.7	-0.8
KIV	Kislovodsk			eP	PPP	04 43 04.1	
KIV	Kislovodsk			eSS	SS	04 54 23.1	-0.3
KIV	Kislovodsk			Pmax	Pmax		
KIV	Kislovodsk			Pmax	Pmax		
SWSC	Sam W. Stewart	90.02	56	P	P	04 37 35.1	+0.3
BC3	Big Chuckawall	90.11	55	P	P	04 37 34.4	-0.8

NEY	Neytrino	90.18	315	eP	P	04 37 35.8	+0.3
NEY	Neytrino			Pmax	Pmax		
IRM	Iron Mountain	90.21	55	P	P	04 37 36.1	+0.4
DUG	Dugway, Tooele	90.26	49	PFAKE	LR	04 37 50.0	+14
DUG	Dugway, Tooele			LR	LR		
DUG	Dugway, Tooele	90.26	49	P	P	04 37 35.7	-0.3
IMW	Indian Meadow	90.44	45	PFAKE	LR	04 37 50.0	+13
IMW	Indian Meadow			LR	LR		
H17A	Grant Village	90.53	44	P	P	04 37 36.6	-0.6
FLWY	Flagg Ranch	90.55	44	PFAKE	LR	04 37 50.0	+13
FLWY	Flagg Ranch			LR	LR		
TPAW	Teton Pass	90.56	45	PFAKE	LR	04 37 50.0	+13
TPAW	Teton Pass			LR	LR		
MOOV	Moose Ponds	90.62	45	PFAKE	LR	04 37 50.0	+12
MOOV	Moose Ponds			LR	LR		
REDW	Red Top Meadow	90.67	45	PFAKE	LR	04 37 50.0	+12
REDW	Red Top Meadow			LR	LR		
AHID	Auburn Hatcher	90.69	46	PFAKE	LR	04 37 50.0	+12
AHID	Auburn Hatcher			LR	LR		
SNOW	Snow King Moun	90.71	45	PFAKE	LR	04 37 50.0	+12
SNOW	Snow King Moun			LR	LR		
HWUT	Hardware Ranch	90.73	47	PFAKE	LR	04 37 50.0	+12
HWUT	Hardware Ranch			LR	LR		
GLA	Glamis	90.78	56	P	P	04 37 38.9	+0.6
Y12C	Blythe	90.82	55	PFAKE	LR	04 37 50.0	+12
Y12C	Blythe			LR	LR		
Y12C	Blythe	90.82	55	P	P	04 37 38.9	+0.4
PDMCI	Parker Dam, Lak	90.97	55	P	P	04 37 40.6	+1.5
SUF	Sumaiainen	91.09	336	P	Pmax	04 37 37.4	-1.6
SUF	Sumaiainen			Pmax	Pmax		
RLMT	Red Lodge	91.16	43	PFAKE	LR	04 37 50.0	+10
RLMT	Red Lodge			LR	LR		
RLMT	Red Lodge	91.16	43	P	P	04 37 40.3	+0.2
STEI	Steigen	91.61	343	eP	P	04 37 42.4	+1.0
BW06	Boulder Array	91.76	45	PFAKE	LR	04 37 50.0	+7.0
BW06	Boulder Array			LR	LR		
BW06	Boulder Array	91.76	45	P	P	04 37 42.8	-0.2
PDAR	Pinedale Array	91.76	45	P	P	04 37 43.9	+0.9
PDAR	Pinedale Array			LR	LR	05 15 43.5	
FFC	Flin Flon	91.78	32	eP	P	04 37 43.1	+0.7
FFC	Flin Flon			LR	LR		
FFC	Flin Flon	91.78	32	eP	P	04 37 43.1	+0.7
FFC	Flin Flon			Pmax	Pmax		
FFC	Flin Flon			MLR	MLR		
FINES	FINES Array B	91.80	335	P	P	04 37 41.1	-1.2
FINES	FINES Array B			LR	LR	05 22 38.7	
SOC	Sochi	92.14	316	eP	P	04 37 38.5	-5.8
SOC	Sochi			ePPP	PPP	04 43 27.5	
SOC	Sochi			eS	SKSac	04 48 06.1	-9.4
SOC	Sochi			eSS	SS	04 54 58.8	+4.6
SOC	Sochi			eSSS	SSS	04 58 27.2	
LAO	LASA Array	92.58	41	PFAKE	LR	04 38 00.0	+14
LAO	LASA Array			LR	LR		
LAO	LASA Array	92.58	41	P	P	04 37 47.0	+0.5
214A	Organ Pipe Nat	92.72	56	P	P	04 37 48.0	+0.7
WUAZ	Wupatki	92.78	53	PFAKE	LR	04 38 00.0	+12
WUAZ	Wupatki			LR	LR		
WUAZ	Wupatki	92.78	53	P	P	04 37 47.7	-0.1
MOR8	Moi Rana	93.03	342	eP	P	04 37 48.2	+0.2
X16A	Lo Mia Camp, P	93.07	54	PFAKE	LR	04 38 00.0	+11
X16A	Lo Mia Camp, P			LR	LR		
VSU	Vasula	93.08	333	eP	IAMB	04 37 47.0	-1.4
VSU	Vasula			IAMB	IAMB	04 37 49.3	
VSU	Vasula	93.08	333	eP	Pmax	04 37 47.1	-1.2
VSU	Vasula			Pmax	Pmax		
DGMT	Dagmar	93.15	39	PFAKE	LR	04 38 00.0	+11
DGMT	Dagmar			LR	LR		
KONS	Konsvik	93.19	343	eP	P	04 37 49.5	+0.8
O20A	White River Ci	93.59	48	eP	P	04 37 52.3	+0.9
O20A	White River Ci			LR	LR		
O20A	White River Ci	93.59	48				

CLL	eSdif	Sdif	04 50 18.0	-5.4
CLL	ePPS	PPS	04 52 06.0	+2.7
CLL	eSS	SS	04 57 48.0	+1.2
CLL	eSSSS		05 05 18.0	
CLL	e		05 07 24.0	
CLL	Lm	MLR	05 33 00.0	
CLL	comp=N,400nm,19.2s			
CLL	comp=E,200nm,18.8s			
CLL	comp=Z,700nm,20.0s			
GOPC	GO Pecny, Ondr	103.77 330	eP	Pdif
GOPC	comp=Z,500nm,18.2s		MLR	AMS
GOPC	GO Pecny, Ondr	103.77 330	ePDIFF	Pdif
GOPC	comp=Z,700nm,19.4s		AMS	AMS
TREC	Trest	1 103.83 329	AMS	AMS
PRU	Pruhonic	103.84 330	AMS	AMS
I41A	Arkdale	103.96 38	PFAKE	LR
I41A	comp=Z,500nm,22.0s			
L40A	Anamosa	104.24 40	PFAKE	LR
L40A	comp=Z,500nm,20.0s			
E43A	Lone Tree Farm	104.26 35	PFAKE	LR
E43A	comp=Z,500nm,20.0s			
KARP	Karpathos	104.26 312	PFAKE	LR
KARP	comp=Z,37um,21.0s			
JFWS	Jewell Farm	104.37 39	PFAKE	LR
JFWS	comp=Z,500nm,20.0s			
I42A	Draeger Farm,	104.62 37	PFAKE	LR
I42A	comp=Z,600nm,22.0s			
E44A	Grand Marais A	104.70 34	PFAKE	LR
E44A	comp=Z,700nm,19.0s			
KHC	Kasperske Hory	104.88 330	eP	Pdif
KHC	comp=Z,700nm,20.9s		MLR	AMS
KHC	Kasperske Hory	104.88 330	ePDIFF	Pdif
KHC	comp=Z,700nm,20.9s		AMS	AMS
H43A	Windswept, Lux	104.96 36	PFAKE	LR
H43A	comp=Z,800nm,19.0s			
GEC2	GERESS Array S	105.01 329	PFAKE	LR
GEC2	comp=Z,600nm,18.0s			
L42A	Oliver, Polo	105.24 39	PFAKE	LR
L42A	comp=Z,400nm,20.0s			
GRA1	Grabenberg Arr	105.64 331	PFAKE	LR
GRA1	comp=Z,600nm,20.0s			
K43A	Burlington	105.65 38	PFAKE	LR
K43A	comp=Z,500nm,21.0s			
E46A	Sault Ste Mari	105.73 33	PFAKE	LR
E46A	comp=Z,700nm,20.0s			
BLY	Banja Luka	105.76 325	PFAKE	LR
BLY	comp=Z,700nm,20.0s			
G45A	Suttons Bay	105.82 35	PFAKE	LR
G45A	comp=Z,700nm,20.0s			
TTG	Podgorica	105.92 322	PFAKE	LR
TTG	comp=Z,400nm,20.0s			
W39A	Magazine	106.06 47	PFAKE	LR
W39A	comp=Z,400nm,20.0s			
I45A	Fountain	106.10 36	PFAKE	LR
I45A	comp=Z,800nm,19.0s			
TIR	Tirane	106.17 320	PFAKE	LR
TIR	comp=Z,500nm,21.0s			
HDL	Hopedale	106.28 40	PFAKE	LR
HDL	comp=Z,300nm,20.0s			
CCM	Cathedral Cave	106.36 44	PFAKE	LR
CCM	comp=Z,300nm,19.0s			
J45A	Montague	106.38 37	PFAKE	LR
J45A	comp=Z,700nm,20.0s			
KVTX	Kingsville	106.39 56	PFAKE	LR
KVTX	comp=Z,700nm,18.0s			
MIAR	Mount Ida	106.52 48	PFAKE	LR
MIAR	comp=Z,700nm,20.0s			
GLMI	Grayling	106.53 35	PFAKE	LR
GLMI	comp=Z,600nm,20.0s			
M44A	Midewin, Midew	106.59 39	PFAKE	LR
M44A	comp=Z,600nm,20.0s			
EKA	Eskdalemuir Ar	106.82 342	PP	PP
EKA	comp=Z,0.7nm,0.7s,baz=41,slo=9.0,SNR=5.5			
ESK	Eskdalemuir	106.85 342	PFAKE	LR
ESK	comp=Z,300nm,20.0s			
SCHQ	Schefferville	106.91 19	PFAKE	LR
SCHQ	comp=Z,300nm,20.0s			
HKT	Hockley	106.98 53	PFAKE	LR
HKT	comp=Z,600nm,19.0s			
NATX	Nacogdoches	107.05 51	PFAKE	LR
NATX	comp=Z,500nm,19.0s			
X40A	Basin Creek Fa	107.09 47	PFAKE	LR
X40A	comp=Z,700nm,19.0s			
I47A	Gladwin	107.09 35	PFAKE	LR
I47A	comp=Z,1um,20.0s			
STU	Stuttgart	107.23 331	PFAKE	LR
STU	comp=Z,500nm,18.0s			
L46A	Eue Claire	107.28 38	PFAKE	LR
L46A	comp=Z,600nm,19.0s			
J47A	Sunmer	107.40 36	PFAKE	LR
J47A	comp=Z,800nm,19.0s			
SFIN	Lafayette	107.76 40	PFAKE	LR
SFIN	comp=Z,600nm,20.0s			
WLF	Walterdange	107.94 334	PFAKE	LR
WLF	comp=Z,2um,18.0s			
BFO	Black Forest	107.95 332	PFAKE	LR
BFO	comp=Z,500nm,18.0s			
J48A	Bridge Port	107.96 36	PFAKE	LR
J48A	comp=Z,900nm,20.0s			
VLD0	Val d'Or	107.99 29	PFAKE	LR
VLD0	comp=Z,600nm,20.0s			
KMBO	Kilima Mbogo	108.07 273	PFAKE	LR
KMBO	comp=Z,300nm,19.0s			
I49A	Point Hope	108.09 35	PFAKE	LR
I49A	comp=Z,600nm,19.0s			
FUORN	Ofenpass-Fuorn	108.22 329	PFAKE	LR
FUORN	comp=Z,700nm,18.0s			
D53A	Lac Vacive, Po	108.61 30	PFAKE	LR
D53A	comp=Z,600nm,20.0s			
AAM	Ann Arbor	108.66 36	PFAKE	LR
AAM	comp=Z,800nm,19.0s			

K50A	comp=Z,800nm,19.0s	Casco	108.95 35	PFAKE	LR	LR	04 43 20.0 +16
K50A	comp=Z,900nm,20.0s	Columbus Grove	109.20 38	PFAKE	LR	LR	04 43 20.0 +15
N49A	comp=Z,600nm,22.0s	Timpagrande	109.36 320	PFAKE	LR	LR	04 43 20.0 +15
TIP	comp=Z,300nm,21.0s	L'Aquila	109.40 324	PFAKE	LR	LR	04 43 20.0 +15
AQU	comp=Z,600nm,21.0s	Oxford	109.50 46	PFAKE	LR	LR	04 43 20.0 +14
AQU	comp=Z,700nm,20.0s	Wyandotte Cave	109.51 41	PFAKE	LR	LR	04 43 20.0 +14
WCI	comp=Z,500nm,19.0s	Covington	109.56 38	PFAKE	LR	LR	04 43 20.0 +14
WCI	comp=Z,600nm,21.0s	Fremont	109.58 37	PFAKE	LR	LR	04 43 20.0 +14
M50A	comp=Z,600nm,21.0s	Sharon Grove	109.70 43	PFAKE	LR	LR	04 43 20.0 +14
M50A	comp=Z,400nm,21.0s	Waverly	109.70 44	PFAKE	LR	LR	04 43 20.0 +14
T47A	comp=Z,500nm,20.0s	Villacollemand	109.86 327	PFAKE	LR	LR	04 43 20.0 +14
T47A	comp=Z,500nm,20.0s	Vicksburg	109.90 48	PFAKE	LR	LR	04 43 20.0 +14
VLC	comp=Z,700nm,19.0s	Pickwick Lake	110.17 45	PFAKE	LR	LR	04 43 20.0 +13
VLC	comp=Z,400nm,20.0s	Ashland	110.28 37	PFAKE	LR	LR	04 43 20.0 +13
N51A	comp=Z,600nm,20.0s	Alum Creek Sta	110.35 38	PFAKE	LR	LR	04 43 20.0 +13
ACSO	comp=Z,600nm,22.0s	Plevna	110.37 31	PFAKE	LR	LR	04 43 20.0 +13
ACSO	comp=Z,700nm,19.0s	Chesterland	110.46 36	PFAKE	LR	LR	04 43 20.0 +13
PLVO	comp=Z,1um,20.0s	Edmonton	110.66 42	PFAKE	LR	LR	04 43 20.0 +12
PLVO	comp=Z,400nm,19.0s	Paris	110.73 40	PFAKE	LR	LR	04 43 20.0 +12
M52A	comp=Z,400nm,18.0s	Appleton	110.80 33	PFAKE	LR	LR	04 43 20.0 +12
M52A	comp=Z,700nm,20.0s	Erie	110.85 35	PFAKE	LR	LR	04 43 20.0 +12
T49A	comp=Z,900nm,20.0s	Chambon-Foret	110.86 335	PFAKE	LR	LR	04 43 20.0 +12
T49A	comp=Z,800nm,18.0s	Peebles	110.88 39	PFAKE	LR	LR	04 43 20.0 +12
R50A	comp=Z,500nm,20.0s	Bardonecchia	111.10 330	PFAKE	LR	LR	04 43 20.0 +11
R50A	comp=Z,800nm,18.0s	Hartselle	111.17 45	PFAKE	LR	LR	04 43 20.0 +11
J54A	comp=Z,600nm,22.0s	Lisbon	111.24 36	PFAKE	LR	LR	04 43 20.0 +11
J54A	comp=Z,900nm,19.0s	Beattyville	111.58 40	PFAKE	LR	LR	04 43 20.0 +10
ERPA	comp=Z,400nm,20.0s	Moraine State	111.62 36	PFAKE	LR	LR	04 43 20.0 +10
ERPA	comp=Z,1um,19.0s	Whipple	111.77 38	PFAKE	LR	LR	04 43 20.0 +10
ERPA	comp=Z,600nm,21.0s	Signal Mountai	111.91 43	PFAKE	LR	LR	04 43 20.0 +10
CLF	comp=Z,400nm,20.0s	Blount Mountai	111.93 45	PFAKE	LR	LR	04 43 20.0 +10
CLF	comp=Z,700nm,20.0s	Lakeview Retre	111.98 46	PFAKE	LR	LR	04 43 20.0 +10
Q51A	comp=Z,500nm,20.0s	Hurricane	112.17 39	PFAKE	LR	LR	04 43 20.0 +9.4
Q51A	comp=Z,600nm,20.0s	Loudon	112.19 42	PFAKE	LR	LR	04 43 20.0 +9.2
BNI	comp=Z,400nm,20.0s	Tazewell	112.27 41	PFAKE	LR	LR	04 43 20.0 +9.1
BNI	comp=Z,400nm,19.0s	Marion Center	112.31 35	PFAKE	LR	LR	04 43 20.0 +9.1
X48A	comp=Z,900nm,20.0s	Coxs Mills	112.42 38	PFAKE	LR	LR	04 43 20.0 +8.9
X48A	comp=Z,700nm,22.0s	Mont Chateau	112.56 37	PFAKE	LR	LR	04 43 20.0 +8.7
N53A	comp=Z,400nm,20.0s	Calhoun	112.59 44	PFAKE	LR	LR	04 43 20.0 +8.5
N53A	comp=Z,400nm,20.0s	Ashland	112.61 45	PFAKE	LR	LR	04 43 20.0 +8.4
SS1A	comp=Z,600nm,20.0s	Sevierville	112.66 42	PFAKE	LR	LR	04 43 20.0 +8.3
SS1A	comp=Z,300nm,20.0s	Wied Dalam	112.78 318	PFAKE	LR	LR	04 43 20.0 +8.2
N54A	comp=Z,200nm,19.0s	Murphy	112.89 43	PFAKE	LR	LR	04 43 20.0 +7.8
N54A	comp=Z,300nm,20.0s	Binghamton	112.94 32	PFAKE	LR	LR	04 43 20.0 +8.0
P53A	comp=Z,700nm,19.0s	Brewton	112.97 48	PFAKE	LR	LR	04 43 20.0 +7.7
P53A	comp=Z,700nm,22.0s	Standing Stone	113.02 35	PFAKE	LR	LR	04 43 20.0 +7.8
W50A	comp=Z,700nm,19.0s	Grady	113.08 47	PFAKE	LR	LR	04 43 20.0 +7.5
W50A	comp=Z,400nm,21.0s	Saluda	113.28 41	PFAKE	LR	LR	04 43 30.0 +17
Y49A	comp=Z,400nm,19.0s	Marlinton	113.30 38	PFAKE	LR	LR	04 43 30.0 +17
Y49A	comp=Z,500nm,20.0s	Nelsons Funny	113.38 40	PFAKE	LR	LR	04 43 30.0 +17
LRAL	comp=Z,500nm,20.0s	Lilburn	113.53 44	PFAKE	LR	LR	04 43 30.0 +17
LRAL	comp=Z,300nm,19.0s	Waverly Hall	113.78 45	PFAKE	LR	LR	04 43 30.0 +16
LRL	comp=Z,600nm,20.0s	Blacksburg	113.81 39	PFAKE	LR	LR	04 43 30.0 +16
LRL	comp=Z,500nm,20.0s	State Game Lan	113.97 33	PFAKE	LR	LR	04 43 30.0 +16
R53A	comp=Z,800nm,20.0s	Godfrey	114.20 44	PFAKE	LR	LR	04 43 30.0 +15
R53A							

MBAR	comp=Z,500nm,19.0s	Mbarara	114.28 275	PFAKE	LR	LR	04 43 30.0 +14
MBAR	comp=Z,700nm,21.0s	Blakely	114.31 46	PFAKE	LR	LR	04 43 30.0 +15
352A	comp=Z,400nm,19.0s	Dark Hollow, R	114.34 38	PFAKE	LR	LR	04 43 30.0 +15
352A	comp=Z,500nm,19.0s	Americus	114.53 45	PFAKE	LR	LR	04 43 30.0 +15
S57A	comp=Z,600nm,20.0s	Mocksville	114.66 40	PFAKE	LR	LR	04 43 30.0 +15
S57A	comp=Z,600nm,20.0s	Corbin Frederi	114.97 36	PFAKE	LR	LR	04 43 30.0 +14
S57A	comp=Z,1um,20.0s	Poland Farm, P	114.97 37	PFAKE	LR	LR	04 43 30.0 +14
253A	comp=Z,600nm,20.0s	Jenkinville	115.13 42	PFAKE	LR	LR	04 43 30.0 +14
253A	comp=Z,400nm,20.0s	Yale	115.15 31	PFAKE	LR	LR	04 43 30.0 +14
V56A	comp=Z,700nm,22.0s	Tifton	115.27 46	PFAKE	LR	LR	04 43 30.0 +13
V56A	comp=Z,500nm,19.0s	Gilead	115.40 40	PFAKE	LR	LR	04 43 30.0 +13
CBN	comp=Z,500nm,20.0s	Double "B" Far	115.70 37	PFAKE	LR	LR	04 43 30.0 +13
CBN	comp=Z,500nm,20.0s	Hazlehurst	115.75 45	PFAKE	LR	LR	04 43 30.0 +12
S58A	comp=Z,800nm,20.0s	Sumter	115.86 42	PFAKE	LR	LR	04 43 30.0 +12
S58A	comp=Z,300nm,19.0s	Littleton	115.97 38	PFAKE	LR	LR	04 43 30.0 +12
JSC	comp=Z,700nm,22.0s	Surry	116.06 37	PFAKE	LR	LR	04 43 30.0 +12
JSC	comp=Z,900nm,19.0s	Kesra	116.11 321	PFAKE	LR	LR	04 43 30.0 +12
YLE	comp=Z,400nm,20.0s	Rowland	116.19 40	PFAKE	LR	LR	04 43 30.0 +12
YLE	comp=Z,500nm,19.0s	Scranton	116.40 41	PFAKE	LR	LR	04 43 30.0 +11
TIGA	comp=Z,500nm,19.0s	New Hope	116.57 42	PFAKE	LR	LR	04 43 30.0 +11
TIGA	comp=Z,400nm,20.0s	Halifax	116.64 23	PFAKE	LR	LR	04 43 30.0 +11
W57A	comp=Z,800nm,21.0s	Cliffs of the	116.65 39	PFAKE	LR	LR	04 43 30.0 +11
W57A	comp=Z,500nm,20.0s	Skidaway Islan	116.70 44	PFAKE	LR	LR	04 43 30.0 +11

VGBI	Virgin Gorda,	0.37 339	eS	Sb	04 25 40.9 +0.8
ABV	Anegada,	0.59 354j	eP	Pn	04 25 38.5 -1.5
ABV	Anegada	0.59 354j	eP	Pn	04 25 38.5 -1.5
ABV					04 25 46.3 0.0
ABVI	Anegada Island	0.59 354	ePn	Pn	04 25 38.5 -1.5
ABVI					04 25 46.3 -1.5
ABVI					04 25 46.3 0.0
ABVI					04 25 46.3 0.0
STVI	Saint Thomas	0.69 288f	eP	Pb	04 25 39.8 +0.4
STVI	Saint Thomas	0.69 288f	eP	Pb	04 25 39.8 +0.4
STVI					04 25 49.5 +0.4
STVI	Saint Thomas	0.69 288f	eP	Pb	04 25 39.8 +0.4
CUPR	Culebra, Puert	0.98 280f	eP	Pg	04 25 44.3 +0.3
CUPR	Culebra, Puert	0.98 280	eS	Sg	04 25 56.9 +0.2
SABA	Saba	1.10 118f	ePn	Pn	04 25 46.5 +0.1
SABA	Saba	1.10 118	ePn	Pn	04 26 00.0 0.0
SABA	Saba	1.10 118f	ePn	Pn	04 25 46.5 +0.1
SABA	Saba				04 26 00.0 0.0
SMRT	St. Maarten	1.14 94f	eP	Pg	04 25 46.6 -0.4
SMRT	St. Maarten	1.14 94	ePn	Pg	04 25 46.6 -0.4
SMRT	St. Maarten	1.14 94f	ePn	Pg	04 25 46.6 -0.4
SMRT	St. Maarten	1.14 94f	ePn	Pg	04 26 01.1 -0.7
MTP	Monte Pirata	1.22 268f	eP	Pb	04 25 47.7 -0.9
MTP	Monte Pirata	1.22 268f	eP	Pb	04 25 47.7 -0.9
MTP					04 26 02.0 -1.3
SEUS	St. Eustatius	1.39 118	ePn	Pn	04 25 53.5 +0.7
CBYP	Canovanas	1.52 275f	ePn	Pn	04 25 53.5 +0.7
CBYP	Canovanas	1.52 275	ePn	Pn	04 25 53.5 +0.7
CBYP	Canovanas	1.52 275f	ePn	Pn	04 25 53.5 +0.7
SKI	Saint Kitts	1.66 119	ePn	Pn	04 25 54.8 0.0
PDPR	Patillas Dam,	1.68 266f	eP	Pn	04 25 54.9 0.0
IGPR	Interuniversit	1.76 265f	eP	Pn	04 25 55.3 -0.8
SJG	San Juan	1.79 269f	eP	Pn	04 25 56.9 +0.3
SJG	San Juan	1.79 269	ePn	Pn	04 25 58.4 +0.1
SJG	San Juan	1.79 269f	ePn	Pn	04 25 58.4 +0.1
SJG	San Juan	1.79 269f	ePn	Pn	04 25 57.9 -0.5
SJG	San Juan	1.79 269f	ePn	Pn	04 25 56.9 +0.3
SJG	San Juan	1.79 269f	ePn	Pn	04 26 02.0 +0.4
EMPR	Esperanza - Ma	2.18 279f	ePn	Pn	04 26 02.0 +0.4
EMPR	Esperanza - Ma	2.18 279	eS	Sn	04 26 28.9 -0.1
EMPR	Esperanza - Ma	2.18 279	ePn	Pn	04 26 02.0 +0.4
EMPR	Esperanza - Ma	2.18 279f	ePn	Pn	04 26 28.9 -0.1
CELP	Cerrillos	2.20 269f	ePn	Pn	04 26 02.4 +0.2
CELP	Cerrillos	2.20 269	eS	Sn	04 26 27.3 -2.4
CELP	Cerrillos	2.20 269f	ePn	Pn	04 26 02.4 +0.2
CELP	Cerrillos	2.20 269f	ePn	Pn	04 26 27.3 -2.4
OBIP	Obispado Ponce	2.23 268f	ePn	Pn	04 26 02.1 -0.5
OBIP	Obispado Ponce	2.23 268	eS	Sn	04 26 27.8 -2.6
OBIP	Obispado Ponce	2.23 268f	ePn	Pn	04 26 02.1 -0.5
OBIP	Obispado Ponce	2.23 268f	ePn	Pn	04 26 27.8 -2.6
ANWB	Willy Bob	2.41 101	ePn	Pn	04 26 05.0 0.0
ANWB	Willy Bob	2.41 101	ePn	Pn	04 26 04.0 -0.2
MLPR	Magueyes Islan	2.65 267f	ePn	Pn	04 26 09.2 +0.2
LSP	Las Mesas	2.68 271f	ePn	Pn	04 26 09.2 +0.4
LSP	Las Mesas	2.68 271	ePn	Pn	04 26 09.2 +0.4
LSP	Las Mesas	2.68 271f	ePn	Pn	04 26 09.2 +0.4
CRPR	Cabo Rojo, PR	2.71 268f	ePn	Pn	04 26 09.2 0.0
CRPR	Cabo Rojo, PR	2.71 268f	ePn	Pn	04 26 09.2 0.0
AGPR	Aguadilla, PR	2.72 277f	ePn	Pn	04 26 09.8 +0.5
AGPR	Aguadilla, PR	2.72 277f	ePn	Pn	04 26 09.8 +0.5
AGPR	Aguadilla, PR	2.72 277f	ePn	Pn	04 26 43.2 +0.7
AGP	Aguadilla	2.74 276	ePn	Pn	04 26 09.8 +0.2
AGP	Aguadilla	2.74 276	ePn	Pn	04 26 43.2 +0.1
HGSN1	Guadeloupe/Mar	3.56 120	Sn	Sn	04 27 03.6 +0.2
MAGL	Barre de l'ile	3.59 127	eP	Pn	04 26 22.6 +1.3
PCDR	Punta Cana, DR	3.93 276f	ePn	Pn	04 26 25.2 -0.7
PCDR	Punta Cana, DR	3.93 276	ePn	Pn	04 26 25.2 -0.7
PCDR	Punta Cana, DR	3.93 276f	ePn	Pn	04 26 32.4 -0.4
PCM	Pelee Case Pet	4.42 138	eP	Pn	04 26 32.4 -0.4
BAMF	Morre Balai	4.46 137	eP	Pn	04 26 32.2 +0.8
GBMF	Grand Be	4.46 138	eP	Pn	04 26 32.7 +0.3
BIM	Bigot	4.73 139	eP	Pn	04 26 37.1 0.0
DR12	Loma Pena Alta	4.90 278f	ePn	Pn	04 26 40.3 +1.0
DR12	Loma Pena Alta	4.90 278	eS	Sn	04 27 03.0 -4.5
H05S1	Guadeloupe/Mar	4.95 138	Sn	Sn	04 27 33.0 -4.5
H05S1	Guadeloupe/Mar	4.95 138	Sn	Sn	04 27 19.3 -1.7
PCRV	Puerto La Cruz	7.93 183	Pn	Sn	04 28 47.0 -4.1
PCRV	Puerto La Cruz	7.93 183	Pn	Sn	04 28 47.0 -4.1
TKL	Tuckaleechee C	24.56 319	LR	LR	04 42 38.4
TXAR	Lajitas Array	37.59 295	P	P	04 32 42.7 +2.0
YKA	Yellowknife Ar	56.23 335	P	P	04 35 05.9 +0.2
YKBS	Yellowknife Ar	56.23 335	eP	P	04 35 05.9 +0.2
TOA1	Torodi Ar. Sit	63.43 84	eP	P	04 35 55.3 -0.9
TORD	Torodi Ar. Bea	63.43 84	eP	P	04 35 55.3 -0.9
ARCES	ARCES Array B	73.08 22	P	P	04 36 56.9 +1.2
KVAR	Kislovodsk Arr	89.25 18	LR	LR	05 17 30.2

LPAZ	La Paz	53.16 307	P	P	04 38 03.6 +0.5
LPAZ	La Paz	53.16 307	eP	P	04 38 04.1 +0.9
H10N1	ASCENSION HYDR53.25	15	T	T	05 36 49.3
H10N3	ASCENSION HYDR53.25	15	T	T	05 36 48.7
H10N2	ASCENSION HYDR53.25	17	T	T	05 36 50.7
PTGA	Pitinga	64.77 323	P	P	04 39 22.6 -0.4
DBIC	Dimbokro	69.06 23	eP	P	04 39 50.6 +0.4
DBIC	Dimbokro	69.06 23	eP	P	04 39 50.6 +0.4
TOAD	Torodi Ar. Sit	76.76 28	eP	P	04 40 36.3 +0.5
TORD	Torodi Ar. Bea	76.76 28	eP	P	04 40 36.8 +1.0
TOA1	Torodi Ar. Sit	76.77 28	eP	P	04 40 36.8 +1.0
HFS	Hagfors	124.22 23	PKP	PKP	04 47 40.9 -0.8
NB200	NORSAR Array S	124.60 21	ePKPdf	PKP	04 47 43.6 +0.9
NOA	NORSAR Array B	124.60 21	PKP	PKP	04 47 43.6 +0.9
FIAD	FINES Array S	128.11 29	ePKPdf	PKP	04 47 49.1 +0.1
FINES	FINES Array B	128.11 29	PKP	PKP	04 47 49.1 +0.1
AKTO	Aktobyinsk	129.67 56	PKP	PKP	04 47 52.6 +0.3
ARCES	ARCES Array B	134.89 23	PKP	PKP	04 48 01.4 -0.3
YKA	Yellowknife Ar	139.49 314	PKP	PKP	04 48 09.9 -0.5
YKBS	Yellowknife Ar	139.49 314	ePKPdf	PKP	04 48 09.9 -0.5
INK	Inuvik	149.22 316	PKP	PKP	04 48 31.5 +0.2
DAWY	Dawson	149.74 306	ePKPbc	PKP	04 48 32.8 0.0
SONA	Songino Array	150.48 94	ePKPbc	PKP	04 48 36.1 +0.1
SONM	Songino Array	150.48 94	PKP	PKP	04 48 36.1 +0.1
KS15	Wonju Array S1	151.95 134	ePKPbc	PKP	04 48 38.4 -0.4
KSRS	Korea Array	151.97 134	PKPbc	PKP	04 48 38.4 -0.4
KDAA	Kodiak Island	152.72 289	PKPbc	PKP	04 48 41.2 +1.2
ILAR	Eielson Array	153.02 305	PKPbc	PKP	04 48 41.0 +0.5
ILB	Eielson Array	153.02 305	ePKPbc	PKP	04 48 41.0 +0.5

JMA 27 04:33:29.5:0.3,3974N×143:17E,h20km,3km,M3.6,Off east coast of Honshu

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
JTH	Tanohata	1.02 282	Op	04 33 48.0 -0.6	Pb
JTH	Miyoko	1.05 282	eS	04 34 01.5 -0.1	Pn
IMVJ	Warramunga Arr	34.35 187	P	04 33 49.5 +0.4	Pn
JKEN	Kujiedanarisawa	1.22 293	P	04 33 51.3 0.0	Pn
JANG	Nango	1.42 297	P	04 33 54.7 +0.5	Pn
JANG	Nango	1.42 297	eS	04 34 11.6 -0.7	Pn
JOM	Ohasama	1.48 260	P	04 33 55.6 -0.6	Pn
JOM	Ohasama	1.48 260	S	04 34 15.3 +0.8	Pn
JMK	Ichinoseki	1.71 243	S	04 33 58.0 +0.4	Pn
JMK	Ichinoseki	1.71 243	S	04 34 20.0 +0.7	Pn
JIO	Ouri	1.91 228	P	04 34 00.9 0.0	Pn
JIO	Ouri	1.91 228	eS	04 34 23.8 -0.6	Pn
JTM	Tenmabayashi	1.92 304	P	04 34 01.6 +0.6	Pn
JTM	Tenmabayashi	1.92 304	eP	04 34 25.1 +0.5	Pn
JRH	Rokugo	1.99 261	eP	04 34 03.6 -1.4	Pn
JRH	Rokugo	1.99 261	eS	04 34 28.1 -1.3	Pn
JRG	Hinai	2.00 284	P	04 34 03.6 +1.5	Pn
JRG	Hinai	2.00 284	eS	04 34 29.2 -0.8	Pn
JAH	Erimo	2.27 360	P	04 34 06.7 +0.4	Pn
JEM	Erimo	2.27 360	eS	04 34 42.2 +0.5	Pn
JYK	Kaneyama	2.33 250	P	04 34 08.1 +1.4	Pn

IDC 27 04:34:43.5:1.2,13:11N×144:55E,h0km,mb3.6/3, mb1.3/8.3,mb1mx3.4/5.1,mbtmp3.6/3, Error ellipse: s-maj=47.4km s-min=14.5km az=121.0,Mariana Islands

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
GUMO	Guam	0.56 33	Op	04 34 57.9 -0.9	Pn
GUMO	Guam	138nm,0.3s,baz=153,slow=14,SNR=21	Sn	04 35 10.8 +1.9	Pn
WRA	Warramunga Arr	34.35 187	P	04 41 30.8 -1.5	Pn
ASAR	Alice Springs	38.01 196	P	04 42 04.0 +0.4	Pn
MKAR	Makanchi Array	61.62 316	P	04 45 04.8 +1.8	Pn

SOF 27 04:38:28.5:39:39N-21:81E,h2km IDC 27 04:38:29.9:0.7,40:03N-21:75E,h0km,mb3.8/13, mb1.3/9.2,mb1mx3.8/4.2,mbtmp3.8/21,ML3.7/8,MS3.0/3, Ms1.3/0.3,ms1mx2.6/5.5, Error ellipse: s-maj=13.7km s-min=11.2km az=45.0

ISCJB 27 04:38:32.0:0.3,40:151N:0:008-21:87E:0:01,h6km,2km, mb4.1/22,MS4.0/2, Error ellipse: s-maj=1.6km s-min=1.3km az=151.5

ATH 27 04:38:32.0:0.4,12N-21:89E,h20km,ML3.8/37, Error ellipse: s-maj=1.0km s-min=0.5km az=342.0 TIR 27 04:38:32.3:0.4,22N-21:75E,h5km,Md4.2/7 THE 27 04:38:32.6:0.4,11N-21:89E,h0km,1km,ML3.8/40, Error ellipse: s-maj=1.0km s-min=0.4km az=11.0 BEO 27 04:38:32.7:0.5,40:08N-21:95E,h7km,2km,ML3.5/8 PDG 27 04:38:32.7:0.4,40:10N-21:90E,h12km,ML3.9/11, Error ellipse: s-maj=0.4km s-min=0.5km az=0.0 NEIC 27 04:38:33.8:0.0,40:14N-21:87E,h10km,mb4.3/5, ML4.1(1THE) After THE

ISC 27 04:38:32.6:0.9,40:11N:0:01-21:88E:0:01,h11km,6km, s=178,1850/490,mb4.1/22,18C-17D,Greenie

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
KZN	Kozani	0.22 337	Op	04 38 36.8 -0.4	Pg
KZN	Kozani	0.22 337	S	04 38 39.9 -0.4	Pg
KZN	Kozani	0.22 337	P	04 38 36.9 -0.4	Pg
KZN	Kozani	0.22 337	S	04 38 40.3 -0.1	Pg
KZN	Kozani	0.22 337	AML	04 38 40.4	Pg
KZN	Kozani	0.22 337	AML	04 38 40.5	Pg
KTI	Kastanea	0.34 32	P	04 38 39.7 +0.3	Pg
KPRO	Kipourio	0.43 249	S	04 38 40.6 -0.4	Pg
KPRO	Kipourio	0.43 249	P	04 38 47.1 +0.5	Pg
KPRO	Kipourio	0.43 249	P	04 38 40.7 -0.3	Pg
KPRO	Kipourio	0.43 249	S	04 38 47.1 +0.5	Pg
KPRO	Kipourio	0.43 249	AML	04 38 52.9	Pg
KPRO	Kipourio	0.43 249	AML	04 38 54.4	Pg
LIT	Litokhoron	0.47 91	eP	04 38 41.7 0.0	Pg
LIT	Litokhoron	0.47 91	P	04 38 41.7 0.0	Pg
LIT	Litokhoron	0.47 91	S	04 38 49.4 -0.4	Pg
LIT	Litokhoron	0.47 91	P	04 38 41.7 0.0	Pg
LIT	Litokhoron	0.47 91	AML	04 38 47.9 0.0	Pg
LIT	Litokhoron	0.47 91	AML	04 38 52.8	Pg
LIT	Litokhoron	0.47 91	AML	04 38 53.8	Pg
THL	Klokotos Trika	0.55 169	P	04 38 43.3 0.0	Pg
THL	Klokotos Trika	0.55 169	S	04 38 51.2 +0.7	Pg
THL	Klokotos Trika	0.55 169	P	04 38 43.4 0.0	Pg
THL	Klokotos Trika	0.55 169	S	04 38 51.4 +0.9	Pg
THL	Klokotos Trika	0.55 169	AML	04 38 56.3	Pg
THL	Klokotos Trika	0.55 169	AML	04 38 56.4	Pg
PENT	Pentalofos	0.58 279	P	04 38 43.0 -0.8	Pg
PENT	Pentalofos	0.58 279	S	04 38 52.0 +0.6	Pg
PENT	Pentalofos	0.58 279	P	04 3	

Table with columns: Name, Value, Unit, Status, Date, Time, Location, etc. Includes entries like LK2D, OUR, SRS, SRAI, KEK, etc.

Table with columns: Name, Value, Unit, Status, Date, Time, Location, etc. Includes entries like LOUT, ACOR, SKY, VLM, PUK, etc.

Table with columns: Name, Value, Unit, Status, Date, Time, Location, etc. Includes entries like TRUS, KIRK, KUBS, KAYS, DGB, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like MTJD, SOCV, BBSR, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like R58B, Z53A, GOGA, etc.

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

Table with columns: TOO, KSRs, KSRs, MJAR, LZH, LZH, LZH, HHC, HHC, HHC, USRK, USRK, GTA, GTA, GTA, SONAO, SONM, LBZ, BKZ, WMQ, WMQ, WMQ, WMQ, PETK, PEAF1, KSH, KSH, MK31, MKAR, ZALV, KURK, BRVK, SYO, RSO, ILAR, TORD, TOA1, GO03, CBCY, CPUP, CPUP, GBO1, PBO1, MNMC, LPAZ, LPAZ, LPAZ. Includes station names, coordinates, and various parameters.

GCG 27 06:58:14.8±0.4, 13.873N-91.98W, h29km, 205km, MD3.7, Near coast of Guatemala

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like Santiaguito 3, Fuego 3, Pacaya.

NNC 27 07:30:41.5±1.1, 41.78N-78.18E, h0km, 5km, mb3.8, mpv3.5, Error ellipse: s-maj=8.6km s-min=4.6km az=162.0, Suspected Mining explosion.

ISC 27 07:30:42.3±1.7, 41.84N-0.08-78.21E±0.05, h0km, n25, ±151/31, 4C-3D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like SATY, NNSS, NNSS, ULHL, KOTS, KURS, KURS, IZV, IZV, PDGK, PDGK, MTBS, MTBS, KST, KST, KTBS, KTBS, CHKK, CHKK, TKM2, TKM2, KZA, MNBS, MNBS, KTMS, DGS, DGS, ARXS, ARXS, ARKS.

Table with columns: KUU, KUU, KBK, DJR, DJR, UCH, AAK, AAK, KAPS, KAPS, KK31, KK31. Includes station names, coordinates, and various parameters.

IDC 27 07:37:19.3±0.7, 2.98S-129.98E, h0km, mb4.0/12, mb1.4/21.5, mb1mx4.0/4.1, mbtmp4.1/1.5, ML4.1/3, MS3.4/12, ML1.3/4.12, ms1mx3.2/2.0, Error ellipse: s-maj=25.4km s-min=15.1km az=83.0

ISCJB 27 07:37:21.9±0.3, 2.95S-129.96E±0.04, h25km, mb4.4/27, MS3.5/10, Error ellipse: s-maj=5.5km s-min=4.1km az=170.8

NEIC 27 07:37:25.9±3.0, 2.95S-129.91E, h34km, 4km, mb4.5/19, Error ellipse: s-maj=11.3km s-min=7.0km az=193.0, DJA 27 07:37:25.0±1.3, 3°S±4°13'0E, h24km, 13km, M4.6/13, mb4.9/3, mbA.9/1, MLV4.4/13, Mw(mB)4.2/1

ISC 27 07:37:24.5±0.4, 2.99S-129.97E±0.05, h25km, n64, ±28/65, mb4.6/27, MS3.3/10, Seram

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like MSAI, BNDI, AAI, FAKI, SIJI, SIJI, SWI, LBLAI, SANI, SAUI, BAKI, LUWI, MTN, KAPI, KAPI, DAV, COEN, WRAB, WRA, WRA, WB2, AS31, ASAR, ASAR, HNR, STKA, STKA, GSI, NJ2, NJ2, CM31, CMAR, CMAR, KMI, KMI, MJAR, MAJO, KSRs, LZH, LZH, LZH, HHC, HHC, HHC, USRK, USRK, SONAO, SONM, SONM, SONM, BKZ, WMQ, WMQ, PETK, PEAF1, MK31, MKAR, MKAR, MAK2, ZAAO, ZALV, ZALV, KURK, BRVK, BRVK.

Table with columns: UNV, MAW, MAW, ABKAR, AKTO, TTA, ILAR, ILB, KMBO, GO01, MNMC, LPAZ. Includes station names, coordinates, and various parameters.

NNC 27 07:40:21.4±0.6, 48.37N-70.20E, h0km, mb3.6, mpv3.4, 7C-5D, Error ellipse: s-maj=5.3km s-min=3.6km az=47.0, Suspected Mining explosion., Central Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like OTUK, OTUK, BTLS, BTLS, BRVK, BRVK, BRVK, KK31, KURBB, KUU, KUU, DGS, DGS, KTBS, KTBS, CHKK, CHKK, TKM2, ARXS, ARXS, AB31, AB31, IZV, IZV, KAPS, KAPS, KOTS, KOTS, KURS, KURS, SATY, SATY, MAK2, AKTO, MK31.

DDA 27 07:55:44.8, 40.65N-33.83E, h7km, 5km, ML2.5, ISK 27 07:55:46.5, 41.42N-33.61E, h21km, ML2.4/6, ISCJB 27 07:55:47.3±0.6, 41.40N±0.04-33.68E±0.05, h17km, 11km, Error ellipse: s-maj=6.4km s-min=5.9km az=19.9

ISC 27 07:55:47.0±1.3, 41.38N±0.04-33.68E±0.04, h19km, 4km, n11, ±95/16, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like ILGA, ILGA, BZK, KAGI, KAGI, SAFT, SAFT, CANT, CANT, KURC, ELDT, ELDT, DIKM, BCAM, BCAM, DELI, DELI, CORM.

IDC 27 08:10:50.8±9.5, 36.66N-70.92E, h162km, 66km, mb3.1/3, mb1.3/1.9, mb1mx2.9/4.7, mbtmp3.6/9, MS3.1/2, M1.3/2.2, ms1mx2.4/2.3, Error ellipse: s-maj=85.0km s-min=50.4km az=172.0

NNC 27 08:10:56.9±2.6, 37.03N-70.90E, h184km, 39km, mb2.7, mpv3.6, Error ellipse: s-maj=25.2km s-min=15.2km az=26.0

ISC 27 08:10:50.2±1.9, 36.77N-70.80E±0.1, h150km, n17, ±1919/20, mb3.3/3, 5C-3D, Hindu Kush region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC. Includes stations like KK31, AAK, AAK, AAK, AAK, AAK, TKM2, TKM2, MKAR.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like TEY, JHJ2, VLA, USR08, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like GTA, KMI, NONG, etc.

Table with columns: Call sign, Name, Frequency, Mode, and other parameters. Includes stations like ARU, KBL, WR1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Anoyia, Sivas, Golhisar, Agia Marina, VAMOS, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mutnovka, Khodutka, Dainy, Asacha, Uglovyia, etc.

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

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Krupnik, Musomiste, Vitoshka, Valandovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mutnovka, Khodutka, Dainy, Asacha, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Russkaya, Mys Shipunski, Nalytchevo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Krupnik, Musomiste, Vitoshka, Valandovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mutnovka, Khodutka, Dainy, Asacha, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Russkaya, Mys Shipunski, Nalytchevo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Krupnik, Musomiste, Vitoshka, Valandovo, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Mutnovka, Khodutka, Dainy, Asacha, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Russkaya, Mys Shipunski, Nalytchevo, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like Peldehue, Farelloes, Malague, San Rafael, etc.

ISC 27 10:34:44.72.4.5.38S.129.28E, h217km, 22km, mb3.6/11, mb1.3/9.14, mb1mx3.7/38, mbtmp4.3/14, MSJ3.3/1, Ms1.3/2.1, ms1mx2.3/29, Error ellipse: s-maj=33.6km s-min=13.0km az=81.0

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

Table with columns: STKA, KMI, MJAR, KSRS, LZH, LZH, LZH, HHC, HHC, USRK, SONM, WMQ, WMQ, WMQ, WMQ, PETK, KSH, MK31, MKAR, MAKZ, ZAAO, ZALV, SEY, KURK, KK31, KKAR, ABKAR, ARU, ILAR, ARCES, ARCES, CPUP, LPAZ, LPAZ. Includes station names and coordinates.

RSNC 27 10:40:53.8.0.9.949N.73.24W, h116km, 6km, ML3.4, Mw3.7, 5C, Northern Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CVALL, ARGC, SMLC, OCAC, SMRC, SJCC, PAMC, GIRC, BARRC, URIC, ZARC, SDV, UREC, BARRC, PTBC, TAMC, SPBC, HELC, YOPC, NORC, GUYC, PRAC, PRAC.

ISC 27 10:41:04.0.0.9.17.04S.177.02W, h0km, mb4.3/7, mb1.4/6.7, mb1mx4.1/42, mbtmp4.3/7, Error ellipse: s-maj=44.9km s-min=22.7km az=131.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, URZ, STKA, PETK, NVAR, TXAR, ILAR, PDAR, ARCES, BRTR, GERES.

ISC 27 10:41:18.4.0.5.22.16S.0.04.68.71W, h20km, 5km, mb3.7/4, Error ellipse: s-maj=8.7km s-min=7.2km az=162.7

ISC 27 10:44:18.8.0.7.22.24S.68.65W, h107km, 6km, mb3.5/4, mb1.3/5.7, mb1mx3.3/28, mbtmp3.7/7, Error ellipse: s-maj=35.3km s-min=18.1km az=89.0

SJA 27 10:44:18.2.0.4.22.16S.68.67W, h12km, 5km, ML3.3, MW2.9

GUC 27 10:44:18.8.0.5.22.13S.68.72W, h112km, 4km, ML3.8

ISC 27 10:44:18.8.0.8.22.21S.0.05.68.65W, h109km, 7km, n28, r150/40, mb3.8/4, 8C, Northern Chile

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like LVC, LVC, LVC, PB09, PB09, PB09, PB06, PB06, PB03, PB03, PB03, PB07, PB07, PB15, PB15, PB15, PB01, PB01, PB04, PB04, PB04, PB02, PB02, PB05, PB05, PB05, PB10, PB10, YJA, YJA, HJA, HJA, LAZAP, LAZAP, CFA, CFA, SIV, SIV, PLCA, SNA, DBIC, PDAR, MKAR.

ISC 27 10:45:18.4.4.1.7.00S.129.34E, h122km, 44km, mb3.9/3, mb1.3/8.6, mb1mx3.4/35, mbtmp4.2/6, Error ellipse: s-maj=62.6km s-min=16.0km az=73.0

ISC 27 10:45:19.6.0.5.6.76S.0.04.129.91E, h150km, mb4.1/5, Error ellipse: s-maj=11.3km s-min=5.8km az=165.4

NEIC 27 10:45:22.1.2.2.6.81S.129.95E, h174km, 12km, mb4.1/5, Error ellipse: s-maj=17.3km s-min=10.9km az=71.0

ISC 27 10:45:20.6.0.7.6.79S.0.05.129.02E, h150km, n22, s282/28, mb4.4/5, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SAUI, FAKI, SAUI, SIJU, SIJU, MTN, MTN, SOEI, WRAB, WRA, WRA, WR1, WR1, COEN, JAGI, AS31, AS31, ASAR, ASAR, CTA, CTA, STKA.

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Table with columns: STKA, ARMA, HHC, HHC, MK31, MK32, MKAR, MAKZ. Includes station names, coordinates, and various parameters like P, eP, pmax, etc.

IDC 27 10:51:25.6:3.5, 15.03Sx175.92W, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/25, mbtmp3.6/4, MS3.4/1, Ms1 3.4/1, ms1mx2.6/16, Error ellipse: s-maj=196.1km s-min=29.5km az=146.0, Tonga Islands

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

TRN 27 10:58:53.6, 14.06N:60.62W, h26km, MD3.5, Windward Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like SLBI, MCLT, SLB, MVM, LPMF, BIM, TRMF, ZAM, ILLAM, FDF, SFAN, GBMF, BAMF, CXM, SSV, SVV, PCM, SVB, FCV, DLPL, DLPL.

SOME 27 11:03:16.0, 40.65N:79.67E, h5km NNC 27 11:03:17.6, 1.8, 40.76N:79.74E, h0km, mb3.5, mpv3.1, 2C-1D, Error ellipse: s-maj=14.3km s-min=11.5km az=61.0, Southern Xinjiang

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like UZB, SATY, PDGK, KPKS, KURS, CHKK, KTBS, TKM2.

ISCJB 27 11:12:26.7:0.3, 24.20N:0.02:122.20E:0.02, h48km, 6km, Error ellipse: s-maj=3.5km s-min=2.1km az=158.3

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like EOS1, NANB, ENA, NACB, TWD, ETXH, ETLH.

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Main table with columns: TWE, NDT, NTC, JYNG, NNSB, ESLS, NNS, NNS, YOJ, YOJ, YOJ, WHF, EGFH, TIPB, TIPB, YHNB, YHNB, TWT, TWT, CHGB, CHGB, TDCB, TDCB, HGSD, HGSD, NHDH, NHDH, TATO, TATO, EHY, EHY, VWDT, VWDT, WLTB, WLTB, YM01, YM01, YULB, YULB, YM10, YM10, YM05, YM05, YM04, YM04, TWF1, TWF1, DPDB, DPDB, LIOB, LIOB, NSTT, NSTT, ANP, ANP, SSLB, SSLB, TYC, TYC, WHYT, WHYT, YUS, YUS, WJS, WJS, IRIF, IRIF, ELDTW, ELDTW, ELDTW, ELDTW, HATJ, HATJ, TPUB, TPUB, CHN4, CHN4, CHN4, JKRJ, JKRJ, TWG, TWG, TWG, TWG, WTP, WTP, WTP, TWK, TWK, TWK, TWK, CHN1, CHN1.

27d 11h

Table with columns: CHN1, JIJ, JIJ, JISG, JISG, MASBT, MASBT, MASBT, JTJ, JTJ, PHUB, PHUB, PHUB, JIRB, JIRB, PTMZ, PTMZ, PTMZ, JMJ2, JMJ2, JMJ2.

IDC 27 11:12:34.5:2.52:58N:160.33E, h0km, mb3.7/5, mb1 3.7/5, mb1mx3.344, mbtmp3.7/5, Error ellipse: s-maj=42.7km s-min=28.6km az=149.0

ISCJB 27 11:12:34.4:1.4, 52.02N:160.08E, h54km, 19km, ML4.0

ISCJB 27 11:12:36.2:0.8, 52.02N:0.04:160.05E:0.06, h49km, 8km, mb3.7/6, Error ellipse: s-maj=8.6km s-min=4.8km az=139.2

ISC 27 11:12:36.5:1.2, 52.00N:0.06:160.08E:0.05, h39km, 4km, n39, r120/50, mb3.8/6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like RUS, RUS, SPN, SPN, KDR, KDR, NLC, NLC, MTNR, MTNR, DALK, DALK, ASAK, ASAK, UGLR, UGLR, KRMR, KRMR, SMAR, SMAR, AVH, AVH, KRER, KRER, KRYK, KRYK, KRX, KRX, PETK, PETK, APC, APC, GNL, GNL, MKZ, MKZ, SKR, SKR, KZV, KZV, TUMD, TUMD, TUMR, TUMR, ESO, ESO, KBT, KBT, SRK, SRK, BKI, BKI, MJAR, MJAR, H1N2, H1N2, H1N3, H1N3, H1N1, H1N1, H11S1, H11S1, H1S3, H1S3, H1S2, H1S2, SPITS, SPITS, BVAR, BVAR, NOA, NOA, HFS, HFS, AKASG, AKASG.

DDA 27 11:13:48.8, 37.06N:39.25E, h7km, 2km, ML2.8

ISCJB 27 11:13:49.0:0.9, 37.01N:0.06:39.21E:0.06, h9km, Error ellipse: s-maj=8.3km s-min=6.5km az=174.6

ISK 27 11:13:49.2, 37.06N:39.18E, h8km, ML2.5/5

ISC 27 11:13:49.0:1.4, 37.01N:0.07:39.22E:0.06, h9km, n9, r0543/13, Turkey

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like SURC, SURC, URFA, URFA, ATAB, ATAB, MAZI, MAZI, DYBB, DYBB, MARD, MARD, SVRC, SVRC, ELZG, ELZG, GAZ, GAZ.

KRSC 27 11:31:51.1:1.1, 52.03N:160.09E, h41km, 16km, ML3.6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res. Includes stations like RUS, RUS, SPN, SPN, NLC, NLC, NLC, MTNR, MTNR, KDR, KDR, DALK, DALK, ASAK, ASAK, UGLR, UGLR, KRMR, KRMR, SDLR, SDLR.

Table with columns: TOOTH, comp, AML, AML, 13 22 12.3, 13 22 14.1

SJA 27 13:31:17.9:0.6, 20.43S:69.49W, h109km, 3km, ML2.6, MW2.9

ISCJB 27 13:31:19.8:0.8, 20.17S:0.03:69.31W, 0.08, h117km, 7km, Error ellipse: s-maj=11.9km s-min=5.1km az=177.0

GUC 27 13:31:19.5:0.6, 20.15S:69.26W, h12km, 2km, ML3.7

ISC 27 13:31:20.7:1.6, 20.16S:0.04:69.29W, 0.07, h108km, 10km, n22, c0959/33, 6C-6D, Northern Chile

Main table for Chile stations including IPOC Station P, Chuzimia, Pisagua, Minye Minye, IPOC Station P, Pisagua, Minye Minye, IPOC Station P, Yavi, Humahuaca, etc.

MEX 27 13:56:35.0:0.5, 16.03N:96.52W, h57km, 8km, MD3.5, Oaxaca

Table for Mexico stations including Huatulco, Vista Hermosa, Matias Romero

JMA 27 14:00:08.9:0.1, 39.93N:142.51E, h34km, 1km, MS3.5, Near east coast of eastern Honshu

Table for Japan stations including Tanohata, Miyakonagasawa, Kijedanarisaw, Nango, Kuzumaki, Ohasama, Ofunato, Tenmabayashi, Ichinoseki, Hinai, Rokugo

NNC 27 14:09:01.6:1.0, 37.73N:71.73E, h0km, mb3.7, mpv3.3, 2C-1D, Error ellipse: s-maj=89.2km s-min=66.3km az=162.0, Afghanistan-Tajikistan border region

Table for Nepal stations including Ala-Archa, Karatay Array, Tokmak 2, Tokmak 1, Raxas, Chiang Mai Arr

MAN 27 14:22:00.2:7.34N:124:77E, h1km, MS3.5, 1C-2D, Error ellipse: s-maj=74.4km s-min=20.4km az=72.0

Table for Indonesia stations including Gagayan de Oro, General Santos, Dipolog City, Sibulan, Lapu-Lapu, Roxas, Chiang Mai Arr, Warramunga Arr, Korea Array, Matsushiro Arr

comp=Z,27nm,21.7s,baz=215,slow=33 ASAR Alice Springs 32.16 164 P P 14 28 29.1 -2.4

SONM Songino Array 43.20 342 P P 14 30 06.7 +2.0

DKJA 27 14:39:05.1:0.3, 6.54S:106.6E, h12km, 4km, M3.6/7, ML3.6/7, Sunda Strait

Table for Indonesia stations including Cbinong, Bandar Lampung, Kota Agung, Citeko, Citobumi, Liwa, Maura Dua, Cisempet, Garu

NEIC 27 14:52:42.4:0.0, 19.40N:64.84W, h25km, MD2.9(RSPR), After RSPR

RSPR 27 14:52:42.4, 19.40N:64.84W, h25km, 39km, MD2.9, 3C, Virgin Islands

Table for Virgin Islands stations including Anegada, Anegada Island, Culebra, Puerto, Monte Pirata, Monte Pirata, St. Eustatius, Presa de Saban

IDC 27 14:57:29.0:1.1, 27.10N:108.143:84E, 0.09, h33km, mb3.5/4, Error ellipse: s-maj=12.9km s-min=9.8km az=135.3

JMA 27 14:57:30.2:0.1, 27.14N:143:73E, h35km, M3.6, 1C-2D, Error ellipse: s-maj=13.3km s-min=10.0km az=135.3

Table for Indonesia stations including Chichi jima, Haha-jima-NKT2, Hachio jima 2, Hachio jima 1, Hanno, Matsushiro Arr, Korea Array, KLR, Warramunga Arr, Alice Springs, Makanchi Array

IDC 27 15:04:19.8:3.1, 38.19N:142.52E, h67km, 22km, mb3.3/2, mb1 3.3/6, mb1mx3.1/35, mbtmp3.0/6, Error ellipse: s-maj=40.4km s-min=13.0km az=19.0

ISCJB 27 15:04:21.4:0.8, 38.22N:104:141:95E, 0.08, h65km, 6km, mb3.5/2, Error ellipse: s-maj=10.8km s-min=5.6km az=16.9

JMA 27 15:04:22.8:0.1, 38.24N:141:86E, h62km, 1km, M3.7, JMA Felt 1 J

ISC 27 15:04:22.6:1.6, 38.23N:105:141:92E, 0.10, h53km, 10km, n27, c174/39, Near east coast of eastern Honshu

Main table for Japan stations including Ishinomakikobu, Ouri, Kesenumamotoy, Ofunato, Osakifurukawo, Ichinoseki, Marumori, Okura, Kawauchi, Ohasama, Kaneyama, Otama, Shiratake, Rokugo, Atsumi, Matsushiro Arr, Hachio jima 2, Asajikawa, Asurysk Arr, WAKE ISLAND HY 28.44 123 T, WAKE ISLAND HY 28.45 123 T, WAKE ISLAND HY 28.46 123 T, WAKE ISLAND HY 29.19 125 T, WAKE ISLAND HY 29.20 125 T, WAKE ISLAND HY 29.21 125 T, Zalesovo Beam, Makanchi Array

0.4nm, 0.4s, baz=90, slow=7.8, SNR=5.9

SFS 27 15:05:23.0:34.10N:4:90W, ML3.6, L'OUFLA (MARRUECOS), MDD 27 15:05:24.6:1.9, 34.10N:4:90W, h20km, mb3.6/8, Error ellipse: s-maj=17.7km s-min=10.4km az=170.0, PRXIMO

INMG 27 15:05:24.4:1.2, 34:23N:4:93W, h5km, MD2.1, Error ellipse: s-maj=5.8km s-min=2.8km az=86.0

CNRM 27 15:05:26.1:34.14N:4:76W, h50km, m3.0, ISC 27 15:05:20.1:1.3, 34.18N:0:02:4.75W, 0.03, h25km, 12km, n37, c1564/67, Morocco

Table for Morocco stations including Sidi Chahed, LCR, Ifrane, AKL, Chefchaouen, Pean de, Pean de, Sarsar, Col de Zad, Palemas, M31, Midelt, ZHG, JBK, Melilla, Melilla, Tafaralt, Mijas, Sierra Gorda, Berja, Oquatar, Quedada, Adamaz, Mins Concepcio, ECABR, ECABR, EADA, EADA, PBVD, PBVD, PBVD, EGRO, PVAQ, PVAQ, PVAQ, PCVE, PCVE, ETOB, PAB, PAB, PMTG, PMTG

IDC 27 15:18:19.7:1.2, 6:51S:104:93E, h0km, mb3.9/6, mb1 4.0/7, mb1mx3.6/34, mbtmp3.9/7, ML4.1/1, MS3.0/1, Ms1 3.0/1, ms1mx2.5/34, Error ellipse: s-maj=58.4km s-min=18.6km az=36.0

ISCJB 27 15:18:22.6:0.8, 6:51S:105:28E, 0.06, h10km, mb3.8/6, Error ellipse: s-maj=12.2km s-min=4.9km

DJA 27 15:18:24.6:0.3, 6:54S:10:55E, h10km, M4.0/9, ML4.0/9, 0.2nm, 0.3s, baz=313, slow=19, SNR=6.6

ISC 27 15:18:21.6:0.9, 6:45S:0:07:105:12E, 0.07, h10km, n26, c176/21, mb3.9/6, Sunda Strait

Main table for Indonesia stations including Cbinong, Bandar Lampung, Kota Agung, Tangerang, Citobumi, Citeko, Liwa, Maura Dua, Lembang, Lem, Lembang, Ciempet, Garu, Prapa, Cape Leeuwin H, Cape Leeuwin H, Cape Leeuwin H, Warramunga Arr, Diego Garcia H, Diego Garcia H, Alice Springs, Stephens Creek, Makanchi Array

BRTR Keskin Array B 80.07 312 P P 15 30 30.6 -1.5
 0.9m, 0.8s, baz=155, slow=4.4, SNR=4.3
FINES FINES Array B 90.41 332 P P 15 31 23.7 +0.6
 1.1m, 0.8s, baz=109, slow=6.5, SNR=4.8
TXAR Lajitas Array 144.58 47 PKP PKPdf 15 37 59.1 -0.3
 0.5m, 0.8s, baz=318, slow=1.2, SNR=3.7

IDC 27 15:23:01.8, 1.0, 19.14N, 121.28E, h0km, mb3.5/7, mb1 3.7/8, mb1mx3.5/32, mbmtpp3.6/8, ML3.7/1, MS3.0/6, Ms1 3.1/6, ms1mx2.7/33, Error ellipse: s-maj=29.8km s-min=18.0km az=74.0
MAN 27 15:23:03.5, 19.27N, 121.12E, h1km, MS3.0, ISCJB 27 15:23:05.7, 0.7, 19.24N, 121.2E, 0.1, h39km, mb3.4/7, MS2.9/5, Error ellipse: s-maj=19.9km s-min=11.6km az=165.5
ISC 27 15:23:07.4-0.9, 19.2N, 0.1, 121.3E, 0.2, h39km, n18, o150/9, mb3.7/7, MS2.8/5, D, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
CVP	Callao Caves	1.62 161	Op	15 23 34.5	+1.1
CVP			IP	15 23 55.5	
DAV	Davao City (W)	12.80 160	LR	15 31 40.9	
DAV			LR	15 31 40.9	
KSRs	Korea Array	19.05 16	Pn	15 27 26.4	-0.9
CMAR	Chitans Mat Arr	21.15 272	P	15 27 48.7	-0.6
CMAR			LR	15 36 59.7	
CMAR			LR	15 36 59.7	
MJAR	Matsushiro Arr	22.76 37	P	15 28 07.0	+0.6
GUMO	Guam	23.31 100	LR	15 35 20.0	
SONM	Songino Array	30.98 340	P	15 29 21.5	+0.4
WRA	Warramunga Arr	40.99 161	P	15 30 45.5	-1.3
MKAR	Makanchi Array	42.05 320	P	15 30 56.4	+1.2
MKAR			LR	15 51 32.4	
H1S3	WAKE ISLAND HY 42.88	83	T	16 16 43.8	
H1S1	WAKE ISLAND HY 42.89	83	T	16 16 49.1	
H1S2	WAKE ISLAND HY 42.90	83	T	16 16 52.3	
H1N1	WAKE ISLAND HY 42.91	81	T	16 16 46.1	
H1N2	WAKE ISLAND HY 42.91	81	T	16 16 45.6	
H1N3	WAKE ISLAND HY 42.92	81	T	16 16 47.2	
ASAR	Alice Springs	44.39 163	P	15 31 13.6	-0.8
ZALV	Zalesovo Beam	44.49 330	P	15 31 14.6	-0.2
ZALV			LR	15 53 01.2	
AAK	Ala-Archa	45.69 311	LR	15 52 47.2	

IDC 27 15:48:35.0-11.0, 3.14AS, 131.50E, h0km, mb3.7/2, mb1 4.0/3, mb1mx3.4/25, mbmtpp3.8/3, ML3.5/1, Error ellipse: s-maj=814.3km s-min=28.6km az=73.0, Lorian Jaya region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
WRA	Warramunga Arr	16.63 171	Op	15 52 27.5	-2.1
WRA			Pn	15 52 27.5	-2.1
WRA			Sn	15 55 23.3	-1.2
ASAR	Alice Springs	20.24 174	P	15 53 12.9	+0.9
ASAR			S	15 56 45.0	-1.5
MKAR	Makanchi Array	66.13 325	P	15 59 24.2	0.0

IDC 27 16:03:05.0-2.0, 6.15, 48S, 173.18W, h0km, mb4.5/15, mb1 4.7/15, mb1mx4.4/44, mbmtpp4.5/15, MS3.6/15, Ms1 3.6/15, ms1mx3.5/19, Error ellipse: s-maj=29.1km s-min=14.8km az=131.0

NEIC 27 16:03:06.8-2.2, 15.38S, 173.13W, h10km, mb4.8/46, Error ellipse: s-maj=11.1km s-min=8.9km az=136.0
ISCJB 27 16:03:08.9-0.1, 15.43S, 0.03, 172.96W, 0.06, h29km, mb4.7/48, MS3.6/18, Error ellipse: s-maj=6.5km s-min=3.0km az=27.5

BJJ 27 16:03:08.9-0.1, 15.68S, 173.07W, h30km, mb4.9/14, mb5.2/7, Ms4.7/4, Ms7.4/3
ISC 27 16:03:09.7-0.3, 15.57S, 0.06, 172.93W, 0.07, h29km, n260, o155/243, mb4.7/48, MS3.7/19, 7C-8D, Samoa Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
NIUE	Niue	4.51 141	ePn	16 04 17.3	+1.2
NIUE			eSn	16 05 05.2	-2.5
KNTN	Kanton	12.77 5	ePn	16 06 04.6	-4.8
KNTN			eSn	16 08 17.6	-1.3
RAR	Rarotonga	13.69 116	Pn	16 06 21.0	-0.9
RAR			Sn	16 08 42.2	-1.1
RAR			LR	16 10 40.4	
RAR			LR	16 10 40.4	
RAR			Pn	16 06 24.0	+2.1
DZM	Mont Dzumac	20.56 249	eP	16 07 50.9	+2.3
DZM			LR	16 12 49.6	
DZM			Pn	16 07 47.8	-0.8
DZM			LR	16 13 37.2	
DZM			Pn	16 07 44.0	-2.3
PAE	Paea	22.47 99	eT	16 31 19.8	
PPT	Papeete	22.47 98	eS	16 12 07.7	-4.4
PPT2			eLR	16 12 41.5	
PPT2			LR	16 13 15.6	
PPT2			eT	16 31 21.4	
TIAR	Tiarei	22.69 98	eT	16 31 36.9	
TVO	Taravao	22.79 99	eT	16 31 44.0	
Ouz	Omahuta	23.00 209	eP	16 08 11.5	-0.6
Ouz			P	16 08 11.3	-0.9
WXZ	Matakaoa Point	23.24 198	P	16 08 17.1	+2.5
MCZ	Waipu Caves	23.25 207	P	16 08 15.0	+0.2
KUZ	Kuotunui	23.38 203	P	16 08 16.9	+0.9
TBI	Tubuai	23.42 113	eS	16 12 25.8	-2.2
TBI			eLR	16 13 06.4	
TBI			LR	16 13 57.6	
TBI			eT	16 32 35.3	
WMGZ	Waioamatani S	23.45 197	P	16 08 19.5	+2.9
WMGZ			S	16 12 29.5	+1.3
HAZ	Te Kaha	23.58 199	P	16 08 19.7	+1.8
HAZ			S	16 12 28.3	-2.0
PKGZ	Pakihiroa	23.61 198	P	16 08 21.8	+3.5
WAZ	Waikhe Island	23.65 204	P	16 08 19.0	+0.3
PUZ	Puketiti	23.70 197	P	16 08 20.2	+0.9
RUGZ	Raukumara Rang	23.73 199	P	16 08 22.7	+2.5
RUGZ			S	16 12 34.4	+0.3
ETAZ	East Tamaki Re	23.87 205	P	16 08 22.4	+1.7
TWGZ	Tauwhareparae	23.91 198	P	16 08 23.5	+2.4
MKAZ	Moumakai	23.91 204	P	16 08 21.6	+0.5

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
				h m s	ISC
WTAZ	Waiaitara	24.00 205	P	16 08 23.6	+1.7
OPRZ	Ohinepanea	24.06 201	P	16 08 25.6	+3.2
CNGZ	Carnagh Station	24.12 197	P	16 08 27.5	+4.5
PMOR	Pomarioi Ree	24.15 192	eT	16 33 24.3	
MWZ	Matawai	24.19 199	P	16 08 23.9	+0.2
TKGZ	Te Karaka	24.19 198	P	16 08 25.2	+1.6
URZ	Urewera	24.25 199	P	16 08 24.4	+0.2
URZ			LR	16 12 41.0	0.0
URZ			eP	16 08 24.5	+0.3
URZ			P	16 08 25.1	+0.9
URZ			P	16 08 26.0	+3.1
URZ			P	16 08 27.2	+2.3
OMRZ	Omania	24.35 201	P	16 08 26.3	+1.1
RAGZ	Rawiri	24.37 199	P	16 08 26.7	+1.3
VAH	Vaihoa	24.39 93	eT	16 33 41.7	
RIGZ	Rimuhau	24.46 198	P	16 08 28.5	+2.3
UTU	Utuhina	24.48 201	P	16 08 28.0	+1.7
MUGZ	Murupara	24.56 200	P	16 08 28.5	+1.5
HRZ	Handcock Road	24.64 201	P	16 08 29.7	+1.9
SNZG	Shannon Station	24.66 198	P	16 08 30.5	+2.6
PRZ	Plates Road	24.70 201	P	16 08 31.3	+1.0
ALRZ	Allan Road	24.77 200	P	16 08 30.3	+1.3
TLZ	Tolley Road	24.85 202	P	16 08 31.8	+2.1
RAHZ	Arahi	24.86 199	P	16 08 31.1	+1.3
RATZ	Rangitukia	25.24 201	P	16 08 33.4	+0.1
HIZ	Haiti	25.26 203	eP	16 08 36.8	+3.5
HIZ			P	16 08 34.8	+1.5
BKZ	Black Stump Fm	25.27 200	eP	16 08 33.8	+0.3
BKZ			P	16 08 33.4	-0.1
MOZ	Mouhango	25.73 200	P	16 08 40.4	+2.7
BFZ	Birch Farm	26.73 199	eP	16 08 47.9	+1.3
HNR	Honiara	27.16 280	LR	16 17 54.7	
DUWZ	D'Urville Is	27.61 202	P	16 08 59.5	+4.9
QRZ	Quartz Range	28.16 204	P	16 09 08.8	+1.4
QRZ			P	16 09 01.3	+1.9
QRZ			P	16 09 02.7	+3.2
TUWZ	Tuamariina	28.17 202	P	16 09 01.7	+2.1
NHZ	Nelson	28.82 202	eP	16 09 06.3	+0.8
THZ	Tophouse	28.82 202	P	16 09 07.8	+2.3
THZ			P	16 09 11.0	+2.5
THZ			P	16 09 10.9	+1.9
GVZ	Greta Valley S	29.83 201	P	16 09 21.5	+7.1
LTZ	Lake Taylor	29.94 202	eP	16 09 16.6	+1.3
LTZ			P	16 09 19.2	+3.8
OXZ	Oxford	30.50 202	eP	16 09 20.1	-0.1
OXZ			P	16 09 24.2	+4.0
WVZ	Waitha Valley	30.77 204	P	16 09 25.6	+3.1
RPZ	Rata Peaks	31.20 203	P	16 09 26.7	+0.3
RPZ			P	16 09 35.6	+9.2
TAOE	Nuku Hiva Isla	32.70 82	LR	16 17 58.4	
TAOE			eT	16 44 01.2	
RKT	Rikitea	36.51 108	eT	16 48 55.4	
H1N3	WAKE ISLAND HY 40.28	330	T	16 53 28.1	
H1N1	WAKE ISLAND HY 40.29	330	T	16 53 20.2	
H1N2	WAKE ISLAND HY 40.30	330	T	16 53 29.4	
STKA	Stephens Creek	44.34 240	P	16 11 15.4	-2.1
STKA			LR	16 27 09.8	
STKA			P	16 11 15.9	-1.6
WRA	Warramunga Arr	50.25 257	eP	16 12 00.9	-2.8
WRA			P	16 12 00.9	-2.8
AS31	Alice Springs	50.49 252	eP	16 12 03.4	-2.2
ASAR	Alice Springs	50.49 252	eP	16 12 03.1	-2.4
ASAR			LR	16 32 13.1	
SBA	Scott Base	63.12 185	eP	16 13 36.1	+2.0
MJAR	Matsushiro Arr	69.36 320	LR	16 39 16.9	
CIS	Catalina Islan	71.23 46	P	16 14 27.5	+1.2
SMMC	Simmer	71.24 44	eP	16 14 27.4	+0.9
JAGI	Jajaj, Banyuwa	71.39 266	eP	16 14 28.9	+1.2
ASAJ	Asahikawa	71.92 328	P	16 14 30.4	+0.1
VES	Vesta, Richgr	72.15 44	P	16 14 32.0	+0.2
MURC	Murrieta	72.18 46	P	16 14 32.4	+0.3
BFSC	Baldy Rd	72.21 46	P	16 14 32.9	+0.5
EDWZ	Edwards Air Fo	72.34 45	P	16 14 33.5	+0.4
MONP	Monument Peak	72.34 47	P	16 14 33.8	+0.4
O02D	Mt. Diablo Mer	72.43 38	P	16 14 34.2	+0.7
IKP	In-Ko-Pa, Jac	72.44 48	P	16 14 34.4	+0.7
ISA	Isabella, Lake	72.46 44	P	16 14 34.4	+0.6
POF	Pinyon Flats O	72.71 47	P	16 14 35.8	+0.4
LRCM	Laurel Mtn Rad	72.89 45	P	16 14 37.0	+0.6
PETK	Petropavlovsk	72.93 342	P	16 14 35.7	-0.4
PETK			LR	16 42 33.5	
PEA1	Petropavlovsk	72.94 342	eP	16 14 35.7	-0.4
N02D	Trinity Center	72.98 37	P	16 14 37.7	+1.0
O03E	Paynes Creek	73.09 38	P	16 14 38.3	+0.9
CWC	Cottonwood Cre	73.16 44	P	16 14 38.4	+0.4
M02C	Callahan	7			

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

27d 19h

DJA 27 18:46:33.0, 0.3, 6.5, S, 105E, h10km, M3.8/12, MLV3.8/12, Sunda Strait

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like CGJI, BLSI, TNG, etc.

IDC 27 18:48:28.7, 1.0, 50.29N-130.26W, h0km, mb3.7/6, mb1.3/9.14, mb1mx3.7/38, mbtmp3.7/14, ML3.6/7, MS3.4/12, Ms1.3/4.12, ms1mx3.2/34, Error ellipse: s-maj=19.9km s-min=11.3km az=54.0

PGC 27 18:48:28.9, 1.4, 50.25N-130.21W, h10km, mb3.9, ML3.3/26, Mw3.9/26, 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region

ISCJB 27 18:48:29.6, 1.0, 50.40N-102.129, 99W, 0.04, h14km, 7km, mb3.9/14, MS3.3/4, Error ellipse: s-maj=4.9km s-min=2.5km az=14.1

NEIC 27 18:48:31.0, 1.8, 50.38N-130.15W, h14km, 4km, mb3.9/81, ML3.9(O/TT), Error ellipse: s-maj=14.0km s-min=9.1km az=56.0

ISC 27 18:48:28.6, 2.4, 50.37N-105.103, 102W, 0.04, h3km, 15km, n189, o181/187, mb4.0/14, MS3.4/4, Vancouver Island region

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

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Main station list table with columns: RLMT, MDPB, OMMB, KDAAK, BGU, DMT, PMR, SCRK, RIDG, EGAK, DUG, R11A, BW06, PD31, PDAR, PDAR, SUA, JLU, PAGB, NLU, EPYK, PSUT, TPNV, DAC, ISA, ILAR, ILAR, WRH, CCB, TCRU, BMUT, KTH, PPLA, P17A, SHPR, FFC, SZCU, CAST, BPWA, MTPU, SRU, SVWZ, GSC, LCMT, INK, PKCU, MLY, O20A, RSSD, LDFC, TTA, U15A, PV21, PV23, PV10, PV22, PV04, PV20, PV17, PV16, W13A, PV11, PV13, PV02, PFO, PFO, SMCO, WUAZ, Y12C, M16A, W18A, PV14, ULM, ULM, ULM, KSCO. Lists stations like Red Lodge, Devils Postpil, Old Mammoth, etc.

1486

Main station list table with columns: TUC, ANMO, ANMO, LAZ, LEIN, BNM, AMTX, MSTX, WMOK, TXAR, TXAR, SCHO, PEAI, PETK, PETK, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, FIAO, FINES, ZAA1, ZALV, MKAR, NEIC 27 18:56:45.0, 0.0, 16.63N-100.40W, h2km, MD4.0(MEX), After MEX, MEX 27 18:56:44.9, 0.0, 16.63N-100.40W, h2km, 7km, MD3.9, KRNET 27 19:04:30.4, 0.1, 43.13N-70.61E, mb2.5, SOME 27 19:04:31.6, 42.93N-71.02E, h10km, NINC 27 19:04:32.0, 0.3, 42.80N-71.06E, h0km, mb3.1, mpv2.6, Error ellipse: s-maj=2.6km s-min=1.5km az=26.0, ISC 27 19:04:32.3, 1.1, 42.80N-71.07E, 0.02, h4km, 11km, n32, o181/60, 26C-14D, Kyrgyzstan. Lists stations like Tucson, Albuquerque, Albuquerque, etc.

Table with columns: ULM, Lac du Bonnet, 21.70 77 P, P, 19 15 53.7 +2.9, 3.9nm, 0.6s, baz=286, slow=9.4, SNR=4.2, LR

ERZN Erzincan 0.93 284 PG Pb 19 15 51.6 +0.1, KOPR Kuncuk-EYZURU 0.97 50 PG Pb 19 15 52.4 +0.1, TNCL Tunçel-Merkez 1.07 257 P Pb 19 15 54.1 -0.1

ASAR 0.0nm, 0.3s, baz=352, slow=11, SNR=3.5 Ss Sn 20 16 46.9 -7.1, MKAR Makanchi Arr 69.55 326 P P 20 21 01.2 0.0

NSSC 27 20:13:49.9, 0.3, 36.11N, 35.46E, h352km, 34km, ML3.0, DDA 27 20:13:52.4, 36.95N, 35.63E, h30km, 1km, ML3.7, NEIC 27 20:13:53.9, 0.0, 36.94N, 35.61E, h25km, ML3.7 (DDA), ML3.7 (ISK), After ISK.

ISCJB 27 19:27:46.2, 1.6, 13.5N, 0.2, 90.0W, 0.1, h77km, 18km, Error ellipse: s-maj=44.2km, s-min=7.1km, az=23.4, SNET 27 19:27:46.0, 1.6, 13.64N, 90.05W, h66km, 4km, ML3.0, GCG 27 19:27:47.1, 1.0, 13.41N, 90.25W, h27km, 138km, MD3.5, ISC 27 19:27:47.9, 2.2, 13.6N, 0.2, 89.99W, 0.09, h66km, 18km, n12, c094/19, 1D, El Salvador

Code Station Name Az AZZ Phase ID Time Res ISC, SBLS San Blas 0.43 56i eP Pn 19 27 59.0 -0.9, RTR El Retiro 0.45 48 eP Pn 19 27 59.4 -0.7, SNJE San Jose 0.46 54 eP Pn 19 27 59.3 -0.8

Code Station Name Az AZZ Phase ID Time Res ISC, CEYT Ceyhan 0.13 79 PG Op Pn 19 27 59.1 -0.9, KRTO Karatas-Adana 0.41 199 PG Pb 20 13 52.2 -0.3, KRKS Karatas 0.44 202 PG Pb 20 13 52.2 -0.3

IDC 27 19:45:41.5, 0.9, 55.53N, 162.48E, h0km, mb3.6/10, mb1 3.7/11, mb1mx3.5/37, mbtmp3.5/11, ML2.5/1, MS2.6/1, Ms1 2.6/1, ms1mx2.1/41, Error ellipse: s-maj=27.0km, s-min=17.6km, az=139.0, KRSC 27 19:45:42.5, 1.0, 55.38N, 162.94E, h45km, 21km, ML4.0, ISC 27 19:45:41.7, 1.4, 55.45N, 162.03E, 0.03, h5km, 9km, n54, c19170, 10, mb3.6/10, Near east coast of Kamchatka

Code Station Name Az AZZ Phase ID Time Res ISC, KBTR Krutoberego 0.76 359 eP Ss 19 45 58.4 -0.5, KBG Krutoberego 0.81 354 eP Ss 19 46 11.7 +1.0, KBG Krutoberego 0.81 354 eP Ss 19 46 59.2 -0.3

Code Station Name Az AZZ Phase ID Time Res ISC, KERG Konya-Eregli 1.24 291 iP Ss 20 14 17.1 -0.6, KZK Mersin 1.26 247 Pn Pn 20 14 16.1 -0.2, KZK Mersin 1.26 247 iP Pn 20 14 16.1 -0.9

Code Station Name Az AZZ Phase ID Time Res ISC, KBTR Krutoberego 0.76 359 eP Ss 19 45 58.4 -0.5, KBG Krutoberego 0.81 354 eP Ss 19 46 11.7 +1.0, KBG Krutoberego 0.81 354 eP Ss 19 46 59.2 -0.3

Code Station Name Az AZZ Phase ID Time Res ISC, YORU Yoruktepe-Mers 1.94 245 Pn Pn 20 14 26.0 -0.3, BERU Berket-Mersin 2.00 252 Pn Pn 20 14 26.8 -0.5, KILT Sultanhi-AKS 2.02 309 Pn Pn 20 14 35.5 +1.1

Code Station Name Az AZZ Phase ID Time Res ISC, KZV Kizimen 1.50 258 P Pn 19 46 08.9 -0.3, KIRR Kirishiev 1.50 290 eP Pn 19 46 10.1 -0.2, KLY Kiyuchi 1.51 306 eP Pn 19 46 08.2 -0.9

Code Station Name Az AZZ Phase ID Time Res ISC, YAYX Yailar 2.40 325 Pn Pn 20 14 33.4 +0.6, SURC SANLIURFA_SURC 2.43 92 iP Pn 20 14 32.6 -0.5, CUALT Alinyayia-SIV 2.46 22 iP Pn 20 14 34.6 +0.9

Code Station Name Az AZZ Phase ID Time Res ISC, KZV Kizimen 1.50 258 P Pn 19 46 08.9 -0.3, KIRR Kirishiev 1.50 290 eP Pn 19 46 10.1 -0.2, KLY Kiyuchi 1.51 306 eP Pn 19 46 08.2 -0.9

Code Station Name Az AZZ Phase ID Time Res ISC, CSS Mathiatis 2.72 223 Pn Pn 20 14 36.9 -0.2, CSS Mathiatis 2.72 223 eP Pn 20 14 35.9 -1.2, CSS Mathiatis 2.72 223 Pn Pn 20 14 37.2 +0.1

Code Station Name Az AZZ Phase ID Time Res ISC, KZV Kizimen 1.50 258 P Pn 19 46 08.9 -0.3, KIRR Kirishiev 1.50 290 eP Pn 19 46 10.1 -0.2, KLY Kiyuchi 1.51 306 eP Pn 19 46 08.2 -0.9

Code Station Name Az AZZ Phase ID Time Res ISC, RCY Rachaya 3.49 177 eP Pn 20 14 47.8 +0.1, QASN Qassioun 3.49 170 eP Pn 20 14 49.6 +1.9, QASN Qassioun 3.49 170 eP Pn 20 15 32.0 +3.7

Code Station Name Az AZZ Phase ID Time Res ISC, KZV Kizimen 1.50 258 P Pn 19 46 08.9 -0.3, KIRR Kirishiev 1.50 290 eP Pn 19 46 10.1 -0.2, KLY Kiyuchi 1.51 306 eP Pn 19 46 08.2 -0.9

DDA 27 19:19:33.8, 39.38N, 40.86E, h7km, 1km, ML2.5, ISK 27 19:19:33.2, 39.37N, 40.91E, h13km, ML2.1/6, ISCJB 27 19:19:34.0, 0.5, 39.38N, 0.03, 40.90E, 0.04, h10km, 5km, Error ellipse: s-maj=5.6km, s-min=5.2km, az=3.5, ISC 27 19:19:33.5, 1.0, 39.37N, 0.03, 40.89E, 0.04, h12km, 9km, n13, c0934/18, Turkey

Code Station Name Az AZZ Phase ID Time Res ISC, KARO Karliova-Bingo 0.14 116 PG Pb 19 19 36.8 -0.3, ECAT Cat-ERZURUM 0.24 16 iP Pn 19 19 39.8 -0.2, ECAT Cat-ERZURUM 0.24 16 iP Pn 19 19 39.8 -0.2

Code Station Name Az AZZ Phase ID Time Res ISC, NATI Neve Ativ 3.72 178 Pn Pn 20 14 50.6 -0.1, NATI Neve Ativ 3.72 178 Pn Pn 20 15 33.1 -0.6, NATI Neve Ativ 3.72 178 Pn Pn 20 14 51.3 -0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VAM, ZKR, IMMV, ANAF, TORO, MKAR.

NIED 27:21:56:00.4, 43.50N, 147.50E, h38km, Mw3.8 Best double couple: Ms=18000+104, NP1=200.00000, 313.00000, 1-16.00000, NP2=306.00000, 386.00000, 1-102.00000

JMA 27:21:56:04.3, 0.3, 43.53N, 147.46E, h15km, M4.0 ISCJB 27:21:56:05.3, 0.8, 43.68N, 147.51E, 0.0, h52km, 8km, mb3.5/8, Error ellipse: s-maj=11.1km s-min=6.2km az=43.4

MOS 27:21:56:05.2, 1.3, 43.72N, 147.49E, h54km, mb4.1/3, Error ellipse: s-maj=11.9km s-min=9.1km az=50.1 IDC 27:21:56:06.5, 2.6, 43.78N, 147.49E, h46km, 24km, mb3.3/7, mb1.3, 5/10, mb1mx3, 3/32, mbtmp3.5/10, ML3.0/4, MS2.6/3, Ms1.2, 6/3, ms1mx2, 3/25, Error ellipse: s-maj=26.4km s-min=18.7km az=131.0

SKHL 27:21:56:06.1, 0.9, 43.65N, 147.52E, h50km, 2km, mb4.1/5 ISC 27:21:56:07.3, 0.9, 43.71N, 147.45E, 0.06, h54km, 7km, n54, c1923/63, mb3.4, 3C-3D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YUK, GRPR, LAGR, NEM2, NMR, NACB, KBL, RER, MK32, GEYT, WRA, WR1, ASAR, PSZ, KWAJ, MEEK, NORSAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KUR, JRA, MAJO, PETK, KSRS, SEY, BILL, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, ILAR, MKAR, FINES, ASAR, NB2, NOA, TXAR.

IDC 27:22:02:59.6, 1.8, 2.72N, 90.28E, h0km, mb3.8/5, mb1.4/0.5, mb1mx3.5/4, mbtmp3.8/5, MS4.2/1, Ms1.4, 2/1, ms1mx2, 6/37, Error ellipse: s-maj=61.8km s-min=27.9km az=48.0

NEIC 27:22:03.0, 1.0, 8.2, 6.24N, 90.22E, h10km, 1km, mb4.6/2.0, Error ellipse: s-maj=13.5km s-min=12.2km az=91.0 ISCJB 27:22:03.0, 1.0, 8.2, 6.23N, 90.08, 90.31E, 0.06, h33km, mb5.0/2, MS4.2/1, Error ellipse: s-maj=12.2km s-min=7.5km az=23.6

ISC 27:22:03.0, 8.0, 6.2, 7.2N, 90.1, 90.27E, 0.08, h35km, n36, c0873/32, Off west coast of northern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LHMI, GSI, KULM, IPM, KSM, XMIS, CISI, H0S2, H0S3, H0S1, SBUM, LWMI, KUNW, MUSE, TPUB, NACB, KBL, SSE, RER, MK32, GEYT, SONM, WRA, WR1, ASAR, PSZ, KWAJ, MEEK, NORSAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NAO01, SPA0, WLF, IDC, MOS, DJA, BUI, ISCBJ, GCMT, SAUI, SAUI, BNDI, FAKI, MSAI, AAI, KDU, MTN, MTN, SRPI, BAKI, SANI, LBMI, SOEI, SOEI, KNRA, GENI, BBSI, MMRI, MMRI, EDFI, LUWI, LUWI, WSI, BKSI, KAPI, KAPI, SPSI, TTSI, WBSI, COEN, COEN, WRAB, WRAB, WRA, WRA, PLAI, DAV, DAV, PMG, PMG, PMG, QIS, KBKI, MANU, MTSU, AS31, ASAR, JAGI, WRKA, PSAO, CTA, CTA, CTAO, CTAO, KKM, RABL, PBKI, SMRI, SBUM, GIRL, MEEK, TGY.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAUI, SAUI, BNDI, FAKI, MSAI, AAI, KDU, MTN, MTN, SRPI, BAKI, SANI, LBMI, SOEI, SOEI, KNRA, GENI, BBSI, MMRI, MMRI, EDFI, LUWI, LUWI, WSI, BKSI, KAPI, KAPI, SPSI, TTSI, WBSI, COEN, COEN, WRAB, WRAB, WRA, WRA, PLAI, DAV, DAV, PMG, PMG, PMG, QIS, KBKI, MANU, MTSU, AS31, ASAR, JAGI, WRKA, PSAO, CTA, CTA, CTAO, CTAO, KKM, RABL, PBKI, SMRI, SBUM, GIRL, MEEK, TGY.

27d 22h

Table with columns for station name, frequency, power, and coordinates. Includes stations like KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like GTA Gaotai, RAYN Ar Rayn, LZH Lanzhou, etc.

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Table with columns for station name, frequency, power, and coordinates. Includes stations like WC3 Warramunga Arr, BESE Bessie Mount, AS31 Alice Springs, etc.

WEL 27-22:24:59.0, 42'S; 174°22'E, 1.0, h9km, 2km, M3.9/30, ML4.2/24, MLV3.9/30, Error ellipse: s-maj=0.0km

Table with columns for station name, frequency, power, and coordinates. Includes stations like CMWZ Cape Campbell, BSWZ Blackbirch Sta, TUWZ Tuamarina, etc.

AZER 27-22:49.3, 7.0, 39.92N-57.16E, h72km, 1.1km, ml4/2, Error ellipse: s-maj=2.8km s-min=2.2km az=17.0,

Table with columns for station name, frequency, power, and coordinates. Includes stations like GALA Gala, GALA Nardaran, GOBA Gobu, etc.

28d Oh

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saint Lucia, Belford, Soufriere Voic, etc.

GCG 27 23:30:59.8, 0.8, 15.13N, 89.14W, h8km, 27km, MDA 2
SNET 27 23:31:00.2, 1.5, 15.44N, 89.59W, h8km, 13km, MLD 9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Marmol, Montecristo, Las Nubes, etc.

NIED 27 23:42:00, 43.70N, 147.30E, h56km, Mw3.7 Best double
couple: M3.77000x10^14 NP13x47.00000^0.554.00000^0.151.00000^0.1

MOS 27 23:42:30.9, 1.3, 43.65N, 147.31E, h77km, mb4.4/1, Error
ellipse: s-maj=16.3km s-min=14.5km az=1.3

JMA 27 23:42:32.7, 0.2, 43.70N, 147.25E, h27km, M3.9
ISCJB 27 23:42:32.2, 0.9, 43.81N, 147.31E, h3km, 9km, mb3.7/4, Error ellipse: s-maj=13.8km s-min=6.3km az=136.5

SKHL 27 23:42:33.4, 0.4, 43.90N, 147.24E, h83km, 5km, mb4.3/5,
msH5.4/5

IDC 27 23:42:35.5, 5.3, 43.51N, 147.07E, h108km, 36km, mb3.4/4,
mb1 3.5/6, mb1mx3.1/31, mbtrmp3.7/6, MS2.3/1, Ms1 2.3/1,
ms1mx1.8/26, Error ellipse: s-maj=55.7km s-min=33.4km az=163.0

ISC 27 23:42:31.7, 1.5, 43.73N, 147.40E, h50km, 16km,
n38, r1937/57, mb3.6/4, 1C-3D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Yuzh-Kuril'sk, Tuman, Lagunnoye, Nemuro 2, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Golovino, Kuril'sk, Rausu, etc.

WEL 27 23:49:20.7, 42.5, 174.7E, h10km, 2km, M3.6/25,
ML3.8/19, MLV3.6/25, Error ellipse: s-maj=0.0km
s-min=0.0km az=2.6, Cook Strait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

GUC 27 23:54:21.5, 0.7, 29.77S, 71.53W, h30km, 4km, ML3.0
SJA 27 23:54:22.7, 0.6, 29.79S, 71.50W, h10km, 14km, ML3.9,
MW3.7

ISC 27 23:54:20.8, 2.6, 29.73S, 71.6W, 0.1, h4km, 15km, n12,
r150/13, 3D, Near coast of Central Chile

1496

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tololo Observa, Las Campanas, Cerro Coronel, etc.

WEL 28 00:06:36.9, 42.5, 174.7E, h10km, 2km, M3.9/30,
ML4.2/21, MLV3.9/30, Error ellipse: s-maj=0.0km
s-min=0.0km az=3.9, Cook Strait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cape Campbell, Blackbirch Sta, Tuamarina, etc.

JMA 28 00:18:49.1, 0.2, 38.25N, 144.33E, h46km, M3.9, Off east
coast of Honshu

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

28d 7h

Table with columns: GRNR, Gorny, 14.66 274, eP, P, 07 24 34.2 -1.0, etc. Includes rows for ERMO, ERM, ATKA, BILL, etc.

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Table with columns: CAST, Castle Rocks, 27.27 47, eP, P, 07 26 46.2 +0.8, etc. Includes rows for KDAK, KDAK, KDAK, etc.

1502

Table with columns: INK, Inuvik, 34.68 37, P, P, 07 27 50.9 +0.4, etc. Includes rows for BTO, BTO, BTO, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like K55A Perry, M53A WI Miller and, AC50 Alum Creek Sta, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like GOPC comp=Z,600nm,14.2s, GOPC GO Pecny, Ondr, WVT Waverly, etc.

Table with columns: Station ID, Name, Frequency, Power, Mode, and other technical details. Includes stations like GRA1 Grafenberg Arr, GRF Grafenberg Arr, KHC Kasperske Hory, etc.

28d 7h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like U54A Nelsons Funny, S56A Natural Bridge, BLA Blackburg, etc.

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like BLY Banja Luka, BLY Banja Luka, BLY Banja Luka, etc.

1506

Table with columns: Call sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KPRO Kipourio, AQU L'Aquila, AQU L'Aquila, etc.

TXAR	Lajitas Array	36.11 310 P	P	09 33 32.6 -3.7
ASAR	Alce Springs	136.325 4.4, SNR=7.2	PKPdf	09 46 22.9 +1.5
WRA	Warrunganga Arr	151.48 243 4K Pbc PKPdf	PKPdf	09 46 26.0 +2.9

ISC/JB 28 09:42:14.3:0.4, 24.75N:0.02:122.224E:0.02, h10km, 3km, Error ellipse: s-maj=3.6km s-min=2.5km az=19.9
 TAP 28 09:42:14.9:0.1, 24.75N:122.222E, h13km, ML3, 1, C
 JMA 28 09:42:14.9:0.1, 24.70N:122.222E, h16km, 5km, M2.4
 ISC 28 09:42:14.8:0.9, 24.73N:0.03:122.222E:0.02, h17km, 6km, n44, c057276, 1C, Taiwan region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
Code	Station Name	Δ° AZ°	Phase ID	Time Res
EO51	EO51	2.0 204	P	09 42 20.0 +0.4
EO51	baz=203			
EO51	baz=203			09 42 23.4 +0.6
TWC	Suao	0.35 250	P	09 42 21.4 -0.8
TWC	baz=246			
NTC	Toucheng	0.37 290	P	09 42 21.8 -0.8
NTC	baz=286			
TIPB	Shuangxi	0.43 304	EP	09 42 22.5 -1.1
TIPB	baz=301			
TIPB	baz=301			09 42 29.9 +0.4
TWE	Neicheng	0.50 269	P	09 42 24.2 -0.7
TWE	baz=266			
TWE	baz=266			09 42 31.5 -0.1
NANB	Nanau	0.52 235	P	09 42 24.6 -0.6
NANB	baz=233			
NANB	baz=233			09 42 32.5 -0.2
NWF	Wu-fen Shan	0.52 311	EP	09 42 25.2 -0.1
NWF	baz=308			
NWF	baz=308			09 42 32.0 -0.4
NWF	Wu-fen Shan	0.52 311	P	09 42 25.0 -0.3
NWF	baz=308			
NWF	baz=308			09 42 32.6 +0.3
ENA	Nanau	0.53 235	EP	09 42 24.6 -0.7
ENA	baz=233			
TWA	Mucha	0.63 294	EP	09 42 27.6 +0.3
TWA	baz=291			
TWA	baz=291			09 42 36.0 +0.3
NDT	Datong Townshi	0.65 259	P	09 42 27.3 -0.4
NDT	baz=257			
NDT	baz=257			09 42 36.3 -0.1
NHHD	Xindian Distri	0.67 291	EP	09 42 28.5 +0.5
NHHD	baz=288			
NHHD	baz=288			09 42 37.6 +0.6
TATO	Taipei	0.71 291	EP	09 42 28.8 +0.2
TATO	baz=288			
TATO	baz=288			09 42 38.5 +0.4
JYNG	Yonagunijimaku	0.72 112	P	09 42 28.4 -0.5
JYNG	baz=303			
JYNG	baz=303			09 42 38.0 -0.5
YMO1	YMO1	0.72 305	P	09 42 28.5 -0.4
YMO1	baz=303			
YMO1	baz=303			09 42 38.5 0.0
YMO8	YMO8	0.73 309	P	09 42 28.3 -0.8
YMO8	baz=307			
YMO8	baz=307			09 42 37.8 -1.0
YMO10	YMO10	0.73 306	P	09 42 28.4 -0.7
YMO10	baz=303			
YMO10	baz=303			09 42 38.6 -0.3
YMO5	YMO5	0.73 306	P	09 42 28.5 -0.7
YMO5	baz=304			
YMO5	baz=304			09 42 38.4 -0.6
YMO4	YMO4	0.75 305	P	09 42 28.8 -0.7
YMO4	baz=302			
YMO4	baz=302			09 42 38.8 -0.7
YHNB	Yeheng	0.77 266	P	09 42 29.6 -0.3
YHNB	baz=264			
YHNB	baz=264			09 42 38.8 -0.7
YOJ	Yonaguni jima	0.77 110	P	09 42 28.8 -1.1
YOJ	baz=111			
YOJ	baz=111			09 42 39.5 -0.6
YOJ	Yonaguni jima	0.77 110	P	09 42 29.2 -0.7
YOJ	baz=111			
YOJ	baz=111			09 42 39.4 -0.7
NSK	Sanguang	0.78 266	P	09 42 29.5 -0.6
NSK	baz=264			
NSK	baz=264			09 42 40.8 +0.5
NACB	Ninganchiao	0.79 226	P	09 42 29.7 -0.6
NACB	baz=224			
NACB	baz=224			09 42 40.5 0.0
NNSB	Datong	0.82 249	P	09 42 30.2 -0.6
NNSB	baz=247			
NNSB	baz=247			09 42 41.3 0.0
NNS	Nan Shan	0.82 250	EP	09 42 30.5 -0.2
NNS	baz=247			
NNS	baz=247			09 42 41.3 0.0
ETHL	Xiulin Townshi	0.85 232	P	09 42 30.8 -0.6
ETHL	baz=231			
ETHL	baz=231			09 42 42.0 -0.2
TWD	Chiawan	0.86 221	P	09 42 31.1 -0.1
TWD	baz=220			
TWD	baz=220			09 42 43.5 +1.1
WHF	Hehuan Shan	1.04 236	P	09 42 34.7 -1.4
WHF	baz=235			
WHF	baz=235			09 42 49.1 +0.9
TDCB	Techi	1.07 244	P	09 42 35.2 +0.2
TDCB	baz=242			
TDCB	baz=242			09 42 49.7 +0.9
LIOB	Emei	1.09 266	EP	09 42 34.7 -1.4
LIOB	baz=264			
LIOB	baz=264			09 42 43.7 +0.1
NSTT	Nanjiang	1.11 265	EP	09 42 35.2 -1.1
NSTT	baz=263			
NSTT	baz=263			09 42 48.8 -2.0
ESL	Shilin	1.16 218	EP	09 42 36.5 +0.3
ESL	baz=217			
ESL	baz=217			09 42 41.3 +0.7
CHGB	Renal	1.16 235	P	09 42 37.1 +0.7
CHGB	baz=234			
CHGB	baz=234			09 42 51.9 +0.5
EGFH	Guanou	1.28 214	EP	09 42 38.4 0.0
EGFH	baz=214			
EGFH	baz=214			09 42 40.5 -0.9
VWDT	VWDT	1.38 226	EP	09 42 40.5 -0.9
VWDT	baz=224			
VWDT	baz=224			09 42 41.4 -1.0
IRGD	Ruisou	1.43 211	EP	09 42 41.4 -1.0
IRGD	baz=210			
IRGD	baz=210			09 42 41.3 +0.3
HRIF	Irif	1.43 106	P	09 42 59.1 +0.7
HRIF	baz=106			
HRIF	baz=106			09 42 41.3 +0.6
SSLB	Suanguang	1.48 231	EP	09 42 41.3 +0.6
SSLB	baz=230			
SSLB	baz=230			09 43 01.1 +0.6
TYC	Yuch	1.49 237	EP	09 42 41.8 -0.2
TYC	baz=235			
TYC	baz=235			09 42 42.2 +0.3
YULB	Yuh	1.57 212	EP	09 42 42.2 +0.3
YULB	baz=212			
YULB	baz=212			09 42 40.3 -0.7
JKRS	Kuro-shima	1.71 106	P	09 43 03.6 -1.5
JKRS	baz=106			
JKRS	baz=106			09 42 45.5 +0.7
JJU	Ishigaki jima	1.79 101	P	09 43 08.2 +1.0
JJU	baz=101			
JJU	baz=101			09 43 12.0 +1.8
JISG	Ishigakijimahi	1.91 94	S	09 43 12.0 +1.8

ellipse: s-maj=13.0km s-min=6.0km az=152.3
 ISC 28 10:12:07.1:1, 31.50S:009.6490W:0.06, h35km, n9, c154513, Cordoba Province

Code	Station Name	Δ° AZ°	Phase ID	Time Res
TCA	Tanti	0.31 58	EP	10 12 17.1 -1.7
TCA	baz=58			10 12 24.1 -0.2
TCA	baz=58			10 12 24.7
ACAN	Cantantal	2.09 248	EP	10 12 43.5 +0.2
ACAN	baz=248			
ACAN	baz=248			10 13 10.1 +1.9
CFA	Coronel Fontan	2.85 267	EP	10 12 51.2 -2.5
CFA	baz=267			
CFA	baz=267			10 13 24.9 -2.0
CYA	Choya	3.15 345	EP	10 12 57.3 -0.6
CYA	baz=345			
CYA	baz=345			10 13 41.9
VCA	Vinchina	3.98 313	EP	10 13 09.6 +0.3
CPUP	Villa Florida	8.40 54	Pn	10 14 10.2 +0.3
CPUP	baz=54			
CPUP	baz=54			10 15 42.4 -1.1
CPUP	baz=54			10 16 36.0
PLCA	Paso Flores	10.20 25	Pn	10 14 36.5 +0.8
PLCA	baz=25			
PLCA	baz=25			10 17 31.0
LPAZ	La Paz	15.43 348	Pn	10 15 46.4 0.0
LPAZ	baz=348			
LPAZ	baz=348			10 15 52.4 +1.4
SIV	San Ignacio	15.83 14	Pn	10 15 52.4 +1.4
SIV	baz=14			
SIV	baz=14			10 16 36.0

IDC 28 11:08:06.8:5.5, 28.01S:177.77W, h114km, 45km, mb4.0/10, mb 1.4, 1/12, mb 1mx3.9/24, mbtmp4.3/12, MS3.7/1, Ms3.7/1, ms1mx2.9/27, Error ellipse: s-maj=27.3km s-min=22.1km az=63.0

ISC/JB 28 11:08:16.1:0.5, 28.39S:0.03:178.174W:0.09, h198km, mb4.4/40, Error ellipse: s-maj=11.0km s-min=4.0km az=1.3

NEIC 28 11:08:17.2:2.5, 28.08S:177.94W, h203km, 5km, mb6.6/41, Error ellipse: s-maj=20.7km s-min=12.4km az=111.0

ISC 28 11:08:17.4:0.5, 28.39S:0.05:178.15W:0.09, h198km, n173, c2935/175, mb4.6/40, 2C, Kermadec Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res
RIZ	Raoul Island	0.88 167	P	10 18 49.5 +3.4
RIZ	baz=167			10 19 14.1 +5.5
RAO	Raoul Island	0.89 167	P	10 18 48.4 +2.1
RAO	baz=167			10 18 49.4 +3.2
GLKZ	Green Lake	9.62 197	P	10 19 14.4 +5.6
GLKZ	baz=197			10 19 37.4 +2.0
MXZ	Matakaoa Point	9.62 197	P	10 19 37.4 +2.0
WMGZ	Waionatatin S	9.84 196	P	10 19 35.3 +0.8
WMGZ	baz=196			10 12 22.8 -1.5
WCZ	Waipu Caves	9.85 218	P	10 10 41.0 +6.3
HAZ	Te Kaha	9.95 199	P	10 10 34.1 -1.8
HAZ	baz=199			10 10 35.8 -0.1
PKGZ	Pakihiora	9.95 197	P	10 10 33.8 -2.8
RUGZ	Raukumara Rang	10.17 199	P	10 10 37.7 -1.2
RUGZ	baz=199			10 10 37.4 -1.6
RUGZ	baz=199			10 12 24.0 -8.5
FWGZ	Tauwharepae	10.29 197	P	10 10 39.0 -1.4
CNGZ	Carang Station	10.52 210	P	10 10 42.2 -1.1
MWZ	Matawai	10.56 199	P	10 10 41.1 -2.8
MWZ	baz=199			10 10 41.7 -2.1
TKGZ	Te Karaka	10.57 197	P	10 10 45.0 +1.1
URZ	Urewera	10.61 201	P	10 10 41.4 -3.1
URZ	baz=201			10 12 40.2 -2.7
URZ	baz=201			10 10 43.0 -1.5
URZ	baz=201			10 10 43.1 -1.4
RAZ	Rahihi	10.74 192	P	10 10 46.2 -0.9
RAGZ	Rawiri	10.74 199	P	10 10 46.2 -0.1
RIGZ	Rimuha	10.84 197	P	10 10 46.1 -1.4
MUGZ	Murupara	10.92 202	P	10 10 46.6 -1.9
RAHZ	Arahi	11.22 199	P	10 10 55.8 +3.4
RAHZ	baz=199			10 10 54.1 +1.7
MHGZ	Mhia Peninsul	11.23 201	P	10 10 55.4 +0.1
TLZ	Tolley Road	11.23 206	P	10 10 58.8 +0.3
MTHZ	Maugataniwha	11.24 200	P	10 10 55.4 +2.7
MRHZ	Matea Rd	11.36 202	P	10 10 57.9 +3.7
ARHZ	Aroapanui	11.57 199	P	10 13 04.9 -0.9
BKZ	Black Stump Fm	11.64 201	EPn	10 10 58.6 +1.1
BKZ	baz=201			10 10 55.6 -2.1
BKZ	baz=201			10 10 55.6 -2.1
HIZ	Hauti	11.66 208	P	10 11 04.7 +1.4
MCHZ	McNeill Hill	11.83 200	P	10 11 02.2 +2.2
KWHZ	Kaweka Forest	11.89 201	P	10 11 03.4 +2.4
KWHZ	baz=201			10 11 27.1 +0.9
CKHZ	Cape Kidnapper	11.92 198	P	10 11 15.6 +1.6
NIUE	Niue	11.94 41	EPn	10 10 54.7 -6.9
NGHZ	Ngaruhoe	11.95 204	P	10 11 05.5 +3.8
TUVZ	Tukino	12.01 204	P	10 11 05.9 +3.4
WHVZ	Whangapehu Hut	12.05 204	P	10 11 04.3 +1.3
BHZ	Black Hill Sta	12.07 202	P	10 11 15.6 +1.6
BHZ	baz=202			10 11 15.6 +1.6
MOVZ	Moawhango	12.10 203	P	10 11 12.8 +4.5
KAHZ	Kahuranaki	12.10 199	P	10 11 02.9 -0.7
KAHZ	baz=199			10 11 13.54 -3.0
KAHZ	baz=199			10 11 03.9 +2.0
KRHZ	Kerikeri	12.11 201	P	10 11 04.2 -2.2
PKVZ	Pokaka	12.14 205	P	10 11 06.2 +2.1
PKVZ	baz=205			10 11 07.6 +1.3
PKVZ	baz=205			10 11 18.8 -4.8
PNHZ	Pukenui	12.41 201	P	10 11 21.8 -4.0
WRHZ	Waipukurau	12.47 200	P	10 11 22.9 -4.4
PRHZ	Porangahau	12.61 199	P	10 11 21.7 -8.7
TSZ	Takapari Road	12.62 201	P	10 11 09.9 -0.3
DVHZ	Dannevirke	12.77 200	P	10 11 23.96 -4.8
POWZ	Post Office Ro	12.98 201	P	10 11 33.94 -4.4
PRWZ</				

Table with columns: Station Name, Frequency, Bandwidth, Modulation, SNR, and other technical details. Includes stations like Guiyang, Lanzhou, Chengdu, etc.

Table with columns: Station Name, Frequency, Bandwidth, Modulation, SNR, and other technical details. Includes stations like Kappang, Katabumi, LSA, etc.

Table with columns: Station Name, Frequency, Bandwidth, Modulation, SNR, and other technical details. Includes stations like KLSI, KLI, PDSI, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ULHL, KZA, PRZ, BOOM, ARLS, TNSS, UCH, MDOK, MTBS, TKM2, KST, SATY, KBK, AAK, DGS, UZB, AML, PKPK, KTBS, PDGK, EKS2, CHHK, CHKK, KUU, ARXS, ARXS.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VYHS, DPC, KRUC, OSTC, NEIC, HUIG, PCIG, CMIG, TGIG, CCIG, TLIG, TEIG, IKOO, ITEG, IDAH, TABS, SHRT, CHMN, KHGB, TVBK, KRBR, TNSJ, IBAF, YZKH, YZKH, IMEH, ISAD, ANAR, SBZV, IMYA, IAAL, KRSH, IGL0, IPRN, CLL, HHC, HHC, MAN, DJA, BUJ, NEIC, IDC, CTBH, SGSI, TNTI, KKM, TGY, TTSI, NLAI, KDI, SIJI, SBUM, FAKI, BAKI, EDFI, SOEI, SOEI, DLV, TWG, TPUB.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MYKOM, MTN, IPM, CHAI, PDSI, PBKT, PSI, PSI, UTHA, SISI, KCSI, WHN, NJ2, GSI, GSI, PAYA, CMAR, CMMT, KMI, KMI, WRAB, WRA, WRA, WB2, XAN, XAN, XAN, AS31, ASAR, ASAR, ASAR, MJAR, CTA, MORW, HHC, HHC, FORT, LSA, USRK, NWAO, GTA, GTA, BBOO, EIDS, STKA, STKA, JIRN, GUN, PKI, KKN, GKN, KLR, KOLN, DANN, SONM, ARMA, CAN, TOO, WMQ, WMQ, DZM, DZM, MK31, MKAR, MKAR, MKAR, PETK, ZALV, GAR, KURK, KK31, KKAR, LBZ, RPZ, RPZ, TIXI, URZ, URZ, ABKAR, BRTR, ARCES, FINES, TORB.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OKC, MORC, OJC, LANS, LANS, VRAC, VYHS.

PLCA Paso Flores 143.23 162 PKP PKPbc 13 11 28.1 +0.8
0.9nm, 0.6s, baz=321, slow=2.2, SNR=4.3
PLCA Paso Flores 143.23 162 ePKPdf PKPdf 13 11 28.9 -0.1
GO06 Curarrehue 143.97 160 ePKPbc PKPab 13 11 29.9 0.0

MDD 28 12:55:48.8, 2.1, 35.17N, 0.35E, h47km, 16km, mb3.9/10,
Error ellipse: s-maj=20.6km s-min=9.0km az=148.0,
PRXIMO
CRAAG 28 12:55:51.6, 35.32N, 0.15E, M2.8
ISC 28 12:55:51.4, 1.6, 35.62N, 0.05, 0.25E, 0.05, h11km, 13km,
n25, s197/34, 1C, Northern Algeria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like OJBR, USTO, ENIJ, EMUR, etc.

BUIJ 28 13:07:12.8, 0.0, 41.64S, 174.16E, h6km, mb5.3/5,
mB5.5/4, Ms5.4/1
IDC 28 13:07:13.0, 0.6, 41.46S, 174.12E, h0km, mb4.6/12,
mb1.4, 7/14, mb1mx4.0/23, mbtmp4.6/14, ML4.0/2, MS4.0/15,
Ms1.4/15, ms1mx4.0/17, Error ellipse: s-maj=15.8km
s-min=11.9km az=135.0
NEIC 28 13:07:13.0, 0.0, 41.70S, 174.30E, h12km, mb4.9/15,
ML5.4/WEL, After WEL
ISCJB 28 13:07:15.0, 0.3, 41.74S, 0.02, 174.28E, 0.03, h22km, 2km,
mb4.8/21, MS4.1/18, Error ellipse: s-maj=4.4km
s-min=2.2km az=137.1
WEL 28 13:07:14.8, 42.5, 1.7, 17.4E, h9km, 3km, M5.2/26,
ML5.5/20, MLv5.2/26, Error ellipse: s-maj=0.0km
s-min=0.0km az=137.3
GCMT 28 13:07:17.6, 0.5, 41.61S, 0.03, 174.29E, 0.03, h15km, 2km,
MW5.0/65, Moment Tensor Solution, s22, c25; s65, c91;
Duration: 0 Moment tensor: Scale 1010Nm; Mr0.54+-16;
Mw0.52+-11; Mw-1.06+-12; Mw-1.09+-38; Mw-1.75+-09;
Ms-2.80+-66; Best double couple: Ms3.57400+-1016
Np1.348, 0.00000; s85, 0.00000; s57, 0.00000; Nf2:
0.251, 0.00000; A171, 0.00000; Principal axes:
T 3.8070, Plg41, 0.0000; Azm227, 0.0000; N -0.4650,
Plg33, 0.0000; Azm351, 0.0000; P -3.3410, Plg32, 0.0000;
Azm105, 0.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Rows include stations like CMWZ, BSWZ, TUWZ, etc.

Main table with columns: INZ, MOZ, MQZ, NBEZ, etc. Rows include stations like Incheon, McQueen's, Newall Road, etc.

Main table with columns: STKA, RAR, CTA, HNR, MTSU, etc. Rows include stations like Stephens Creek, Parotonga, Charters Tower, etc.

28d 14h

ISCJB 28 14:14:00.0.0.3,39.35N,0.01-29.00E,0.02,h4km,3km, mb3.4/4, Error ellipse: s-maj=2.6km s-min=2.3km az=173.6

DDA 28 14:14:00.3,39.37N-29.02E,h4km,3km,ML3.6 THE 28 14:14:01.1,39.27N-29.16E,h10km,2km,ML3.5/6, Error ellipse: s-maj=2.9km s-min=0.6km az=135.0

ISC 28 14:14:00.6,1.0,39.35N,0.02-29.04E,0.02,h6km,2km, n110, c1917/132,mb3.5/4,19C-4D, Turkey

Code Station Name Az Phase ID Time Res ... SMAA Simav-Kutahya 0.25 191 PG Pg 14 14 06.1 +0.6

USAK Uak-Merkez 0.63 182 i S Pb 14 14 13.5 -0.6 ... KULA Kula-Manisa 0.88 200 PG Pg 14 14 17.3 -0.2

SRCK Saricakaya, Es 1.41 60 PN Pg 14 14 27.6 +0.0 ... SRCK Saricakaya, Es 1.41 60 i S Sg 14 14 27.8 +0.2

SPNC Sapanc-Adapaz 1.66 36 PN Pb 14 14 31.5 0.0 ... SAUV Serdivan-Sakar 1.71 35 PN Pb 14 14 32.1 -0.3

BRDR BURDU-Merkez 1.83 154 i P Pn 14 14 32.9 +0.2 ... ELBA Catalca 1.86 346 i P Pn 14 14 35.9 -0.4

BAYC CAKIKALE-Bayr 1.97 282 i P Pn 14 14 34.3 -0.3 ... MDUB Mudurnu 2.00 55 PN Pb 14 14 36.2 +1.1

CTYL Yalikoy Yolu 2.20 345 i P Pn 14 14 40.5 -0.4 ... YER Yerkesk 2.29 158 P Pn 14 14 38.2 -0.8

CHOS Chios Island 2.52 249 P Pn 14 14 41.5 -0.7 ... PHSR Pinarhisar 2.56 334 i P Pn 14 14 45.6 -1.4

BRTR Keskin Array B 3.57 82 Pn Pn 14 14 56.4 -0.4 ... BRTR Keskin Array B 3.57 82 Pn Pn 14 14 56.4 -0.4

RAZG Razgrad 4.63 337 i P Pn 14 15 13.3 +2.2 ... TIRR Tirusur 5.13 355 i S Pn 14 15 17.5 -0.5

2013 JUL

VOIR 6.77 335 i P Pn 14 15 41.1 +0.6 ... ARR Arges 6.85 333 i P Pn 14 15 41.1 -0.5

MAN 28 14:16:46.5,13.47N-120.84E,h31km,mb3.8,ML2.5, MS2.1,1D,Mindoro

IDC 28 14:19:51.7,2.3,37.75N,144.26E,h0km,mb3.3/2, mb1.3/6.5,mb1mx3/4.7,mbtp3.6/5,ML3.7/2, Error ellipse: s-maj=51.3km s-min=26.5km az=134.0

JIKH Ishinokakibotu 2.02 282 Op Pn 14 20 27.6 -0.7 ... JIKH Ouri 2.14 285 P S Pn 14 20 29.4 -0.5

SRCK Saricakaya, Es 1.41 60 PN Pg 14 14 27.6 +0.0 ... SRCK Saricakaya, Es 1.41 60 i S Sg 14 14 27.8 +0.2

SOE 28 14:25:02.1,45.68N-26.43E,h10km ... ISCJB 28 14:25:03.6,0.2,45.67N,0.01-26.53E,0.02,h97km,3km, Error ellipse: s-maj=2.4km s-min=1.1km az=11.4

Code Station Name Az Phase ID Time Res ... PLOR Plostina 0.21 30 i P Pn 14 25 17.5 -0.3

PLOR Plostina 0.21 30 i P Pn 14 25 17.5 -0.3 ... PLOI Plostina 0.25 39 i P Pn 14 25 17.9 0.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

1518

JOSR Joseni 1.24 327 i P Pn 14 25 27.3 +0.4 ... CFR Carcaliu 1.25 113 i P Pn 14 25 26.8 -0.2

MAN 28 14:16:46.5,13.47N-120.84E,h31km,mb3.8,ML2.5, MS2.1,1D,Mindoro

IDC 28 14:19:51.7,2.3,37.75N,144.26E,h0km,mb3.3/2, mb1.3/6.5,mb1mx3/4.7,mbtp3.6/5,ML3.7/2, Error ellipse: s-maj=51.3km s-min=26.5km az=134.0

JIKH Ishinokakibotu 2.02 282 Op Pn 14 20 27.6 -0.7 ... JIKH Ouri 2.14 285 P S Pn 14 20 29.4 -0.5

SRCK Saricakaya, Es 1.41 60 PN Pg 14 14 27.6 +0.0 ... SRCK Saricakaya, Es 1.41 60 i S Sg 14 14 27.8 +0.2

SOE 28 14:25:02.1,45.68N-26.43E,h10km ... ISCJB 28 14:25:03.6,0.2,45.67N,0.01-26.53E,0.02,h97km,3km, Error ellipse: s-maj=2.4km s-min=1.1km az=11.4

Code Station Name Az Phase ID Time Res ... PLOR Plostina 0.21 30 i P Pn 14 25 17.5 -0.3

PLOR Plostina 0.21 30 i P Pn 14 25 17.5 -0.3 ... PLOI Plostina 0.25 39 i P Pn 14 25 17.9 0.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0 ... GRER Grener 0.44 131 i P Pn 14 25 19.9 +1.0

28d 16h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual. Includes stations like Cabo Rojo, Magueyes, Cerrillos, etc.

ISCJB 28 16:57:31.0, 0.2, 5.78S, 0.04, 80.75W, 0.05, h35km, mb4.5/92, MS3.7/11, Error ellipse: s-maj=7.2km s-min=4.2km az=148.7

NEIC 28 16:57:34.0, 1.4, 5.78S, 80.73W, h47km, 4km, mb4.6/95, Error ellipse: s-maj=21.5km s-min=9.2km az=56.0

IDC 28 16:57:38.2, 2.0, 5.84S, 80.79W, h84km, 18km, mb3.9/18, mb1.4, 1/21, mb1mx3.9/42, mbtmp4.2/21, MS3.7/15, Ms1.3/7.15, ms1mx3.5/34, Error ellipse: s-maj=21.3km s-min=12.1km az=54.0

ISC 28 16:57:32.7, 0.4, 5.89S, 0.07, 80.92W, 0.09, h35km, n355, o=99/356, mb4.6/92, MS3.8/11, Near coast of northern Peru

Main station list table for the first column, containing station codes, names, and various parameters.

2013 JUL

Main station list table for the second column, containing station codes, names, and various parameters.

1522

Main station list table for the third column, containing station codes, names, and various parameters.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like E46A Sault Ste Mari, E48A Lockeyer, E47A Iron Bridge, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like VNA3 Neumayer Olymp, VNA1 Neumayer-Stat, SNA5 Sanae, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other details. Includes entries like PB07 IPOC Station P, PB10 IPOC Station P, PB02 IPOC Station P, etc.

ISC 28 17:02:39.8-1.2, 49.84N-0.04-18.49E-0.03, h9km_gkm, n13, c06623, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like OKC Ostrava-Krasne, MORC Moravsky Beroun, etc.

ISCJTB 28 17:29:20.5-0.2, 23.07S-0.03-68.28W-0.03, h134km_3km, b4=166.1, Error ellipse: s-maj=5.3km s-min=4.1km

SJA 28 17:29:20.8-0.6, 23.07S-68.39W, h141km_8km, ML3.1, MW3.4

IDC 28 17:29:21.3-0.6, 23.01S-68.15W, h123km_5km, mb3.9/11, mb1.4, 1/15, mb1mx4.0/31, mbtmp4.3/15, Error ellipse: s-maj=15.8km s-min=14.1km azw=70.0

VAO 28 17:29:22.1-0.4, 23.02S-68.20W, h130km_4km, mb4.5

NEIC 28 17:29:22.0-0.2, 23.03S-68.58W, h143km, mb4.3/13, ML4.2(GUC), After GUC.

GUC 28 17:29:22.5-0.7, 23.03S-68.58W, h143km_5km, ML4.3

ISC 28 17:29:21.5-0.6, 23.06S-0.03-68.29W-0.05, h129km_gkm, n109, c1320/127, mb4/11/9, IC-1D, Northern Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like LVC Limon Verde, LVC Limon Verde, etc.

ISC 28 17:02:39.8-1.2, 49.84N-0.04-18.49E-0.03, h9km_gkm, n13, c06623, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other details. Includes entries like PTGA Pitinga, PTGA Pitinga, etc.

USRK	baz=140,slow=36,SNR=1.7	Sn	Sn	17 53 57.5 +1.7
USRK	LR	LR		17 55 40.4
MDJ	comp=Z,780nm,19.7s, baz=122,slow=37	Pn	Pn	17 52 28.9 -1.8
MDJ	11.53 301 eP			17 52 31.0 +0.3
MDJ	MDanjjiang	pP		17 52 39.0
MDJ		sP		17 52 41.8
MDJ		sS	Sn	17 54 32.3 -6.1
MDJ				17 54 47.8
MDJ	comp=Z,16nm,1.0s		pmax	
MDJ	comp=Z,150nm,3.6s		pmax	
MDJ	comp=Z,570nm,12.8s	LR	LR	
MDJ	comp=Z,1µm,14.2s	LR	LR	
JNU	comp=Z,2µm,14.8s	Pn	Pn	17 52 35.2 -0.8
JNU	Nakatsue	11.91 242		
JNU	comp=Z,0.2nm,0.3s, baz=74,slow=8.0, SNR=3.0	LR	LR	17 57 27.8
JNU	comp=Z,790nm,19.8s, baz=48,slow=39			
JNU	Nakatsue	11.91 242 eP	Pn	17 52 34.8 -1.2
KSR5	Korea Array	12.32 266	Pn	17 52 39.8 -1.7
KS15	Wonju Array Si	12.36 266 eP	Pn	17 52 40.8 -1.2
KLR	Kul'du	12.88 323	Pn	17 52 47.6 -1.5
KLR	comp=Z,0.1nm,0.3s, baz=134,slow=14, SNR=7.7	LR	LR	17 57 52.6
OKH	comp=Z,541nm,19.2s, baz=132,slow=38			
OKH	Okha	14.15 359 deP	Pn	17 53 09.1 +2.8
OKH	comp=Z,100nm,8.8s		pmax	
OKH	comp=Z,100nm,8.8s	MLR	MLR	
CN2	comp=Z,600nm,15.0s			
CN2	Changchun	14.15 294 eP	Pn	17 53 07.3 +0.9
CN2	comp=Z,400nm,15.0s	LR	LR	
CN2	comp=Z,570nm,15.0s	LR	LR	
CN2	comp=Z,590nm,16.0s	LR	LR	
SNY	Shenyang	15.27 285	P	17 53 28.8 +2.7
SNY	comp=Z,130nm,11.1s	LR	LR	17 56 28.0 +2.4
SNY	comp=N,350nm,12.5s	LR	LR	
SNY	comp=E,1µm,16.7s	LR	LR	
SNY	comp=Z,1µm,15.5s	LR	LR	
PETK	Petrovlovsk-	16.84 31	Pn	17 53 43.1 -0.3
PEA1	Petrovlovsk-	16.84 31 eP	P	17 53 43.1 -0.3
DL2	Dalian	16.92 275	P	17 53 49.5 +5.1
DL2	comp=Z,15nm,1.3s		pmax	
DL2	comp=Z,120nm,9.4s		pmax	
DL2	comp=N,440nm,15.0s	LR	LR	
DL2	comp=E,360nm,17.1s	LR	LR	
DL2	comp=Z,550nm,17.4s	LR	LR	
PET	Petrovlovsk	17.16 33	eP	17 53 48.0 +1.1
PET	Petrovlovsk	17.16 33	eP	17 53 48.0 +1.1
PET	comp=Z,41nm,1.1s		pmax	
ZEA	Zeya	18.08 328	eP	17 53 53.3 -3.6
ZEA	comp=Z,50nm,1.2s		pmax	
MA2	Magadan	20.71 11	eP	17 54 25.8 0.0
MA2	comp=Z,23nm,0.9s, baz=195,slow=9.3, SNR=12	LR	LR	18 02 46.8
MA2	Magadan	20.71 11 eP	P	17 54 25.9 +0.1
MA2	Magadan	20.71 11 c/P	P	17 54 26.2 +0.4
MA2	comp=Z,42nm,1.7s		pmax	
BJI	Beijing	20.95 280	iP	17 54 25.5 -3.0
BJI	comp=Z,6.0nm,1.0s		pmax	
TIA	Taian	21.01 270	P	17 54 26.5 -2.7
TIA	comp=Z,19nm,1.0s		pmax	
NJ2	Nanjing	21.22 257	eP	17 54 31.8 +0.3
NJ2	comp=Z,13nm,0.8s		pmax	
NJ2	comp=Z,220nm,18.5s	LR	LR	17 54 41.3 -0.2
NJ2	comp=Z,350nm,14.2s	LR	LR	17 54 43.5 +1.2
YAK	Yakutsk	24.16 344	eP	17 54 59.8 -1.6
YAK	comp=E,36nm,0.9s, baz=188,slow=8.3, SNR=67	ePPP	PPP	17 55 11.9 -0.4
YAK	comp=Z,25nm,0.9s	eS	S	17 55 31.1
YAK	comp=N,13nm,1.0s		pmax	17 55 49.8
YAK	comp=E,6.0nm,1.3s		pmax	17 59 14.4 -2.9
YAK	comp=Z,17nm,0.9s		pmax	
YAK	comp=N,10.0nm,1.1s		pmax	
YAK	comp=E,19nm,1.3s		smax	
YAK	comp=N,112nm,3.5s		smax	
YAK	comp=E,73nm,3.2s		smax	
YAK	comp=Z,332nm,19.0s		MLR	
YAK	comp=N,336nm,18.0s		MLR	
SEY	Seymchan	24.17 10	P	17 55 02.2 +0.8
HHC	Hu-ho-hao-te	24.34 284	eP	17 55 02.0 -1.5
HHC	comp=E,12nm,0.9s		pmax	17 59 22.0 +1.0
HHC	comp=E,51nm,6.3s		pmax	
HHC	comp=Z,190nm,12.1s	LR	LR	
HHC	comp=E,690nm,12.1s	LR	LR	
SSLB	Suanguilung	24.59 237	eP	17 55 03.2 -2.5
TWG	Pinliang	25.19 236	eP	17 55 09.4 -1.7
WHN	Wuhan	25.34 259	iP	17 55 11.5 -0.9
WHN	comp=E,100nm,0.8s		LR	
WHN	comp=E,430nm,8.4s		LR	
WHN	comp=E,710nm,10.1s		LR	
WHN	comp=E,910nm,15.6s		LR	
BTO	Baotou	25.54 283	eP	17 55 13.3 -1.0
BTO	comp=Z,36nm,0.9s, baz=188,slow=8.3, SNR=67	S	S	17 59 37.3 -2.8
GUMO	Guam	25.75 177	LR	18 04 38.6
BOD	Bodaibo	26.46 324	eP	17 55 21.7 -0.6
BOD	comp=Z,17nm,0.9s		pmax	
SONA0	Songino Array	27.89 300	eP	17 55 35.1 -0.3
SONM	Songino Array	27.89 300	eP	17 55 35.1 -0.3
XAN	Xi'an	28.07 270	eP	17 55 36.4 -0.7

XAN	comp=Z,5.4nm,1.0s	28.07 270	P	17 55 36.0 -1.0
XAN	Xi'an		pP	17 55 42.3 -2.6
XAN	comp=Z,9.0nm,1.6s		pmax	
XAN	comp=Z,130nm,4.6s		pmax	
XAN	Xi'an	28.07 270	eP	17 55 36.4 -0.7
XAN	comp=Z,5.0nm,1.0s		pmax	
H1N2	WAKE ISLAND Hy	28.16 127	T	18 26 32.2
H1N1	WAKE ISLAND Hy	28.17 127	T	18 26 33.1
H1N3	WAKE ISLAND Hy	28.18 127	T	18 26 41.0
H1S1	WAKE ISLAND Hy	28.97 129	T	18 27 34.4
H1S3	WAKE ISLAND Hy	28.97 129	T	18 27 28.0
H1S2	WAKE ISLAND Hy	28.99 129	T	18 27 35.8
ENH	Enshi	29.18 262	eP	17 55 44.9 -2.1
ENH	comp=Z,32nm,1.0s		pmax	
TLY	Talaya	30.07 307	P	17 55 53.6 -1.0
TLY	comp=Z,2.2nm,0.4s, baz=82,slow=19, SNR=3.0		LR	18 08 35.8
ZAK	Zakamensk	30.14 305	eP	17 55 54.5 -0.8
ZAK	comp=Z,6.0nm,1.0s		pmax	
BILL	Biilbino	31.30 16c	eP	17 56 05.8 +0.5
BILL	comp=Z,9.0nm,1.3s		pmax	17 57 10.4
LZH	Lanzhou	31.31 277	eP	17 56 10.0 +4.1
LZH	comp=Z,20nm,1.1s		LR	17 56 17.3 +0.3
LZH	comp=Z,400nm,13.0s		LR	17 56 20.5 +3.7
LZH	comp=Z,710nm,13.3s		LR	
LZH	comp=Z,700nm,14.4s		LR	
MOY	Mondy	31.70 307	eP	17 56 09.2 +0.1
MOY	comp=Z,12nm,1.6s		pmax	
TIXI	Tiksi	33.15 352	P	17 56 20.6 -0.8
TIXI	comp=Z,1.6nm,0.8s, baz=134,slow=6.4, SNR=4.6		LR	18 12 15.6
TIXI	comp=Z,177nm,18.2s, baz=164,slow=41		P	17 56 21.2 -0.1
TIXI	Tiksi	33.15 352	eP	17 56 21.1 -0.3
TIXI	comp=Z,3.9nm,1.1s		pmax	
TIXI	Tiksi	33.15 352c	eP	17 56 21.1 -0.3
TIXI	comp=Z,3.0nm,0.8s		pmax	
GYA	Guiyang	33.23 258	iP	17 56 21.8 -0.9
GYA	comp=Z,10.0nm,0.9s		pmax	18 01 36.5 -4.5
GYA	comp=Z,110nm,3.2s		pmax	
GYA	comp=Z,190nm,17.1s		LR	
GYA	comp=Z,190nm,14.9s		LR	
GYA	comp=Z,190nm,16.8s		LR	
CD2	Chengdu	33.31 268	eP	17 56 21.5 -1.9
GTA	Gaotai	33.46 284	P	17 56 24.8 +0.2
GTA	comp=Z,239nm		pP	17 56 31.5 -1.0
GTA	comp=Z,239nm		sP	17 56 37.0 +1.2
GTA	comp=Z,239nm		PcP	17 59 06.5 +1.2
GTA	comp=Z,239nm		S	18 01 46.0 +1.6
GTA	comp=Z,21nm,1.0s		pmax	
GTA	comp=Z,95nm,5.6s		pmax	
GTA	comp=Z,230nm,16.7s		LR	
GTA	comp=Z,600nm,15.8s		LR	
GTA	comp=Z,850nm,17.4s		LR	
QIZ	Qiongzong	35.37 245	P	17 56 40.3 -0.9
QIZ	comp=Z,300nm,16.7s		LR	18 02 12.8 -1.1
QIZ	comp=Z,320nm,16.2s		LR	
QIZ	comp=Z,300nm,15.7s		LR	
DGZ	Jazzator, Alta	40.35 304c	iP	17 57 23.5 +0.4
DGZ	comp=Z,9.0nm,0.7s		pmax	
NONG	Nongkai	40.80 250	P	17 57 28.3 +1.4
NONG	comp=Z,0.3nm,1.1s, comp=Z,239nm		P	17 57 31.7 +1.3
WMQ	Urumqi	41.24 295	eP	17 57 31.3 +0.9
WMQ	comp=Z,29nm,0.7s		pP	17 57 41.8 +0.1
WMQ	comp=Z,30nm,0.7s		pmax	
WMQ	comp=Z,66nm,4.7s		pmax	
WMQ	comp=Z,160nm,16.1s		LR	
WMQ	comp=Z,90nm,20.7s		LR	
WMQ	Urumqi	41.24 295	eP	17 57 31.7 +1.3
WMQ	comp=Z,29nm,0.7s		pmax	
ZAA0	Zalesovo Array	41.54 310	eP	17 57 32.3 -0.3
ZAA1	Zalesovo Array	41.54 310	ePcP	17 59 30.5 +0.9
ZALV	Zalesovo Beam	41.54 310	P	17 57 32.2 -0.5
ZALV	comp=Z,5.7nm,0.7s, baz=82,slow=7.7, SNR=24	PcP	P	17 59 30.5 +0.9
ZALV	comp=Z,4.6nm,0.8s, baz=104,slow=3.1, SNR=5.9		LR	18 15 29.6
SVW2	Sparrevohn	42.67 39	eP	17 57 43.3 +1.5
CHAI	Chaiyaphum	43.04 249	P	17 57 46.3 +1.0
CMMT	Chiang Mai	43.43 255	P	17 57 48.6 +0.1
CHTO	Chiang Mai	43.43 255	eP	17 57 47.6 -0.8
CHTO	comp=Z,4.9nm,0.8s		pmax	17 57 47.7 -0.8
CHTO	Chiang Mai	43.43 255	eP	17 57 47.7 -0.8
CM31	Chiang Mai Arr	43.65 255	eP	17 57 49.9 -0.4
CM31	comp=Z,3.4nm,0.8s		pmax	
CMAR	Chiang Mai Arr	43.65 255	eP	17 59 36.8 -0.4
CMAR	comp=Z,1.8nm,0.8s, baz=46,slow=6.9, SNR=15	PcP	P	17 59 36.8 -0.4
CMAR	comp=Z,0.9nm,0.8s, baz=64,slow=7.7, SNR=3.1	LR	LR	18 18 54.7
RSO	Redoubt South	44.06 40	eP	17 57 53.4 +0.2
MIK32	Makanchi Array	44.25 300	eP	17 57 53.5 -0.4
MIKAR	Makanchi Array	44.25 300	P	17 57 54.2 -0.5
MIKAR	comp=Z,9.2nm,0.8s, baz=84,slow=9.2, SNR=67	PcP	PP	17 59 37.6 -0.4
KDAK	Kodiak Island	44.28 44	iP	17 57 55.9 +1.2
MAK2	Makanchi	44.46 301	eP	17 57 56.1 -0.3
MAK2	comp=Z,13nm,1.0s		pmax	
MLY	Manley	44.99 33	eP	17 58 01.4 +1.0
SUA	Susitna One	45.01 38	eP	17 58 03.0 +2.3
RC01	comp=Z,5.8nm,0.8s	45.51 39	eP	17 58 05.4 +0.9
KURK	Kurchatov	45.76 307	eP	17 58 06.3 -0.3
KURK	comp=Z,20nm,0.8s		pmax	17 58 06.3 -0.3
RND	Reindeer	45.82 35	eP	17 58 06.7 -0.4

RND	Reindeer	45.82 35	eP	17 58 06.7 -0.4
RND	comp=Z,6.8nm,0.9s		pmax	
SML	Sawmill	46.14 38	eP	17 58 10.0 +0.4
SML	Sawmill	46.14 38	eP	17 58 10.0 +0.4
SML	comp=Z,7.0nm,0.9s		pmax	
COLA	College	46.22 33j	eP	17 58 12.3 +2.2
COLA	comp=Z,7.0nm,1.8s		pmax	
ILAR	Eielson Array	46.64 34	P	17 58 14.2 +0.8
ILB	Eielson Array	46.64 34	eP	17 58 14.5 +1.1
DOT	Dot Lake	47.95 35	eP	17 58 24.6 +1.0
MENT	Mentasta	48.18 36	eP	17 58 27.9 +2.4
GUN	Gumba	48.53 275	eP	17 58 28.7 -0.3
KKN	Kakani	49.05 275	eP	17 58 32.7 -0.1
PKI	Pulchoki	49.06 275	eP	17 58 32.4 -0.6
PKI	Pulchoki	49.07 275	eP	17 58 32.2 -0.8
BALM	Baldy	49.09 38	eP	17 58 34.2 +1.7
BALM	Baldy	49.09 38	eP	17 58 34.2 +1.7
KDJ	Kajisay	49.11 296	eP	17 58 33.1 +0.1
KDJ	Kajisay	49.11 296	eP	17 58 33.1 +0.1
DMN	Daman	49.27 275	eP	17 58 34.2 -0.4
GKN	Gorkha	49.44 275	eP	17 58 35.6 -0.2
DANN	Dangsing	49.95 276	eP	17 58 40.2 +0.4
BRVK	Borovoye	50.23 311c	iP	17 58 41.2 0.0
BRVK	comp=Z,8.0nm,0.8s		pmax	
OTUK	Ortayu	50.35 305	P	17 58 42.2 0.0
KOLN	Koldanda	50.36 276	eP	17 58 42.7 -0.1
KOLN	comp=Z,53nm,1.1s		pmax	
KSH	Kashi	50.92 293	P	17 58 50.8 +4.0
KSH	comp=Z,5.0nm,0.8s		pmax	17 59 00.5 +2.4
KSH	comp=Z,62nm,5.0s		pmax	18 06 03.8 +2.2
KSH	comp=Z,130nm,10.5s		LR	
KSH	comp=Z,300nm,15.9s		LR	
INK	Inuvik	51.55 28	eP	17 58 51.9 +1.1
INK	comp=Z,5.2nm,0.8s		pmax	17 58 51.9 +1.1
INK	Inuvik	51.55 28	eP	17 58 51.9 +1.1

28d 19h

Table of astronomical observations for 28d 19h, listing station names, coordinates, and observation details.

2013 JUL

Table of astronomical observations for 2013 JUL, listing station names, coordinates, and observation details.

1528

Table of astronomical observations for 1528, listing station names, coordinates, and observation details.

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

MAN 28 19:48:09.1, 9.25N, 125.67E, h0km, mb3.6, ML2.3, MS1.7, 1C, Mindanao

IDC 28 19:50:05.2, 1.5, 0.56N, 122.04E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/29, mbtmp3.4/3, Error ellipse: s-maj=208.6km s-min=25.1km az=61.0, Minahasa Peninsula, Sulawesi

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

ISCJB 28 19:52:02.7, 0.4, 2.3, 16S:03:03.68, 74W:0.05, h117km, 5km, mb4.0/4, Error ellipse: s-maj=8.0km s-min=4.7km az=4.3, IDC 28 19:52:02.1, 1.0, 2.3, 18S:68:32W, h2km, 12km, mb3.7/4, mb1 3.0/9, mb1mx3.6/26, mbtmp4.1/9, Error ellipse: s-maj=24.0km s-min=16.2km az=12.0, SJA 28 19:52:03.5, 0.4, 2.3, 15S:68:67W, h94km, 6km, ML3.3, MW3.3, NEIC 28 19:52:04.0, 0.0, 2.3, 14S:68:80W, h101km, mb3.8/4, ML4.0(GUC), After GUC, GUC 28 19:52:04.3, 0.6, 2.3, 14S:68:80W, h101km, 4km, ML4.0, ISC 28 19:52:02.8, 0.7, 2.3, 19S:04:46.60W, 0.05, h98km, 7km, n48, c1568/66, mb4.1/4, 4C-7D, Northern Chile

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PB10, PB07, GO02, etc.

ISK 28 19:55:37.9, 36:13N, 35:73E, h14km, ML2.7/16, ISCJB 28 19:55:39.1, 0.5, 36:16N, 0:04:35.69E, 0.04, h15km, Error ellipse: s-maj=6.6km s-min=4.1km az=160.9, DDA 28 19:55:39.3, 36:13N, 35:65E, h7km, 7km, ML2.8, ISC 28 19:55:38.5, 0.9, 36:20N, 0:04:35.71E, 0.03, h15km, n30, c092/34, Turkey

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

NEIC 28 20:03:09.6, 0.0, 61:58N, 141:08W, h1km, ML2.6(AEIC), After AEIC, PGC 28 20:03:10.3, 0.0, 61:59N, 141:08W, h5km, ML2.8/12, 21km WNW of Haines Jct., YI Southern Alaska, ISC 28 20:03:09.4, 1.0, 61:58N, 0:02:141.07W, 0.02, h6km, 9km, n48, c1521/81, Southern Alaska

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YUK2, YUK2, YUK3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GLB, WAX, YUK6, etc.

MOS 28 20:16:22.9, 0.1, 3.20'S, 174:54E, h33km, mb5.2/23, mb5.0/12, Error ellipse: s-maj=13.5km s-min=12.8km az=3.2, GCMT 28 20:16:22.9, 0.1, 20:50S, 0:01:174:81E, 0:01, h12km, MW5.3/129, Moment Tensor Solution, s90, c140, s129, c229; Duration: 1s1 Moment tensor: Scale 10^17 Nm; Mw: 0.14; M0: 1.06e+01; Mxx: 0.92e+01; Mxy: -0.02e+03; Myx: -0.00e+01; Mzz: 0.31e+03; Best double couple: M1: 0.4600e+17 Np1: 0.313, 0.0000e+00, 877, 0.0000e+00, 165, 0.0000e+00, NP2: 0.47, 0.0000e+00, 876, 0.0000e+00, 173, 0.0000e+00, Principal axes: T 1.0310, P19.0000e+00, Azm270.0000e+00; N 0.0270, P19.0000e+00, Azm93.0000e+00; P -1.0600, P19.0000e+00, Azm0.0000e+00; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISCJB 28 20:16:22.1, 0.1, 20:54S, 0:02:174:51E, 0:03, h33km, mb5.0/68, MS4.7/55, Error ellipse: s-maj=4.0km s-min=3.3km az=33.5, NEIC 28 20:16:23.9, 2.0, 20:55S, 174:69E, h47km, 4km, mb5.2/52, Error ellipse: s-maj=14.7km s-min=13.6km az=196.0, IDC 28 20:16:25.1, 4.2, 20:53S, 174:74E, h55km, 36km, mb4.5/17, mb1 4.7/20, mb1mx4.6/26, mbtmp4.8/20, ML4.3/3, MS4.5/26, Ms1 4.5/26, ms1mx4.5/32, Error ellipse: s-maj=20.2km s-min=16.8km az=76.0, BUJ 28 20:16:26.0, 0.0, 20:30S, 174:30E, h68km, mb4.9/49, HSSZ 28 20:16:23.6, 0.3, 20:66S, 0:05:174:58E, 0:06, h35km, n475, c1562/475, mb5.1/68, MS4.8/55, 41C-25D, Vanuatu Islands region

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

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Table with columns: IODE, Name, RA, Dec, P, S, T, Z, and other parameters. Includes stations like Terrebbonne, LZH Lanzhou, E04D Cinebar, etc.

Table with columns: IODE, Name, RA, Dec, P, S, T, Z, and other parameters. Includes stations like BDFB Brasilia, PRGR Permogore, ARCES ARCESS Array B, etc.

Table with columns: IODE, Name, RA, Dec, P, S, T, Z, and other parameters. Includes stations like SMOL Smolenice, BRU Budapest, PRU Pruhonice, etc.

WEL 28 20:21:34.7, 42°S: 1' + 17.4E: 1', h5km, 2km, M3.5/19, ML3.7/15, ML v3.5/19, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, BSZW Blackbirch Sta, etc.

28d 23h

Table with columns: Station, Time, Res, and other details. Includes stations like SUSA, KNB, U15A, GLI, TTA, ELK, PMR, RAGM, G08A, GHO, PKCU, HAWA, SCM, MTPU, MFID, D08A, BALM, KTH, F10A, PSI, RND, MCK, TMUT, HLID, PAX, SRU, HYT, WRH, RIDG, DOT, CCB, ILAR, ILB, TX31, TXAR, MCMT, DLMT, PRP, DAWY, EGAK, PD31, PDAR, BOH, YZZ, HHC, HHC, RLMT, CMAR, EPYK, INK, YKA, MKAR, ARCES, GEYT, FINES, NOAS, KASG, MILM, OJC, TLOC, BUR08, BURAR, BIZ, TESR, KOLS, BR131, BRTR, CFR, VRI, PLOS, ANTO, TRPA, OSTO, CHVC, HARR, ARCR, TLB, CLL, OKC, UPC, DPC, LANS, BRG, MORC, DORP, PVCC, MLR, PRU, GOCP, VOIR, DRGR, VYHS, JAVC, ARR, KRUC, TREC, SMOL, SMOL, MOCDS, SIRR, KHC, KHC, KHC.

2013 JUL

Table with columns: Station, Time, Res, and other details. Includes stations like GZR, GECZ, GERES, ELND, BZS, CONA, ISP, HERR, PLVB, MOA, SOKA, VTS, VTS, KBA, WATA, OBKA, RETA, WTAA, MOTA, MYKA, SQTA, ABTA, DAVA, FETA, BLY, BLY, FUORN, KEST, BKI, BKI, KBTR, MKZ, SPN, SDR, SDR, SMAR, KRER, AVH, KRX, GNL, KRMR, KRMR, NIUE, MARNC, PINNC, DZM, KNTN, RAR, MXZ, URZ, LHI, THZ, RPZ, FOZ, PPT, PPT, XMAS, KIDA, EJD, KWA, ARMA, CTAO, CAM, PMG, COEN, STK, STKA, MCQ, BBOO, KHLU, AIN, HLP, HUH, MLO, PNH, PUH, UWE, OBL, BYL, MAA, HMH, KEKH, HON, HON, OPA.

KRSC 28-24:05:02.6, 1.55, 25N x 166.20E, h38km, 14km, ML3.6, Komandorski Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other details. Includes stations like Bering, Krutoberegovo, Mys Kozlova, Mys Shipunski, Sedlovina, Somma, Koryakskii, Avacha, Arik, Ganaly, Karymskiiy, Khodutka, Kamc.

ISCJUB 28-23:14:18.0, 0.1, 17.83S, 0.04, 178.64W, 0.04, h57gkm, mb4.5/219, Error ellipse: s-maj=5.4km s-min=3.3km

NEIC 28-23:14:19.9, 1.2, 17.83S, 178.59W, h589km, 6km, mb4.5/240, Error ellipse: s-maj=15.4km s-min=12.5km

ISC 28-23:14:20.9, 2.1, 17.93S, 178.56W, h598km, 23km, mb3.8/12, mb1.4/13, mb1m33.8/22, mb1mp4.8/13, Error ellipse: s-maj=24.8km s-min=11.8km az=147.0

ISC 28-23:14:18.9, 0.3, 17.85S, 178.57W, 0.06, h575gkm, mb4.4/267/267, mb4.5/219, 2C, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and other details. Includes stations like Niue, Mare, Loyalty, Pines Island, Mont Dumuc, Kanton, Rarotoga, Matakaoa Point, Urewera, Lord Howe Island, Tophouse, Rata Peaks, Fox Glacier, Port Moresby, Port Moresby, Port Moresby, Coen, Stephens Creek, Stephens Creek, Macquarie Island, Buclekoe, Kahalu, Ainaohu, Haili Pali, Hualalai, Mauna Loa Obse, Keana, Keana, Uwekahuna, Observatory Le, Byron's Ledge, Mauna Loa, Humu'ula Sheep, Kekaha, Honolulu, Opana.

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Table with columns: Station, Time, Res, and other details. Includes stations like HLK, KHLH, WB2, WRAB, WR1, WRA, AS31, AS31, AS31, ASAR, ASAR, ASAR, ASAR, MTN, SAUI, FORT, FAKI, SOEI, PSAO, NWAO, LUWI, MORW, GIRL, JAGI, MJAR, MAJO, ADK, UGM, ATKA, YULB, NACB, SSSL, TPUB, UNV, YHNB, GQSA, KSM, PETK, PEAI, SDPT, CHIA, MCCM, USRK, USA0, SAO, PAGB, KCPM, SII, KMRM, PASC, MWC, OHAK, ISA, CMB, WDC, AFDM, ORV, PFO, KDAK, MDPB, YBH, OMBB, WAKR, DAC, BEKR, HUMO, PNTR, GLA, QIZ, RYN, PAHR, NVAR, NV11, 113A, KVN, TPNV, CNHP, BRLK, SHPR, H04A, SVW2, W13A, PINE, DIB, SEW, R11A.

Table with columns: ICAO, Name, Lat, Lon, Alt, Class, Status, Time, Res. Includes stations like BNM Battle Mountain, NLWA Neilton Loukou, WVOR Wild Horse Val, etc.

Table with columns: ICAO, Name, Lat, Lon, Alt, Class, Status, Time, Res. Includes stations like TXAR Lajitas Array, ANMO Albuquerque, MCMT McKenzie Canyo, etc.

Table with columns: ICAO, Name, Lat, Lon, Alt, Class, Status, Time, Res. Includes stations like GRGR Grenville, TOSP Spayside, GRHS Sauteurs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KRER Koryakskii, AVH Avacha, KRX Arik, etc.

ISCJB 29 00:47:44.5:0.4, 24.12N:0.03:122.87E:0.02, h50km, 8km, Error ellipse: s-maj=5.0km s-min=2.6km az=178.5

JMA 29 00:47:44.3:0.1, 24.178N:122.87E, h57km, 3km, M2.3

TAP 29 00:47:44.5:2.4, 15N:122.89E, h48km, ML3.1, C

ISC 29 00:47:44.8:1.2, 24.11N:0.04:122.88E:0.02, h47km, 11km, n58, e0.97/106, 1C, Taiwan region

Main table of station data for the 29d 1h period, listing station names, coordinates, and seismic parameters.

Table of station data for the 2013 JUL period, including stations like WYUT Xinyi Township, WHYU, ELDTW Lidau, etc.

LDG 29 00:56:41.2:0.0, 48.06N:6.98E, h12km, Md1.8/4, M1.9/8, Error ellipse: s-maj=1.0km s-min=0.7km az=174.0

STR 29 00:56:41.3:0.3, 48.11N:6.98E, h7km, MLV1.3/6, France

Main table of station data for the 2013 JUL period, listing station names, coordinates, and seismic parameters.

ISC 29 01:26:00.8:1.1, 6.63S:150.57E, h0km, mb4.1/6, mb1 4.4/7, mb1mx4.0/36, mbtmp4.1/7, ML2.1/1, MS3.1/3, Ms1 3.1/3, ms1mx2.7/32, Error ellipse: s-maj=53.3km s-min=20.4km az=120.0

ISCJB 29 01:26:04.4:0.9, 6.65S:0.2:150.45E:0.2, h33km, mb4.0/5, MS2.9/2, Error ellipse: s-maj=37.5km s-min=10.5km az=42.1

ISC 29 01:26:05.9:1.0, 6.65S:0.2:150.5E:0.2, h33km, n12, e0.96/110, mb4.0/5, New Britain region

Main table of station data for the 2013 JUL period, listing station names, coordinates, and seismic parameters.

ISC 29 01:38:44.8:2.6, 32.39N:49.30E, h0km, mb3.6/3, mb1 3.5/4, mb1mx3.3/41, mbtmp3.5/4, ML3.4/1, Error ellipse: s-maj=71.5km s-min=29.8km az=154.0

THR 29 01:38:44.9, 32.52N:49.65E, h14km, ML3.3

ISCJB 29 01:38:45.6:0.5, 32.46N:0.04:49.60E:0.04, h19km, mb3.5/3, Error ellipse: s-maj=7.2km s-min=3.8km az=34.8

TEH 29 01:38:45.3, 32.55N:49.69E, h8km, ML3.4

ISC 29 01:38:47.0:8, 32.50N:0.05:49.63E:0.04, h19km, n56, e1.93/54, mb3.6/3, Western Irian

Main table of station data for the 2013 JUL period, listing station names, coordinates, and seismic parameters.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include CHAI, WRA, PAYA, ASAR, etc.

VAO 29 01:42:19.8,0.0,15.22S;76.99W,h10km,mb4.7
IDC 29 01:42:29.7,0.0,15.23S;75.54W,h0km,mb4.0/1.1
mb1 4.2/1.5,mb1mx4.1/3.8,mbtmp4.1/1.5,ML3.5/4,MS3.8/1.7,
Ms1 3.8/1.7,ms1mx3.7/2.6,Error ellipse: s-maj=27.2km
s-min=13.9km az=54.0

NEIC 29 01:42:31.8,0.0,15.23S;75.82W,h33km,4km,mb4.5/4.0,
Error ellipse: s-maj=17.3km s-min=7.8km az=58.0

ISC 29 01:42:31.8,0.0,15.23S;75.82W,h33km,4km,mb4.5/4.0,
Error ellipse: s-maj=17.3km s-min=7.8km az=58.0

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include NNA, NNA, NNA, etc.

BUI 29 01:43:28.5,0.0,4.44N;94.74E,h55km,mb4.8/3.6,
mb4.8/2.2,Ms4.1/1.5,MS7.3/8/1.2
ISCJB 29 01:43:31.2,0.0,2.50N;102.03;94.64E;0.03,h43km,
mb4.0/1.01,MS3.7/1.7,Error ellipse: s-maj=5.3km
s-min=2.8km az=29.2

MOS 29 01:43:33.5,1.1,5.25N;94.79E,h59km,Ms5.0/4.4,Error
ellipse: s-maj=9.3km s-min=5.0km az=114.1

NEIC 29 01:43:35.0,2.7,5.08N;94.75E,h65km,8km,mb4.6/4.8,
Error ellipse: s-maj=14.8km s-min=11.6km az=221.0

NEIC Feit [III] at Banda Aceh.

IDC 29 01:43:36.1,2.9,5.21N;94.76E,h67km,25km,mb4.2/2.3,
mb1 4.3/2.6,mb1mx4.1/1.4,mbtmp4.4/2.6,MS3.5/9,
Ms1 3.5/9,ms1mx3.3/2.8,Error ellipse: s-maj=19.5km
s-min=10.6km az=44.0

DJA 29 01:43:39.2,1.0,5.15N;9.5E;h12km,9km,M4.7/9,
ms5.0/1,ms5.0/2,MS4.4/4.5,MWMBJ4.9/2

ISC 29 01:43:32.4,0.0,5.05N;105.94E;0.05,h43km,n262,
c1862/275,mb4.7/102,MS3.7/17,23C-16D,Northern
Sumatera

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include MSLI, MSLI, CMBY, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include X16A, JLJU, PDAR, etc.

BUI 29 01:43:28.5,0.0,4.44N;94.74E,h55km,mb4.8/3.6,
mb4.8/2.2,Ms4.1/1.5,MS7.3/8/1.2
ISCJB 29 01:43:31.2,0.0,2.50N;102.03;94.64E;0.03,h43km,
mb4.0/1.01,MS3.7/1.7,Error ellipse: s-maj=5.3km
s-min=2.8km az=29.2

MOS 29 01:43:33.5,1.1,5.25N;94.79E,h59km,Ms5.0/4.4,Error
ellipse: s-maj=9.3km s-min=5.0km az=114.1

NEIC 29 01:43:35.0,2.7,5.08N;94.75E,h65km,8km,mb4.6/4.8,
Error ellipse: s-maj=14.8km s-min=11.6km az=221.0

NEIC Feit [III] at Banda Aceh.

IDC 29 01:43:36.1,2.9,5.21N;94.76E,h67km,25km,mb4.2/2.3,
mb1 4.3/2.6,mb1mx4.1/1.4,mbtmp4.4/2.6,MS3.5/9,
Ms1 3.5/9,ms1mx3.3/2.8,Error ellipse: s-maj=19.5km
s-min=10.6km az=44.0

DJA 29 01:43:39.2,1.0,5.15N;9.5E;h12km,9km,M4.7/9,
ms5.0/1,ms5.0/2,MS4.4/4.5,MWMBJ4.9/2

ISC 29 01:43:32.4,0.0,5.05N;105.94E;0.05,h43km,n262,
c1862/275,mb4.7/102,MS3.7/17,23C-16D,Northern
Sumatera

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include MSLI, MSLI, CMBY, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Rows include QIZ, QIZ, QIZ, etc.

29d 2h

Table with columns for station name, frequency, mode, and other parameters. Includes stations like WMQ, KNRA, BJT, NRR, BJI, KDJ, GAR, PDGK, TKM2, AAK, MK31, MKAR, MKAZ, TJN, HO1W3, SONA0, SONM, ULN, KSRS, WRAB, WRAB, WB2, GEYT, GYA0B, OTUK, TLY, CN2, KURK, ASAR, ZALV, MAJO, MJAR, MJAR, USRK, BRVK, BRVK, AB31, KLR, KLR, PMG, PMG, BBOO.

2013 JUL

Table with columns for station name, frequency, mode, and other parameters. Includes stations like AKTO, CTA, HTT, GNI, QLP, STKA, STKA, SVE, ARU, ARU, YSS, NCK, KBZ, KIV, YAK, BRTR, VSR, MOS, OBK, MA2, KLMR, PHSR, CFR, AKAS, AKBB, AKBB, VRI, VRI, PLO, TESE, TESE, MLR, BIZ, PLVB, VOIR, VOIR, ARR, PUL, VTS, STIP, DRGR, DRGR, VSU, TRPA, LVZ, KWP, KWP, BZS, KOLS, KOLS, KOLS, FIAO, FIAO, FINES, SUF, SUF, PDG, NIE, NIE, OJC, OJC, OJC, VYHS, VYHS, VYHS, SRO, SRO, OKC, OKC, JAV, MORC, MORC, MODS, ZST, ZST, ARCES, VRAC, KRUC, BILL, BILL, DPC, DPC, KSP, KSP, CONA, OSTC, OSTC, CHVC, ARSA, SOKA, OBKA, PRU, PRU, MOA, MYKA, GERES.

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Table with columns for station name, frequency, mode, and other parameters. Includes stations like GERES, KHC, KHC, ABTA, WTTA, WATA, SQTA, MOTA, RETA, FETA, NOA, NOA, FUORN, DAVA, TUE, KEST, SENIN, ESDC, CAST, ILAR, ILB, INK, ULM, NV01, NVAR, PDAR, TXAR, TXAR, CPUP, ISC 29.01:54.49.1.0, RAR, RAR, URZ, HNR, ASAR, ASAR, WRA, WRA, ARCES, BRTR, GERES, ISC 29.02:26.25.1.0, ISC 29.02:26.25.4.0, NEIC, BUJ, ISC 29.02:26.50.4.0, PBA, UMPA, CM31, CMAR, CMAR, CMAR, CHTO, CHTO, CMMT, UTTA, KRAB, SHL, PALK, PALK, PALK, PKR, PKR, PKIN, DMN, GKN, KOLN, DANN, DANN, LZH, LZH, LZH, LZH, XAN, GTA, GTA, GTA.

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

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PB07, PB06, PB02, etc.

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

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

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like BNI, MAG2, SUMG, TOA1, TORO, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like X16A, BC3, LGNH, ANMO, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like PAGB, CWC, TPNV, etc.

ISCJB 29 05:49:33.8-0.4, 4.64S:0.06:104.92W:0.04, h13km, mb4.6/180, MS3.6/15, Error ellipse: s-maj=8.6km s-min=5.8km az=15.2

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like CMIG, APG, CCIG, JTS, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like LRAL, 150A, GSC, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res. Includes stations like S44A, W53A, SIUC, etc.

29d 5h

Table with columns: Station ID, Name, Frequency, Power, Distance, Azimuth, Elevation, and other parameters. Includes stations like Y58A, U51A, N23A, etc.

2013 JUL

Table with columns: Station ID, Name, Frequency, Power, Distance, Azimuth, Elevation, and other parameters. Includes stations like V61A, O48A, LOHW, etc.

1544

Table with columns: Station ID, Name, Frequency, Power, Distance, Azimuth, Elevation, and other parameters. Includes stations like WALA, F49A, E47A, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, H11N1 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, JNU Nakatsue, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DNP Denpasar, SRBI Singaraja, JAGI Jagaj, etc.

WEL 29 06:32:00.6, 42°S, 177°E, h14km, 3km, M3.8/24, ML 4.0/18, MLv3.8/24, Error ellipse: s-maj=0.0km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMWZ Cape Campbell, TUWZ Tuamarina, BSWZ Blackbirch Sta, etc.

ISCJB 29 06:38:59.1, 3.5°S, 0.1°E, 146.7E, 0.2, h150km, mb3.9/2, Error ellipse: s-maj=27.1km, s-min=15.1km, az=29.4

DDA 29 06:50:47.7, 39°34'N, 147°11'E, h181km, mb3.7/2, mb1 4.0/5, mb1mx3.3/35, mbtmp4.4/5, MS2.9/1, Ms1 2.9/1, ms1mx2.4/25, Error ellipse: s-maj=96.6km, s-min=26.9km, az=131.0

ISC 29 06:39:00.2, 1.3, 5.1°S, 0.1, 146.6E, 0.2, h150km, n13, c272/15, Eastern New Guinea region

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

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MTSU Mount Surprise, CTA Charters Tower, SJUI Sorong, etc.

ISC 29 06:50:42.3, 1.6, 6.59°N, 75°86'W, h0km, mb3.3/3, mb1 3.8/4, mb0.50/3.25, mbtmp3.4/4, ML2.7/1, Error ellipse: s-maj=153.4km, s-min=21.3km, az=51.0

ISCJB 29 06:50:45.6, 0.3, 4.39°N, 0.02, 76°36'W, 0.03, h122km, mb3.4/3, Error ellipse: s-maj=4.3km, s-min=2.7km, az=26.1

RSNC 29 06:50:46.5, 1.0, 4.37°N, 76°36'W, h122km, 5km, ML3.2, Mw3.5

ISC 29 06:50:45.7, 0.9, 4.40°N, 0.03, 76°36'W, 0.03, h122km, n37, c154/67, mb3.2/3, 7C-6D, Colombia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YOTC Yotoco, PLMC San Jos del P, PLMC Bahia Malaga, etc.

NORC Norcasia, comp=E, 148nm, 0.5s

BETC Betania, 1.94 152 eP, Pn, 06 51 18.9 +0.3

ROSC El Rosal, 2.08 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

ROSC El Rosal, 2.10 78 Pn, Pn, 06 51 22.6 +2.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DURS Dursunbey, USAK Ujak-Merkez, ULDT Uludag, etc.

SNET 29 07:27:01.9, 1.1, 13°13'N, 90°02'W, h28km, 3km, ML3.1, CGG 29 07:27:03.0, 0.7, 13°11'N, 90°07'W, h60km, 95km, MD3.7

ISC 29 07:01:02.1, 6.2, 5.13°N, 0.1, 90°01'W, 0.05, h15km, n11km, n16, c06/20, Near coast of Guatemala

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CEVE Cerro Verde, RTR El Retiro, RTR San Andres, etc.

ISCJB 29 07:33:34.0, 0.6, 7.84°N, 0.05, 126°74'E, 0.05, h68km, mb3.9/9, Error ellipse: s-maj=6.9km, s-min=6.7km, az=18.8

DDA 29 07:33:36.2, 2.6, 7.89°N, 126°57'E, h74km, 23km, mb3.6/9, mb1 3.8/9, mb1mx3.5/40, mbtmp3.9/9, MS2.9/6, Ms1 2.9/6, ms1mx2.7/37, Error ellipse: s-maj=36.6km, s-min=16.3km, az=79.0

ISC 29 07:33:35.8, 0.7, 7.85°N, 0.05, 126°68'E, 0.08, h68km, n36, c1577/29, mb3.9/9, 5C-2D, Mindanao

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

WRA Warramunga Arr, 28.63 165 P, Pn, 06 51 27.0 +1.0

CMAR Chiang Mai Arr, 28.95 294 LR, LR, 07 50 26.5

KSR5 Korea Array, 29.49 2 39 LR, LR, 07 52 39.2

MJAR Matsushiro Arr, 30.43 43 LR, LR, 07 52 35.7

ASAR Alice Springs, 32.11 167 P, P, 07 53 56.6 -0.1

ASAR 0.8nm, 0.5s, baz=351, slow=2.4, SNR=6, PcP, P, 07 42 45.5 +0.7

USRK Ussuriysk Arr, 36.50 6 P, P, 07 40 32.9 -1.6

H11S3 WAKE ISLAND Hy 40.27 71 T, T, 08 24 16.4

H11S1 WAKE ISLAND Hy 40.28 71 T, T, 08 24 23.7

H11S2 WAKE ISLAND Hy 40.29 71 T, T, 08 24 19.3

H11N1 WAKE ISLAND Hy 40.68 69 T, T, 08 25 03.9

H11N2 WAKE ISLAND Hy 40.69 69 T, T, 08 25 08.4

H11N3 WAKE ISLAND Hy 40.70 69 T, T, 08 25 06.6

PETK Petropavlovsk-1, 51.67 23 P, P, 07 42 37.8 +2.2

MKAN Makanchi Arr, 54.20 324 P, P, 07 42 54.3 -0.2

KURBB Kurchatov Arr, 58.29 326 P, P, 07 43 22.4 -1.0

BVAT Borovoye Arr, 63.86 326 LR, LR, 08 13 02.8

GYER Giesse Arr, 68.20 332 P, P, 08 16 49.4

KBZ Khabaz, 80.14 313 LR, LR, 08 24 08.9

ILAR 0.9nm, 0.5s, baz=248, slow=4.6, SNR=7.6, P, 07 45 45.3 +0.2

FINES ARCES Array B, 86.59 340 P, P, 07 46 11.7 +0.3

FINES ARCES Array B, 86.59 340 P, P, 07 46 11.7 +0.3

TXAR Lajitas Array, 119.07 50 PKP, PKP, 07 52 19.2 -0.2

TORD Torrid Ar. Bea, 121.52 291 PKP, PKP, 07 52 22.1 -0.5

PLCA Paso Flores, 143.83 158 PKP, PKP, 07 53 03.4 +1.9

ISCJB 29 07:34:20.3, 0.9, 3°18'N, 122°77'E, h425km, mb3.8/8, Error ellipse: s-maj=39.6km, s-min=11.9km, az=77.7

DDA 29 07:34:23.9, 18.0, 3°19'N, 122°77'E, h425km, 256km, mb3.8, mb1 3.5/8, mb1mx3.1/41, mbtmp4.2/8, Error

29d 7h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like General Santos, Warrungarra Arr, Alice Springs, Korea Array, Matushiro Arr, Narrogin (SRO), Stephens Creek, Ussuriysk Ar, Songjino Array.

ISC/JB 29:07:47.21.7.0.3, 43.55N.0.02.13.72E.0.03, h11km, 2km, Error ellipse: s-maj=3.6km s-min=3.0km az=23.8 ROM 29:07:47.21.6.0.4, 43.52N.0.01.13.72E.0.03, h8km, 1km, ML2, 6/27, Error ellipse: s-maj=2.7km s-min=0.8km az=244.0

ISC 29:07:47.21.9.0.8, 43.51N.0.02.13.72E.0.03, h11km, 5km, n52, r1504/60, Central Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ancona, Marolino, Pietralacroce, Civitanova Mar, Capodarco di F Treia, Senigallia, Cingol, Elcito, Cessapalombo, Esanatoglia, Fioridomonte.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pesaro, Serrava, Abbazia di Nar, Pleia, Teramo, Assisi San Ben, Pietralunga.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Monte Val, Leonessa, Dugi Otok, Vila Celiera, Castiglione Fio, Montegabbione, Morici, Ubbina, Makarska, Ljubljana, Graiana.

Code	Station Name	Δ ^a	AZ ^b	Phase ID	Time Res	ISC	h	m	s	ISC
GRAM	comp=N,1023μm,0.2s									
STON	Ston	2.98 101	ePn	Pn	07 48 09.3	+0.3				
STON	Ston	2.98 101	AML	AML						
STON	comp=E,28μm,0.7s									
STON	comp=E,28μm,0.7s									
STON	comp=N,31μm,0.7s									
STON	comp=N,31μm,0.7s									
STON	comp=E,28μm,0.7s									
OBKA	Obir	3.05 11	i Pn	Pn	07 48 11.5	+1.4				
OBKA	comp=N,26nm,0.7s									
MYKA	Terra Mystica	3.12 359	i Pn	Pn	07 48 11.8	+0.7				
MYKA	comp=N,3nm,0.5s									
MAGA	Magasa	3.16 317	AML	AML						
MAGA	comp=N,88μm,0.5s									
MAGA	comp=E,163μm,0.7s									
MAGA	comp=N,88μm,0.5s									
MAGA	comp=E,163μm,0.7s									
MAGA	comp=N,88μm,0.5s									
MAGA	comp=E,163μm,0.7s									
SOKA	Soboth	3.30 16	i Sg	Sg	07 49 07.7	-0.1				
ABTA	Abfältersbach	3.35 346	i Pn	Pn	07 48 15.2	+1.0				
ABTA	comp=E,3.2nm,0.6s									
KBA	Koelnbreinsper	3.58 356	i Pn	Pn	07 48 19.0	+1.6				
KBA	comp=E,1.0nm,0.3s									
ARSA	Arzberg	3.95 18	i Pn	Pn	07 48 22.1	-0.3				
ARSA	comp=E,1.6nm,0.3s									
WTTA	Wattenberg	4.03 339	i Sn	Sn	07 49 11.7	+0.8				
WTTA	comp=E,6.3nm,0.5s									
FETA	Feichten	4.10 330	i Pn	Pn	07 48 22.6	-1.9				
FETA	comp=E,2.5nm,0.5s									
SQTA	Sankt Quirin	4.11 335	i Sn	Sn	07 49 13.2	+0.3				
SQTA	comp=E,5.5nm,0.3s									
WATA	Walderalm	4.11 339	i Pn	Pn	07 48 25.3	+0.5				
WATA	comp=E,3.0nm,0.3s									
MOTA	Moosalm	4.25 335	i Pn	Pn	07 48 26.6	-0.1				
MOTA	comp=E,2.0nm,0.3s									
MOA	Molin	4.36 5	i Pn	Pn	07 48 24.7	-3.3				
MOA	comp=E,0.5nm,0.2s									
MOA	comp=E,6.9nm,0.7s									
<p>SJA 29 07:48:09.5-0.5,22.01S:67.46W,h203km_z6km,ML2.5,MW3.5 ISCJB 29 07:48:11.6±1.1,22.04S:0.06±67.54W,0.05, h185km,12km,Error ellipse: s-maj=9.5km s-min=6.4km az=24.6 GUC 29 07:48:12.0-0.6,22.05S:67.78W,h198km_z6km,ML3.4 ISC 29 07:48:10.7±2.4,22.05S:0.06±67.52W,0.05, h193km,22km,19,±0.78/31,10C-3D,Chile-Bolivia</p>										
<p>border region</p>										
LVC	Limon Verde	1.41 247	i P	Pn	07 48 43.8	+0.4				
LVC	Limon Verde	1.41 247	eP	Pn	07 48 44.0	+0.6				
LVC	IPOC Station P	1.62 279	i S	Sn	07 49 08.5	-0.2				
PB09	IPOC Station P	1.62 279	i Pn	Pn	07 48 46.2	+1.0				
PB09	IPOC Station P	1.62 279	i S	Sn	07 49 11.9	+0.1				
YJA	Yavi	1.86 94	i P	Pn	07 48 47.7	-0.1				
YJA	comp=N,228nm,0.4s									
YJA	IPOC Station P	2.01 251	i Pn	Pn	07 49 16.4	-0.1				
PB06	IPOC Station P	2.01 251	i Pn	Pn	07 48 49.5	+0.4				
PB06	IPOC Station P	2.01 251	i S	Sn	07 49 18.2	-0.6				
PB06	IPOC Station P	2.01 251	i Pn	Pn	07 49 19.3					
PB03	IPOC Station P	2.08 270	i P	Pn	07 48 50.1	+0.3				
PB03	IPOC Station P	2.08 270	i S	Sn	07 49 18.9	-1.1				
PB03	IPOC Station P	2.08 270	i Pn	Pn	07 49 20.0					
PB01	IPOC Station P	2.09 298	i P	Pn	07 48 50.4	+0.5				
PB01	IPOC Station P	2.09 298	i S	Sn	07 49 19.8	-0.5				
PB01	IPOC Station P	2.09 298	i Pn	Pn	07 49 20.7					
PB15	IPOC Station P	2.14 237	i S	Sn	07 49 21.9	+0.5				
PB15	IPOC Station P	2.14 237	i Pn	Pn	07 48 51.3	+0.8				
PB15	IPOC Station P	2.14 237	i S	Sn	07 49 21.4	-0.1				
PB07	IPOC Station P	2.23 278	i Pn	Pn	07 48 52.0	+0.6				
PB07	IPOC Station P	2.23 278	i Pn	Pn	07 48 51.9	+0.6				
PB07	IPOC Station P	2.23 278	i S	Sn	07 49 21.6	-1.3				
PB07	IPOC Station P	2.23 278	i Pn	Pn	07 49 23.1					
HJA	Humahuaca	2.26 121	i P	Pn	07 48 52.4	+0.4				
HJA	comp=N,184nm,0.2s									
PB02	IPOC Station P	2.33 288	i Pn	Pn	07 48 52.8	+0.4				
PB02	IPOC Station P	2.33 288	i S	Sn	07 49 23.6	-1.3				
PB08	IPOC Station P	2.44 321	i Pn	Pn	07 48 54.2	+1.9				
PB04	IPOC Station P	2.46 263	i Pn	Pn	07 48 54.3	+0.4				
PB04	IPOC Station P	2.46 263	i S	Sn	07 49 26.2	-1.3				
PB04	IPOC Station P	2.46 263	i Pn	Pn	07 49 27.5					
GO01	Chusmiza	2.85 326	i P	Pn	07 48 59.7	+1.0				
GO01	IPOC Station P	3.04 318	i Pn	Pn	07 49 00.7	+0.1				
PB11	IPOC Station P	3.04 318	i Pn	Pn	07 49 00.7	+0.1				
PB11	IPOC Station P	3.04 318	i S	Sn	07 49 38.1	-1.5				
AZAP	Zapla	3.12 134	i Pn	Pn	07 49 01.8	+0.1				
AZAP	comp=N,2.3nm,0.5s									
MNMC	Minys Minys	3.50 326	i P	Pn	07 49 07.1	+0.6				
<p>BJI 29 08:07:58.4±0.0,36.63N:70.43E,h197km,mb4.8/50, mB4.8/33 ISCJB 29 08:07:58.9±0.2,36.48N:0.02±70.58E±0.02,h197km_z2km, mB4.8/235,Error ellipse: s-maj=2.8km s-min=2.1km az=43.0 MOS 29 08:07:59.1±1.0,36.48N:70.62E,h201km,mb4.8/63,Error ellipse: s-maj=5.4km s-min=3.7km az=102.3 NEIC 29 08:08:01.0±2.1,36.50N:70.54E,h207km_z5km,mb4.8/151, Error ellipse: s-maj=9.0km s-min=7.9km az=86.0 NEIC Felt at Abbottabad, Pabbi and Peshawar, Pakistan. IDC 29 08:08:01.7±0.4,36.43N:70.61E,h213km_z3km,mb4.4/34, mb1.4/37,mb1mx4.3/48,mbtmp5.0/37,Error ellipse: s-maj=7.6km s-min=6.0km az=14.0 GCMT 29 08:08:02.0±0.3,36.50N:0.02±70.47E±0.03,h208km_z2km, MW5.1/87, Moment Tensor Solution. s31,c34; s87,c117; Duration: 0 Moment tensor: Scale 10¹⁰N; M2:9±19; Mw:2.1±.27; Mw-0.7±.24; Mw-4.2±.17; Mw1.7±.23; Mw-1.8±.15; Best double couple: Ms:4.0300×10¹⁶ N1:1.264.00000; S7:5.00000; P6:6.00000; N2: e:143.00000; a28.00000; λ:146.00000; Principal axes: T 6.1850,Plg54.0000; Azm145.0000; N -1.5620. Plg23.0000; Azm270.0000; P -4.6200,Plg26.0000; Azm12.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function</p>										
NNC 29 08:08:09.7±6.2,27.22N:71.10E,h272km _z 68km,mb4.7, mpv5.9 Error ellipse: s-maj=85.9km s-min=31.3km az=0.0 ISC 29 08:08:00.4±0.3,36.49N:0.03±70.56E±0.03,h201km _z 2km, h201km _z 2km,mpv6.9,n609,±171/679,mb4.8/255,38C-16D, Hindu Kush region										
Code	Station Name	Δ ^a	AZ ^b	Phase ID	Time Res	ISC	h	m	s	ISC
KBL	Kabul	2.30 213	ePn	Pn	08 08 42.4	-0.1				
KBL	Kabul	2.30 213	ePn	Pn	08 09 13.8					
GAR	Garm	2.51 356	ePn	Pn	08 08 44.3	-0.3				
GAR	Garm	2.51 356	eSn	S	08 09 17.0	-1.6				
GAR	Garm	2.51 356	ePn	Pn	08 08 44.3	-0.3				
GAR	Garm	2.51 356	ePn	Pn	08 09 17.0	-1.6				
CEP	Cherat	2.88 157	eP	S	08 08 49.4	+0.5				
CEP	Cherat	2.88 157	eP	S	08 09 25.0	-1.1				
CHCP	Chirah Chowk	3.59 141	eP	Pn	08 08 58.1	+0.8				
NIL	Nilore	3.59 141	ePn	Pn	08 08 58.2	+0.9				
NIL	Nilore	3.59 141	ePn	Pn	08 08 58.2	+0.9				
THW	Thamme Wali	3.81 165	ePn	Pn	08 09 00.1	+0.1				
SARP	Sargodha	4.88 158	ePn	Pn	08 09 13.0	-0.3				
TAS	Tashkent	4.93 349	ePn	Pn	08 09 13.7	-0.2				
KSH	Kashi	5.24 53	ePn	Pn	08 09 13.0	-0.4				
KSH	Kashi	5.24 53	ePn	Pn	08 10 03.5	-1.5				
KSH	comp=N,12μm,0.4s									
KSH	comp=E,11μm,0.7s									
AML	Almayashu	6.14 22	ePn	Pn	08 09 28.8	-0.9				
DHRM	DHARAMSHALA	6.36 130	ePn	Pn	08 09 32.0	-0.5				
DHRM	DHRM	6.36 130	eS	S	08 10 41.9	-3.3				
DHRM	DHRM	6.36 130	i Pn	Pn	08 10 44.1					
DHRM	DHRM	6.36 130	i Pn	Pn	08 10 44.5					
UCH	Uchtor	6.50 27	ePn	Pn	08 09 33.6	-0.8				
UCH	Uchtor	6.50 27	ePn	Pn	08 09 33.6	-0.8				
KK31	Karatay Array	6.61 360	ePn	Pn	08 09 34.6	-0.8				
KK31	Karatay Array	6.61 360	eSn	S	08 10 45.5	-5.0				
KK31	Karatay Array	6.61 360	ePn	Pn	08 09 34.2	-1.2				
KK31	comp=E,824nm,0.5s,baz=174,slo=40,SNR=10									
KK31	Karatay Array	6.61 360	ePn	Pn	08 09 34.6	-0.8				
KKAR	Karatay Array	6.61 360	ePn	Pn	08 09 34.6	-0.8				
KKAR	Karatay Array	6.61 360	eSn	S	08 10 44.6	-6.0				
KKAR	Karatay Array	6.61 360	ePn	Pn	08 09 34.6	-0.8				
EKS2	Erkin-Say	6.65 21	ePn	Pn	08 09 35.4	+0.6				
EKS2	Kyzart	6.65 21	ePn	Pn	08 09 35.4	+0.6				
KZA	Kyzart	6.66 32	ePn	Pn	08 09 35.3	-1.3				
AAK	Ala-Archa	6.85 25	ePn	Pn	08 09 38.6	-0.2	</			

BRG		i	PP	pP	08 16 14.2	-3.3
BRG			pmax			
MOA	Mollin	42.36 304	i P	P	08 15 35.6	+1.0
MOA	comp=Z,6.0nm,1.0s					
IPM	lphoh	42.40 131	eP	P	08 15 35.1	-0.1
IPM	comp=Z,19nm,1.1s					
PSI	Prapat	42.52 135	eP	P	08 15 35.8	-0.6
PSI	comp=Z,46nm,0.7s,baz=300,slow=6.0,SNR=15					
PSI	Prapat	42.52 135	eP	P	08 15 35.6	-0.8
PSI	Prapat	42.52 135	eP	P	08 15 35.6	-0.8
PSI	comp=Z,54nm,0.8s					
GE2C	GERESS Array S	42.64 305	eP	P	08 15 37.8	+0.9
GE2C	comp=Z,3.0nm,1.0s					
GERES	GERESS Array B	42.64 305	eP	P	08 15 38.6	+1.7
GERES	comp=Z,0.7nm,0.2s,baz=90,slow=7.8,SNR=3.9					
KHC	Kasperske Hory	42.70 306	eP	P	08 15 39.4	+2.1
KHC	comp=Z,4.8nm,0.8s,baz=85,slow=8.2,SNR=4.0					
KHC	Kasperske Hory	42.70 306	eP	P	08 16 22.5	+2.7
KHC	comp=Z,1.6nm,0.5s,baz=98,slow=7.9					
KHC	Kasperske Hory	42.70 306	eP	P	08 16 17.0	-3.6
KHC	comp=Z,2.4nm,0.8s					
CLL	Collm	42.92 309	eP	P	08 15 40.0	+1.0
CLL	comp=Z,5.2nm,0.8s					
CLL	Collm	42.92 309	eP	P	08 15 40.0	-0.3
CLL	comp=Z,6.0nm,0.8s					
CLL	Collm	42.92 309	eP	P	08 15 40.0	+1.0
CLL	comp=Z,6.0nm,0.8s					
CLL	Collm	42.92 309	eP	P	08 16 18.0	+0.2
CLL	comp=Z,2.4nm,1.2s					
CLL	Collm	42.92 309	eP	P	08 16 48.0	+2.9
CLL	comp=Z,2.4nm,1.2s					
CLL	Collm	42.92 309	eP	P	08 17 03.0	+0.3
CLL	comp=Z,2.4nm,1.2s					
CLL	Collm	42.92 309	eP	P	08 21 48.0	-0.3
CLL	comp=Z,2.4nm,1.2s					
CLL	Collm	42.92 309	eP	P	08 25 07.0	-0.8
CLL	comp=Z,2.4nm,1.2s					
CLL	Collm	42.92 309	eP	P	08 34 00.0	
MYKA	Terra Mystica	42.93 302	iP	pP	08 16 18.6	-3.9
MYKA	comp=Z,1.1nm,1.0s					
GSI	Gunungsitoli	43.02 138	eP	P	08 15 40.9	+0.7
GSI	comp=Z,1.27nm,0.7s					
GSI	Gunungsitoli	43.02 138	eP	P	08 15 41.2	+1.0
GSI	comp=Z,2.30nm,1.2s					
KBA	Koelbreinspreur	43.07 303	iP	pP	08 16 20.6	-3.1
KBA	comp=Z,1.6nm,0.5s,baz=98,slow=7.9					
TRO	Tromso	43.13 336	eP	P	08 15 41.0	+0.6
TRO	comp=Z,1.2nm,1.3s					
MOR8	Moi Rana	43.65 331	eP	pP	08 15 44.8	+0.2
MOR8	comp=Z,3.38nm,0.8s					
ABTA	Abfaltersbach	43.68 302	iP	pP	08 16 25.1	-3.5
ABTA	comp=Z,1.2nm,1.3s					
NC405	NORSAR Array S	43.94 323	eP	P	08 15 47.7	+0.7
NC405	comp=Z,3.3nm,1.4s					
NC602	NORSAR Array S	43.98 323	eP	P	08 15 47.8	+0.4
NC602	comp=Z,3.3nm,1.4s					
NC303	NORSAR Array S	44.12 323	eP	P	08 15 48.9	+0.5
NC303	comp=Z,3.3nm,1.4s					
NB201	NORSAR Array S	44.14 323	eP	P	08 15 48.8	+0.2
NB201	comp=Z,2.5nm,0.6s					
NB2	NORSAR Subarra	44.17 323	P	pP	08 15 49.0	+0.1
NB2	comp=Z,1.9nm,0.7s,baz=96,slow=8.1,SNR=7.9					
NB200	NORSAR Array B	44.17 323	eP	P	08 15 49.2	+0.3
NB200	comp=Z,1.9nm,0.7s,baz=97,slow=7.8,SNR=6.8					
NOA	NORSAR Array B	44.17 323	eP	pP	08 16 34.7	+2.4
NOA	comp=Z,1.9nm,0.7s,baz=97,slow=7.8,SNR=7.9					
YAK	Yakutsk	44.18 35	eP	P	08 15 48.6	-0.2
YAK	comp=Z,6.5nm,0.8s					
YAK	Yakutsk	44.18 35	eP	pP	08 16 33.5	+0.4
YAK	comp=Z,6.5nm,0.8s					
YAK	Yakutsk	44.18 35	eP	pP	08 17 29.3	+0.4
YAK	comp=Z,6.5nm,0.8s					
YAK	Yakutsk	44.18 35	eP	sS	08 22 06.3	0.0
YAK	comp=Z,6.5nm,0.8s					
YAK	Yakutsk	44.18 35	eP	sS	08 22 25.9	+1.2
YAK	comp=Z,6.5nm,0.8s					
YAK	Yakutsk	44.18 35	eP	e	08 25 27.8	
YAK	comp=Z,4.5nm,0.8s					
YAK	comp=N,4.0nm,0.9s					
YAK	comp=Z,3.6nm,1.1s					
YAK	comp=E,12nm,1.1s					
YAK	comp=N,16nm,1.0s					
YAK	comp=E,297nm,1.8s					
YAK	comp=N,153nm,1.6s					
WTTA	Wattenberg	44.20 303	iP	pP	08 16 28.4	-4.6
WTTA	comp=N,29nm,1.2s					
KONS	Konsvik	44.25 331	eP	P	08 15 60.0	+0.7
KONS	comp=Z,5.0nm,1.3s					
NAO01	NORSAR Array S	44.31 323	eP	P	08 15 49.2	-0.7
NAO01	comp=N,58nm,1.3s					
NB000	NORSAR Array S	44.38 323	eP	P	08 15 50.5	-0.1
NB000	comp=N,81nm,1.1s					
NC204	NORSAR Array S	44.41 323	eP	P	08 15 51.0	+0.1
NC204	comp=N,120nm,1.3s					
NC204	NORSAR Array S	44.41 323	eP	P	08 15 51.4	+0.6
NC204	comp=N,120nm,1.3s					
SQTA	Sanct Quirin	44.50 303	iP	pP	08 16 31.8	-3.5
SQTA	comp=Z,1.9nm,0.9s					
MOTA	Moosalm	44.55 303	iP	pP	08 16 32.0	-3.8
MOTA	comp=N,10nm,1.0s					
MDJ	Mudanjiang	44.72 60	P	S	08 16 10.3	+1.7
MDJ	comp=Z,7.0nm,0.4s					
MDJ	Mudanjiang	44.72 60	P	S	08 22 15.3	+0.7
MDJ	comp=Z,7.0nm,0.4s					
FETA	Feichten	44.85 303	iP	P	08 15 54.9	+0.3
FETA	comp=Z,9.4nm,1.1s					
FETA	Feichten	44.85 303	iP	pP	08 16 34.9	-3.3
FETA	comp=Z,22nm,1.3s					
TPUB	Ta-pu	44.90 93	eP	P	08 15 56.3	+1.2
TPUB	comp=Z,42nm,1.4s					
SSLB	Suanglung	44.92 92	eP	P	08 15 57.1	+1.7
SSLB	comp=Z,43nm,1.0s					
KS15	Wonju Array Si	45.20 71	eP	P	08 15 54.2	-3.1
KS15	comp=Z,22nm,1.4s					
KSRS	Korea Array	45.22 71	eP	P	08 15 57.8	+0.3
KSRS	comp=Z,2.7nm,0.7s,baz=272,slow=6.7,SNR=11					
KSRS	Korea Array	45.22 71	eP	pP	08 16 44.0	+1.9
KSRS	comp=Z,3.6nm,0.8s,baz=281,slow=6.7,SNR=3.3					
KSRS	comp=Z,1.7nm,1.2s,baz=278,slow=7.1,SNR=4.3					
FUORN	Ofenpass-Fuorn	45.23 303	eP	P	08 15 56.1	-1.7
FUORN	comp=Z,5.7nm,0.8s					
DAVA	Damuels	45.38 304	iP	P	08 15 59.2	+0.4
DAVA	comp=Z,13nm,1.1s					
DAVA	Damuels	45.38 304	iP	pP	08 16 39.4	-3.1
DAVA	comp=Z,13nm,1.1s					
YULB	Yu-li	45.39 92	eP	P	08 16 00.6	+1.7
YULB	comp=Z,33nm,0.9s					
KLR	Kul'dur	45.44 54	eP	P	08 15 59.9	+0.9
KLR	comp=Z,6.7nm,0.6s,baz=277,slow=6.4,SNR=23					
KLR	Kul'dur	45.44 54	eP	pP	08 16 45.9	+2.2
KLR	comp=Z,7.7nm,0.6s,baz=271,slow=8.1,SNR=4.2					
KLR	Kul'dur	45.44 54	eP	pmax	08 15 59.4	+0.4
KLR	comp=Z,12nm,1.1s					
TWG	Pinlang	45.48 93	eP	P	08 16 00.7	+1.0
TWG	comp=Z,60nm,0.9s					
BKNI	Bangkang	45.75 135	eP	P	08 16 01.6	-0.2
BKNI	comp=Z,255nm,1.0s					
TIXI	Tiksi	45.92 22	eP	P	08 16 03.0	+0.6
TIXI	comp=Z,9.3nm,0.3s,baz=268,slow=4.5,SNR=20					
TIXI	Tiksi	45.92 22	eP	pP	08 16 48.0	+0.9
TIXI	comp=Z,3.1nm,0.7s,baz=277,slow=6.4,SNR=3.3					
TIXI	Tiksi	45.92 22	eP	P	08 16 02.8	+0.4
TIXI	comp=Z,2.0nm,0.7s					
MYKOM	Kota Tinggi	46.24 131	eP	P	08 16 06.3	+0.6
MYKOM	comp=Z,18nm,1.0s					
PDSI	Padang	46.44 137	P	P	08 16 06.7	-0.5
PDSI	comp=Z,101nm,1.1s,comp=Z,2um					

USRK	Ussuriysk Ar.	46.49 61	P	P	08 16 07.6	+0.4
USRK	comp=Z,2.0nm,0.5s,baz=273,slow=7.1,SNR=7.0					
USRK	Hornsund	47.06 345	eP	pP	08 16 54.4	+2.3
USRK	comp=Z,1.2nm,0.2s,baz=65,slow=20,SNR=3.9					
HSPB	Hornsund	47.06 345	eP	pP	08 16 11.3	+0.1
HSPB	comp=Z,1.2nm,0.2s,baz=65,slow=20,SNR=3.9					
HSPB	Hornsund	47.06 345	eP	pP	08 16 57.2	+1.5
HSPB	comp=Z,1.2nm,0.2s,baz=65,slow=20,SNR=3.9					
HSPB	Hornsund	47.06 345	eP	pP	08 16 11.3	+0.1
HSPB	comp=Z,1.2nm,0.2s,baz=65,slow=20,SNR=3.9					
HSPB	Hornsund	47.06 345	eP	pP	08 16 57.2	+1.5
HSPB	comp=Z,1.2nm,0.2s,baz=65,slow=20,SNR=3.9					
SENI	Lac Senin/Srae	47.29 303	eP	pP	08 16 12.9	-0.8
SENI	comp=Z,4nm,0.8s					
MEM	Membach	47.39 309	iP	P	08 16 15.3	+1.2
MEM	comp=Z,4nm,0.8s					
MEM	Membach	47.39 309	iP	pP	08 16 54.9	-3.4
MEM	comp=Z,4nm,0.8s					
MEM	Membach	47.39 309	iP	pP	08 16 14.9	+0.9
MEM	comp=Z,4nm,0.8s					
SPAO	Spitsbergen Ar	47.42 347	eP	P	08 16 12.9	-1.7
SPAO	comp=Z,17nm,1.0s					
WLF	Waiferdang	47.45 307	eP	P	08 16 12.9	-1.7
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	eP	pmax	08 16 12.9	-1.7
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	+2.4
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 56.2	-2.5
WLF	comp=Z,44nm,1.0s					
WLF	Waiferdang	47.45 307	iP	pP	08 16 16.9	

MAJO	Matsushiro	68.13 322	eP	P	08 23 26.1	-1.0
MAJO	comp-Z,15nm,0.9s			MLR	MLR	
MAJO	comp-Z,600nm,21.0s					
MAT	Matsushiro	68.13 322	P	S	08 23 25.5	-1.6
MAT	comp-Z,15nm,0.9s			S	08 23 24.6	-2.6
MJB9	Matsu-Tunnel	68.13 322	eP	P	08 23 25.2	-1.9
ADK	Adak	68.67	0	PFAKE	LR	LR
ADK	comp-Z,2um,21.0s			LR	LR	
ATKA	Atka Island	69.03	2	PFAKE	LR	LR
ATKA	comp-Z,3um,22.0s			LR	LR	
ERM	Ermo	69.41 329	PFAKE	LR	LR	08 23 50.0
ERM	comp-Z,2um,20.0s			LR	LR	
KUR	Kuril'sk	69.79 334	eP	P	08 23 39.1	+1.9
KUR	comp-Z,500nm,5.1s			Pmax	Pmax	
SMY	Shemya	69.95 354	PFAKE	LR	LR	08 23 50.0
SMY	comp-Z,2um,21.0s			LR	LR	
KKM	Kota Kinabalu	69.96 283	PFAKE	LR	LR	08 23 50.0
KKM	comp-Z,300nm,20.0s			LR	LR	
JNU	Nakata	70.56 315	P	P	08 23 41.5	-0.7
JNU	comp-Z,11nm,0.9s,baz=149,slow=5.9,SNR=2.9			P	P	
UNV	Unalaska Valle	71.20	6	PFAKE	LR	LR
UNV	comp-Z,2um,21.0s			LR	LR	
SKR	Severo-Kuril's	71.52 342	eP	S	08 23 49.2	+1.6
SKR	comp-Z,300nm,4.9s			eS	S	08 33 05.6
SKR	comp-Z,400nm,18.0s			Pmax	Pmax	
AKUT	Akutan	71.56	7	PFAKE	LR	LR
AKUT	comp-Z,2um,22.0s			LR	LR	
YOJ	Yonaguni jima	71.68 304	PFAKE	LR	LR	08 24 00.0
YOJ	comp-Z,400nm,21.0s			LR	LR	
SBUM	Sibu	72.51 278	eP	P	08 23 53.5	-0.9
SBUM	comp-Z,4.7nm,1.0s			P	P	
YULB	Yu-li	72.55 302	PFAKE	LR	LR	08 24 10.0
YULB	comp-Z,200nm,19.0s			LR	LR	
FALS	False Pass	72.56	8	PFAKE	LR	LR
FALS	comp-Z,1um,19.0s			LR	LR	
NACB	Ninganchiao	72.68 303	eP	P	08 23 52.4	-2.7
NACB	comp-Z,25nm,1.0s			LR	LR	
PET	Petropavlovsk	72.95 345	PFAKE	LR	LR	08 24 10.0
PET	comp-Z,1um,22.0s			LR	LR	
PET	Petropavlovsk	72.95 345	eP	S	08 24 00.3	+4.3
PET	comp-Z,1um,22.0s			eS	S	08 23 57.0
QSPA	South Pole Qui	72.97 180	P	SKIKP	P	08 23 57.0
QSPA	comp-Z,8.7nm,0.9s,baz=25,slow=1.9,SNR=20			P	P	
QSPA	South Pole Qui	72.97 180	eP	P	08 23 57.5	+1.1
QSPA	comp-Z,17nm,1.0s			LR	LR	
SSLB	Suangleung	73.01 302	eP	P	08 23 56.5	-0.7
SSLB	comp-Z,1um,22.0s			LR	LR	
SSLB	comp-Z,8.2nm,0.9s			LR	LR	
TPUB	Ta-pu	73.05 302	eP	P	08 23 55.9	-1.5
TPUB	comp-Z,300nm,22.0s			LR	LR	
YHNB	Yeheng	73.09 303	PFAKE	LR	LR	08 24 10.0
YHNB	comp-Z,400nm,22.0s			LR	LR	
PEA0B	Petropavlovsk	73.27 344	eP	P	08 23 56.4	-1.5
PEA0B	comp-Z,42nm,1.3s			LR	LR	
PEA0B	Petropavlovsk	73.27 344	P	P	08 23 57.6	-0.4
PEA0B	comp-Z,1um,20.0s			LR	LR	
PETK	Petropavlovsk	73.27 344	P	P	08 23 57.6	-0.4
PETK	comp-Z,13nm,0.9s,baz=124,slow=8.0,SNR=12			P	P	
PEA1	Petropavlovsk	73.27 344	eP	P	08 23 57.6	-0.4
PEA1	comp-Z,13nm,0.9s,baz=124,slow=8.0,SNR=12			P	P	
YSS	Yuzh-Sakhalins	73.34 332	eP	P	08 23 57.9	-0.6
YSS	comp-Z,24nm,1.0s			LR	LR	
YSS	Yuzh-Sakhalins	73.34 332	eP	P	08 24 00.1	+1.6
YSS	comp-Z,900nm,20.0s			eS	S	08 24 07.3
YSS	comp-Z,10.0nm,0.7s			Pmax	Pmax	08 33 28.8
YSS	comp-N,300nm,18.0s			MLR	MLR	
YSS	comp-E,500nm,18.0s			MLR	MLR	
YSS	comp-Z,600nm,18.0s			MLR	MLR	
SDPT	Sand Point	73.48	10	eP	P	08 23 59.0
SDPT	comp-Z,30nm,1.1s			LR	LR	
CISI	Cisompet Garu	73.81 267	eP	P	08 24 00.1	-2.0
CISI	comp-Z,110nm,1.3s			LR	LR	
KSM	Kuching	74.02 277	PFAKE	LR	LR	08 24 10.0
KSM	comp-Z,200nm,21.0s			LR	LR	
SPIA	Saint Paul Isl	74.18	4	PFAKE	LR	LR
SPIA	comp-Z,4um,20.0s			LR	LR	
LEM	Lembang	74.19 268	P	P	08 24 03.8	-0.8
LEM	comp-Z,60nm,0.8s,baz=68,slow=7.8,SNR=6.9			P	P	
SCZ2	Santa Cruz Isl	74.49	46	P	08 24 06.8	+1.1
SCZ2	comp-Z,2um,21.0s			P	P	
SBC	Santa Barbara	74.69	46	P	08 24 07.9	+1.2
SBC	comp-Z,2um,21.0s			P	P	
SC12	San Clemente I	74.71	48	P	08 24 07.8	+0.9
SC12	comp-Z,2um,21.0s			P	P	
CHGN	Chignik	74.73	11	eP	P	08 24 05.8
CHGN	comp-Z,12nm,0.8s			LR	LR	
CHIR	Chirikof Islan	74.81	12	PFAKE	LR	LR
CHIR	comp-Z,2um,21.0s			LR	LR	
SAO	San Andreas Ge	74.83	43	eP	P	08 24 07.2
SAO	comp-Z,34nm,1.4s			P	P	
SAO	San Andreas Ge	74.83	43	eP	P	08 24 07.2
SAO	comp-Z,34nm,1.4s			Pmax	Pmax	
PKM	McPherson Peak	74.86	46	P	08 24 08.7	+0.7
PKM	comp-Z,34nm,1.4s			P	P	
SMMC	Simmler	74.98	45	P	08 24 10.0	+1.6
SMMC	comp-Z,34nm,1.4s			P	P	
CIS	Catalina Islan	75.03	48	P	08 24 09.8	+1.0
CIS	comp-Z,34nm,1.4s			P	P	
PAGB	Antelope Grade	75.04	45	eP	P	08 24 09.3
PAGB	comp-Z,22nm,1.3s			P	P	
KSR5	Korea Array	75.06 317	P	P	08 24 09.4	+0.7
KSR5	comp-Z,3.8nm,1.0s,baz=132,slow=6.1,SNR=12			LR	LR	
KSR5	comp-Z,441nm,21.8s,baz=118,slow=31			LR	LR	08 51 11.8
FMP	Fort Macarthur	75.28	47	P	08 24 11.1	+0.9
FMP	comp-Z,2um,21.0s			P	P	
QZH	Quanzhou	75.45 302	eP	S	08 24 13.5	+2.2
QZH	comp-Z,34nm,1.4s			S	S	08 33 54.3
QZH	comp-Z,340nm,4.8s			Pmax	Pmax	
QZH	comp-Z,320nm,18.9s			LR	LR	
QZH	comp-Z,140nm,19.9s			LR	LR	
KMRM	Mali Ridge	75.46	39	eP	P	08 24 12.8
KMRM	comp-Z,31nm,0.9s			LR	LR	
KMRM	comp-Z,800nm,19.0s			LR	LR	
OSI	Osito Audit: C	75.46	46	PFAKE	LR	LR
OSI	comp-Z,700nm,18.0s			LR	LR	08 24 20.0
OSI	Osito Audit: C	75.46	46	P	08 24 12.5	+1.2
OSI	comp-Z,700nm,18.0s			P	P	
DECC	Green Verdugo	75.54	47	P	08 24 12.6	+0.9
DECC	comp-Z,2um,21.0s			P	P	
PASC	Pasadena Art C	75.60	47	P	08 24 12.0	0.0
PASC	comp-Z,13nm,1.3s			P	P	
ARVC	Arvin	75.67	46	P	08 24 13.6	+1.2
ARVC	comp-Z,500nm,19.0s			P	P	

109C	Camp Elliot, M	75.69	49	P	P	08 24 13.4
109C	comp-Z,2um,21.0s			P	P	
CPE	Camp Elliot	75.69	49	eP	P	08 24 14.2
CPE	comp-Z,4nm,1.5s			P	P	
MWC	Mount Wilson	75.72	47	eP	P	08 24 13.6
MWC	comp-Z,20nm,1.3s			P	P	
MWC	Mount Wilson	75.72	47	eP	P	08 24 13.6
MWC	comp-Z,20nm,1.3s			Pmax	Pmax	
SII	Sitkinak Islan	75.80	13	PFAKE	LR	LR
SII	comp-Z,2um,20.0s			LR	LR	
KHMM	Horse Mountain	75.84	39	PFAKE	LR	LR
KHMM	comp-Z,700nm,18.0s			LR	LR	
YES	Vestal, Richgr	75.89	45	P	P	08 24 14.1
YES	comp-Z,2um,21.0s			P	P	
BAR	Barrett	75.89	49	eP	P	08 24 14.4
BAR	comp-Z,10.0nm,1.3s			P	P	
O02R	Mt. Diablo Mer	75.99	40	eP	P	08 24 15.6
O02R	comp-Z,2um,21.0s			P	P	
MURC	Murieta	76.00	48	P	P	08 24 15.1
MURC	comp-Z,2um,21.0s			P	P	
BFSC	Mount Baldy Ra	76.00	47	P	P	08 24 15.1
BFSC	comp-Z,2um,21.0s			P	P	
EDW2	Edwards Air Fo	76.11	46	P	P	08 24 15.9
EDW2	comp-Z,2um,21.0s			P	P	
MONP2	Monument Peak	76.18	49	P	P	08 24 16.3
MONP2	comp-Z,35nm,1.5s			P	P	
ISA	Isabella, Lake	76.20	46	eP	P	08 24 16.5
ISA	comp-Z,55nm,1.5s			P	P	
ISA	Isabella, Lake	76.20	46	eP	P	08 24 15.7
ISA	comp-Z,2um,21.0s			P	P	
CMB	Columbia Colle	76.25	43	eP	P	08 24 16.3
CMB	comp-Z,19nm,1.5s			P	P	
CMB	Columbia Colle	76.25	43	eP	P	08 24 16.3
CMB	comp-Z,19nm,1.5s			Pmax	Pmax	
IKP	In-Ko-Pah, Jac	76.28	49	P	P	08 24 17.1
IKP	comp-Z,2um,21.0s			P	P	
TYV	Tymovskoe	76.38	335	eP	P	08 24 17.2
TYV	comp-Z,18nm,1.1s			Pmax	Pmax	
TYV	comp-Z,100nm,2.8s			Pmax	Pmax	
WDC	Whiskeytown Da	76.38	40	eP	P	08 24 17.0
WDC	comp-Z,20nm,1.3s			LR	LR	
WDC	Whiskeytown Da	76.38	40	eP	P	08 24 17.0
WDC	comp-Z,700nm,22.0s			Pmax	Pmax	
WDC	comp-Z,20nm,1.3s			MLR	MLR	
AFDM	Forest Hills D	76.40	42	eP	P	08 24 17.3
AFDM	comp-Z,7.1nm,1.1s			P	P	
ORV	Oroville	76.42	41	eP	P	08 24 17.8
ORV	comp-Z,14nm,1.4s			P	P	
ORV	Oroville	76.42	41	eP	P	08 24 17.8
ORV	comp-Z,14nm,1.4s			Pmax	Pmax	
N02D	Trinity Center	76.52	39	P	P	08 24 18.6
N02D	comp-Z,2um,21.0s			P	P	
PFO	Pinyon Flats O	76.53	48	eP	P	08 24 18.3
PFO	comp-Z,11nm,1.3s			Pmax	Pmax	
PFO	Pinyon Flats O	76.53	48	eP	P	08 24 18.3
PFO	comp-Z,11nm,1.3s			Pmax	Pmax	
PFO	Pinyon Flats O	76.53	48	eP	P	08 24

29d 8h

Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like KLR, F05D, I07A, CN2, MYKOM, D04E, D03D, QIZ, QIZ, QIZ, QIZ, QIZ, J08A, LON, LON, LON, LON, X16A, X16A, CCUT, GAMB, D05A, MA2, MA2, KNB, KNB, PSUT, RC01, U15A, SZCU, SUA, SUA, ELK, ELK, ELK, WUAZ, WUAZ, KAIM, A04D, GLI, WHN, B05A, SKT, SKT, FID, EYAK, PKCU, TTA, TTA, KNK, RAGM, LTY, PMR, PMR, PMR, HMT, HMT, HAWA, HAWA, MTPU, HPIG, HPIG, SML, SML, SML, SML.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like TCRU, ANM, E08A, WAX, WAX, BMO, BMO, BMO, PPLA, PPLA, SCM, SCM, MFID, W18A, W18A, CRQM, WRAK, TGL, D08A, DUG, DUG, DUG, PCA, 121A, E09A, CAST, CAST, GLB, BGU, BALM, BALM, BALM, BALM, F10A, ZAIG, NLU, CTGM, JIS, B08A, LLL, Q16A, KTH, PLID, TMUT, HLID, HLID, MPU, C09A, RND, RND, DHY, DHY, HAN, SEY, CTU, BPAW, SRU, SRU, MCK, MCK, MCK, MCK, P17A, SKAG, JLU, PAX, PAX, LAZ, BWN, LENM, Y22D, Y22D.

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Table with columns for station ID, name, elevation, frequency, and other technical details. Includes stations like IPM, IPM, TCUT, HYT, HYT, MENT, MENT, HWUT, PV05, PV05, MVCO, MVCO, BNN, BNN, NEW, NEW, NEW, PV09, PV09, PV14, PV19, PV17, PV18, PV18, PV20, PV23, PV23, PV13, PV16, PV16, PV11, PV11, PV04, BJT, BJT, BJT, BJT, BJI, BJI, BJI, BJI, PV02, PV12, MLY, MLY, WRH, WRH, RIDG, RIDG, PV01, TX31, TXAR, TXAR, PV22, KULM, KULM, PV07, PV07, DOT, DOT, TLIG, TLIG, HDA, HDA, HDA, ANMO, ANMO, ANMO, ANMO, CCB, CCB, WHY, WHY, TCOL, COLA, COLA, COLA, MDM, MDM, MDM, MCMT, SCRR.

SCRK	comp=Z,12nm,1.0s	LR	LR		
AHID	comp=Z,1,1um,22.0s Auburn Hatcher	84.76	42 eP	P	08 25 01.3 -0.2
ILAR	comp=Z,1,3nm,0.9s Eielsen Array	84.77	12 P	P	08 24 59.7 -1.1
ILAR	comp=Z,8.0nm,0.9s,baz=227,slow=4.7,SNR=26				08 55 22.4
ILB	comp=Z,1,1um,22.0s,baz=222,slow=30 Eielsen Array	84.77	12 eP	P	08 24 59.5 -1.2
POKR	comp=Z,2,3nm,1.0s Poker Plat Res	84.96	12 P	P	08 25 00.8 -0.9
ENH	comp=Z,2,3nm,1.0s Enshi	85.02	304 eP	P	08 25 02.5 -0.4
MSO	comp=Z,7.1nm,1.5s Missoula	85.04	38 eP	P	08 25 02.7 -0.1
MSO	comp=Z,2,3nm,1.0s				
MSO	comp=Z,400nm,19.0s Missoula	85.04	38 P	P	08 25 02.6 -0.1
DLMT	comp=Z,2,3nm,1.0s Dillon	85.10	40 eP	P	08 25 03.4 +0.3
MAW	comp=Z,2,2nm,1.2s Mawson	85.12	199 LR	LR	09 01 11.5
MAW	comp=Z,963nm,19.2s,baz=108,slow=34 Mawson	85.12	199 PFAKE	LR	08 25 10.0 +7.3
MAW					
ZEZ	comp=Z,300nm,22.0s Zeya	85.18	130 eP	P	08 25 05.0 +1.9
ZEZ					08 35 35.0 +2.1
ZEZ	comp=Z,46nm,1.4s				
ZEZ	comp=Z,300nm,6.0s				
ZEZ	comp=E,500nm,14.0s 4UR Ranch, Ore	85.38	48 P	P	08 25 05.9 +1.1
LRM	comp=Z,2,3nm,1.0s Limekiln Ridge	85.42	39 eP	P	08 25 05.7 +0.9
O20A	comp=Z,5.7nm,1.0s White River Ci	85.44	46 eP	P	08 25 05.2 +0.3
O20A	comp=Z,5.7nm,1.0s White River Ci	85.44	46 P	P	08 25 05.8 +0.0
RDOG	comp=Z,2,3nm,1.0s Red Dog Mine	85.51	5 PFAKE	LR	08 25 20.0 +1.6
RDOG					
QLMT	comp=Z,2,2um,20.0s Earthquake Lak	85.55	40 eP	P	08 25 04.7 -0.7
YHB	comp=Z,2,2um,20.0s Horse Butte	85.66	41 eP	P	08 25 05.8 -0.2
YPP	comp=Z,1,1um,22.0s Pitchstone Pia	85.67	41 eP	P	08 25 04.7 -1.5
PRP	comp=Z,1,1um,22.0s Porcupine Dome	85.70	13 PFAKE	LR	08 25 20.0 +1.4
PRP					
YFT	comp=Z,1,1um,22.0s Old Faithful	85.74	41 eP	P	08 25 07.7 +1.3
BW06	comp=Z,2,2nm,1.4s Boulder Array	85.76	43 eP	P	08 25 06.2 -0.3
BW06	comp=Z,3.5nm,1.0s Boulder Array	85.76	43 P	P	08 25 06.7 +0.1
PD31	comp=Z,2,2nm,1.4s Pinedale Array	85.76	43 eP	P	08 25 06.0 -0.6
PDAR	comp=Z,2,2nm,1.4s Pinedale Array	85.76	43 P	P	08 25 06.5 -0.1
PDAR	comp=Z,2.4nm,1.0s,baz=186,slow=1.5,SNR=12				09 00 52.6
YMR	comp=Z,1.82nm,18.0s,baz=254,slow=34 Madison River	85.76	41 eP	P	08 25 07.3 +0.8
BILL	comp=Z,38nm,1.5s Bilbino	85.77	354 PFAKE	LR	08 25 20.0 +1.4
BILL	comp=Z,1,1um,22.0s Bilbino	85.77	354 eP	P	08 25 05.7 0.0
BILL					08 28 22.0
BILL					08 35 33.6 -4.5
BILL	comp=Z,33nm,1.0s				
BOZ	comp=Z,842nm,18.0s Bozeman (W)	85.81	40 eP	P	08 25 07.0 +0.4
BOZ	comp=Z,2,2nm,1.4s				
BOZ	comp=Z,400nm,19.0s Bozeman (W)	85.81	40 eP	P	08 25 07.0 +0.4
BOZ	comp=Z,2,2nm,1.4s				
BOZ	comp=Z,400nm,19.0s Bozeman (W)	85.81	40 P	P	08 25 07.3 +0.7
H17A	comp=Z,2,2nm,1.4s Grant Village	85.88	41 eP	P	08 25 08.7 +1.5
H17A	comp=Z,8.6nm,1.1s Grant Village	85.88	41 P	P	08 25 08.6 +1.5
YHH	comp=Z,2,2nm,1.5s Holmes Hill	85.89	41 eP	P	08 25 06.4 -0.8
DAWY	comp=Z,1,1um,22.0s Dawson	85.90	16 eP	P	08 25 06.2 -0.3
DAWY	comp=Z,1,1um,22.0s				
EGAK	comp=Z,1,1um,22.0s Eagle	86.05	15 eP	P	08 25 05.7 -1.4
EGAK	comp=Z,1,1um,22.0s				
LNIG	comp=Z,1,1um,22.0s Linares	86.17	63 eP	P	08 25 09.0 +0.4
LNIG	comp=Z,2,2nm,1.4s				
WALA	comp=Z,1,1um,22.0s Waterton Lakes	86.22	36 eP	P	08 25 07.2 -1.3
WALA	comp=Z,1,1um,22.0s				
HRY	comp=Z,500nm,20.0s Hotter Researc	86.23	39 eP	P	08 25 10.0 +1.3
SDCO	comp=Z,3.4nm,1.3s Great Sand Dun	86.33	49 eP	P	08 25 09.8 +0.3
SDCO	comp=Z,3.4nm,1.3s Great Sand Dun	86.33	49 P	P	08 25 10.0 +0.5
COLD	comp=Z,1,1um,22.0s Coldfoot	86.34	10 eP	P	08 25 09.9 +1.4
COLD	comp=Z,1,1um,22.0s				
SLVN	comp=Z,1,1um,22.0s Son La	86.48	293 eP	P	08 25 08.4 -2.0
HIA	comp=Z,1,1um,22.0s Hailar	86.54	324 PFAKE	LR	08 25 20.0 +1.0
FYU	comp=Z,900nm,20.0s Fort Yukon	86.67	12 PFAKE	LR	08 25 20.0 +1.0
FYU					
RWWY	comp=Z,1,1um,22.0s Rawlins	86.83	45 PFAKE	LR	08 25 20.0 +8.1
RWWY					
MSTX	comp=Z,500nm,20.0s Muleshoe	86.84	53 eP	P	08 25 12.1 +0.2
MSTX	comp=Z,2,2nm,1.5s				
MSTX	comp=Z,500nm,20.0s	86.84	53 P	P	08 25 12.5 +0.6
T25A	comp=Z,2,2nm,1.5s Trinidad	86.87	50 P	P	08 25 12.3 +0.2
XAN	comp=Z,1,1um,22.0s Xi'an	86.92	307 eP	P	08 25 11.3 -0.8
XAN	comp=Z,1,1um,22.0s				
XAN	comp=Z,500nm,21.0s	86.92	307 P	P	08 25 13.5 +1.3
XAN					08 25 18.8 +0.8
XAN					08 35 52.5 +1.6
XAN					08 41 30.5 -3.4
XAN	comp=Z,1,1um,22.0s				
XAN	comp=Z,16nm,1.3s				
XAN	comp=Z,240nm,4.5s				
XAN	comp=Z,240nm,13.7s				
XAN	comp=Z,360nm,18.1s				
XAN	comp=Z,500nm,22.6s				
XAN	comp=Z,500nm,22.6s	86.92	307 eP	P	08 25 11.4 -0.8
XAN	comp=Z,1,1um,22.0s				
XAN	comp=Z,1,1um,22.0s				
RLMT	comp=Z,1,1um,22.0s Red Lodge	87.04	41 eP	P	08 25 13.2 +0.4
RLMT	comp=Z,1,1um,22.0s				
RLMT	comp=Z,1,1um,22.0s	87.04	41 P	P	08 25 13.6 +0.8
LVIG	comp=Z,2,2nm,1.5s Laguna Verde	87.07	68 PFAKE	LR	08 25 20.0 +6.9

LVIG	comp=Z,1,1um,21.0s				
Q24A	comp=Z,1,1um,21.0s Divide	87.09	48 P	P	08 25 12.9 -0.4
G2MT	comp=Z,1,1um,21.0s Greycliff	87.11	40 eP	P	08 25 13.6 +0.6
N23A	comp=Z,1,1um,21.0s Red Feather La	87.35	46 P	P	08 25 14.6 +0.2
833A	comp=Z,1,1um,21.0s Chaparral WMA,	87.44	59 P	P	08 25 14.0 -0.8
K22A	comp=Z,1,1um,21.0s Casper	87.71	44 PFAKE	LR	08 25 30.0 +1.4
K22A	comp=Z,500nm,19.0s Casper	87.71	44 P	P	08 25 15.8 -0.1
TOLK	comp=Z,1,1um,21.0s Toolik Lake Re	87.73	10 PFAKE	LR	08 25 30.0 +1.5
TOLK					
TOLK	comp=Z,900nm,20.0s Toolik Lake Re	87.73	10 P	P	08 25 16.0 +0.7
HHC	comp=Z,4.0nm,0.9s Hu-ho-hao-te	87.74	314 P	P	08 25 16.5 +0.4
HHC					08 36 04.5 +5.8
HHC	comp=Z,2,2nm,1.2s				
HHC	comp=Z,2,2nm,1.2s				
PHWY	comp=Z,4,0nm,0.9s Pilot Hill	87.85	46 PFAKE	LR	08 25 30.0 +1.3
JCT	comp=Z,300nm,21.0s Junction City	87.87	57 eP	P	08 25 15.4 -1.5
JCT	comp=Z,7.1nm,1.0s				
JCT	comp=Z,600nm,19.0s Junction City	87.87	57 eP	P	08 25 15.4 -1.5
JCT					
JCT	comp=Z,7.0nm,1.0s				
JCT	comp=Z,600nm,19.0s				
JCT	comp=Z,600nm,19.0s Junction City	87.87	57 P	P	08 25 16.8 -0.1
AMTX	comp=Z,500nm,19.0s Amarillo	88.02	53 PFAKE	LR	08 25 30.0 +1.2
AMTX					
AMTX	comp=Z,500nm,19.0s Amarillo	88.02	53 P	P	08 25 17.6 0.0
EGMT	comp=Z,2,2um,20.0s Eggleton	88.10	38 P	P	08 25 17.9 +0.3
EPYK	comp=Z,1,1um,21.0s Eagle Plains	88.13	15 PFAKE	LR	08 25 30.0 +1.1
EPYK					
EPYK	comp=Z,1,1um,21.0s Eagle Plains	88.13	15 P	P	08 25 20.0 +1.3
KMI	comp=Z,400nm,19.0s Kunming	88.75	297 PFAKE	LR	08 25 30.0 +8.6
KMI					
KMI	comp=Z,400nm,19.0s Kunming	88.75	297 P	P	08 25 22.3 +0.9
KMI	comp=Z,1,1um,21.0s				
KMI	comp=Z,1,1um,21.0s				
ABTX	comp=Z,160nm,4.6s Abilene, Hawle	88.77	55 PFAKE	LR	08 25 30.0 +8.9
ABTX					
ABTX	comp=Z,700nm,20.0s Abilene, Hawle	88.77	55 P	P	08 25 21.5 +0.5
KSCO	comp=Z,2,2um,20.0s Kaye Shedlock	88.91	49 eP	P	08 25 20.4 -1.3
KSCO	comp=Z,1,1um,21.0s Kaye Shedlock	88.91	49 P	P	08 25 22.2 +0.5
YAK	comp=Z,1,1um,21.0s Yakutsk	89.36	338 PFAKE	LR	08 25 30.0 +7.0
YAK					
LAO	comp=Z,500nm,20.0s LASA Array	89.64	41 eP	P	08 25 26.0 +1.1
LAO	comp=Z,9.2nm,0.8s				
LAO	comp=Z,400nm,20.0s				
LAO	comp=Z,400nm,20.0s	89.64	41 P	P	08 25 25.5 +0.6
435B	comp=Z,2,2um,20.0s Jarrell	89.77	58 P	P	08 25 25.8 0.0
CD2	comp=Z,2,2um,20.0s Chengdu	89.84	302 P	P	08 25 25.5 -0.7
CD2					08 36 17.5 -1.3
CD2	comp=Z,2,2um,20.0s				
CD2	comp=Z,2,2um,20.0s				
CD2	comp=Z,450nm,16.7s				
CD2	comp=Z,370nm,14.7s				
CCIG	comp=Z,420nm,16.3s Comitan	89.85	73 PFAKE	LR	08 25 40.0 +1.3
CCIG					
RSSD	comp=Z,2,2um,20.0s Black Hills	89.97	43 eP	P	08 25 24.6 -2.1
RSSD	comp=Z,5.8nm,1.1s				
RSSD	comp=Z,500nm,20.0s				
RSSD	comp=Z,500nm,20.0s	89.97	43 eP	P	08 25 24.6 -2.1
RSSD	comp=Z,6.0nm,1.1s				
RSSD	comp=Z,500nm,20.0s				
RSSD	comp=Z,500nm,20.0s	89.97	43 P	P	08 25 26.7 0.0
CMAR	comp=Z,0.9nm,0.3s,baz=114,slow=3.4,SNR=10 Chiang Mai Arr	89.98	289 P	P	08 25 28.4 +1.4
CMAR					09 06 20.0
OGNE	comp=Z,1,1um,22.0s Ogallala	90.08	47 P	P	08 25 27.6 +0.5
WMOK	comp=Z,1,1um,22.0s Wichita Mounta	90.19	54 PFAKE	LR	08 25 40.0 +1.2
WMOK					
WMOK	comp=Z,400nm,22.0s Wichita Mounta	90.19	54 P	P	08 25 27.3 -0.4
SYO	comp=Z,2,2um,20.0s Syowa Base	90.27	192 eX	P	08 25 25.0 -2.4
WHTX	comp=Z,1,1um,22.0s Lake Whitney,	90.28	57 PFAKE	LR	08 25 40.0 +1.2
WHTX					
WHTX	comp=Z,800nm,19.0s Lake Whitney,	90.28	57 P	P	08 25 28.3 +0.1
WHTX	comp=Z,1,1um,22.0s				
WHTX	comp=Z,1,1um,22.0s				
PLCA	comp=Z,311nm,18.4s,baz=272,slow=32 Pas Flores	90.84	133 LR	LR	09 00 26.5
HKT	comp=Z,2,2um,20.0s Hockley	90.92	59 eP	P	08 25 29.0 -2.0
HKT	comp=Z,2,2um,20.0s				
HKT	comp=Z,800nm,20.0s				
HKT	comp=				

E38A	comp=Z,300nm,20.0s	The Farm, Brul	99.08	44	PFAKE	LR	LR	08 26 20.0	+12
E38A	comp=Z,300nm,20.0s	Hopedale	99.12	50	PFAKE	LR	LR	08 26 20.0	+12
HDIL	comp=Z,500nm,18.0s	Waverly	99.13	55	PFAKE	LR	LR	08 26 20.0	+11
L42A	comp=Z,400nm,20.0s	Oliver, Polo	99.21	49	PFAKE	LR	LR	08 26 20.0	+11
X48A	comp=Z,300nm,20.0s	Hartselle	99.34	57	PFAKE	LR	LR	08 26 20.0	+10
X48A	comp=Z,700nm,22.0s	Hartselle	99.34	57	P	Pdif		08 26 10.1	+0.6
250A	comp=Z,500nm,21.0s	Grady	99.36	59	PFAKE	LR	LR	08 26 20.0	+10
250A	comp=Z,500nm,21.0s	Grady	99.36	59	P	Pdif		08 26 10.0	+0.3
OLIL	comp=Z,400nm,20.0s	Olney	99.56	52	PFAKE	LR	LR	08 26 20.0	+10
I41A	comp=Z,400nm,20.0s	Arkdale	99.58	47	PFAKE	LR	LR	08 26 20.0	+10
G40A	comp=Z,400nm,20.0s	Rib Lake	99.65	46	PFAKE	LR	LR	08 26 20.0	+9.3
Y49A	comp=Z,400nm,18.0s	Blount Mountai	99.70	58	PFAKE	LR	LR	08 26 20.0	+8.8
USIN	comp=Z,800nm,20.0s	University of	99.71	53	PFAKE	LR	LR	08 26 20.0	+8.9
V48A	comp=Z,400nm,18.0s	Smith Brothers	99.83	56	PFAKE	LR	LR	08 26 20.0	+8.3
T47A	comp=Z,400nm,20.0s	Sharon Grove	99.91	54	PFAKE	LR	LR	08 26 20.0	+8.0
Z50A	comp=Z,500nm,20.0s	Ashland	99.95	58	PFAKE	LR	LR	08 26 20.0	+7.7
I42A	comp=Z,400nm,20.0s	Drager Farm,	100.21	47	PFAKE	LR	LR	08 26 20.0	+6.8
M44A	comp=Z,300nm,19.0s	Midewin, Midew	100.24	50	PFAKE	LR	LR	08 26 30.0	+17
CLTN	comp=Z,400nm,18.0s	Cedars of Leba	100.30	55	PFAKE	LR	LR	08 26 30.0	+16
K43A	comp=Z,300nm,21.0s	Burlington	100.34	49	PFAKE	LR	LR	08 26 30.0	+16
352A	comp=Z,400nm,20.0s	Blakely	100.35	60	PFAKE	LR	LR	08 26 30.0	+16
SWET	comp=Z,400nm,20.0s	Sewanee	100.41	56	PFAKE	LR	LR	08 26 30.0	+16
553A	comp=Z,500nm,21.0s	Crawfordville	100.46	62	P	Pdif		08 26 14.7	+0.1
COWI	comp=Z,300nm,19.0s	Conover	100.58	45	PFAKE	LR	LR	08 26 30.0	+15
453A	comp=Z,300nm,19.0s	Whigham	100.71	61	PFAKE	LR	LR	08 26 30.0	+14
FCC	comp=Z,400nm,19.0s	Fort Churchill	100.76	32	PFAKE	LR	LR	08 26 30.0	+15
152A	comp=Z,700nm,19.0s	Waverly Hall	100.80	59	PFAKE	LR	LR	08 26 30.0	+14
WCI	comp=Z,400nm,22.0s	Wyandotte Cave	100.82	53	PFAKE	LR	LR	08 26 30.0	+14
BLO	comp=Z,400nm,20.0s	Bloomington	100.86	52	PFAKE	LR	LR	08 26 30.0	+14
W50A	comp=Z,400nm,18.0s	Signal Mountai	100.90	56	PFAKE	LR	LR	08 26 30.0	+14
X51A	comp=Z,500nm,22.0s	Calhoun	101.12	57	PFAKE	LR	LR	08 26 30.0	+13
253A	comp=Z,600nm,21.0s	Americus	101.15	60	PFAKE	LR	LR	08 26 30.0	+12
T49A	comp=Z,400nm,21.0s	Edmonton	101.16	55	PFAKE	LR	LR	08 26 30.0	+12
D41A	comp=Z,500nm,20.0s	Chassel	101.18	44	PFAKE	LR	LR	08 26 30.0	+13
TIGA	comp=Z,500nm,21.0s	Titton	101.45	61	PFAKE	LR	LR	08 26 30.0	+11
CPCT	comp=Z,400nm,20.0s	Cooper Cave	101.59	56	PFAKE	LR	LR	08 26 30.0	+11
Y52A	comp=Z,500nm,22.0s	Lilburn	101.61	58	PFAKE	LR	LR	08 26 30.0	+10
L46A	comp=Z,800nm,20.0s	Eue Claire	101.66	50	PFAKE	LR	LR	08 26 30.0	+10
555A	comp=Z,300nm,19.0s	McAlpin	101.68	62	PFAKE	LR	LR	08 26 30.0	+10
R49A	comp=Z,500nm,21.0s	Shelbyville	101.70	53	PFAKE	LR	LR	08 26 30.0	+10
957A	comp=Z,500nm,20.0s	Wimauma	101.75	65	PFAKE	LR	LR	08 26 30.0	+10
P48A	comp=Z,400nm,22.0s	Milroy	101.75	52	PFAKE	LR	LR	08 26 30.0	+10
V51A	comp=Z,400nm,19.0s	Loudon	101.80	56	PFAKE	LR	LR	08 26 30.0	+10
656A	comp=Z,600nm,22.0s	Willston	101.88	63	PFAKE	LR	LR	08 26 30.0	+9.1
J45A	comp=Z,800nm,22.0s	Montague	101.89	48	PFAKE	LR	LR	08 26 30.0	+9.4
W52A	comp=Z,400nm,21.0s	Murphy	101.98	57	PFAKE	LR	LR	08 26 30.0	+8.7
GOGA	comp=Z,500nm,21.0s	Godfrey	101.99	59	PFAKE	LR	LR	08 26 30.0	+8.7
E43A	comp=Z,500nm,22.0s	Lone Tree Farm	102.09	45	PFAKE	LR	LR	08 26 30.0	+8.6
154A	comp=Z,400nm,18.0s	Montrose	102.11	59	PFAKE	LR	LR	08 26 30.0	+8.1
I45A	comp=Z,500nm,22.0s	Fountain	102.13	48	PFAKE	LR	LR	08 26 30.0	+8.3
R50A	comp=Z,300nm,19.0s	Paris	102.34	54	PFAKE	LR	LR	08 26 30.0	+7.2
V52A	comp=Z,500nm,21.0s	Sevierville	102.41	56	PFAKE	LR	LR	08 26 30.0	+6.9
255A	comp=Z,500nm,22.0s	Hazlehurst	102.49	60	PFAKE	LR	LR	08 26 40.0	+16
061Z	comp=Z,400nm,21.0s	Ochoppi	102.50	67	PFAKE	LR	LR	08 26 40.0	+16
059A	comp=Z,500nm,20.0s	Moore Haven	102.54	65	PFAKE	LR	LR	08 26 40.0	+16
DWPF	comp=Z,700nm,22.0s	Disney Wildern	102.54	64	PFAKE	LR	LR	08 26 40.0	+16

TZTN	comp=Z,300nm,20.0s	Tazewell	102.59	55	PFAKE	LR	LR	08 26 40.0	+16
456A	comp=Z,600nm,21.0s	Hilliard	102.61	62	PFAKE	LR	LR	08 26 40.0	+16
M48A	comp=Z,400nm,20.0s	Edgerton	102.70	50	PFAKE	LR	LR	08 26 40.0	+16
O49A	comp=Z,500nm,18.0s	Covington	102.73	52	PFAKE	LR	LR	08 26 40.0	+16
G45A	comp=Z,500nm,19.0s	Suttons Bay	102.74	47	PFAKE	LR	LR	08 26 40.0	+16
S51A	comp=Z,500nm,18.0s	Beattyville	102.78	54	PFAKE	LR	LR	08 26 40.0	+15
E44A	comp=Z,500nm,20.0s	Grand Marais A	102.86	45	PFAKE	LR	LR	08 26 40.0	+15
758A	comp=Z,400nm,19.0s	Lake Helen	102.93	63	P	Pdif		08 26 26.2	+0.6
H46A	comp=Z,400nm,19.0s	Fife Lake	102.96	47	P	Pdif		08 26 25.8	+0.5
658A	comp=Z,400nm,19.0s	Bunnell	102.98	63	PFAKE	LR	LR	08 26 40.0	+14
N49A	comp=Z,400nm,19.0s	Columbus Grove	102.99	51	PFAKE	LR	LR	08 26 40.0	+14
V53A	comp=Z,500nm,19.0s	Saluda	103.00	56	PFAKE	LR	LR	08 26 40.0	+14
T52A	comp=Z,400nm,20.0s	Hallie	103.15	55	PFAKE	LR	LR	08 26 40.0	+14
O60A	comp=Z,600nm,20.0s	Indiantown	103.24	66	PFAKE	LR	LR	08 26 40.0	+13
Q51A	comp=Z,700nm,21.0s	Peebles	103.25	53	PFAKE	LR	LR	08 26 40.0	+13
I47A	comp=Z,400nm,20.0s	Gladwin	103.35	48	PFAKE	LR	LR	08 26 40.0	+13
ROSC	comp=Z,400nm,18.0s	El Rosal	103.41	89	PFAKE	LR	LR	08 26 40.0	+11
GLMI	comp=Z,400nm,21.0s	Graying	103.42	47	PFAKE	LR	LR	08 26 40.0	+13
P51A	comp=Z,400nm,20.0s	Williamsport	103.55	53	PFAKE	LR	LR	08 26 40.0	+12
PAULI	comp=Z,300nm,20.0s	Pauline	103.62	57	PFAKE	LR	LR	08 26 40.0	+11
AAM	comp=Z,600nm,21.0s	Ann Arbor	103.64	50	PFAKE	LR	LR	08 26 40.0	+12
Z56A	comp=Z,400nm,20.0s	Williston	103.69	59	PFAKE	LR	LR	08 26 40.0	+11
257A	comp=Z,4um,21.0s	Skidaway Islan	103.70	60	PFAKE	LR	LR	08 26 40.0	+11
257A	comp=Z,400nm,20.0s	Skidaway Islan	103.70	60	P	Pdif		08 26 30.3	+1.3
N50A	comp=Z,258	Nevada	103.73	51	P	Pdif		08 26 30.0	+1.1
ACSO	comp=Z,258	Alum Creek Sta	103.75	52	PFAKE	LR	LR	08 26 40.0	+11
ACSO	comp=Z,300nm,20.0s	Alum Creek Sta	103.75	52	P	Pdif		08 26 30.2	+1.2
E46A	comp=Z,258	Sault Ste Mari	103.92	45	PFAKE	LR	LR	08 26 40.0	+10
M50A	comp=Z,500nm,19.0s	Fremont	103.92	51	PFAKE	LR	LR	08 26 40.0	+10
U54A	comp=Z,400nm,20.0s	Nelsons Funny	103.95	56	PFAKE	LR	LR	08 26 40.0	+10
JSC	comp=Z,500nm,19.0s	Jenkinsville	103.97	58	PFAKE	LR	LR	08 26 40.0	+10
KMSC	comp=Z,700nm,22.0s	Kings Mountain	104.08	57	PFAKE	LR	LR	08 26 40.0	+9.4
R53A	comp=Z,600nm,21.0s	Hurricane	104.19	54	PFAKE	LR	LR	08 26 40.0	+9.0
RES	comp=Z,500nm,20.0s	Resolute Bay	104.24	16	PFAKE	LR	LR	08 26 40.0	+10
H48A	comp=Z,700nm,20.0s	Harrisville	104.30	47	PFAKE	LR	LR	08 26 40.0	+8.7
N51A	comp=Z,400nm,20.0s	Ashland	104.33	51	PFAKE	LR	LR	08 26 40.0	+8.4
K50A	comp=Z,600nm,21.0s	Casco	104.47	49	PFAKE	LR	LR	08 26 40.0	+7.9
I49A	comp=Z,300nm,19.0s	Point Hope	104.53	48	PFAKE	LR	LR	08 26 40.0	+7.7
O52A	comp=Z,300nm,20.0s	Adamsville	104.59	52	PFAKE	LR	LR	08 26 40.0	+7.2
Y57A	comp=Z,300nm,18.0s	Sumter	104.62	59	PFAKE	LR	LR	08 26 40.0	+7.0
NHSC	comp=Z,500nm,20.0s	New Hope	104.63	59	PFAKE	LR	LR	08 26 40.0	+7.0
BIRD	comp=Z,300nm,20.0s	Birdtown, Kers	104.69	58	PFAKE	LR	LR	08 26 50.0	+17
P53A	comp=Z,600nm,21.0s	Whipple	104.82	53	PFAKE	LR	LR	08 26 50.0	+16
V56A	comp=Z,400nm,20.0s	Mocksville	104.87	57	PFAKE	LR	LR	08 26 50.0	+16
W57A	comp=Z,600nm,22.0s	Gilead	105.16	57	PFAKE	LR	LR	08 31 00.0	+10
Q54A	comp=Z,600nm,22.0s	Coxs Mills	105.16	53	PFAKE	LR	LR	08 31 00.0	+10
BLA	comp=Z,400nm,20.0s	Blacksburg	105.18	55	PFAKE	LR	LR	08 31 00.0	+10
M52A	comp=Z,500nm,19.0s	Chesterland	105.19	51	PFAKE	LR	LR	08 31 00.0	+10
Y58A	comp=Z,500nm,20.0s	Scranton	105.20	59	PFAKE	LR	LR	08 31 00.0	+10
N53A	comp=Z,600nm,21.0s	Lisbon	105.46	52	PFAKE	LR	LR	08 31 00.0	+10
WMQ	comp=Z,500nm,18.0s	Urumqi	105.47	312	PFAKE	LR	LR	08 31 00.0	+10
X58A	comp=Z,300nm,21.0s	Rowland	105.58	58	PFAKE	LR	LR	08 31 00.0	+9.4
R55A	comp=Z,500nm,20.0s	Marlinton	105.60	54	PFAKE	LR	LR	08 31 00.0	+9.3
TS7A	comp=Z,200nm,22.0s	Hurt	106.06	56	PFAKE	LR	LR	08 31 00.0	+8.5
ALLY	comp=Z,400nm,20.0s	Alegheny Colle	106.11	51	PFA				

29D 10h

Table with columns: RTD, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ruatuhuna, Shannon Statio, Mount Tarawera, etc.

WEL 29 09:45:00.3, 42°S, 174°E, h15km, 4.3km, M3.9/12, ML4.3/9, MLV3.9/12, Error ellipse: s-maj=0.0km s-min=0.0km az=121.8, Cook Strait

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cape Campbell, Tory Channel, Tuamarina, etc.

IDC 29 09:44:58.5, 1.9, 101.433°E, 161.79°E, h0km, mb3.8/5, mb1.4/0.6, mb1mx3.8/2.0, mbtm3.9/6, ML4.8/1, Error ellipse: s-maj=47.6km s-min=28.0km az=132.0

ISCJJB 29 09:45:04.5, 1.1, 101.405°E, 161.66°E, 0.1, h54km, mb3.7/5, Error ellipse: s-maj=22.6km s-min=14.3km az=31.3

ISC 29 09:45:06.1, 4.1, 104.05°E, 161.66°E, 0.1, h54km, n13, 0.07119, mb3.6/5, Bougainville-Solomon Islands region

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

MEX 29 10:10:44.5, 0.3, 181.91°N, 103.52°W, h5km, MD3.5, Near coast of Michoacan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Aquila, EZSV, Puente Sto Nin, etc.

NIED 29 10:23:00.45, 80°N, 143°10'E, h360km, Mw4.4, Best double couple: M=3.900000, 101°5' N, P1=57.000000, S1=19.000000, lambda=152.000000, NP2=174.000000, delta1=0.000000, lambda2=173.000000

ISCJJB 29 10:23:34.9, 0.1, 45.96°N, 143.143°E, 0.03, h338km, 1km, mb4.2/102, Error ellipse: s-maj=4.1km s-min=3.0km az=167.3

MOS 29 10:23:34.2, 1.0, 46.02°N, 143.00°E, h330km, mb4.2/45, Error ellipse: s-maj=7.7km s-min=5.6km az=96.1

JMA 29 10:23:35.0, 2.45, 84°N, 143.09°E, h348km, 2km, M4.6 NEIC 29 10:23:35.8, 1.4, 45.91°N, 143.04°E, h339km, 5km, mb4.3/181, Error ellipse: s-maj=12.2km s-min=10.1km az=91.0

IDC 29 10:23:36.7, 1.3, 46.14°N, 142.94°E, h337km, 12km, mb3.9/29, mb1.4/0.36, mb1mx3.9/44, mbtm4.6/36, Error ellipse: s-maj=12.5km s-min=7.3km az=159.0

SKHL 29 10:23:36.0, 0.6, 45.82°N, 143.05°E, h337km, 34km, mb4.2/1, msH4.4/4

ISC 29 10:23:35.4, 0.4, 45.88°N, 143.13°E, 0.03, h337km, 4km, n469, t1931/522, mb4.3/102, 24C-14D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Soyaes, Keihoku, Yuzh-Sakhalins, etc.

2013 JUL

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YSS, JRR, JRB, JSS, ASAJ, ASJ, YAG, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TYV, GRNR, Gornyy, etc.

29d 10h

Table with columns: Code, Station Name, Az, El, Az', El', Phase, ID, Time, Res, ISC. Rows include 121A Cookes Peak, D, CHGO Chibougamau, LSQO Label-sur-Quev, F45A CMU Biological, H43A Windswept, Lux, I42A Draeger Farm, JFWS Jewell Farm, G46A Petoskey, KSU1 Kansas State U, H45A Beulah, L40A Anamosa, D52A ZEK Kipawa Sen, AMTX Amarillo, L42A Oliver, Polo, D53A Lac Vacive, Po, I46A Reed City, N40A Mertquake, Sal, D54A Lac Fusel, La, F51A Arnstein, E52A Mattawa, N41A Harden Midland, F52A Sundridge, E53A Dumoine, Ponti, KLBO Kilbear Provi, E54A Lac Dapiat, Po, BUKO Buck Lake, J48A Bridge Port, HDIL Hopedale, PEMO Pembroke, G53A Haliburton, CLWO Collingwood, K48A Perry, WMOK Wichita Mounta, F55A Otter Lake, BANO Bancroft, L47A Sherwood, G55A Catabogie, P43A Skaggs, Pawnee, PLVO Plevna, L48A N Adams, ORIO Orleans, Innes, SF1N Lafayette, CCM Cathedral Cave, N47A Urbana, K51A Iona Station, ABTX Abilene, Hawle, P46A Rosedale, TXAR Lajitas Array, N49A Columbus Grove, U40A Yellville, O48A Farmland, W39A Magazine, O49A Covington, S44A Carbondale, K55A Perry, P48A Miroy, M53A W Miller and, O50A Cable, P49A Miami Univ. Ec, ACSD Alum Creek Sta, Q48A North Vernon, M54A Oil Creek Stat, MIAR Mount Ida, JCT Junction City, P50A Jamestown, O51A Pataskala, WHTX Lake Whitney, W41B Gary Mavity, V, Q49A Aurora, N53A Lisbon, WCJ Wyandotte Cave, M55A Ridgway, N54A Moraine State, X40A Basin Creek Fa, O52A Adamsville, P51A Williamsport, O53A New Philadelph, M56A Emporium, BINY Binghamton, Q51A Peebles, L58A Harry Jones Me, N55A Marion Center, O54A Avella, T47A Sharon Grove

2013 JUL

Table with columns: Code, Station Name, Az, El, Az', El', Phase, ID, Time, Res, ISC. Rows include R50A Paris, S49A Springfield, P53A Wholesale, M58A Price's Panora, O55A Ligonier, R51A Hillsboro, WVT Waverly, P54A Burton, SSPA Standing Stone, N57A Milroy, O56A Blue Knob Stat, S50A Richmond, T49A Edmonton, Q53A Leroy, P55A Reedsville, NATX Nacogdoches, Q54A Coxs Mills, S51A Beattville, O57A Amberson, N59A State Game Lan, T50A Nacogdoches, R53A Hurricane, U49A Red Boiling Sp, W46A Michie, Q55A Buckhannon, P56A Dayton Farm, R, V48A Smith Brothers, O58A Lewisberry, T51A Gray, X46A Booneville, U50A Jamestown, R54A Victor, V49A McMinnville, P58A Pank, Wackersv, S54A Dingess, Beckl, Q57A Strasburg, R55A Marlinton, X47A Russellville, TZTN Tazewell, T53A Wise, W49A Belene, P60A Greenville, SWET Seawnee, S55A Lewisburg, U52A Thorn Hill, X48A Hartselle, V18A Loudon, T54A Tazewell, W50A Signal Mountai, R57A Stanardville, U53A Fall Branch, V52A Sevierville, W51A Cleveland, Y48A Jasper, S57A Dark Hollow, R, X50B Fort Payne, Y49A Blount Mountai, Y50A Piedmont, W53A Cullowhee, X52A Dhalonega, Z49A Columbiana, Y51A Rockmart, Z50A Ashland, W54A Cherokee Point, X53A Estanollee, V56A Mocksville, Y52A Lilburn, WIN Windhoek, WIN Windhoek, LPAZ La Paz, BDFB Brasilia, BDFB Brasilia, BDFB

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Table with columns: Code, Station Name, Az, El, Az', El', Phase, ID, Time, Res, ISC. Rows include GEVA, BLIS, MARD, MARD, SVAN, SVAN, YOVA, MUSM, MUSM, DIYA, DIYA, HANI, HANI, BNGL, BNGL, IKRK, IKRK, BHD, BHD, RTB, RTB

MEX 29 10:49:35.0.0.7, 15:86'N, 97:23'W, h6km, 5.3km, MD3.6, Near coast of Oaxaca. Table with columns: Code, Station Name, Az, El, Az', El', Phase, ID, Time, Res, ISC. Rows include HUIG, HUIG, VHO, VHO, TLIG, TLIG

IDC 29 10:50:55.5.0.6, 13:93'N, 125:08'E, h0km, mb4.3/16, mb1 4.5/19, mb1mx4.3/36, mbtmp4.4/19, ML4.7/3, MS3.4/12, Ms1 3.4/12, ms1mx3.1/42, Error ellipse: s-maj=21.0km, s-min=12.4km az=84.0, ISCJB 29 10:50:57.6.1.1, 13:96'N, 125:04'E, 0:03, h27km, gkm, mb4.5/37, MS3.3/6, Error ellipse: s-maj=5.5km, s-min=3.3km az=162.1, MAN 29 10:50:57.6, 14:02'N, 125:09'E, h48km, mb5.1, ML4.0, MS4.1, DJA 29 10:51:00.0.0.6, 14:1'N, 125:12'E, h10km, M4.8/15, mb5.2/4, mb4.9/15, Mw(mb)4.6/4, NEIC 29 10:51:00.8.0.8, 13:88'N, 125:07'E, h36km, 7km, mb4.6/20, Error ellipse: s-maj=21.0km, s-min=4.4km az=96.0, ISC 29 10:50:57.0.1.8, 13:93'N, 125:04'E, 0:04, h12km, 1.1km, n98.0, r190.1/10, mb4.5/37, MS3.3/7, 4C-1D, Philippine Islands region

Table with columns: Code, Station Name, Az, El, Az', El', Phase, ID, Time, Res, ISC. Rows include PVCP, PVCP, CNP, CNP, MMHP, MMHP, BESP, BESP, SAOP, SAOP, GOP, GOP, PALP, PALP, OCLP, OCLP, POLP, POLP, BOAC, BOAC, RCP, RCP, OTRP, OTRP, LLP, LLP, MSLP, MSLP, BALP, BALP, TGY, TGY, TGJ, TGJ, PALP, PALP, SJMP, SJMP, CAUP, CAUP, LUBP, LUBP, SMP, SMP, CVP, CVP, APYP, APYP, BOLP, BOLP, ABRA, ABRA, DAV, DAV, YULB, YULB, SSLB, SSLB, YHNB, YHNB, SJI, SJI, NLAI, NLAI, TTSI, TTSI, SPSI, SPSI, BNSI, BNSI, GUMO, GUMO, KAPI, KAPI, KAPI, KAPI, BKSI, BKSI, JNU, JNU, NONG, NONG, EDFI, EDFI, PBKT, PBKT, KMMI, KMMI, KRSR, KRSR, KRSR, KRSR, PLAI, PLAI, PAPA, PAPA, XAN, XAN, NGJI, NGJI, MJAR, MJAR, CM31, CM31, CMAR, CMAR, CMAR, CMAR, LEM, LEM, PSI, PSI, HHC, HHC

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PV09 Paradox Valley, WRH Wood River Hill, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSP Ksiaz, CHVC Chvalec, OSTC Ostas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WTTA comp=2.7,4nm,0.4s, RETA Reutte, SQTa Sankt Quirin, etc.

IDC 29 12:41:47.4,48.0,13.03S-168.42E,h0km,mb3.8/3, mb1 3.9/3,mb1mx3.5/3z,mbtmp3.8/3, Error ellipse: s-maj=825.3km s-min=117.1km az=64.0,Vanuatu Islands

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

IDC 29 12:49:57.7,2.2,48.69N-27.93W,h0km,mb3.4/3, mb1 3.7/3,mb1mx3.3/3z,mbtmp3.4/3,MS3.0/2,Ms1 3.0/2, ms1mx2.5/3e, Error ellipse: s-maj=82.5km s-min=31.0km az=178.0,Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ESDC Sonseca Array, DAVOX Davos/Dischmat, AKASG Main Array Be, etc.

MAN 29 12:52:30.3,14.23N-124.09E,h6km,mb4.1,ML2.9,MS2.5, 1D,Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PVPC Virac, GOP Guinayanang, GOP Catarman, etc.

KRSC 29 12:54:30.9,1.5,49.53N-156.59E,h199km,17km,ML3.5, Kurili Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SKR Severo-Kuril's, KDTR Khodutka, DALK Dalny, etc.

MAN 29 12:56:20.9,13.44N-120.27E,h36km,mb3.8,ML2.5, MS2.0,1C,Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LUBP Lubang, PGP Puerto Galera, SJMP San Jose, etc.

ISC 29 13:00:53.4,0.6,51.54N-100.03E,h622E,0.02,h0km,m68, a152/139,1C,Poland

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

GERES GERES Array B 14.96 347 PKPbc PKPbc 12.53 29.9 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES GERES Array B, GERES GERES Array S, etc.

GERES GERES Array B 14.96 347 PKPbc PKPbc 12.53 29.9 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES GERES Array B, GERES GERES Array S, etc.

MAN 29 13:00:52.0,2.0,3.51,48N-0.02E,16.18E,0.02,h0km, mb3.3/1, Error ellipse: s-maj=2.2km s-min=1.9km az=23.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BGR 29 13:00:56.0,0.4,51.42N-16.15E,h1km,ML3.3/1.5, Error ellipse: s-maj=4.4km s-min=2.2km az=16.0, PRU 29 13:00:55.3,0.0,51.44N-16.17E,h0km, MB3.4/1, IDC 29 13:00:55.2,0.6,51.42N-16.11E,h0km,mb3.4/1,

IDC 29 13:07:03.0,0.9,23.21N-70.45E,h0km,mb3.9/9, mb1 4.0/11,mb1mx3.7/49,mbtmp3.9/11,ML3.7/2, Error ellipse: s-maj=25.0km s-min=19.7km az=34.0

NEIC 29 13:07:02.0,0.4,23.27N-70.43E,h10km,mb4.1/11, Error ellipse: s-maj=3.3km s-min=6.8km az=222.0

NDI 29 13:07:03.3,1.4,23.64N-70.42E,h15km,38km,ML3.5 IDC 29 13:07:03.0,0.5,23.37N-0.05,70.37E,0.03,h15km,n46, e227/44,mb4.0/13,1C,Southern India

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BHJ Bhuj, BHJ comp=N,4um,0.2s, BHV Bhavnagar, etc.

GERES GERES Array B 14.96 347 PKPbc PKPbc 12.53 29.9 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES GERES Array B, GERES GERES Array S, etc.

GERES GERES Array B 14.96 347 PKPbc PKPbc 12.53 29.9 +0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GERES GERES Array B, GERES GERES Array S, etc.

ATH 29 13:08:22.9,34.02N-25.05E,h19km,4km,ML3.1/3, Error ellipse: s-maj=6.5km s-min=2.5km az=353.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ATH 29 13:08:25.2,1.9,34.18N-25.05E,h15km,16km, mb3.4/2, Error ellipse: s-maj=9.3km s-min=8.3km az=14.2

THE 29 13:08:26.8,34.24N-25.06E,h2km,2km,ML2.9/4, Error ellipse: s-maj=3.4km s-min=1.3km az=156.0

IDC 29 13:08:26.6,1.7,34.46N-25.18E,h0km,mb3.5/2,

mb1 3.7/3, mb1mx3.3/4.1, mbtmp3.5/3, ML3.7/1, Error ellipse: s-maj=32.0km s-min=20.6km az=91.0

ISC 29 13:08:26.7-1.9, 34.27N, 0.07:25.06E, 0.04, h1km, 11km, n2.0, c0.79/32, Crete

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like SIVA Sivas, LAST Lasithi, GVD Gavdhos, etc.

MAN 29 13:23:45.0, 7.68N, 127.33E, h3km, mb5.0, ML3.9, MS3.9

ISC 29 13:23:48.8-2.5, 7.26N, 125.41E, h0km, mb4.0/3, mb1 4.3/3, mb1mx3.6/3.8, mbtmp4.0/3, Error ellipse: s-maj=206.2km s-min=27.0km az=2.0

ISC 29 13:23:44.8-2.4, 7.0N, 127.0E, 0.1, h11km, 15km, n12, c1.825/18, mb3.7/3, 2C-3D, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like BIPH Bislig, MATI Mati, DMPH Davao City-Mi, etc.

ISC 29 13:36:54.9-0.9, 1.17N, 125.96E, h0km, mb4.1/6, mb1 4.3/6, mb1mx3.8/3.4, mbtmp4.2/6, MS3.2/4, Ms1 3.2/4, ms1mx2.7/3.5, Error ellipse: s-maj=73.8km s-min=17.4km az=76.0

ISCJCB 29 13:36:60.0-0.4, 1.31N, 126.19E, 0.06, h54km, mb4.0/12, MS3.1/4, Error ellipse: s-maj=8.2km s-min=4.8km az=164.8

DJA 29 13:36:59.1-1.2, 1.1N, 126.19E, 0.1, h12km, 12km, M4.4/8, mb4.6/3, mb5.1/1, MLV4.2/8, Mw(mb)4.4/1

NEIC 29 13:37:02.4-0.7, 1.23N, 126.24E, h58km, mb4.2/7, Error ellipse: s-maj=9.2km s-min=5.3km az=49.0

ISC 29 13:37:01.9-0.6, 1.33N, 126.25E, 0.07, h54km, n37, c1.13/39, mb4.2/12, MS3.2/4, 1C, Northern Molocca Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like TINTI Ternate, LBMI Labuha, SANSI Sangihe, etc.

0.6nm, 0.3s, baz=119, slow=7.8, SNR=4.8

KURK Kurchatov 63.50 328 eP P 13 47 26.4 0.0

ABKAR Akbulak array 79.70 321 eP P 13 48 29.9 -0.1

KMBO Kilima Mbogo 80.01 269 LR LR 14 27 05.4

TORD Torodi Arr Bess 123.16 287 PKP 13 55 53.9 +0.3

TOA1 Torodi Arr Sit 123.16 287 ePKPdf PKPdf 13 55 53.9 +0.3

PLCA Paso Flores 137.93 181 PKP PKPdf 13 56 22.3 +1.3

MOS 29 14:53:29.1-1.6, 24.43N, 62.67E, h10km, mb4.4/20, Error ellipse: s-maj=10.3km s-min=4.9km az=91.4

TEH 29 14:53:29.7, 24.60N, 62.59E, h20km, ML4.5, 3.9nm, 0.8s, baz=46, slow=2.4, SNR=4.4

IDC 29 14:53:30.6-0.6, 24.65N, 62.41E, h0km, mb4.1/23, mb1 4.2/25, mb1mx4.1/4.0, mbtmp4.1/25, ML3.6/2, MS3.4/5, Ms1 3.5/5, ms1mx3.1/26, Error ellipse: s-maj=15.0km s-min=13.8km az=2.0

NEIC 29 14:53:31.8-0.4, 24.64N, 62.47E, h10km, mb4.5/23, Error ellipse: s-maj=8.7km s-min=5.7km az=159.0

THR 29 14:53:35.2, 25.22N, 62.30E, h18km, ML4.4, OMAN 29 14:53:40.8-0.6, 24.63N, 61.92E, h34km, 25km, m4.6/11, Error ellipse: s-maj=34.6km s-min=4.7km az=257.0

DSN 29 14:53:42.8-2.7, 25.31N, 61.78E, h24km, ML4.6/8, Error ellipse: s-maj=59.9km s-min=15.2km az=24.0

ISC 29 14:53:32.4-2.7, 24.60N, 0.05:62.44E, 0.04, h15km, 17km, n19, c1.886/209, mb4.4/69, MS3.4/9, 5C, Off coast of Pakistan

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, ISC. Includes stations like CHBR Chabahar, WSAR Wadi Sarin, JLNW Wadi Sarin, etc.

SMLA Simla 14.55 60 eP Pn 14 56 56.5 -1.3

CHGR Chuyangaron 15.13 21 eP X 14 57 06.2 +0.6

RAYN Ar Rayn 15.51 270 ePn Pn 14 57 09.5 -1.2

RAYN Ar Rayn 15.51 270 eP Pn 14 57 09.5 -1.2

RAYN Ar Rayn 15.51 270 eP Pn 14 57 09.5 -1.2

GAR Garm 15.83 23 ePn P 14 57 14.0 -0.8

KSH Kashi 18.75 34 eP P 14 57 45.5 -0.3

KSH Kashi 18.75 34 eP S 14 57 06.0 -0.3

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

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KSH Kashi 18.75 34 eP S 15 01 05.3 -1.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like AKBB Malin Array Si, VOIR Lanzhou, KLMR Klimovskoe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ARU Arti, PDAR Pinedale Array, ILAR Eielson Array, etc.

IDC 29 15:08:03.1, 0.2, 0.29:373S:176:95W, h0km, mb4.2/7, mb1 3.7/8, mb1mx3.5/33, mbtmp3.5/8, MS3.1/4, Ms1 3.7/3, ms1mx2.7/35, Error ellipse: s-maj=38.7km s-min=27.3km az=133.0

NEIC 29 15:08:06.2, 0.8, 29:373S:176:88W, h18km, mb4.3/10, Error ellipse: s-maj=15.9km s-min=9.8km az=127.0

ISC 29 15:08:07.1, 0.8, 29:695S:008:177.1W, 0.2, h24km, n45, z=60/49, mb4.1/8, Kermadec Islands

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

JMA 29 15:14:35.6, 0.4, 43:394N:148:09E, h0km, Mb3.6 SKHL 29 15:14:38.0, 0.6, 44:37N:148:12E, h35km, 2km, mb3.8/2

ISC 29 15:14:31.2, 2.7, 44:18N:009:148.1E, 0.1, h10km, 16km, n11, i1905/19, Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KUR Kuril'sk, KUR 40nm, 0.8s, KUR 50nm, 0.8s, etc.

IDC 29 15:05:49.4, 1.0, 48:61N:27:96W, h0km, mb3.5/8, mb1 3.7/8, mb1mx3.5/33, mbtmp3.5/8, MS3.1/4, Ms1 3.1/4, ms1mx2.7/35, Error ellipse: s-maj=35.3km s-min=20.5km az=11.0, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like SCHQ Schefferville, NOA NORSAR Array B, AKASG Malin Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NMR Nemuro-Hokkai, NMR JRA, NMR JRS, etc.

IDC 29 15:22:01.4, 3.6, 20:84S:175:81W, h0km, mb3.6/2, mb1 3.8/2, mb1mx3.5/16, mbtmp3.5/2, Error ellipse: s-maj=283.7km s-min=62.6km az=160.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, ASAR 0.3nm, 0.5s, baz=93, slow=7.9, SNR=1.5, etc.

JMA 29 15:25:11.8, 0.1, 38:72N:142:34E, h39km, 1km, M3.6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like OFUJ Ofunato, OFUJ Kesennumamotoy, OFUJ Ishinomakikobu, etc.

IDC 29 15:29:06.9, 1.9, 6:84S:130:07E, h0km, mb3.8/2, mb1 3.8/4, mb1mx3.5/24, mbtmp3.7/4, ML3.8/2, Error ellipse: s-maj=158.5km s-min=25.9km az=66.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.2nm, 0.3s, baz=347, slow=12, SNR=26, etc.

IDC 29 15:33:28.0, 3.3, 37:08N:141:09E, h0km, mb3.6/3, mb1 3.6/5, mb1mx3.4/30, mbtmp3.5/5, ML2.3/2, Error ellipse: s-maj=71.4km s-min=29.1km az=159.0

ISCJB 29 15:33:35.2, 0.6, 36:84N:0:03:140:55E, 0.06, h12km, 5km, mb3.5/3, Error ellipse: s-maj=8.5km s-min=4.1km az=16.5

JMA 29 15:33:35.5, 36:84N:140:52E, h7km, 1km, ML2.9

ISC 29 15:33:32.6, 1.2, 36:81N:0:04:140:74E, 0.06, h29km, 7km, n21, i157/25, mb3.5/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JCHO Hitachi, JCHO Onaj, JCHO Wakimizuishiy, etc.

NIED 29 15:33:00, 38:60N:142:20E, h47km, Mw3.7 Best double couple: M4.560000x1014 NP1:146.00000, 879.00000, 1171.00000, NP2:237.00000, 881.00000, 111.00000

JMA 29 15:33:33.0, 1.2, 38:58N:142:20E, h37km, 1km, M3.9, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JKMT Kesennumamotoy, JKMT Ishinomakikobu, JKMT Ofunato, etc.

ISCJB 29 15:37:01.8, 0.5, 39:84N:0:06:33:07E, 0.03, h0km, Error ellipse: s-maj=8.1km s-min=3.8km az=4.6

DDA 29 15:37:01.4, 39:97N:33:05E, h7km, 1km, ML2.5

ISK 29 15:37:01.3, 39:87N:33:05E, h2km, ML1.6/10, Suspected Mining explosion.

29d 17h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ANTO Ankara, LOD Lodumlu, DELI KIRIKKALE, etc.

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

ISK 29 15:43:33.9, 38°58'N, 149°49'E, h21km, ML2.4/6
DDA 29 15:43:34.0, 38°58'N, 149°49'E, h21km, ML2.7
ISCB 29 15:43:35.0, 38°58'N, 149°49'E, h21km, ML2.9

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

PDG 29 15:53:48.8, 0.41, 0°17'N, 19°15'E, h10km, ML2.5/9, Error ellipse: s-maj=0.9km s-min=1.5km az=0.0

BEQ 29 15:53:48.8, 0.41, 0°17'N, 19°15'E, h10km, ML2.0/7
ISC 29 15:53:38.0, 2.5, 40.68N, 0.1x19.81E, 0.05, h11km, 10km, n24, c1921/46, 8C-5D, Albania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TIR Tirane, ULC Ulcinj, DRME Dracevica, etc.

ISK 29 16:01:21.9, 38°58'N, 142°85'E, h21km, 1km, ML2.3/4
DDA 29 16:01:22.7, 38°58'N, 142°83'E, h7km, 3km, ML2.8
ISCB 29 16:01:23.7, 0.5, 38°58'N, 142°81'E, 0.03, h6km, 9km, Error ellipse: s-maj=4.6km s-min=4.2km az=140.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ADCV BITLIS_Adilcev, MLAZ Malazgirt-MUS, etc.

2013 JUL

Table with columns: MLAZ, YANB Van, TUTA Tutak, AKDM Akdamar-Van, etc.

MAN 29 16:02:31.7, 12°39'N, 120°71'E, h6km, mb3.5, ML2.2, MS1.6, 1C, Mindoro

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SJMP San Jose, BUSP Coron, PGP Puerto Galera, etc.

MEX 29 16:05:27.2, 0.8, 16°04'N, 97°30'W, h28km, 12km, MD3.5, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like VHO Vista Hermosa, CAIG El Cayaco, etc.

NIED 29 16:05:00, 36°50'N, 140°60'E, h62km, Mw3.8 Best double couple: M4.91000x1014 N1.9x204.00000, 3.26.00000, 1.78.00000, NP2.3x38.00000, 3.65.00000, 1.96.00000

ISC 29 16:05:41.4, 0.8, 36°57'N, 140°38'E, h6km, mb3.9/11, mb1 3.9/16, mb1mx3.7/45, mbtmp3.8/16, ML3.3, MS2.3, Ms1 2.3/2, ms1mx2=12.0, Error ellipse: s-maj=17.4km s-min=16.0km az=12.0

ISCB 29 16:05:48.5, 0.4, 36°49'N, 140°68'E, 0.05, h68km, 2km, mb3.8/14, Error ellipse: s-maj=7.2km s-min=4.9km az=19.2

NEIC 29 16:05:48.6, 0.9, 36°56'N, 140°74'E, h53km, 8km, mb4.3/3, Error ellipse: s-maj=11.9km s-min=8.4km az=75.0

JMA 29 16:05:50.5, 0.1, 36°52'N, 140°57'E, h58km, 1km, M3.7 Broadband fault plane solution: P waves: NP1: e17.00000, 3.60.00000, 1.99.00000, NP2: e17.00000, 1.92.00000, Principal axes: T: P1g75.00000, Azm284.00000, N: P1g1.00000, Azm18.00000, P: P1g15.00000, Azm10.00000

JMA Felt III, J1. ISC 29 16:05:49.0, 0.7, 36°52'N, 140°62'E, 0.05, h61km, 6km, n49, c1934/57, mb3.7/14, 5C-6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JHO Hitachi, JHYU Hitachinakyam, JYU Yasato, etc.

JMA 29 17:25:46.5, 0.1, 24°46'N, 121°71'E, h8km, 1km, ML0.6, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WWA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

ISC 29 17:29:47.9, 1.1, 44°25'N, 105°57'W, h0km, mb1 3.5/4, mb1mx3.2/43, mbtmp3.1/4, ML3.3/4, Error ellipse: s-maj=27.8km s-min=9.0km az=147.0

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

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, etc.

ISC 29 17:03:08.4, 5.4, 3°52'S, 138°92'E, h113km, 61km, mb3.2/2, mb1 3.5/5, mb1mx3.2/25, mbtmp3.9/5, Error ellipse: s-maj=63.2km s-min=17.9km az=90.0, Irian Jaya

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

MAN 29 17:05:04.2, 7°25'N, 124°96'E, h23km, mb4.1, ML2.9, MS2.6, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KCP Kidapawan, BUKP Musuan, CTBH Cotabato-PC H, etc.

ISK 29 17:12:18.4, 38°44'N, 28°51'E, h6km, ML2.2/6
ISC 29 17:12:19.2, 0.4, 38°47'N, 0°03'28'E, 0.04, h6km, 4km, Error ellipse: s-maj=5.7km s-min=4.6km az=144.8

DDA 29 17:12:19.1, 38°49'N, 28°55'E, h6km, 1km, ML2.9
ISC 29 17:12:19.0, 0.9, 38°45'N, 0°03'28'E, 0.03, h6km, 7km, n19, c045/25, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MANT Manisa, KULA Kula-Manisa, USAK Uak-Merkez, etc.

JMA 29 17:25:46.5, 0.1, 24°46'N, 121°71'E, h8km, 1km, ML0.6, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GEDZ Gediz, AYDN Tasoluk, AYDN Balikesir, etc.

TAP 29 17:25:51.4, 24°46'N, 121°71'E, h8km, 1km, ML0.6, B, Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TWE Neicheng, TWC Suao, TWC Suao, etc.

ISC 29 17:29:47.9, 1.1, 44°25'N, 105°57'W, h0km, mb1 3.5/4, mb1mx3.2/43, mbtmp3.1/4, ML3.3/4, Error ellipse: s-maj=27.8km s-min=9.0km az=147.0

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SLDL Sedlovina, SMAR Somma, AVH Avacha, etc.

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishiy, JHO Hitachi, JFO Kawachi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MJAR Matsushiro Arr, MAT Matsushiro, ZALV Zalesovo Beam, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulo, CMIG Matias Romero, etc.

MEX 29 21:26:17.5-0.8,16.15N:97.21W,h31km,13km,MD3.5, Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAR Garm, CHGR Chuyangaron, KBL Kabul, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TAS Tashkent, SAMP Sargodha, UCH Uchtor, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DDJ Dehra Dun, PDGK Podgornye, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MAKZ Makanchi Array, MK31 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BHPH Bhopal, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, DMN Daman, KKN Kuratov, etc.

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

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SHME Aktubinsk, AKTO Aktubinsk, etc.

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

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like UOSS Minazif, HATD Hatf Dubai, etc.

29d 21h

Table with columns for station call letters, name, frequency, mode, and coordinates. Includes stations like AKH, NCK, MOKO, KOHI, AZL, KBZ, etc.

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Table with columns for station call letters, name, frequency, mode, and coordinates. Includes stations like LVV, WHN, VTS, UZH, KOLS, etc.

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Table with columns for station call letters, name, frequency, mode, and coordinates. Includes stations like KBS, JOW, KMBO, YSS, MBAR, etc.

IDC 29 21:41:04.0, 1.3, 34.92N:23.91E, h0km, mb3.7/5, mb1 3.6/7, mb1mx3.4/35, mbtpr3.5/7, ML2.9/2, Error ellipse: s-maj=37.8km s-min=22.7km az=147.0, ISCJB 29 21:41:07.1, 1.0, 34.64N:0.06:24.07E:0.04, h22km, 5km, mb3.7/5, Error ellipse: s-maj=10.0km s-min=5.6km az=17.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOS, ARCES, DPC, OSTC, etc.

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GEC2, GERES, KHC, etc.

NIED 29 22:56:00.23,70N,126.20E,h5km,Mw4.5 Best double couple: M=6.80000e+1015 NP1=35.00000 829.00000, lambda=147.00000. NP2=q2=75.00000, delta.00000, lambda=65.00000.
IDC 29 22:56:05.6:0.5,23.39N:126.33E,h0km,mb4.4/21, mb1 4.6/25,mb1mx4.5/35,mbtmp4.4/25,ML4.4/3,MS3.7/23, Ms1 3.7/23,ms1mx3.5/46,Error ellipse: s-maj=17.5km s-min=12.6km az=88.0

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WATA, SOTA, MOTA, etc.

ISC/JB 29 22:56:06.3:1.0,23.50N:126.38E:0.03,h15km,6km, mb4.7/71,MS3.8/28,Error ellipse: s-maj=5.1km s-min=3.6km az=152.3
NEIC 29 22:56:06.6:2.5,23.37N:126.33E,h10km,1km,mb4.7/42, mb1 4.6/25,mb1mx4.5/35,mbtmp4.4/25,ML4.4/3,MS3.7/23, MOS 29 22:56:07.6:1.1,23.41N:126.29E,h21km,mb4.9/26,Error ellipse: s-maj=8.8km s-min=5.7km az=114.6
BUJ 29 22:56:07.3:0.0,23.57N:126.17E,h7km,mb4.6/55, mb4.6/36,Ms4.1/43,Ms7.3/39/35
JMA 29 22:56:09.5:0.2,23.74N:126.19E,h131km,4km,M4.4
ISC 29 22:56:08.2:1.8,23.39N:126.37E:0.04,h17km,12km, n223,ct195/254,mb4.6/71,MS3.8/29,26C-7D, Southeast of Ryukyu Islands

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TORO, TOA1, ESDC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOGS, JOGS, JM2J, etc.

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

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

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

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOY, JOY, JOY, 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 LPAZ, SIV, PMSA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JOW, JOW, JOW, 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 GUC, PEL, COO2, etc.

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

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

MEX 29 22:55:30.1:0.6,15.16N:92.86W,h86km,7km,MD3.5, Mexico-Guatemala border region

30d 0h

Table with columns: UCH, baz, elevation, azimuth, range, bearing, status, and other parameters for various stations.

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Main table with columns: MDOK, Medeo, elevation, azimuth, range, bearing, status, and other parameters for various stations.

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Table with columns: ZON, station name, elevation, azimuth, range, bearing, status, and other parameters for various stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LAGR, YUK, KUR, MAJO, MJAR, USKR, KLR, PETK, KSRs, KSRs, SEY, YAK, SONM, BILL, H112, H111, H113, H11S, H11S2, ZALV, ZALV, ILAR, MKAR, INK, ARU, ARU, RES, YKA, GEYT, FINES, NVAR, NB2, NOA, NOA, AKASG, PDAR, TXAR.

LJU 30 00:27:03.4, 46:39N, 15:07E, h0km, Rockburst
VIE 30 00:27:03.6, 0.2, 46:40N-15:09E, h0km, mb0.4/1, ml1.1/4,
Error ellipse: s-maj=1.7km s-min=1.5km az=47.0,
Suspected Mining induced, Northwestern Balkan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SOKA, TOR, DBIC, DBIC, ESCD, KEST, BRTR, WRA, ASAR.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ISCB, NEIC, IDC, ISC, Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NIUE, NIUE, NIUE, MARC, PINN, DZM, ONTC, KNTN, NFK, OUF, URZ, BKZ, BRZ, THZ, FOZ, LBZ, EIDS, EIDS, ARMA, ARMA, GMCG, RMQ, CNB, CTAO, CAN, CAN, PMG, CMA, MTSU, COEN, COEN, TOO, TOO, STKA, STKA, QIS, HTT, BBOO, BBOO, HMH, POHA, KEKH, HPAH, WB2, WR1, WRA, AS06, AS31, AS31, AS31, ASAR, ASAR, KDU, GUMO, MTN, WRKA, FORT, FORT, KNRA, SOEI, PSAO, MEEK, MORW, GIRL, MJAR, MAJO, TPUB, KSM, PETK, PE1, CHGN, SCZ2, SC12, SAK, PAGB, KMRM, ARVC, 109C, MWC.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like VES, BAR, O02D, MURC, BFSC, EDW2, OHAK, MONP2, ISA, ISA, CMB, NJ2, NJ2, IKP, WDC, AFDM, N02D, PFO, PFO, O03E, M02C, SWSE, KDAK, KDAK, MDPB, CWBC, YBH, YBH, K02D, MLAC, J01E, BELC, MPMC, WAKR, GSC, GSC, HEC, BEKR, BEKR, HUMO, PNTR, VCNR, GLA, GLA, L04D, M04C, GMRC, GMRC, I03D, FURC, IRM, RYN, PAHR, NV01, NVAR, SHOC, TUQ, NV11, Y12C, Y12C, 113A, J04D, LDFC, KVN, I04A, 214A, TPNV, TPNV, MOD, PDMCI, H04D, G03D, J05D, SHPR, H04A, W13A, PINE, Y14A, SVW2, I05D, R11A, R11A, BMN, NLWA.

30d 1h

Table with columns: Code, Station Name, Az, Phase, ID, h, m, s, ISC, Res. Includes stations like Kayak Island, Granite Creek, Chitina Glacier, etc.

GEN 30 01:58:33.2, 45:90N, 6:91E, h10km, 1km, M12.3
ZUR 30 01:58:33.3, 45:91N, 6:91E, h9km, MLh2.5/20, Error ellipse: s-maj=1.8km s-min=1.0km az=315.0

ROM 30 01:58:33.7, 0.2, 45:889N, 0:008, 6:96E, 0:02, h10km, ML2.3/8, Error ellipse: s-maj=1.2km s-min=0.3km az=119.0

LDG 30 01:58:33.9, 0.0, 45:90N, 6:95E, h2km, Md3.0/3, M12.8/32, Error ellipse: s-maj=0.9km s-min=0.8km az=98.0

STR 30 01:58:37.4, 0.3, 46:12N, 6:51E, h25km, 3km, MLV2.6/7
ISC 30 01:58:32.7, 0.8, 45:90N, 0:01, 6:92E, 0:01, h15km, 5km, n137, r1938/227, 10C-SD, France

Table with columns: Code, Station Name, Az, Phase, ID, h, m, s, ISC, Res. Includes stations like Morge, Emosson Stauma, Lac Salanfe, etc.

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Table with columns: SATI, comp, E, AML, AML, 0.69 47, 0.70 123, 0.70 123, etc. Includes stations like Leukerbad 2, Traversella, etc.

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Table with columns: MUGIO, comp, E, AML, AML, 1.53 29, 1.78 139, 1.78 70, etc. Includes stations like Luterlat, Dagm, Piancastagn, etc.

PVY		eSn	Sn	02 15 50.2 -0.4
NKY	Niksic	4.18 11 <i>l</i> /Pn	Pn	02 15 01.7 -0.2
NKY		eSn	Pn	02 15 49.1 -1.5
BRV	Bratogost	4.22 6 <i>l</i> /Pn	Pn	02 15 01.7 -0.7
BRV		eSn	Pn	02 15 49.5 -2.0
BRV		eSn	Pn	02 15 01.6 -0.9
SKO	Skopje	4.22 38 ePn	Pn	02 15 04.3 +1.9
SKO		eSn	Pn	02 15 05.4 +3.6
SKO	Skopje	4.22 38 i Pn	Pn	02 15 04.4 +1.9
VILL	Villia	4.22 96 P	Pn	02 15 05.2 +2.3
KOME	Kolasin	4.31 16 <i>l</i> /Pn	Pn	02 15 04.3 +0.6
KOME		eSn	Pn	02 15 01.1 -1.1
VAY	Valandovo	4.42 52 ePn	Pn	02 15 06.3 +1.3
VAY		eSn	Pn	02 15 58.5 +2.3
VAY	Valandovo	4.42 52 i Pn	Pn	02 15 05.4 +0.3
STIP	Stip	4.42 46 i Pn	Pn	02 15 07.8 +2.7
IVA	Berane	4.42 19 <i>l</i> /Pn	Pn	02 15 05.6 +0.4
IVA		eSn	Pn	02 15 54.8 -1.7
VLI	Veliai	4.44 115 P	Pn	02 15 06.8 +1.5
KNT	Kendrikon	4.54 56 P	Pn	02 15 06.6 -0.1
UPM	Unac-Piva	4.55 9 <i>l</i> /Pn	Pn	02 15 07.3 +0.2
UPM		eSn	Pn	02 15 57.8 -2.1
UPM	Unac-Piva	4.55 9 ePn	Pn	02 15 08.1 +1.0
PLG	Polygouri	4.58 67 P	Pn	02 15 07.5 +0.2
PAIG	Paliyours	4.62 73 P	Pn	02 15 08.5 +0.6
MAKA	Makarska	4.63 352 i Pn	Pn	02 15 07.1 -0.8
MAKA		eSn	Pn	02 15 59.0 -2.4
VLY	Voula, Athens	4.69 99 P	Pn	02 15 10.2 +1.4
KTHR	Kythira	4.71 120 P	Pn	02 15 08.2 +1.1
PLE	Pljevlja	4.75 13 <i>l</i> /Pn	Pn	02 15 09.6 -0.1
PLE		eSn	Pn	02 16 02.6 -2.0
KTHA	Kythira Island	4.76 119 P	Pn	02 15 10.7 +1.0
SJES	Sjenica	4.81 18 ePn	Pn	02 15 09.9 -0.6
RUD	Rudo	5.02 312 ePn	Pg	02 15 12.8 -0.6
RUD		eSn	Pn	02 15 12.8 -0.6
KKB	Krupnik	5.05 50 P	Pn	02 15 14.0 +0.2
BARS	Barje	5.06 34 ePn	Pn	02 15 14.3 +0.5
SELS	Selova	5.12 27 ePn	Pn	02 15 15.0 +0.3
IVAS	Ivanjica	5.15 18 ePn	Pn	02 15 14.8 -0.3
IVAS		eSn	Pn	02 15 17.2 +0.5
ZIRJ	Zirje	5.24 342 ePn	Pn	02 15 16.6 +0.3
BBLs	Lazići	5.28 12 ePn	Pn	02 15 15.4 -1.5
BBLs		eSn	Pn	02 16 17.6 +0.1
BBLs	Lazići	5.28 12 ePn	Pn	02 15 16.8 -0.1
MMB	Musumiste	5.29 55 P	Pn	02 15 17.2 +0.1
MORC	Moric	5.42 34 ePn	Pn	02 15 16.8 +0.6
HAPS	Han Pijesak, BI	5.43 8 ePn	Pn	02 15 16.8 -2.3
GRUS	Gruba	5.59 21 ePn	Pn	02 15 21.2 +0.1
DIVS	Divibare	5.61 15 ePn	Pn	02 15 20.6 -0.9
DIVS	Divibare	5.61 15 ePn	Pn	02 15 21.0 -0.5
VTOs	Vitosh	5.62 44 eSn	Pn	02 15 22.1 +0.3
VTS		eSn	Pn	02 16 26.0 -0.1
VTS	Vitosh	5.62 44 i Pn	Pn	02 15 22.2 +0.5
VTS	Vitosh	5.62 44 P	Pn	02 15 21.7 -0.0
BOVS	Bovan	5.69 29 ePn	Pn	02 15 22.8 +0.3
DUGI	Dugi Otok	5.71 339 ePn	Pn	02 15 23.1 +0.3
DUGI		eSn	Pn	02 15 23.1 +0.3
MGRS	Mrkonjic Grad	5.74 354 ePn	Pn	02 15 25.5 +2.2
ZAPS	Zavoj	5.79 36 ePn	Pn	02 15 23.7 -0.2
ZAPS		eSn	Pn	02 16 31.2 +1.2
TRUS	Trudelj	5.82 18 ePn	Pn	02 15 24.5 +0.2
TRUS		eSn	Pn	02 16 30.7 -0.1
RZN	Rozhen	5.99 58 P	Pn	02 15 27.8 +1.0
UDBI	Udbina	6.04 345 ePn	Pn	02 15 29.6 +2.2
ZAGS	Zajecar	6.05 31 ePn	Pn	02 15 28.6 +1.2
BLY	Banja Luka	6.07 355 i Pn	Pn	02 15 28.9 +1.2
BLV	Banja Luka	6.07 355 ePn	Pn	02 15 28.7 +1.0
PLD	Plodiv	6.18 85 ePn	Pn	02 15 27.7 +0.4
NVLJ	Novajia	6.29 340 ePn	Pn	02 15 31.6 +0.9
KUBS	Kucevo	6.36 25 ePn	Pn	02 15 31.3 -0.4
IDI	Anoija	6.63 119 Pn	Pn	02 15 35.5 +1.3
IDI		eSn	Pn	02 16 48.2 -0.2
FRGS	Fruska Gora	6.60 12 ePn	Pn	02 15 33.9 -1.1
FRGS	Fruska Gora	6.60 12 ePn	Pn	02 15 33.6 -1.4
HEHR	Herzegovina	7.02 27 i Pn	Pn	02 15 39.3 -1.5
RIV	Rijeka	7.19 340 ePn	Pn	02 15 41.9 -0.5
OZLJ	Ozalj	7.14 346 ePn	Pn	02 15 43.5 +1.0
PTJ	Puntijarka	7.34 349 ePn	Pn	02 15 44.9
CRES	Cresnjavr	7.35 346 ePn	Pn	02 15 45.2 -0.1
ELND	Elena	7.36 52 i Pn	Pn	02 15 46.4 +1.0
BZS	Buzias	7.43 20 i Pn	Pn	02 15 46.0 -0.4
CELY	Cerknica	7.59 341 ePn	Pn	02 15 47.7 +0.4
MORH	Mrgy, Hungary	7.53 4 ePn	Pn	02 15 43.7 -4.0
GZR	Gura Zlata	7.59 27 i Pn	Pn	02 15 49.7 -1.0
LJU	Ljubljana	7.75 342 ePn	Pn	02 15 51.1 +0.2
OBKA	Obir	8.19 343 ePn	Pn	02 15 58.6 +1.8
OBKA		eSn	Pn	02 17 30.6 +1.4
SOKA	Soboth	8.25 346 ePn	Pn	02 15 57.9 +0.2
ARSA	Arzberg	8.82 349 i Pn	Pn	02 16 04.7 +0.6
DRGR	Dravograd	8.81 22 i Pn	Pn	02 16 07.8 +2.4
ABTA	Abfaltersbach	8.97 335 ePn	Pn	02 16 08.3 +0.7
ABTA		eSn	Pn	02 17 46.3 -2.1
MLR	Muntele Rosu	9.02 39 Pn	Pn	02 16 13.9 +5.5
PSZ	Piszkesteto	9.32 8 i Pn	Pn	02 16 15.1 +2.7
CONA	Conrad Observa	9.34 351 i Pn	Pn	02 16 15.2 +2.5
CONA		eSn	Pn	02 16 15.2 +2.5
MOLIN	Molin	9.52 345 ePn	Pn	02 16 16.4 +1.3
WTTA	Wattenberg	9.71 334 ePn	Pn	02 16 20.3 +2.5
WATA	Walderalim	9.80 334 ePn	Pn	02 16 20.5 +1.5
VYHS	Vyhne	9.81 4 ePn	Pn	02 16 20.0 +1.0
SQTA	Sankt Quirin	9.83 332 ePn	Pn	02 16 22.1 +2.7
SQTA		eSn	Pn	02 18 07.8 -1.7
FETA	Feichten	9.85 330 ePn	Pn	02 16 21.7 +2.0
MOTA	Moosalm	9.97 332 ePn	Pn	02 16 23.1 +1.7
MOTA		eSn	Pn	02 18 11.4 -1.7
DAVOS	Davos/Dischmat	10.01 326 Pn	Pn	02 16 24.8 +2.9
BURAR	Bucovina Array	10.37 28 i Pn	Pn	02 16 29.0 +2.2
DAVA	Damuels	10.40 328 ePn	Pn	02 16 30.3 +3.0
DAVA		eSn	Pn	02 18 26.3 +2.6
GERES	GERESS Array B	10.59 345 Pn	Pn	02 16 30.1 +0.3
GERES		eSn	Pn	02 18 25.7 -2.3
VRAC	Vranov	10.64 355 LR	LR	02 21 55.4
KOLS	Kolonice sedl	10.69 16 ePn	Pn	02 16 35.6 +4.5
KHC	Kasperske Hory	10.88 345 ePn	Pn	02 18 46.0 +1.2
KHC		eSn	Pn	02 18 43.5 +8.3
KHC		AMS	AMS	02 21 40.0
GOPC	GO Pechny, Ondr	11.43 350 AMS	AMS	02 22 00.0
PRU	Prutice	11.54 349 AMS	AMS	02 22 00.0
DPC	Dobruska-Polom	11.70 355 AMS	AMS	02 23 20.0
UPC	Udice	11.88 354 AMS	AMS	02 23 30.0
PVCC	Panska Ves	12.06 350 AMS	AMS	02 22 20.0
NKVC	Novy Kostel	12.17 343 AMS	AMS	02 24 10.0
BRTR	Keskin Array B	12.23 80 Pn	Pn	02 16 54.2 +1.9
AKASG	Malin Array Be	14.41 30 Pn	Pn	02 17 20.5 -1.4
MMAI	Mount Meron Ar	15.26 107 Pn	Pn	02 17 30.1 -3.3
ESL	Eilat	16.70 118 Pn	Pn	02 17 52.1 +0.1
ASF	Jabal al Asfar	16.76 107 Pn	Pn	02 17 52.1 -0.8
ESDC	Sonsecsa Array	17.00 280 Pn	Pn	02 17 55.7 -0.1

GNI	Garni	20.74 78 P	P	02 18 38.2 -0.5
HFS	Hagfors	21.62 354 P	P	02 18 48.3 +0.5
HFS		eSn	Pn	02 28 25.0
EKA	Eskdalemuir Ar	21.84 326 P	P	02 18 50.2 -0.1
NOA	NORSAR Array B	22.75 352 P	P	02 19 00.5 +0.5
NOA		LR	LR	02 28 54.5
FINES	FINES Array B	23.32 10 P	P	02 19 05.8 +0.1
TORD	Tordi Ar. Bea	29.25 214 P	P	02 20 00.8 +0.8
ARCAS	ARCCESS Array B	31.16 5 LR	LR	02 34 02.4
MKAR	Makanchi Array	46.76 58 P	P	02 22 27.3 +0.1
ZALV	Zalesovo Beam	46.86 48 P	P	02 22 27.9 +0.2
SONM	Songino Array	61.65 50 P	P	02 24 17.8 +1.8

MAN 30 02:25:52.3, 19:16'N, 121:27'E, h19km, mb4.7, ML3.6, MS3.5, 1D, Philippine Islands region

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
					m s	ISC
SGCP	Mat. Cagua	1.17 141	Op	ISC	02 26 13.8 +0.1	P
SGCP		eSn	Pn		02 26 29.4 +0.3	P
APYP	Conner	1.29 181	ePn	Pn	02 26 14.3 -1.1	P
APYP		eSn	Pn		02 26 32.0 -0.1	P
BBP	Basco	1.43 27	ePn	Pn	02 26 15.7 -1.6	P
BBP		eSn	Pn		02 26 36.5 +0.3	P
CVP	Callao Caves	1.54 160	i Pn	Pn	02 26 19.0 +0.2	P
CVP		i S	Pn		02 26 39.1 -0.3	P
ABRA	Dolores	1.60 200	ePn	Pn	02 26 18.3 -1.2	P
ABRA		eSn	Pn		02 26 37.9 -1.7	P
CAUP	Cauayan	2.27 167	ePn	Pn	02 26 31.4 -1.3	P
CAUP		eSn	Pn		02 27 15.1 +1.0	P
SMPP	San Manuel, Pa	3.05 191	ePn	Pn	02 26 40.7 +1.2	P
SMPP		eSn	Pn		02 27 17.5 +2.0	P
BALP	Baler	4.24 175	ePn	Pn	02 26 46.5 +2.0	P
BALP		eSn	Pn		02 27 23.9 -0.7	P

ISCJB 30 02:38:19.6, 0.6, 61.545S, 0:08:155.4E, 0.2, h10km, MS3.6/5, Error ellipse: s-maj=15.6km s-min=10.6km az=17.5

NEIC 30 02:38:22.9, 2.1, 61.435S, 155:31E, h16km, 4km, mb4.7/16, Error ellipse: s-maj=24.0km s-min=13.5km az=114.0

IDC 30 02:38:22.9, 3.5, 61.535S, 154:48E, h0km, mb3.9/4, mb1.4/1.4, mb1mx3.9/2.7, mbmp3.9/4, MS3.6/5, Ms1.3/6/5, ms1mx3.3/2.3, Error ellipse: s-maj=127.6km s-min=24.9km az=87.0

ISC 30 02:38:21.3, 0.8, 61.505S, 0:10:155:3E, 0:2, h10km, n31, +F68B/20, MS3.5/5, Baileny Islands region

Code	Station Name	A°	AZ°	Phase ID	Time Res	ISC
					m s	ISC
CASY	Casey	19.92 327	ePn	P	02 42 52.9 +0.2	P
RPZ	Rata Fakite	20.11 35 LR	LR		02 50 27.6	P
RPZ		193nm, 18.1s, baz=188,slow=36				
RPZ	Rata Peaks	20.11 35 ePn	Pn		02 44 41.6 -0.2	P
MAW	Mawson	36.62 220 P	P		02 45 28.0 +0.9	P
MAW		2.1nm, 1.4s, baz=108,slow=19,SNR=4.0				
MAW		LR	LR		03 00 32.1	P
MAW	Mawson	36.62 220 ePn	Pn		02 45 28.0 +0.9	P
H01W1	Cape Leeuwin H	37.20 297 T	T		03 24 55.1	P
H01W2	Cape Leeuwin H	37.21 296 T	T		03 24 55.4	P
H01W3	Cape Leeuwin H	37.22 296 T	T		03 24 56.3	P
ASAR	Alice Springs	40.57 329 P	P		02 46 02.7 +1.9	P
AS31	Alice Springs	40.57 329 ePn	Pn		02 46 02.7 +1.9	P
MORW	Morawa	41.48 303 ePn	Pn		02 46 05.2 -3.1	P
WR1	Warramunga Arr	44.04 331 P	P		02 46 30.4 +1.3	P
WR1		2.1nm, 0.9s, baz=169,slow=8.3,SNR=7.0				
SNAAs	Sanae	46.25 189 P	P		02 46 48.2 +2.1	P
SNAAs		0.9s, baz=169,slow=12,SNR=3.9				
PSAC3	Pilbara Seismi	46.78 312 ePn	Pn		02 46 52.0 +1.3	P
MMRI	Maurer	58.11 321 ePn	Pn		02 48 14.3 -0.6	P
KAPI	Kappang	62.30 319 LR	LR		03 13 33.5	P
MNAI	Manna	69.00 302 ePn	Pn		02 49 26.2 -0.6	P
PSI	Prapat	77.14 301 LR	LR		03 18 09.8	P
SUR	Sutherland	79.45 218 ePn	Pn		02 50 25.1 -2.7	P
H08S2	Diego Garcia H	79.90 273 T	T		04 18 21.2	P
H08S1	Diego Garcia H	79.91 273 T	T		04 18 19.5	P
H08S3	Die Garcia H	79.92 273 T	T		04 18 16.0	P
CPUP	Villa Florida	88.59 151 ePn	Pn		02 51 11.7 -2.5	P
Y5TA	Sumter	135.48 102 ePKPpre	PKPpre		02 57 32.1	P

IDC 30 02:42:44.6, 0.6, 6.75S, 155:20E, h0km, mb4.3/12, mb1.4/1.3, mb1mx4.2/3.0, mbmp4.2/1.3, ML3.9/1, MS3.4/3, Ms1.3/4/3, ms1mx2.8/2.7, Error ellipse: s-maj=25.0km s-min=17.2km az=125.0

ISCJB 30 02:42:49.5, 0.4, 6.81S, 0:05:155:14E, 0:05, h41km, mb4.4/24, MS3.4/1, Error ellipse: s-maj=7.7km s-min=6.3km az=140.2

NEIC 30 02:42:53.3, 1.5, 6.78S, 155:13E, h65km, 5km, mb4.5/16, Error ellipse: s-maj=13.7km s-min=11.4km az=93.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like USP, CHMS, KBK, BTk, etc.

ISK 30 02:52:43.6, 38.77N:43.16E, h5km, ML2.0/4
DDA 30 02:52:44.7, 38.75N:43.15E, h7km, 2km, ML2.5
ISC 30 02:52:44.7, 1.2, 38.75N:0.04:43.16E:0.09, h13km, 12km, n10, c056/15, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VANB, TVAN, VMUR, AKDM, etc.

NEIC 30 02:53:54.5, 1.9, 27.57N:138.64E, h408km, 3km, mb4.3/22, Error ellipse: s-maj=28.8km s-min=15.3km az=77.0
ISCJB 30 02:53:55.7, 0.3, 27.86N:0.03:139.56E:0.06, h478km, mb4.1/43, Error ellipse: s-maj=7.7km s-min=3.8km az=172.0

ISC 30 02:53:56.8, 0.6, 27.94N:139.65E, h484km, 3km, mb3.5/20, m1 3.7/25, mb1mx3.5/45, mbtmp4.3/25, Error ellipse: s-maj=13.8km s-min=9.1km az=80.0
JMA 30 02:53:57.4, 0.3, 28.12N:140.30E, h510km, 5km, M4.2
ISC 30 02:53:56.6, 0.4, 27.94N:0.06:139.66E:0.09, h478km, n72, c1540/79, mb4.2/43, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CBLJ, CBLU, JHH2, etc.

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

ISC 30 02:55:46.8, 1.2, 29.58S:176.21W, h0km, mb4.1/6, mb1 4.3/6, mb1mx4.0/22, mbtmp4.1/6, MS3.4/2, Ms1 3.4/2, ms1mx2.8/27, Error ellipse: s-maj=56.5km s-min=25.6km az=122.0

NEIC 30 02:55:56.1, 2.3, 29.34S:176.44W, h70km, 6km, mb4.4/8, Error ellipse: s-maj=23.3km s-min=7.4km az=163.0
ISC 30 02:55:49.0, 0.8, 29.35S:0.2:176.17W:0.09, h21km, n32, c136/27, mb4.5/12, Kermadec Islands region

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

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

NEIC 30 03:00:27.8, 2.4, 21.65S:177.57W, h322km, 5km, mb4.6/10, Error ellipse: s-maj=13.5km s-min=10.4km az=131.0

BJJ 30 03:00:28.5, 0.0, 21.70S:177.30W, h363km, mb4.7/10, mb4.6/7

ISCJB 30 03:00:0.0, 0.2, 21.67S:0.02:177.81W:0.04, h350km, mb4.4/99, Error ellipse: s-maj=5.9km s-min=2.9km az=20.5

ISC 30 03:00:30.8, 2.5, 21.71S:177.74W, h350km, 25km, mb4.0/13, mb1 4.2/14, mb1mx4.0/24, mbtmp4.7/14, Error ellipse: s-maj=15.4km s-min=11.3km az=141.0

ISC 30 03:00:31.2, 0.4, 21.73S:0.05:177.69W:0.07, h350km, n197, c162/203, mb4.5/99, Az, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RIZ, GLKZ, NIUE, etc.

CHKK	baz=24 Chushkaly 111nm,0.2s	1.75 323	eP	Pb	04 25 54.7	-0.5
CHKK	219nm,0.3s		eS	Sb	04 26 17.2	+0.1
KTBS	baz=13 Karatohe 30nm,0.2s	1.79 315	P	Pb	04 25 55.2	-0.7
KTBS	219nm,0.2s		S	Sb	04 26 18.2	-0.2
KTBS	baz=13 Karatohe 30nm,0.2s	1.79 315	eP	Pb	04 25 55.2	-0.7
KTBS	219nm,0.2s		eS	Sb	04 26 18.2	-0.2
KTBS	30nm,0.2s		eS	Sb	04 25 55.2	-0.7
KTBS	30nm,0.2s		eS	Sb	04 26 18.2	-0.2
ARXS	213nm,0.2s Arhary 32nm,0.3s	1.81 346	P	Pb	04 25 55.5	-0.7
ARXS	168nm,0.3s Arhary 32nm,0.3s	1.81 346	eP	Pb	04 25 55.5	-0.7
ARXS	32nm,0.3s		eS	Sb	04 26 18.6	-0.3
KST	168nm,0.3s Kastek 43nm,0.3s	1.91 288	P	Pb	04 25 57.1	-0.9
KST	55nm,0.6s		S	Sb	04 26 21.5	-0.4
KST	baz=89 Kastek 43nm,0.3s	1.91 288	eP	Pb	04 25 57.1	-0.9
KST	43nm,0.3s		eS	Sb	04 26 21.5	-0.4
KST	55nm,0.6s		eS	Sb	04 26 21.5	-0.4
NRN	Naryn baz=41	2.09 241	iP	Pn	04 25 59.6	+1.3
NRN	41nm,0.2s		iS	Sb	04 26 26.2	-1.0
KUU	Kury 14nm,0.2s	2.10 314	Pg	Pb	04 26 00.3	-0.8
KUU	150nm,0.3s Kury 14nm,0.2s	2.10 314	eP	Pb	04 26 00.3	-0.8
KUU	14nm,0.2s		eS	Sb	04 26 26.9	-0.2
KUU	14nm,0.2s		eS	Sb	04 26 00.3	-0.8
DGS	150nm,0.3s Degeres 20nm,0.3s	2.11 293	Pg	Pb	04 26 01.1	-0.3
DGS	69nm,0.3s Degeres baz=99	2.11 293	eP	Pb	04 26 01.1	-0.3
DGS	20nm,0.3s		eS	Sb	04 26 28.2	
DGS	69nm,0.3s Degeres baz=99	2.11 293	eP	Pb	04 26 01.1	-0.3
DGS	20nm,0.3s		eS	Sb	04 26 28.2	+0.6
DJR	Jarkent 51nm,0.2s	2.11 27	Pg	Pb	04 26 00.5	-0.9
DJR	106nm,0.2s Jarkent 51nm,0.2s	2.11 27	eP	Pb	04 26 00.5	-0.9
DJR	51nm,0.2s		eS	Sb	04 26 27.2	-0.5
TKM2	106nm,0.2s Tokmak 2 20nm,0.7s	2.14 283	iP	Pb	04 26 01.0	-1.0
TKM2	20nm,0.7s		iLg	Lg	04 26 29.4	
TKM2	103nm,0.5s Tokmak 2 baz=84	2.14 283	iP	Pb	04 26 00.2	+1.3
TKM2	84nm,0.5s		iS	Sb	04 26 26.9	-1.8
TKM2	103nm,0.5s Tokmak 2 SNR=36	2.14 283	P	Pb	04 26 01.1	-0.9
KZA	Kyzart baz=62	2.40 262	iP	Pn	04 26 03.5	+0.9
KZA	62nm,0.3s		iS	Sb	04 26 32.9	+0.8
KZA	62nm,0.3s Kyzart SNR=11	2.40 262	P	Pb	04 26 05.1	-1.3
TDK	Taldyogorhan 90nm,0.3s	2.54 360	Pg	Pb	04 26 08.5	-0.1
TDK	100nm,0.3s Taldyogorhan 90nm,0.3s	2.54 360	eP	Pb	04 26 08.5	-0.1
TDK	90nm,0.3s		eS	Sb	04 26 41.2	+1.3
TDK	100nm,0.3s Taldyogorhan 90nm,0.3s	2.54 360	eP	Pb	04 26 08.5	-0.1
TDK	90nm,0.3s		eS	Sb	04 26 41.2	+1.3
KBK	100nm,0.3s Karagaybulak baz=76	2.58 275	iP	Pn	04 26 06.0	+1.0
KBK	76nm,0.3s		iS	Sb	04 26 37.6	+1.1
KBK	100nm,0.3s Karagaybulak SNR=16	2.58 275	eP	Pb	04 26 07.8	-1.7
CHMS	Chumysh baz=83	2.77 282	iP	Pn	04 26 08.6	+1.2
CHMS	83nm,0.3s		iS	Sb	04 26 41.7	+0.9
KAPS	baz=83 Kapalarasan 6.5nm,0.2s	2.90 13	Pg	Pb	04 26 14.1	-0.7
KAPS	14nm,0.3s Kapalarasan 7.7nm,0.2s	2.90 13	eP	Pb	04 26 14.2	-0.6
KAPS	7.7nm,0.2s		eS	Sb	04 26 50.7	+0.4
AAK	14nm,0.3s Ala-Archa 2.2nm,0.5s	2.92 275	iP	Pb	04 26 14.4	-0.8
AAK	12nm,0.5s Ala-Archa baz=75	2.92 275	iP	Pn	04 26 10.3	+0.8
AAK	75nm,0.3s		iS	Sb	04 26 45.5	+0.8
UCH	baz=75 Uchtor baz=67	2.92 267	iP	Pn	04 26 10.3	+0.5
UCH	67nm,0.3s		iS	Sb	04 26 45.5	+0.4
UCH	baz=67 Uchtor SNR=7.1	2.92 267	P	Pb	04 26 12.7	-2.6
SGDS	Sogindy 4.9nm,0.2s	2.96 291	Pg	Pb	04 26 15.8	-0.1
SGDS	20nm,0.3s Ospenovka baz=87	3.00 287	iP	Pn	04 26 11.5	+0.9
USP	87nm,0.3s		iS	Sb	04 26 47.1	+0.5
USP	baz=87 Ospenovka SNR=5.9	3.00 287	P	Pg	04 26 55.6	+3.5
ARLS	5.9nm,0.3s Aral baz=61	3.12 260	iP	Pn	04 26 12.8	+0.5
ARLS	61nm,0.3s		iS	Sb	04 26 49.9	+0.3
EKS2	baz=61 Erkin-Say baz=75	3.45 275	iP	Pn	04 26 18.1	+1.3
EKS2	75nm,0.3s		iS	Sb	04 26 58.2	+0.5
AML	baz=75 Almayashu baz=66	3.53 266	eP	Pn	04 26 19.4	+1.2
AML	66nm,0.3s		iS	Sb	04 27 00.9	+0.7
MRKS	baz=66 Merke 2.7nm,0.2s	3.86 276	Pg	Pb	04 26 31.8	+0.7
MRKS	19nm,0.3s Merke baz=76	3.86 276	eP	Pb	04 26 31.8	+0.7
MRKS	76nm,0.3s		eS	Sb	04 27 21.0	+3.2
MRKS	baz=76 Merke 2.7nm,0.2s	3.86 276	eP	Pb	04 26 31.8	+0.7
MRKS	2.7nm,0.2s		eS	Sb	04 27 21.0	+3.2
MRKS	19nm,0.3s		eS	Sb	04 27 21.0	+3.2
BTLS	baz=11 Baital 2.7nm,0.3s	4.09 311	Pg	Pb	04 26 36.2	+1.2
BTLS	8.7nm,0.4s Baital 2.7nm,0.3s	4.09 311	eP	Pb	04 26 36.2	+1.2
BTLS	0.3s		eS	Sb	04 27 28.5	

BTLS	baz=11 Baital 2.7nm,0.3s	4.09 311	eP	Pb	04 27 28.5	+3.9
BTLS	8.7nm,0.4s Makanchi 1.4nm,0.4s	5.03 29	iLg	Lg	04 27 59.5	
MAKZ	Makanchi 1.4nm,0.4s	5.03 29	iLg	Lg	04 27 59.5	
MK31	Makanchi Array 5.13 31 iP		Pn	Pb	04 26 41.5	+1.7
MK31	0.2nm,0.2s, baz=214, slow=13, SNR=8.8		iP	Pn	04 26 54.7	+1.9
MK31	0.2nm,0.3s, baz=207, slow=16, SNR=4.2		iS	Sb	04 27 40.7	+1.7
MK31	0.8nm,0.3s, baz=212, slow=21, SNR=6.3		iLg	Lg	04 28 02.6	
MK31	0.4nm,0.2s, baz=213, slow=29, SNR=4.6		iLg	Lg	04 28 02.6	
KK31	Karatay Array 5.87 279 iP		Pb	Pb	04 27 06.8	+1.4
KK31	1.0nm,0.5s, baz=92, slow=16, SNR=6.0		iLg	Lg	04 28 26.3	
KK31	2.4nm,0.5s, baz=92, slow=30, SNR=8.1		iLg	Lg	04 28 26.3	

ISK 30 04:38:55.8, 40:31'N, 25:80'E, h10km, ML2, 1/10
 ISCJB 30 04:38:56.3, 40:31'N, 0:02:25:79E, 0:03, h7km, 4km,
 Error ellipse: s-maj=4.3km s-min=3.6km az=153.1
 ATH 30 04:38:56.5, 40:32'N, 25:81'E, h15km, 7km, ML1.5/4, Error
 ellipse: s-maj=8.1km s-min=1.3km az=212.0
 DDA 30 04:38:57.0, 40:29'N, 25:88'E, h8km, 3km, ML2.9
 ISC 30 04:38:56.5, 0.9, 40:31'N, 0:02:25:80E, 0:03, h11km, 7km,
 n26, c048/37, Aegean Sea

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
GADA	Gvkgeada	0.14 148	Op PG	04 38 59.6	-0.1
GADA	GADA		SG	04 39 01.9	-0.3
SMTH	Samothraki Isl	0.26 308	P PG	04 39 02.2	+0.3
SMTH	SMTH		S Sg	04 39 06.1	+0.7
SMTH	comp=E,752um,0.1s		AML AML	04 39 06.2	
SMTH	comp=N,1113um,0.2s		AML AML	04 39 06.5	
ENEZ	Enez	0.50 32	PG PG	04 39 06.3	0.0
BOZC	Bozcaada	0.51 157	PG PG	04 39 06.1	-0.3
BOZC	Bozcaada	0.51 157	iP S	04 39 06.3	0.0
BOZC	Bozcaada	0.51 157	iS Sg	04 39 13.7	+0.6
ALN	Alexandroupoli	0.61 18	PG PG	04 39 08.3	-0.1
ALN	ALN		SG Sg	04 39 17.0	+0.5
ALN	Alexandroupoli	0.61 18	P S	04 39 08.3	-0.1
ALN	ALN		S Sg	04 39 20.3	-0.6
ALN	comp=N,31um,0.1s		AML AML	04 39 20.3	
ALN	ALN		AML AML	04 39 20.3	
LIA	Limnos Island	0.63 229	P PG	04 39 08.8	+0.2
LIA	LIA		S Sg	04 39 18.2	0.0
LIA	LIA		AML AML	04 39 20.5	
LIA	comp=N,108um,0.2s		AML AML	04 39 20.9	
LIA	comp=E,98um,0.3s		AML AML	04 39 20.9	
LPK	Lapseki	0.74 85	PG PG	04 39 10.3	-0.4
BAYC	CANAKKALE_Bayr	0.81 135	iP S	04 39 11.5	-0.6
BAYC	BAYC		iS Sg	04 39 23.5	+0.1
KESN	Edirne-Kesan	0.84 52	iP S	04 39 13.9	+0.5
KESN	KESN		iS Sg	04 39 25.3	+0.4
RDO	Rodhopi	0.86 347	PG PG	04 39 12.7	-0.3
THAS	Thassos island	0.88 290	P S	04 39 13.1	-0.3
THAS	THAS		S Sg	04 39 26.0	+0.6
THAS	THAS		AML AML	04 39 27.3	
THAS	comp=N,60um,0.2s		AML AML	04 39 28.5	
GPNR	Gulpinar-Canak	0.89 163	PG PG	04 39 13.1	-0.5
SIGRI	SIGRI	1.10 178	PN Pn	04 39 17.4	-0.1
RYV	Marmara Adasi	1.40 77	PN Pn	04 39 17.2	0.5
SART	Sarkoy-Tekirda	1.11 70	PN Pn	04 39 18.5	+0.3
SART	Tekirdag	1.12 70	iP S	04 39 18.5	+0.3
SART	SART		iS Sg	04 39 33.8	+0.2
AYVA	Ayvalik	1.21 145	iP S	04 39 19.7	-0.1
AYVA	AYVA		iS Sg	04 39 36.8	+1.0
AYVA	AYVA		iLg	04 39 36.8	+1.0
KDZ	Kurdzhali	1.37 348	PN Pn	04 39 20.9	-0.6
OUR	Ouranopolis	1.39 272	PN Pn	04 39 20.7	-1.1
MIRM	Marmara Adasi	1.40 77	PN Pn	04 39 17.2	0.5
GONE	Gonen-Balikesi	1.47 100	PN Pn	04 39 23.0	+0.1
EDC	Edinick	1.58 88	PN Pn	04 39 24.9	+0.5
KIRK	Kirklareli	1.77 33	iP Pn	04 39 28.5	-0.4
CHOS	Chios island	1.93 174	PN Pn	04 39 29.3	0.0
KCTX	Karacabey (Bur	1.96 91	PN Pn	04 39 29.3	-0.3

DDA 30 04:50:00.9, 35:89'N, 28:27'E, h7km, 7km, ML2.8
 ATH 30 04:50:02.2, 36:01'N, 28:25'E, h59km, 2km, ML2.4/2, Error
 ellipse: s-maj=3.8km s-min=1.6km az=355.0
 ISCJB 30 04:50:02.0, 0.5, 35:89'N, 0:04:28:28E, 0:04, h62km, 10km,
 Error ellipse: s-maj=7.0km s-min=5.2km az=165.3
 ISK 30 04:50:02.9, 35:93'N, 28:26'E, h40km, 2km, ML2.7/15
 HLW 30 04:50:03.8, 35:69'N, 28:34'E, h33km, 23km, Md4.0
 THE 30 04:50:04.0, 36:00'N, 28:27'E, h51km, 2km, ML2.3/1, Error
 ellipse: s-maj=8.2km s-min=0.6km az=346.0
 ISC 30 04:50:02.1, 1.2, 35:87'N, 0:04:28:25E, 0:04, h53km, 11km,
 n37, c1568/52, Eastern Mediterranean Sea

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
ARG	Arkhangelos	0.36 344	Op PG	04 50 12.2	+0.2
ARG	ARG		SG Sg	04 50 17.8	-1.4
ARG	Arkhangelos	0.36 344	P Pn	04 50 12.3	+0.2
ARG	ARG		S Sg	04 50 19.0	-0.2
ARG	432nm,0.1s Arkhangelos	0.36 344	P S	04 50 12.3	+0.2
ARG	ARG		S AML	04 50 19.3	+0.1
ARG	ARG		AML AML	04 50 20.4	
ARG	comp=E,1079um,0.2s		AML AML</		

30d 4h

Table with columns: YHNB, Yeheng, 1.15 296, P, Pn, 04 55 46.1 +0.9, SLGT, etc. Includes various station identifiers and coordinates.

2013 JUL

Table with columns: ECL, Taimali, 2.12 223, eP, Pn, 04 55 57.9 -0.5, etc. Includes station identifiers and coordinates.

1590

Table with columns: STKA, Stephens Creek, 28.19 199, eP, P, 05 04 56.3 -0.9, etc. Includes station identifiers and coordinates.

Vertical text block containing technical data and station identifiers: IDC 30 04:59:08.2, 0.7, 5.17S; 151.97E, h41km, 5km, mb4.1/14, etc.

Table with columns: Code, Station Name, A, AZ, Op, Phase ID, Time, Res, etc. Includes station identifiers and coordinates.

AUSIV	iS	Sg	05 35 30.3 -2.1	ARCR	ARCALIA	6.86 352/1P	Pn	05 34 48.7 -1.1	OJC	Ojcow	10.78 339 eP	Pn	05 35 42.2 -1.3	
SRN	Sarande	4.49 266 iP	Pn	05 34 18.8 +1.4	DRGR	6.86 342 ePn	Pn	05 34 49.2 -0.8	OJC	Ojcow	10.78 339 ePn	Pn	05 35 44.0 +0.4	
BAGO	Egridir - ISPA	4.50 119 iP	Pn	05 34 17.0 -0.5	DRGR	6.86 342/1P	Pn	05 34 50.8 +0.8	OJC	Ojcow	10.78 339 eP	Pn	05 35 42.3 -1.3	
BOVS	Bovan	4.53 319 ePn	Sg	05 35 36.8 +3.7	MLRM	6.86 342 P	Pn	05 34 49.0 -1.0	SOC	Sochi	10.85 68 eP	Pn	05 35 39.7 -4.8	
BOVS	BOVS	4.53 319 ePn	Sg	05 34 17.7 -0.1	DRGR	6.86 342/1P	Pn	05 34 50.9 -0.2	SOC	Sochi	10.85 68 eP	Pn	05 37 42.6	
TIRR	Tirgusor	4.56 24 iP	Pn	05 34 18.1 -0.2	KIS	Kishinev	7.03 17/1P	Pn	05 34 51.0 -1.1	MYKA	Terra Mystica comp=E,10nm,0.6s,SNR=5.3	10.87 310 iP	Pn	05 35 47.4 +2.5
TIRR	Tirgusor	4.56 24/1P	Pn	05 34 17.3 -1.0	KIS	comp-Z,380nm,1.0s				OKC	Ostrava-Krasne comp=E,3um,9.8s	10.96 333 AMS	AMS	05 40 40.0
TIRR	Tirgusor	4.56 24 iP	Pn	05 34 18.1 -0.2	KIS	Kishinev	7.03 17/1P	Pn	05 36 08.0 -4.4	SHMJ	Saham comp=E,22nm,0.4s	11.00 130 P	Pn	05 35 46.5 -0.2
SELS	Selova	4.57 311 ePn	Pn	05 34 17.9 -0.5	KIS	Kishinev	7.03 17/1P	Pn	05 36 40.0 -0.4	MMLI	Mount Malkishu	11.02 132 ePn	Pn	05 35 46.3 -0.6
SELS	SELS	4.57 352/1P	Sg	05 35 34.8 -0.4	KIS	comp-Z,6um,12.0s			LN	LR				
TLB	Topalu	4.57 20/1P	Pn	05 34 18.6 +0.2	KIS	Kishinev	7.03 17/1P	Pn	05 36 08.0 -4.4	KRUC	Moravsky	11.02 326 ePn	Pn	05 35 46.4 -0.3
KIBS	BOLU	4.60 87 iP	Sg	05 34 19.1 +0.1	KIS	Kishinev	7.03 17/1P	Pn	05 34 51.0 -1.1	MORC	Moravsky Berou	11.12 331 ePn	Pn	05 35 48.0 -0.4
PLAR	PLOIESTI	4.60 2/1P	Pn	05 34 19.9 +1.1	KIS	comp-Z,380nm,1.0s			Sn	MORC	Moravsky Berou	11.12 331/1P	Pn	05 35 48.5 +0.2
HARR	Harsava	4.67 167 eP	Pn	05 34 19.5 +0.1	KIS	Kishinev	7.03 17/1P	Pn	05 34 51.0 -1.1	MORC	Moravsky Berou	11.12 331 eP	Pn	05 35 48.0 -0.4
TIR	Tirane	4.64 285 ePn	Pn	05 34 18.6 +0.2	KIS	comp-N,1um,2.0s			pmx	MORC	Moravsky Berou	11.12 331 ePn	Pn	05 35 47.7 +0.4
TIR	Tirane	4.64 285 ePn	Pn	05 34 19.6 +0.2	KIS	comp-N,6um,12.0s			MLR	VRAC	Vranov comp=E,0.6nm,0.3s,baz=142,slow=12,SNR=10	11.12 327 Pn	Pn	05 35 48.9 +0.6
TIR	Tirane	4.64 285/1P	Pn	05 34 20.9 +1.5	KIS	comp-N,6um,12.0s			MLR	VRAC	Vranov comp=E,1um,18.5s,baz=134,slow=37	11.12 327 ePn	LR	05 39 57.8
TIR	Tirane	4.64 285 eP	Pn	05 34 21.6 +2.2	KIS	comp-Z,6um,12.0s			MLR	VRAC	Vranov comp=E,0.4nm,0.2s	11.21 327 ePn	Pn	05 35 49.3 +1.0
TIR	Tirane	4.64 285 iP	Pn	05 34 26.1 -4.4	KIS	comp-Z,6um,12.0s			MLR	HMDT	Nahal Hemdat	11.21 333 Pn	Pn	05 35 49.1 -0.5
PGOR	Pogorelec	4.67 10/1P	Pn	05 34 19.4 -0.4	PRAR	RASCA	7.05 2/1P	Pn	05 34 52.2 -0.3	MOA	Molin	11.21 316 ePn	Pn	05 35 50.4 +0.8
BCAM	Benicicaga	4.78 82 iP	Pn	05 34 21.9 +0.5	TIP	Timpagrande	7.08 264 ePn	Pn	05 34 53.3 +0.3	TREC	Trest comp=E,7um,10.5s	11.59 324 AMS	AMS	05 40 50.0
BCI	Bajram Curri	4.80 297 iP	Pn	05 34 23.4 +1.8	BLP	Blagaj	7.08 264/1P	Pn	05 34 53.3 +0.3	ABTA	Abfaltersbach comp=E,8.4nm,0.5s,SNR=7.5	11.60 308 iPn	Pn	05 35 58.4 +3.5
PUK	Pujka	4.80 293 iP	Pn	05 34 23.4 +1.8	SEVA	Sevastopol	7.17 51/1P	Pn	05 34 53.4 -0.8	YDI	Yatir	11.68 137 Pn	Pn	05 35 55.3 -0.3
ISRT	Istria	4.83 61/1P	Pn	05 34 22.5 +0.4	SEV	Sevastopol	7.18 51/1P	Pn	05 34 52.5 -1.7	DSI	Dra Sea	11.68 137 Pn	Pn	05 35 56.2 +0.2
WLO	Wlora	4.84 274 iP	Pn	05 34 23.4 +1.2	SEV	Sevastopol	7.18 51/1P	Pn	05 34 52.5 -1.7	KZIT	Kziot	11.68 141 Pn	Pn	05 35 54.5 -1.5
KORT	Korkueli	4.84 132 iP	Pn	05 34 23.2 +0.9	SEV	Sevastopol	7.18 51/1P	Pn	05 34 52.5 -1.7	KZIT	Kziot	11.68 141 P	Pn	05 35 54.9 -1.1
KORT	KORT	4.84 132 iP	Pn	05 34 23.2 +0.9	SEV	Sevastopol	7.18 51/1P	Pn	05 34 52.5 -1.7	WALU	Waluj comp=E,91nm,0.6s	11.89 134 P	Pn	05 35 58.8 -0.1
ANKY	Antikythra Is	4.87 205 P	Sg	05 34 21.1 -1.4	MAKA	Makarska	7.22 297 iP	Pn	05 34 59.2 +4.3	LISJ	El Lisan	11.96 136 P	Pn	05 36 00.9 +1.1
KARP	Karpathos	4.87 167 ePn	Pn	05 34 22.1 -0.5	DMK	Dikmen	7.26 76/1P	Pn	05 34 57.2 +0.6	DPC	Dobruska-Polom	12.05 330 eP	MLR	05 36 02.1 +1.1
KARP	Karpathos	4.87 167 eP	Pn	05 34 22.1 -0.5	BURAR	Bucovina Array	7.31 357/1P	Pn	05 34 57.2 +0.6	DPC	Dobruska-Polom	12.05 330 eP	MLR	05 36 02.1 +1.1
MTUR	Matau	4.94 354/1P	Pn	05 34 23.9 +0.3	ALFC	Alfeka	7.43 132 P	Pn	05 34 56.7 -1.1	DPC	Dobruska-Polom	12.05 330 eP	AMS	05 36 02.1 +1.1
PVY	Plav	4.97 299/1Pn	Pn	05 34 24.2 +0.2	YAL	Yalta	7.44 53/1P	Pn	05 34 56.7 -1.1	ASF	Jabal al Asfar	12.07 129 Pn	Pn	05 35 59.0 -2.3
DJES	Djerdap	4.99 332 ePn	Pn	05 34 23.2 -1.0	PAPH	Paphos	7.49 134 P	Pn	05 34 53.4 -8.2	ASF	Jabal al Asfar	12.07 129 Pn	Pn	05 35 59.0 -2.3
DJES	Djerdap	4.99 332 ePn	Pn	05 34 23.2 -1.0	BMR	Baia Mare	7.55 348/1P	Pn	05 35 14.9 -0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
AKAS	AKAS	5.04 143 iP	Sg	05 35 48.0 -0.9	LTWH	Ltavretes, Hu	7.62 339 Sn	Sg	05 37 13.1 0.0	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
AKAS	AKAS	5.04 143 iP	Sg	05 35 48.0 -0.9	LEF	Lefka	7.63 131/1P	Pn	05 35 02.0 +1.6	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
DOGA	KONYA_Doganhis	5.04 114 iP	Sg	05 35 48.9 -1.6	MGRS	Mrkonjic Grad	7.66 305 ePn	Pn	05 35 05.1 +4.6	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
DOGA	DOGA	5.07 189 Pn	Sg	05 35 55.3 +4.7	SIM	Simferopol	7.67 50 eP	Pn	05 35 02.1 +1.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
IDI	Anoyia	5.07 189 Pn	Sg	05 34 24.7 -0.7	ALU	Alushtia	7.69 53 eP	Pn	05 34 59.5 -1.8	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
IDI	IDI	5.07 189 Pn	Sg	05 34 24.7 -0.7	ALU	Alushtia	7.69 53 eP	Pn	05 34 59.5 -1.8	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
KUBS	Kucevo	5.12 324 ePn	Pn	05 34 24.6 -1.5	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.5 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
KUBS	KUBS	5.12 324 ePn	Pn	05 34 24.6 -1.5	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.5 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
ARR	Arges	5.13 351 ePn	Sg	05 35 52.3 -0.8	BLV	Banja Luka	7.77 308/1P	Pn	05 35 03.0 +0.6	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
ARR	Arges	5.13 351 ePn	Sg	05 35 52.3 -0.8	BLV	Banja Luka	7.77 308/1P	Pn	05 35 03.0 +0.6	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
IVA	Berane	5.13 302/1Pn	Pn	05 34 26.8 +0.5	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
IVA	IVA	5.13 302/1Pn	Pn	05 34 26.8 +0.5	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
GRER	GRER	5.13 9/1P	Pn	05 35 25.9 0.0	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
CFR	Carcaliui	5.15 18/1P	Pn	05 34 24.8 -1.4	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
VOIR	VOIR	5.15 354/1P	Pn	05 34 26.0 -0.5	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
VOIR	Muntele Rosu	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7	BLV	Banja Luka	7.77 308 ePn	Pn	05 35 02.6 +0.2	ASF	Jabal al Asfar	12.07 129 P	Pn	05 35 59.0 -2.3
MLR	MLR	5.18 11 Pn	Pn	05 34 27.6 +0.7										

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LBTB Lobatse, SUR Sutherland, BOSHA Boshof, etc.

IDC 30 08:17:44.4+1.2, 2.93N, 90.12E, h0km, mb4.0/5, mb1 4.2/6, mb1mx3.7/40, mbtmp4.0/6, ML4.1.1, MS3.3/9, Mst 3.1/3, ms1mx3.1/40, Error ellipse: s-maj=41.6km s-min=26.1km az=36.0

ISCJB 30 08:17:47.7+1.1, 3.0N, 0.2-90.1E, 0.1, h33km, mb4.0/5, MS3.4/6, Error ellipse: s-maj=32.5km s-min=18.0km az=24.2

ISC 08:17:49.6+1.2, 3.0N, 0.2-90.1E, 0.2, h35km, n20, n0=6717, mb4.2/5, MS3.4/6, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PSI Prapat, PALK Pallekele, etc.

MEX 30 08:18:55.4+0.5, 17.12N, 101.26W, h11km, 7km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ZIIG Zihuatajejo, CAIG El Cayaco, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PLIG Platanillo, TLIG Tlapa.

BUI 30 08:20:57.7+0.0, 2.39N, 114.48E, h10km, ML3.7/1, Near coast of southeastern China

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GZH Guangzhou, MCO Taipa Grande.

IDC 30 08:37:05.7+0.6, 19.87N, 146.66E, h0km, mb4.1/16, mb1 4.3/20, mb1mx2.4/20, mbtmp4.2/20, ML4.3/3, MS3.4/5, Ms1 3.5/5, ms1mx2.9/46, Error ellipse: s-maj=21.8km s-min=13.1km az=87.0

BUI 30 08:37:07.7+0.0, 19.56N, 146.88E, h37km, mb4.7/18, mb4.8/12, MS3.9/3, Ms7 3.6/4

ISCJB 30 08:37:09.3+0.2, 19.96N, 0.03-146.64E, 0.06, h33km, mb4.4/60, MS3.5/8, Error ellipse: s-maj=7.6km s-min=4.6km az=0.6

NEIC 30 08:37:11.4+1.5, 19.93N, 146.57E, h35km, mb4.6/44, Error ellipse: s-maj=18.7km s-min=6.7km az=253.0

ISC 30 08:37:10.9+0.4, 19.99N, 0.05-146.75E, 0.09, h35km, n94, n1=13/86, mb4.5/60, MS3.4/8, Mariana Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SARN Sarigan, MAJO Matsuhiro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, etc.

IDC 30 09:07:08.6+1.6, 16.19S, 177.04E, h0km, mb3.7/5, mb1 4.0/5, mb1mx3.7/42, mbtmp3.7/5, MS3.3/10, Ms1 3.3/10, ms1mx3.1/24, Error ellipse: s-maj=119.3km s-min=25.2km az=147.0, Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, HNR Honiara, etc.

NIED 30 09:15:00.37, 40N, 141.90E, h38km, Mw3.9 Best double couple: M6.750000*10^14 NP1:341.000000, 82.000000, lambda-175.000000, NP2:246.000000, 890.000000, lambda-88.000000

JMA 30 09:15:28.0+0.2, 37.35N, 141.88E, h36km, 3km, M3.8 IDC 30 09:15:29.7+2.3, 37.23N, 141.93E, h41km, 22km, mb3.6/13, mb1 3.8/18, mb1mx3.7/42, mbtmp3.8/18, ML2.3/2, MS3.0/4, Ms1 3.1/4, ms1mx2.6/32, Error ellipse: s-maj=15.4km s-min=12.6km az=78.7

ISC 30 09:15:26.1+1.8, 37.33N, 0.04-141.91E, 0.05, h13km, 11km, n40, n0=95/48, mb3.9/13, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JFK Kawauchi, JMK Ichinoseki, etc.

30d 12h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kunming, Chiang Mai Arr, Chiang Mai Arr, etc.

2013 JUL

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Quesada, Oesada, Korea Arr, etc.

1602

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like USRK, Ussuriysk Ar., KSRS, Korea Arr, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SPBC San Pablo de B, ZARC Zaragoza, SMLC San Martin de, etc.

BEO 30 12:27:07.8, 0.3, 44.14N, 22.09E, h0km, ML1.5/9, 1C-1D, Mining explosion, Romania

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZAGS Zajecar, KUBS Kucevo, YKA Yellowknife Ar, etc.

ISK 30 12:34:55.5, 39.65N, 28.90E, h5km, ML2.2/15

ISC/JB 30 12:34:56.4, 0.4, 39.62N, 0.02, 28.90E, 0.03, h2km, 6km, Error ellipse: s-maj=4.4km, s-min=3.3km, az=12.5

DDA 30 12:34:56.0, 39.63N, 28.88E, h7km, 5km, ML2.9

ISC 30 12:34:56.0, 1.1, 39.64N, 0.02, 28.90E, 0.03, h7km, 10km, n24, c068/34, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DURS Dursunbey, TVSB Tavsanli, ULUD Uluoglu, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GDZ Gediz, MDNY Mudanya-Bursa, KCTX Karacabey (Bur), etc.

NIED 30 12:39:00.36, 30N, 140.10E, h50km, Mw3.6 Best double couple: M3.04000x1014 NP1.3s174.00000, 839.00000, 1.157.00000, NP2.283.00000, 876.00000, 1.54.00000, ISC/JB 30 12:39:37.6, 0.5, 36.19N, 0.03, 140.12E, 0.05, h68km, 5km, mb3.5/3, Error ellipse: s-maj=7.2km, s-min=5.3km, az=14.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JYT Yasato, JAG Ashikaga, JKT Katashina, etc.

H1N2 WAKE ISLAND HY 28.66 118 T

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N1 WAKE ISLAND HY 28.67 118 T, H1N3 WAKE ISLAND HY 28.68 118 T, etc.

ISC/JB 30 12:39:40.6, 2.6, 35.4S, 0.4, 104.3W, 0.4, h10km, mb3.6/7, MS4.1/5, Error ellipse: s-maj=73.7km, s-min=20.5km, az=36.4

ISC 30 12:39:40.7, 2.6, 35.41S, 104.28W, h0km, mb3.8/7, mb1.4/1.7, mb1mx3.9/2.1, mbmp3.8/7, MS4.1/6, MS1.4/1.6, ms1mx3.7/3.0, Error ellipse: s-maj=79.3km, s-min=23.8km, az=36.0

ISC 30 12:39:42.1, 2.9, 35.5S, 0.5, 104.3W, 0.4, h10km, n14, c0571/8, mb3.7/7, MS4.2/5, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, PLCA Paso Flores, CFA Coronel Fontan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RPN Rapa Nui, PLCA Paso Flores, G004 Tololo Observa, etc.

30d 12h

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like FCAR Ozark Folk Cen, U15A North Rim, HHAR Hobbs, etc.

2013 JUL

Main table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like C09A Chrisman Ranch, LONY Lake Ozonia, NEW Newport, etc.

1604

Table with columns: Station Name, Time, Res, ISC, and various codes. Includes stations like AMT comp=N,220um,0.4s, VLI Veli, GUR Goura, etc.

30d 12h

Table with columns for station code, name, frequency, and other parameters. Includes stations like DRGR, BLK, PLN, ZAVOJ, etc.

2013 JUL

Table with columns for station code, name, frequency, and other parameters. Includes stations like SMRF, TNS, ARR, KPRO, etc.

1606

Table with columns for station code, name, frequency, and other parameters. Includes stations like HYF, Humbligny, GOURA, etc.

R55A	Marlinton	25.18	25	P	P	13 35 12.8	-0.3
P51A	Williamsport	25.21	18	eP	P	13 35 11.8	-1.4
P51A	Williamsport	25.21	18	P	P	13 35 12.4	-0.9
S57A	Dark Hollow, R	25.23	27	P	P	13 35 12.9	-0.6
T59A	Double "B" Far	25.23	30	eP	P	13 35 12.7	-0.8
T59A	Double "B" Far	25.23	30	P	P	13 35 13.1	-0.3
113A	Mohawk Valley, U	25.25	316	eP	pP	13 35 39.4	+1.0
U61A	Possum Corner	25.29	33	P	P	13 35 13.7	-0.3
AOPR	Arecibo Observ	25.31	80	eP	P	13 35 12.4	-2.0
MVCO	Mesa Verde	25.35	330	eP	P	13 35 17.4	+2.5
MVCO	Mesa Verde	25.35	330	P	P	13 35 17.9	+3.0
O48A	Farnland	25.36	14	P	P	13 35 13.1	-1.6
Q24A	Divide	25.42	338	P	P	13 35 17.2	+1.7
Y14A	Wickenburg	25.48	319	eP	P	13 35 18.0	+2.1
O49A	Covina	25.50	16	P	P	13 35 14.8	-1.1
S58A	Poland Farm, P	25.51	29	P	P	13 35 15.7	-0.2
Q54A	Coxs Mills	25.51	23	eP	P	13 35 15.3	-0.8
Q54A	Coxs Mills	25.51	23	P	P	13 35 15.8	-0.2
WUAZ	Wupatki	25.57	324	eP	P	13 35 18.9	+2.0
WUAZ	Wupatki	25.57	324	P	P	13 35 19.5	+2.7
R56A	Bull Pasture M	25.58	26	P	P	13 35 17.0	+0.2
M14A	Milan	25.61	4	P	P	13 35 16.4	-0.5
P52A	Corning	25.64	20	P	P	13 35 16.2	-0.9
O50A	Gable	25.66	17	P	P	13 35 16.0	-1.3
P53A	Whipple	25.76	21	P	P	13 35 18.0	-0.3
T60A	Sunny	25.77	31	P	P	13 35 16.4	-1.9
Q55A	Buckhannon	25.81	24	P	P	13 35 18.0	-0.8
N47A	Urbana	25.84	13	P	P	13 35 16.8	-2.1
R57A	Stanardsville	25.86	27	P	P	13 35 18.7	-0.4
R58B	Mineral	25.87	28	eP	P	13 35 19.2	-0.1
R58B	Mineral	25.87	28	P	P	13 35 18.8	-0.5
SJG	San Juan	25.88	81	P	P	13 35 17.1	-2.4
SJG	San Juan	25.88	81	eP	P	13 38 46.3	+0.4
SJG	San Juan	25.88	81	eP	P	13 35 16.1	-3.5
M44A	Midewin	25.90	9	P	P	13 35 18.4	-1.2
ACSO	Alum Creek Sta	25.92	18	P	P	13 35 18.5	-1.2
ACSO	Alum Creek Sta	25.92	18	P	P	13 35 18.6	-1.1
BGNE	Belgrade	25.92	351	eP	P	13 35 20.1	+0.3
BGNE	Belgrade	25.92	351	P	P	13 35 20.2	+0.5
O51A	Patskaska	25.96	19	P	P	13 35 18.5	-1.6
N48A	Decatur	25.97	14	P	P	13 35 18.7	-1.4
S59A	Mechesville	25.98	30	P	P	13 35 20.3	+0.1
SCIA	State Center	26.05	360	eP	P	13 35 20.4	-0.4
SCIA	State Center	26.05	360	P	P	13 35 20.7	-0.1
R58A	Rapidan	26.09	28	P	P	13 35 20.8	-0.5
PV01	Paradox Valley	26.13	331	eP	P	13 35 24.6	+2.7
GLA	Glamis	26.13	315	eP	P	13 35 24.2	+2.5
GLA	Glamis	26.13	315	eP	P	13 35 24.3	+2.5
GLA	Glamis	26.13	315	P	P	13 35 24.9	+3.1
CBYP	Canovanas	26.16	81	eP	P	13 35 20.1	-2.0
HUMP	Col San Antoni	26.16	81	eP	P	13 35 20.0	-2.1
HUMP	Adamsville	26.17	20	eP	P	13 38 45.6	-1.0
O52A	Adamsville	26.17	20	P	P	13 35 21.1	-0.9
Q56A	Snyder Ridge	26.20	25	P	P	13 35 22.3	0.0
N49A	Columbus Grove	26.23	15	P	P	13 35 21.0	-1.5
S60A	Water View	26.25	31	P	P	13 35 22.5	-0.1
L40A	Anamosa	26.26	3	P	P	13 35 22.5	-0.2
OGNE	Ogallala	26.26	345	eP	P	13 35 23.8	+0.9
OGNE	Ogallala	26.26	345	P	P	13 35 24.2	+1.3
PV13	Radium Mtn., P	26.26	331	eP	P	13 35 25.8	+2.7
PV02	Paradox Valley	26.26	331	eP	P	13 35 26.0	+2.9
CBN	Corbin Frederi	26.30	29	P	P	13 35 23.0	-0.1
M47A	Cromwell	26.31	13	P	P	13 35 22.1	-1.1
L42A	Oliver, Polo	26.31	6	P	P	13 35 22.4	-0.8
Y12C	Blythe	26.35	317	P	P	13 35 26.5	+2.9
P55A	Reedsville	26.35	24	P	P	13 35 25.5	-1.1
PV03	Paradox Valley	26.35	331	eP	P	13 35 26.5	+2.6
N50A	Nevada	26.37	17	P	P	13 35 23.5	-0.3
PV18	Skein Mesa, Pa	26.37	331	eP	P	13 35 26.7	+2.6
PV12	Saucer Basin	26.38	331	eP	P	13 35 27.3	+3.2
PV11	David Mesa, Pa	26.40	331	eP	P	13 35 27.1	+2.8
PV07	Paradox Valley	26.41	332	eP	P	13 35 27.3	+3.0
R59A	King George, V	26.42	29	P	P	13 35 23.9	-0.3
PV17	East Wray Mesa	26.43	331	eP	P	13 35 27.2	+2.7
PV16	Nyswonger Mesa	26.43	331	eP	P	13 35 27.3	+2.7
PMDCI	Parker Dam, Lak	26.44	318	P	P	13 35 27.1	+2.6
MTP	Monte Irata	26.45	81	eP	P	13 35 23.0	-1.6
PV19	Morning Glory	26.46	331	eP	P	13 35 27.3	+2.5
MCWV	Mont Chateau	26.47	23	P	P	13 35 24.4	-0.3
PV20	West Nyswonger	26.48	331	eP	P	13 35 27.6	+2.7
PV04	Paradox Valley	26.49	331	eP	P	13 35 28.0	+2.9
O53A	New Philadelph	26.50	21	P	P	13 35 24.1	-0.8
Q57A	Strasburg	26.52	26	P	P	13 35 25.1	-0.1
PV14	Lion Creek, Pa	26.53	331	eP	P	13 35 27.9	+2.4
PV10	Paradox Valley	26.54	331	eP	P	13 35 27.5	+1.9
PV22	Blue Mesa, Pa	26.55	332	eP	P	13 35 28.2	+2.6
PV23	Carpenter Ridg	26.59	331	eP	P	13 35 28.9	+2.8
M48A	Edgerton	26.63	14	eP	P	13 35 23.5	-2.6
M48A	Edgerton	26.63	14	P	P	13 35 24.1	-2.0
PV21	Cone Mtn., Par	26.66	331	eP	P	13 35 29.5	+2.8
PV09	Paradox Valley	26.68	331	eP	P	13 35 29.5	+2.6
L44A	Lake County Fo	26.70	9	P	P	13 35 25.9	-0.7
CUPR	Culebra, Puert	26.71	81	eP	P	13 35 25.2	-1.8
N51A	Ashland	26.73	18	P	P	13 35 25.6	-1.5
O54A	Avella	26.73	22	P	P	13 35 26.1	-0.9
P56A	Dayton Farm, R	26.74	25	P	P	13 35 25.7	-1.4
SWSC	Sam W. Stewart	26.74	314	P	P	13 35 30.0	+2.9
U15A	North Rim	26.74	324	eP	P	13 35 29.1	+1.6
Q58A	Fox Den Farm,	26.76	27	P	P	13 35 26.9	-0.4
W13A	Hualapai Mount	26.79	320	eP	P	13 35 30.3	+2.5
W13A	In-Ko-Pah, Jac	26.79	313	eP	P	13 38 48.9	+0.7
L46A	Eue Claire	26.80	11	P	P	13 35 26.2	-1.4
M49A	Liberty Center	26.81	15	P	P	13 35 26.8	-0.9
N52A	McGinn's Farm,	26.85	19	P	P	13 35 27.4	-0.7
BC3	Big Chuckawall	26.91	316	P	P	13 35 31.9	+3.1
M50A	Fremont	26.99	17	P	P	13 35 27.9	-1.4
L47A	Sherood	26.99	13	P	P	13 35 27.8	-1.5
IRM	Iron Mountain	27.00	317	P	P	13 35 32.9	+3.4
ATAH	Atahualpa	27.02	146	P	P	13 35 31.8	+1.5
P57A	Homestead Farm	27.07	26	P	P	13 35 30.2	+0.2
N53A	Lisbon	27.13	21	eP	P	13 35 29.6	-0.9
N53A	Lisbon	27.13	21	P	P	13 35 29.6	-0.9
L48A	N Adams	27.14	14	P	P	13 35 29.0	-1.6
MONP2	Monument Peak	27.14	313	P	P	13 35 31.0	0.0
K43A	Burlington	27.16	8	eP	P	13 35 30.0	-0.8
K43A	Burlington	27.16	8	P	P	13 35 29.7	-1.0
O55A	Ligonier	27.16	24	P	P	13 35 29.9	-1.0
JFWS	Jewell Farm	27.17	5	eP	P	13 35 30.0	-0.9
JFWS	Jewell Farm	27.17	5	eP	P	13 35 30.0	-0.9
JFWS	Jewell Farm	27.17	5	P	P	13 35 30.1	-0.7
M51A	Elyria	27.17	18	P	P	13 35 29.7	-1.2
P58A	Park, Wackersv	27.38	27	P	P	13 35 32.6	-0.2
R61A	Willards	27.39	31	P	P	13 35 31.5	-1.4
N23A	Red Feather La	27.41	339	P	P	13 35 34.5	+1.2
L49A	Milan	27.45	15	P	P	13 35 32.5	-0.9
KNB	Kanab	27.46	324	eP	P	13 35 35.8	+2.0
KNB	Kanab	27.46	324	eP	P	13 35 35.8	+2.0
BELC	Belle Mtn. Jns	27.48	316	P	P	13 35 36.7	+2.8
PKCU	Pink Cliffs	27.48	325	eP	P	13 35 35.9	+1.8
O56A	Blue Knob Stat	27.50	25	eP	P	13 35 32.4	-1.5
O56A	Blue Knob Stat	27.50	25	P	P	13 35 32.6	-1.3
SDMD	Soldier's Deli	27.52	28	eP	P	13 35 33.0	-1.1
LDFC	Landis	27.55	318	eP	P	13 35 37.8	+3.3
N54A	Moraine State	27.56	22	eP	P	13 35 33.3	-1.2
N54A	Moraine State	27.56	22	P	P	13 35 34.0	-0.4
PFO	Pinyon Flats O	27.57	314	P	P	13 35 38.3	+3.6
PFO	Pinyon Flats O	27.57	314	P	P	13 35 36.9	+2.1
M52A	Chesterland	27.62	19	P	P	13 35 34.1	-0.8
O20A	White River Ci	27.64	334	eP	P	13 35 36.9	+1.6
O20A	White River C	27.64	334	P	P	13 35 37.4	+2.1
L50A	Kingsville	27.65	17	P	P	13 35 33.9	-1.2
AAM	Ann Arbor	27.66	15	P	P	13 35 33.7	-1.6
LCMT	Little Creek M	27.70	324	eP	P	13 35 38.1	+2.2
G47A	Vermontville	27.70	13	P	P	13 35 33.9	-1.7
KMRC	Granite Mounta	27.72	317	P	P	13 35 39.6	+3.6
M53A	W Miller and	27.75	20	P	P	13 35 35.6	-1.0
N55A	Marion Center	27.77	23	P	P	13 35 34.9	-1.4
Q61A	Milford	27.82	31	P	P	13 35 35.5	-1.1
SRU	San Rafael Swe	27.82	330	eP	P	13 35 38.8	+1.8
SRU	San Rafael Swe	27.82	330	eP	P	13 35 38.8	+1.8
O							

Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like Yellowknife Ar, Las Campanas, Craig, WRAK, etc.

Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like Reindeer, Susitna One, Clear Creek Bu, etc.

Table with columns for call sign, name, frequency, mode, and coordinates. Includes stations like ARCES, AREO, ECH, etc.

30d 14th

Table of astronomical observations for 30d 14th, listing objects like KURK, KURKB, SONA, SONM, KSR5, etc., with columns for name, magnitude, position, and other parameters.

2013 JUL

Main table of astronomical observations for July 2013, listing objects like JIRN, DMN, PKIN, PKI, etc., with columns for name, magnitude, position, and other parameters.

1612

Table of astronomical observations for 1612, listing objects like CTA, STKA, WRA, ASAR, etc., with columns for name, magnitude, position, and other parameters.

30d 17h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AVH, DALK, KRX, KOK, PET, etc.

MAN 30 16:49:09.3, 7.35N, 124.68E, h1km, mb4.5, ML3.3, MS3.2, 2C-1D, Mindanao

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

MAN 30 17:18:31.4, 7.25N, 123.61E, h32km, mb3.5, ML2.2, MS1.6, 1D, Mindanao

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

ISCJB 30 17:27:44.2, 0.3, 16.44N, 0.02-94.26W, 0.02, h101km, 2km, mb4.4/142, Error ellipse: s-maj=4.2km s-min=2.8km

IDC 30 17:27:44.0, 0.6, 16.38N, 94.27W, h88km, 4km, mb4.1/20, mb1.4/323, mb1mx4.2/35, mbmp4.5/23, MS3.4/5, Ms1.3/4.5, ms1mx3.1/22, Error ellipse: s-maj=15.3km s-min=7.3km az=44.0

NEIC 30 17:27:45.8, 0.0, 16.20N, 94.47W, h64km, mb4.4/180, MD4.9(MEX), After MEX.

NEIC Felt at Tuxtla Gutierrez, MEX 30 17:27:45.8, 0.7, 16.20N, 94.47W, h63km, 11km, MD4.9

ISC 30 17:27:43.7, 0.5, 16.30N, 0.03-94.39W, 0.03, h91km, 4km, mb4.7, 1956/504, mb4.4/142, 1C, Oaxaca

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG, PCIG, TGIG, etc.

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Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 058A, WHTX, 957A, etc.

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Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WMOK, WMOK, W39A, etc.

SIUC	2.1nm,0.6s	21.82	11	eP	P	17 32 27.2	-1.3
CCM	Cathedral Cave	21.85	7	eP	P	17 32 26.9	-1.9
CCM	Cathedral Cave	21.85	7	eP	P	17 32 27.1	-1.7
RREF	El Recreo	21.85	119	eP	P	17 32 31.8	+2.1
FVM	French Village	21.89	8	eP	P	17 32 30.3	+1.1
V53A	Saluda	21.89	26	eP	P	17 32 27.2	-2.1
V53A	Saluda	21.89	26	eS	S	17 36 26.4	+0.5
NORC	Norcasia	21.91	117	eP	P	17 32 30.9	+1.1
U51A	La Follette	22.03	23	P	P	17 32 28.8	-1.9
BBAC	Balboa, Cauca	22.05	128	eP	P	17 32 33.2	+1.8
OCAC	Ocana	22.08	109	eP	P	17 32 35.3	+3.7
KMSC	Kings Mountain	22.11	29	eP	P	17 32 32.2	+0.6
BIRD	Birdtown, Kers	22.14	32	eP	P	17 32 32.2	+0.3
POPC	Popayan, Colom	22.16	126	eP	P	17 32 34.0	+1.5
T49A	Edmonton	22.16	19	eP	P	17 32 29.6	-2.6
T49A	Edmonton	22.16	19	eS	S	17 36 31.0	+0.4
U52A	Thorn Hill	22.19	24	P	P	17 32 31.0	-2.6
T50A	Nancy	22.21	20	P	P	17 32 31.0	-2.8
TZTN	Tazewell	22.25	23	eP	P	17 32 32.5	-1.6
TZTN	Tazewell	22.25	23	P	P	17 32 32.8	-1.4
V54A	Nebo	22.25	27	P	P	17 32 32.0	-2.2
ORTC	Ortega, Tolima	22.48	121	eP	P	17 32 35.8	0.0
MARI	Paez Belalcaza	22.52	124	eP	P	17 32 40.1	+3.5
SPBC	San Pablo de B	22.55	116	eP	P	17 32 36.5	+0.1
CRUC	La Cruz	22.57	129	eP	P	17 32 32.9	+2.5
T51A	Gray	22.57	22	P	P	17 32 34.9	-1.6
T55A	Trinidad	22.58	39	P	P	17 32 36.8	0.0
V25A	Taylorville	22.75	29	P	P	17 32 37.8	-0.5
ROSC	El Rosal	22.75	118	P	P	17 32 39.5	+0.6
ROSC	El Rosal	22.75	118	eP	P	17 32 39.4	+0.4
W57A	Gilead	22.77	32	eP	P	17 32 41.5	+2.9
W57A	Gilead	22.77	32	P	P	17 32 37.2	-1.4
KSU1	Kansas State U	22.80	356	P	P	17 32 37.6	-1.2
S49A	Springfield	22.86	19	P	P	17 32 38.1	-1.4
PRAC	Prado	22.89	121	eP	P	17 32 39.5	-0.5
X18A	Snowflake	22.90	325	eP	P	17 32 42.2	+2.1
CBKS	Cedar Bluff	22.92	349	eP	P	17 32 40.0	0.0
CBKS	Cedar Bluff	22.92	349	P	P	17 32 40.3	+0.2
WCI	Wyandotte Cave	22.98	17	eP	P	17 32 37.8	-2.9
WCI	Wyandotte Cave	22.98	17	P	P	17 32 38.5	-2.1
OLIL	Olney	23.03	13	eP	P	17 32 38.1	-2.9
U54A	Nelsons Funny	23.03	27	eP	P	17 32 41.2	0.0
T52A	Hallie	23.06	24	eP	P	17 32 40.0	-1.4
S51A	Beattyville	23.30	22	eP	P	17 32 41.7	-2.0
S51A	Beattyville	23.30	22	P	P	17 32 42.1	-1.5
R49A	Shelbyville	23.37	19	P	P	17 32 41.9	-2.3
R49A	Shelbyville	23.37	19	P	P	17 32 42.2	-2.0
SDCO	Great Sand Dun	23.51	337	eP	P	17 32 47.7	+1.8
SDCO	Great Sand Dun	23.51	337	P	P	17 32 43.2	-2.7
FLOC	Florencia	23.55	126	eP	P	17 32 48.2	+2.1
R50A	Paris	23.62	20	eP	P	17 32 47.6	+1.1
P43A	Skaggs, Pawnee	23.64	9	P	P	17 32 45.2	-1.5
KSCO	Keye Shedlock	23.75	344	eP	P	17 32 48.9	+1.0
Q48A	North Vernon	23.79	17	P	P	17 32 46.4	-1.6
S22A	4UR Ranch, Cre	24.02	335	P	P	17 32 49.3	-1.1
A64A	Rosedale	24.07	14	P	P	17 32 49.5	-0.9
BLA	Blacksburg	24.23	28	eP	P	17 32 50.7	-1.4
Y14A	Wickenburg	24.27	320	eP	P	17 32 54.0	+1.5
MVCO	Mesa Verde	24.29	332	eP	P	17 32 53.6	+0.8
P48A	Milroy	24.37	17	P	P	17 32 52.0	-1.2
P48A	Milroy	24.37	17	P	P	17 32 52.2	-1.1
WUJAZ	Wupatki	24.42	325	eP	P	17 32 53.4	-0.5
N41A	Harden Midland	24.52	6	eP	P	17 32 54.1	-0.5
N41A	Harden Midland	24.52	6	P	P	17 32 53.8	-0.7
R53A	Hurricane	24.53	24	P	P	17 32 55.5	+0.8
HDIL	Hopedale	24.57	9	eP	P	17 32 53.6	-1.5
HDIL	Hopedale	24.57	9	P	P	17 32 54.1	-1.0
T57A	Hurt	24.60	30	eP	P	17 32 52.2	-3.1
N40A	Mertquake, Sal	24.62	5	P	P	17 32 55.1	-0.4
Q51A	Peebles	24.63	21	eP	P	17 32 54.0	-1.6
Q51A	Peebles	24.63	21	P	P	17 32 54.1	-1.6
MACC	Macarena, Meta	24.64	123	eP	P	17 32 57.4	+1.7
SFIN	Lafayette	24.82	13	eP	P	17 32 56.4	-0.9
SFIN	Lafayette	24.82	13	P	P	17 32 56.1	-1.2
Q52A	Bidwell	24.96	23	P	P	17 32 57.6	-1.0
PV01	Paradox Valley	25.08	333	eP	P	17 33 00.5	+0.4
P51A	Williamsport	25.13	21	eP	P	17 32 58.4	-1.8
Q48A	Farmland	25.19	17	P	P	17 32 59.3	-1.4
PV13	Radium Mtn., P	25.21	333	eP	P	17 33 01.9	+0.7
M41A	Milan	25.21	7	P	P	17 33 00.2	-0.6
PV02	Paradox Valley	25.21	333	eP	P	17 33 02.4	+1.1
BGNE	Belgrade	25.23	353	P	P	17 33 01.1	0.0
R55A	Marlinton	25.25	27	eP	P	17 33 01.3	0.0
R55A	Marlinton	25.25	27	P	P	17 32 59.9	-1.5
PV03	Paradox Valley	25.30	333	eP	P	17 33 02.6	+0.6
PV18	Skein Mesa, Pa	25.32	333	eP	P	17 33 03.6	+1.5
PV12	Saucer Basin,	25.33	333	eP	P	17 33 03.0	+0.7
PV11	David Mesa, Pa	25.35	333	eP	P	17 33 02.9	+0.5
S57A	Dark Hollow, R	25.35	30	eP	P	17 33 01.7	-0.5

S57A	Dark Hollow, R	25.35	30	P	P	17 33 01.6	-0.6
O49A	Covington	25.36	18	eP	P	17 33 00.2	-2.0
O49A	Covington	25.36	18	P	P	17 33 01.0	-1.3
PV07	Paradox Valley	25.37	333	eP	P	17 33 04.4	+1.8
PV17	East Wray Mesa	25.37	332	eP	P	17 33 04.9	+2.3
PV16	Nyswonger Mesa	25.38	333	eP	P	17 33 03.4	+0.7
PV19	Morning Glory	25.41	332	eP	P	17 33 05.0	+2.0
PV20	West Nyswonger	25.43	333	eP	P	17 33 04.7	+1.6
OGNE	Ogallah	25.44	346	eP	P	17 33 04.3	+1.2
PV04	Paradox Valley	25.44	333	eP	P	17 33 05.3	+2.1
PV14	Lion Creek, Pa	25.48	333	eP	P	17 33 04.3	+0.7
PV10	Paradox Valley	25.49	332	eP	P	17 33 04.4	+0.7
PV22	Blue Mesa, Par	25.51	333	eP	P	17 33 05.5	+1.6
PV23	Carpenter Ridg	25.54	333	eP	P	17 33 05.7	+1.5
SCIA	State Center	25.54	2	P	P	17 33 02.9	-1.0
SCIA	State Center	25.54	2	eP	P	17 33 03.0	-0.8
W13A	Hualapai Mount	25.59	321	eP	P	17 33 06.0	+1.4
U15A	North Rim	25.59	325	eP	P	17 33 06.9	+2.1
M44A	Midewin, Midew	25.60	11	eP	P	17 33 06.2	+1.8
PV09	Paradox Valley	25.63	333	eP	P	17 33 06.3	+1.3
BC3	Big Clackwall	25.66	316	P	P	17 33 05.2	0.0
P53A	Whipple	25.75	24	eP	P	17 33 04.4	-1.3
N48A	Decatur	25.79	16	P	P	17 33 04.3	-1.8
L40A	Anamosa	25.82	5	eP	P	17 33 05.1	-1.3
L40A	Anamosa	25.82	5	P	P	17 33 05.2	-1.3
ACSO	Alum Creek Sta	25.83	20	eP	P	17 33 05.4	-1.1
ACSO	Alum Creek Sta	25.83	20	P	P	17 33 05.2	-1.3
L42A	Oliver, Polo	25.94	8	eP	P	17 33 05.9	-1.6
L42A	Oliver, Polo	25.94	8	P	P	17 33 05.7	-1.8
N49A	Columbus Grove	26.08	18	eP	P	17 33 10.2	+1.5
O52A	Adamsville	26.13	22	P	P	17 33 07.7	-1.5
KNB	Kanab	26.31	325	eP	P	17 33 11.8	+0.7
O53A	New Philadelph	26.38	23	P	P	17 33 11.4	-0.9
JFWS	Jewell Farm	26.77	7	eP	P	17 33 13.8	-1.1
JFWS	Jewell Farm	26.77	7	P	P	17 33 12.9	-2.0
ECSD	EROS Data Cent	27.41	357	eP	P	17 33 19.1	-1.6
ECSD	EROS Data Cent	27.41	357	P	P	17 33 19.9	-0.8
I42A	Draeger Farm,	27.90	8	P	P	17 33 23.6	-1.4
SUSD	Miller	28.32	353	P	P	17 33 28.5	-0.3
SPMN	Marine on St.	28.87	2	eP	P	17 33 32.7	-1.0
SPMN	Marine on St.	28.87	2	P	P	17 33 32.5	-1.1
G39A	Holcombe	29.03	5	P	P	17 33 33.9	-1.1
PD31	Pinedale Array	29.40	337	eP	pP	17 33 59.3	-0.2
PDAR	Pinedale Array	29.40	337	P	P	17 33 59.4	+0.8
PDAR	Pinedale Array	0.3nm,0.4s,baz=138,slow=7.0,SNR=4.7			pP	17 33 59.3	-0.2
TYNO	0.4nm,0.6s,baz=130,slow=12.2,SNR=2.1	29.45	22	P	P	17 33 36.6	-2.2
E38A	The Farm, Brul	30.31	4	eP	P	17 33 45.3	-1.1
E38A	The Farm, Brul	30.31	4	P	P	17 33 45.0	-1.4
NV01	Mina Array Sit	30.44	321	eP	pP	17 34 11.1	+2.3
NVAR	Mina Array Bea	30.44	321	P	P	17 33 51.0	+3.1
NVAR	Mina Array Bea	2.6nm,1.0s,baz=133,slow=8.7,SNR=12			pP	17 34 11.1	+2.3
NVAR	Mina Array Bea	2.9nm,0.8s,baz=136,slow=9.4,SNR=8.0			LR	17 48 10.7	
E43A	Lone Tree Farm	30.62	10	P	P	17 33 47.2	-1.9
WLVO	Wesleyville	30.70	23	P	P	17 33 48.0	-1.8
D41A	Chassel	31.05	8	P	P	17 33 51.0	-1.9
E46A	Sault Ste Mari	31.14	14	P	P	17 33 52.0	-1.6
YPP	Pitchstone Pla	31.15	337	eP	P	17 33 51.9	-2.3
H53A	Bolcaegon	31.19	22	P	P	17 33 52.2	-1.9
E47A	Iron Bridge	31.46	15	P	P	17 33 55.0	-1.5
DELO	Deloro Mine	31.50	23	P	P	17 33 55.0	-1.9
YHH	Holmes Hill	31.61	337	eP	P	17 33 59.7	+1.5
EYMN	Ely	31.65	4	eP	P	17 33 56.7	-1.5
EYMN	Ely	31.65	4	P	P	17 33 56.8	-1.4
G53A	Halibuton	31.65	22	P	P	17 33 55.8	-2.4
BUKO	Buck Lake	31.67	20	P	P	17 33 55.9	-2.4
D46A	Sault St. Mari	31.70	14	P	P	17 33 57.2	-1.4
C40A	Isle Royale Na	31.83	7	eP	P	17 33 58.1	-1.6
C40A	Isle Royale Na	31.83	7	P	P	17 33 57.8	-1.8
AGMN	Agassiz Nation	31.94	358	eP	P	17 33 59.5	-1.1
AGMN	Agassiz Nation	31.94	358	P	P	17 33 59.7	-0.9
HLID	Hailey	32.07	332	eP	P	17 34 03.5	+1.5
HLID	Hailey	32.07	332	P	P	17 34 01.0	-1.1
PV04	Chapleau	32.07	15	P	P	17 34 00.7	-1.8
D47A	Pleasant	32.15	23	P	P	17 34 07.7	+2.5
MCMT	McKenzie Canyo	32.42	335	eP	P	17 34 08.3	+1.8
BOZ	Bozeman (W)	32.59	337	eP	P	17 34 04.2	-2.3
E51A	G1948 Merrick	32.60	19	P	P	17 34 03.6	-3.1
HRV	Adam Dzewonsk	32.62	32	P	P	17 34 04.2	-2.3
DLMT	Dillon	32.76	336	eP	P	17 34 09.7	+1.7
DGMT	Dagmar	33.08	348	eP	P	17 34 12.5	+1.8
E54A	Lac Daplat, Po	33.29	22	P	P	17 34	

30d 19h

Table with 4 columns: ID, Name, Azimuth, and other parameters. Includes entries like BR101 Keskin Array S, BRTR Keskin Array B, and TXAR Lajitas Array.

ISCJB 30 18:40:47.4d.0.5, 18.9S:0.174:0W:0.1, h10km, mb4.2/17, Error ellipse: s-maj=20.2km s-min=10.8km az=139.0

IDC 30 18:40:47.5d.0.9, 18.83S:173.97W, h0km, mb3.9/9, m1 4.2/9, m1mx4.0/23, mbtmp3.9/9, Error ellipse: s-maj=42.6km s-min=18.4km az=136.0

NEIC 30 18:40:48.6d.1.2, 18.91S:173.89W, h10km, mb4.4/12, Error ellipse: s-maj=44.1km s-min=22.4km az=148.0

ISC 30 18:40:49.0d.0.6, 18.9S:0.2:174.0W:0.2, h10km, n26, n98/25, mb4.1/17, Tonga Islands

Table with 4 columns: Code, Station Name, Azimuth, and other parameters. Lists various stations like NIUE Niue, URZ Urewera, and many others.

MAN 30 18:52:16.8, 7.28N:124.68E, h29km, mb4.2, ML3.0, MS2.7, IC-2D, Mindanao

Table with 4 columns: Code, Station Name, Azimuth, and other parameters. Lists stations like CTBH Cotabato-PC H, KCP Kidapawan, and others.

WEL 30 19:01:48.1, 42'S:117.4E, h15km, 3km, M3.3/25, ML3.5/19, MLV3.3/25, Error ellipse: s-maj=0.0km s-min=0.0km az=125.4, Cook Strait

Large table with 4 columns: Code, Station Name, Azimuth, and other parameters. Lists numerous stations including Cape Campbell, Tuamarina, Baring Head, and many others.

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Table with 4 columns: WATZ, Wairara, 2.99 21 P Pb, 19 02 43.0 +2.0, etc.

SJA 30 19:06:54.8d.0.8, 24.19S:67.00W, h196km, 7km, ML2.2, MW3.1

ISCJB 30 19:06:56.2d.1.0, 24.19S:0.07:67.72W:0.05, h176km, 12km, Error ellipse: s-maj=12.1km s-min=5.0km az=27.3

GUC 30 19:06:57.0d.7.5, 23.97S:67.50W, h230km, 8km, ML3.7

ISC 30 19:06:54.9d.2.4, 24.20S:0.07:67.08W:0.05, h194km, 22km, n19, n130/30, Chile-Argentina border

Table with 4 columns: Code, Station Name, Azimuth, and other parameters. Lists stations like SLA San Lorenzo, SLA comp=Z, 18nm, 0.5s, and many others.

IDC 30 19:31:04.5d.1.2, 18.04N:104.49W, h0km, mb3.9/8, m1 4.2/13, m1mx4.0/38, mbtmp4.0/13, ML3.8/5, MS3.9/20, Ms1 3.9/20, ms1mx3.7/43, Error ellipse: s-maj=30.9km s-min=20.4km az=34.0

ISCJB 30 19:31:04.0d.0.4, 18.47N:104.11W:0.03, h14km, n154/20, MS4.0/17, Error ellipse: s-maj=7.2km s-min=2.7km az=28.5

MEX 30 19:31:10.4d.0.5, 18.41N:104.20W, h13km, 5km, MD4.6

NEIC 30 19:31:10.4d.0.0, 18.41N:104.20W, h13km, mb4.1/109, MD4.6(MEX), After MEX.

NEIC Felt at Union de Tula. ISC 30 19:31:08.3d.0.8, 18.36N:0.07:104.23W:0.06, h14km, n167, s1562/164, mb4.3/60, MS4.0/17, Near coast of Jalisco

Table with 4 columns: Code, Station Name, Azimuth, and other parameters. Lists stations like MMIG Aquila, MMIG Chamela, and many others.

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Large table with 4 columns: BNM Barren Site, LENM Lemitar, AMTX Amarillo, and many others. Lists numerous stations and their parameters.

Table with 4 columns: Code, Station Name, Azimuth, and other parameters. Includes entries like BVAR Borovoye Array, ZALV Zalesovo Beam, FINES FINES Array, NB2 NORSTAR Subarra, NOA NORSTAR Array, SONMI Songino Array, TORD Torodi Ar. Bea.

ISC/JB 30 22:46:28.3-1.1, 38:89S:0:02:175:89E:0:03, h114km, 2km, mb4.2/7, Error ellipse: s-maj=4.1km s-min=3.0km az=21.4, IDC 30 22:46:28.3-1.1, 38:89S:176:13E, h107km, 12km, mb4.1/3, mb1.4/2.4, mb1mx3.8/2.1, mbmtpl4.4/4, Error ellipse: s-maj=29.1, 1km s-min=17.7km az=154.0, NEIC 30 22:46:29.1-0.0, 38:83S:175:94E, h108km, mb4.0/5, ML4.1(WEL) After WEL, WEL 30 22:46:30.5, 39 S:2:17.7E:1.9, h94km, 4km, M3.8/59, MLV3.8/59, Error ellipse: s-maj=0.0km s-min=0.0km az=77.6, ISC 30 22:46:29.2-0.7, 38:89S:0:04:175:90E:0:03, h112km, 5km, n179, s191/190, mb4.2/7, North Island

Main table listing station codes (RITZ, RATZ, HATZ, etc.), station names (Rihia Road, Rangitukia, Hinemaiaia, etc.), azimuths, and other parameters. Includes a large section for the North Island stations.

Table listing station codes (PAWZ, MSWZ, SNZO, etc.), station names (Paruwhi Farm, Moikau Station, South Korori, etc.), azimuths, and other parameters.

Table listing station codes (ASAR, FORT, WB2, etc.), station names (Alice Springs, Forrest, Warramunga Arr, etc.), azimuths, and other parameters.

ISC 30 22:49:27.3-1.2, 45:05N:0:03:15:10E:0:05, h1km, 15km, n10, c0f76/17, Northwestern Balkan Peninsula

Table listing station codes (BOJS, BOUS, RIY, etc.), station names (Bojanci, Rijeka, Novaja, etc.), azimuths, and other parameters.

WEL 30 23:11:51.2, 42 S:2:17.4E:1.9, h8km, 2km, M3.2/21, ML3.5/13, MLV3.2/21, Error ellipse: s-maj=0.0km s-min=0.0km az=136.3, Cook Strait

Main table listing station codes (CMWZ, BSWZ, TUWZ, etc.), station names (Cape Campbell, Blackbirch Sta, Tuamarina, etc.), azimuths, and other parameters.

Table listing station codes (KATZ, RPZ, HIZ, etc.), station names (Kakaramea, Rata Peaks, Hauri, etc.), azimuths, and other parameters.

NIED 31 00:14:00.38:10N:142:10E, h5km, Mw4.7 Best double couple: M1.330000+118. NP1:308.00000; 840.00000, lambda-90.00000. NP2:39.139.00000; 850.00000, lambda-90.00000.

Bull 31 00:14:09.0:0.0, 38:02N:142:41E, h10km, mb4.8/6.6, mb4.9/4.7, Ms4.6/7.3, Ms7.4/3.62, ISC/JB 31 00:14:12.1-0.7, 38:08N:0:02:142:08E:0:02, h8km, 4km, mb5.0/149, MS4.2/52, Error ellipse: s-maj=3.0km s-min=2.2km az=159.8

MOS 31 00:14:13.3:1.0, 38:18N:142:01E, h16km, mb5.3/75, Error ellipse: s-maj=6.3km s-min=3.6km az=108.0, JMA 31 00:14:13.0:1.1, 38:09N:142:09E, h18km, 1km, Ms5.0 Broadband fault plane solution: P waves. NP1: 30.01.00000; 858.00000; lambda-95.00000. NP2: 30.140.00000; 832.00000; lambda-82.00000. Principal axes: 30.143.00000; Azm44.00000; N Plg4.00000. Azm313.00000; P Plg76.00000; Azm205.00000.

JMA Felt III J, GCMT 31 00:14:15.0:0.3, 38:17N:0:03:142:00E:0:04, h12km, 1km, Mw4.8/7.3, Moment Tensor Solution. s14, c15; s73, c91; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=1.64e-15; Mw=0.76; 09; Mw=0.87; 09; Mw=0.47; 25; Mw=0.75; 05; Mw=0.18; 27. Best double couple: M1.677000+1015.07, NP1:303.00000; 850.00000; lambda-109.00000. NP2: 30.151.00000; 843.00000; lambda-69.00000. Principal axes: T 1.5820, Plg4.00000; Azm46.00000; N 0.1890, Plg14.00000; Azm315.00000; P -1.7710, Plg75.00000, Azm150.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 31 00:14:17.0:1.0, 38:12N:142:00E, h30km, 3km, mb4.9/253, Error ellipse: s-maj=9.9km s-min=7.1km az=120.0, NEIC Recalled (3 JMA) in Iwate and Miyagi.

IDC 31 00:14:16.5:6.3, 38:08N:141:98E, h26km, 23km, mb4.7/30, JYS, Ms1.4/8.35, mb1mx3.8/4.6, Error ellipse: s-maj=12.8km s-min=10.8km az=128.0

ISC 31 00:14:17.0:0.3, 38:10N:0:03:142:12E:0:03, h19km, 1km, h7C:PP-P, n830, c1946/885, mb5.0/163, MS4.3/53, 619-77, Near east coast of eastern Honshu.

Main table listing station codes (JIKH, JIO, JKM, etc.), station names (Ishinomakikobu, Ouri, Kesennumototy, etc.), azimuths, and other parameters.

Main table listing station codes (BOJS, BOUS, RIY, etc.), station names (Bojanci, Rijeka, Novaja, etc.), azimuths, and other parameters.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Yuzh-Sakhalins, Vladivostok, and Beijing.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like BJJ, BJT, MA2, and Beijing.

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

Table with columns: Name, Time, Date, Status, etc. Includes entries like COLA College, POKR Poker Plat Res, KKN Kakani, etc.

Table with columns: Name, Time, Date, Status, etc. Includes entries like D03D Eldon, B05A Bryant, MOS Moscow, etc.

Table with columns: Name, Time, Date, Status, etc. Includes entries like SOC Sochi, BCA Borcka, ASUD Ashush, Dub, etc.

J48A	Bridge Port	88.91	32	P	P	00 27 09.3 +1.4
K47A	Vermontville	88.91	33	P	P	00 27 08.4 +0.6
TUL1	Leonard	88.94	43	P	P	00 27 08.8 +0.7
TXAR	Lajitas Array	89.03	53	P	P	00 27 10.0 +1.2
TXAR	comp=Z,4.4nm,0.6s,baz=295,slow=3.1,SNR=48			LR	LR	01 01 52.7
J49A	Marlette	89.12	31	P	P	00 27 09.7 +0.9
ABTX	Ablene, Hawle	89.16	46	P	P	00 27 09.7 +0.5
BASO	Ashfield	89.17	30	P	P	00 27 10.4 +1.3
K48A	Perry	89.17	32	P	P	00 27 10.0 +0.9
P43A	Skaggs, Pawnee	89.29	37	P	P	00 27 10.2 +0.5
CLWO	Collingwood	89.33	29	P	P	00 27 09.8 0.0
G54A	Lake Saint Pet	89.34	27	P	P	00 27 10.2 +0.3
G53A	Haliburton	89.38	28	P	P	00 27 10.3 +0.3
O44A	Mansfield	89.38	36	P	P	00 27 10.6 +0.5
L47A	Sherwood	89.39	33	P	P	00 27 10.2 +0.1
PEMO	Pembroke	89.40	26	P	P	00 27 10.1 0.0
I51A	Listowel	89.40	30	P	P	00 27 12.4 +1.3
CCM	Cathedral Cave	89.68	39	eP	P	00 27 12.3 +0.7
CCM	Cathedral Cave	89.68	39	eP	P	00 27 12.3 +0.7
CCM	comp=Z,12nm,0.9s			pmax	pmax	
CCM	Cathedral Cave	89.68	39	P	P	00 27 12.2 +0.7
M47A	Cromwell	89.71	34	P	P	00 27 11.9 +0.3
BANO	Bancroft	89.72	27	P	P	00 27 12.1 +0.5
L48A	N Adams	89.75	33	P	P	00 27 12.7 +0.9
AAM	Ann Arbor	89.78	32	P	P	00 27 12.8 +0.9
K50A	Casco	89.82	31	P	P	00 27 13.0 +0.9
SFIN	Lafayette	89.84	35	P	P	00 27 12.7 +0.5
CAF	Calviac	89.84	333	eP	P	00 27 12.7 +0.5
CAF	comp=Z,8.0nm,1.0s			pmax	pmax	
H53A	Bobcaygeon	89.87	28	P	P	00 27 12.8 +0.5
L49A	Milan	89.89	32	P	P	00 27 13.3 +0.9
G55A	Calabogie	89.95	26	P	P	00 27 13.0 +0.4
PLVO	Plevna	90.01	27	P	P	00 27 13.2 +0.2
N47A	Urbana	90.06	34	P	P	00 27 13.8 +0.6
I53A	Kortright Cn E	90.13	29	P	P	00 27 14.0 +0.5
ACTO	Action	90.13	29	P	P	00 27 13.9 +0.4
U40A	Yellville	90.16	41	P	P	00 27 14.3 +0.4
ORIO	Orleans, Innes	90.19	25	P	P	00 27 14.3 +0.5
PKRO	Pickering	90.21	28	P	P	00 27 14.4 +0.5
M59E	Mache Island	90.21	264	P	P	00 27 12.9 -1.5
DELO	Deloro Mine	90.27	27	P	P	00 27 14.6 +0.5
J51A	Paris	90.28	30	P	P	00 27 14.9 +0.6
K52A	Iona Station	90.31	31	P	P	00 27 15.0 +0.6
M49A	Liberty Center	90.33	33	P	P	00 27 15.0 +0.5
L50A	Kingsville	90.35	32	P	P	00 27 15.6 +1.0
N48A	Decatur	90.38	34	P	P	00 27 15.4 +0.7
H55A	Tweed	90.39	27	P	P	00 27 15.8 +0.3
P46A	Rosedale	90.40	36	P	P	00 27 15.8 +0.9
DRCO	St. Marys Ceme	90.42	28	P	P	00 27 14.5 -0.4
WLVO	Wesleyville	90.49	28	P	P	00 27 15.5 +0.3
I55A	Frankford	90.50	27	P	P	00 27 15.3 0.0
W39A	Magazine	90.55	43	P	P	00 27 16.2 +0.6
K52A	Tiltsburg	90.58	30	P	P	00 27 16.6 +1.0
JCT	Junction City	90.60	50	eP	P	00 27 16.7 +0.7
JCT	Junction City	90.60	50	eP	P	00 27 16.7 +0.7
JCT	comp=Z,7.0nm,0.6s			pmax	pmax	
JCT	Junction City	90.60	50	P	P	00 27 16.8 +0.7
TYNO	Tyneside	90.64	29	P	P	00 27 15.9 -0.1
PLIO	Pelefe Island,	90.67	32	P	P	00 27 16.7 +0.7
G57A	Newington	90.67	25	P	P	00 27 16.5 +0.5
H56A	Eglin	90.69	26	P	P	00 27 16.4 +0.4
N49A	Columbus Grove	90.69	33	P	P	00 27 17.0 +0.8
M50A	Fremont	90.78	32	P	P	00 27 16.0 -0.6
O48A	Farmland	90.81	34	P	P	00 27 17.3 +0.5
WHXT	Lake Whitney,	90.89	47	P	P	00 27 17.5 +0.2
G58A	Ormsdown	90.95	25	P	P	00 27 17.5 +0.2
S44A	Carbondale	90.95	38	P	P	00 27 18.4 +1.0
J54A	Appleton	90.96	28	P	P	00 27 18.0 +0.6
PECO	Prince Edward	91.00	27	P	P	00 27 17.9 +0.4
MEDO	Medina	91.12	28	P	P	00 27 18.8 +0.6
MIAR	Mound Ida	91.16	43	P	P	00 27 19.5 +1.0
M51A	Elyria	91.20	32	P	P	00 27 19.4 +0.9
O49A	Covington	91.23	34	P	P	00 27 19.1 +0.4
LONY	Lake Ozonia	91.24	25	P	P	00 27 18.9 +0.2
N50A	Nevada	91.26	33	P	P	00 27 19.5 +0.6
WHAR	Woolly Hollow	91.27	42	eP	P	00 27 19.7 +0.7
P48A	Milroy	91.34	35	P	P	00 27 19.8 +0.5
M52A	Chesterland	91.36	31	P	P	00 27 19.8 +0.5
W41B	Gary Mavity, V	91.38	42	P	P	00 27 19.8 +0.3
ERPA	Erie	91.43	30	P	P	00 27 20.2 +0.6
L53A	Girard	91.46	30	P	P	00 27 19.4 -0.3
N51A	Ashland	91.46	32	P	P	00 27 20.4 +0.6
K54A	Basiliko Farm,	91.51	29	P	P	00 27 20.6 +0.6
O50A	Cable	91.57	33	P	P	00 27 20.8 +0.5
L54A	Sinclairville	91.59	29	P	P	00 27 20.6 +0.2
P49A	Miami Univ. Ec	91.59	34	P	P	00 27 20.7 +0.3

X40A	Basin Creek Fa	91.60	43	P	P	00 27 20.9 +0.3
Q48A	North Vernon	91.63	35	P	P	00 27 21.1 +0.6
K55A	Perry	91.64	28	P	P	00 27 20.9 +0.3
M53A	WI Miller and	91.73	31	P	P	00 27 21.6 +0.6
ACSO	Alum Creek Sta	91.78	33	P	P	00 27 21.7 +0.4
WCI	Wyandotte Cave	91.93	36	P	P	00 27 22.9 +0.9
P50A	Jamstown	91.94	34	P	P	00 27 22.9 +0.9
Q49A	Aurora	91.94	35	P	P	00 27 21.6 -0.5
L55A	Hinsdale	91.97	29	P	P	00 27 22.1 -0.1
O51A	Pataksala	92.01	33	P	P	00 27 22.4 0.0
N53A	Lisbon	92.19	31	P	P	00 27 23.5 +0.4
PKME	Peaks-Kenny Pk	92.32	22	P	P	00 27 24.0 +0.4
O52A	Adamsville	92.36	32	P	P	00 27 24.7 +0.7
P51A	Williamsport	92.36	33	P	P	00 27 24.4 +0.4
N54A	Moraine State	92.41	31	P	P	00 27 25.0 +0.8
LBNH	Lisbon	92.44	24	P	P	00 27 25.1 +0.8
M55A	Ridgway	92.46	29	P	P	00 27 25.5 +1.1
O53A	New Philadelph	92.51	32	P	P	00 27 24.8 +0.1
T47A	Sharon Grove	92.55	37	P	P	00 27 24.8 -0.1
X43A	Marvell	92.60	41	P	P	00 27 24.4 -0.7
O51A	Peebles	92.62	34	P	P	00 27 25.4 +0.3
M56A	Emporium	92.67	29	P	P	00 27 25.9 +0.5
S49A	Springfield	92.76	36	P	P	00 27 26.8 +1.0
R50A	Paris	92.79	35	P	P	00 27 26.3 +0.3
BINY	Binanton	92.87	27	P	P	00 27 26.9 +0.6
WWT	Waverly	92.88	38	P	P	00 27 27.0 +0.6
O54A	Awella	92.91	31	P	P	00 27 27.1 +0.6
N55A	Marion Center	92.96	30	P	P	00 27 27.0 +0.3
L58A	Harry Jones Me	93.05	27	P	P	00 27 27.4 +0.3
P53A	Whipple	93.07	32	P	P	00 27 27.9 +0.6
R51A	Hillsboro	93.11	34	P	P	00 27 28.0 +0.5
N56A	West Decatur	93.11	29	P	P	00 27 28.2 +0.7
T49A	Edmonton	93.20	36	P	P	00 27 27.9 +0.1
S50A	Richmond	93.25	35	P	P	00 27 28.5 +0.4
O55A	Ligonier	93.32	31	P	P	00 27 29.5 +1.1
OXF	Oxford	93.37	40	P	P	00 27 29.4 +0.7
M58A	Price's Panora	93.42	28	P	P	00 27 29.3 +0.5
S53A	Standing Stone	93.51	29	P	P	00 27 30.3 +1.0
SSPA	Leroy	93.54	33	P	P	00 27 30.5 +1.0
U49A	Red Boiling Sp	93.56	37	P	P	00 27 30.4 +0.9
O56A	Blue Knob Stat	93.56	30	P	P	00 27 30.4 +0.8
T50A	Nancy	93.59	36	P	P	00 27 30.3 +0.6
M59A	Waymart	93.64	27	P	P	00 27 30.6 +0.7
V48A	Smith Brothers	93.68	38	P	P	00 27 30.9 +0.8
P55A	Reservoir	93.70	31	P	P	00 27 30.8 +0.6
Q54A	Coxs Mills	93.73	32	P	P	00 27 31.1 +0.8
Q55A	Buckhannon	94.03	32	P	P	00 27 32.8 +1.1
N59A	State Game Lan	94.07	28	P	P	00 27 32.3 +0.5
V49A	McMinnville	94.11	37	P	P	00 27 32.6 +0.5
P56A	Dayton Farm, R	94.11	31	P	P	00 27 32.6 +0.5
T52A	Hallie	94.36	35	P	P	00 27 32.8 -0.5
Q56A	Snyder Ridge,	94.36	31	P	P	00 27 33.7 +0.5
W49A	Belvidere	94.45	38	P	P	00 27 34.1 +0.4
U51A	La Follette	94.49	36	P	P	00 27 34.0 +0.1
V50A	Pikeville	94.56	37	P	P	00 27 34.9 +0.7
TZTN	Tazewell	94.57	35	P	P	00 27 34.8 +0.6
R55A	Marlinton	94.62	32	eP	P	00 27 35.4 +0.9
R55A	Marlinton	94.62	32	P	P	00 27 35.3 +0.8
O57A	Strasburg	94.68	31	P	P	00 27 33.5 -1.2
O60A	Telford	94.73	28	P	P	00 27 34.0 -0.8
P58A	Par Wackersv	94.73	30	P	P	00 27 35.0 +0.2
U52A	Thorn Hill	94.78	35	P	P	00 27 36.0 +0.8
V51A	Louon	94.81	36	P	P	00 27 35.2 -0.1
R56A	Bull Pasture M	94.81	32	P	P	00 27 35.7 +0.3
T54A	Tazewell	95.02	34	P	P	00 27 36.9 +0.6
Q58A	Fox Den Farm,	95.05	30	P	P	00 27 36.5 +0.2
V52A	Sevierville	95.13	36	P	P	00 27 37.1 +0.3
W51A	Cleveland	95.14	37	P	P	00 27 37.0 +0.1
U53A	Fall Branch	95.16	35	P	P	00 27 37.1 +0.2
TKL	Tuckaleechee C	95.19	36	P	P	00 27 37.5 +0.4
R57A	Stanardsville	95.27	31	P	P	00 27 37.2 -0.2
X50B	Fort Payne	95.28	38	P	P	00 27 37.9 +0.3
T55A	Pulaski	95.32	33	P	P	00 27 38.3 +0.6
Y49A	Blount Mountai	95.39	39	P	P	00 27 38.4 +0.4
BLA	Blacksburg	95.40	33	P	P	00 27 38.4 +0.4
W53A	Cullowhee	95.88	36	P	P	00 27 40.7 +0.3
X52A	Dahleoga	96.00	37	P	P	00 27 41.5 +0.6
Y51A	Rockmart	96.02	38	P	P	00 27 41.6 +0.7
S58A	Fort Farm, P	96.05	31	P	P	00 27 41.5 +0.6
T57A	Hurt	96.07	32	P	P	00 27 41.9 +0.8
Z50A	Ashland	96.12	39	P	P	00 27 41.9 +0.6
X53A	Estantolee	96.36	36	P	P	00 27 43.2 +0.8
U57A	Blanch	96.52	33	P	P	00 27 43.2 +0.2
ESDC	Seneca Array	96.58	334	P	P	00 27 43.3 -0.1

ESDC	comp=Z,8.5nm,20.4s,baz=295,slow=39			LR	LR	01 16 33.2
X54A	Belton	96.76	36	P	P	00 27 44.7 +0.5
U58A	Oxford	96.88	32	P	P	00 27 45.2 +0.5
Y54A	Tignall	97.18	36	P	Pdf	00 27 47.0 +0.8
Y55A	Saluda	97.50	36	P	Pdf	00 27 48.3 +0.7
W58A	Raeford	97.76	33	P	P	00 27 49.1 +0.3
155A	Kite	98.31	37	P	P	00 27 51.3 0.0
254A	Abbeville	98.47	38	P	P	00 27 50.9 -1.1
Z59A	Georgetown, SC	99.25	34	P	Pdf	00 27 55.0 -0.4
TOA1	Torodi Arr. Sit	116.97	316	ePKPdf	PKPdf	00 32 57.9 -0.9
TORD	Torodi Arr. Bea	116.97	316	PKP	PKP	00 32 57.9 -0.9
TORD	comp=Z,0.7nm,0.7s,baz=21,slow=1.7,SNR=9.9			PP	PP	00 34 04.3 -2.8
DBIC	Dimboko	125.89	3			

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Table with columns: Station, Name, Time, Frequency, Mode, Power, and other parameters. Includes stations like SS LB Suanglung, PMG Port Moresby, PSAO Pilibara Seismi, etc.

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Table with columns: Station, Name, Time, Frequency, Mode, Power, and other parameters. Includes stations like DL2, BJI Beijing, ARMA Armidale, etc.

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Table with columns: Station, Name, Time, Frequency, Mode, Power, and other parameters. Includes stations like MKAR, KSH Kashi, MAZ Makanchi, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, h, m, s, SC. Includes stations like MMB Musomiste, AKS Akhisar, HORT Hortiatis, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, h, m, s, SC. Includes stations like DIVS Divibare, MMB Medias, BBLs Lazć, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, h, m, s, SC. Includes stations like LZH comp=N,120nm,10.3s, CMAR Chiang Mai Arr, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like PB01, PB09, PB11, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res, ISC. Includes stations like OBIP, TXAR, DBIC, SDCO, etc.

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

SOME 31 05:36:08.9, 39°98'N-76°83'E, h5km
NMC 31 05:36:09.6, 1.5, 40.06N-76.74E, h0km, mb3.5, mpv3.2,
Error ellipse: s-maj=9.8km s-min=8.0km az=1.0

KRNET 31 05:36:09.8, 0.1, 40.08N-76.72E, mb3.0
ISC 31 05:36:14.0, 0.2, 1, 40.14N-76.70E, 0.04, h10km, n57,
c204/86, 19C-10D, Kyrgyzstan-Xinjiang border region

Code Station Name Az El P Phase ID Time Res ISC

NIED 31 05:40:00.36, 50N-142.70E, h8km, Mw5.1 Best double
couple: M5.65000x1016 NP1=218.00000°, 841.00000°,
lambda.106.00000°. NP2=17.00000°, 850.00000°, lambda.77.00000°.
IDC 31 05:40:48.3, 0.5, 36.47N-142.78E, h0km, mb4.7/26,
mb1 4.8/32, mb1mx4.7/44, mbtmp4.6/32, ML3.9/5, MS4.8/30,
Ms1 4.8/30, ms1mx4.5/48, Error ellipse: s-maj=14.1km
s-min=12.1km az=137.0
ISCJB 31 05:40:48.0, 0.8, 36.59N-142.02E, h2km, 4km,
M5.4/8/15, MS5.2/73, Error ellipse: s-maj=4.0km
s-min=2.7km az=152.5
JMA 31 05:40:50.0, 0.1, 36.53N-142.77E, h33km, M5.4
BJI 31 05:40:51.7, 0.0, 36.52N-142.25E, h15km, mb5.1/74,
mb5 4/65, Ms5.4/86, Ms7 5.3/78
MOS 31 05:40:51.2, 1.3, 36.74N-142.67E, h20km, mb5.3/62,
MS5.5/16, Error ellipse: s-maj=6.4km s-min=3.9km
az=107.4
NEIC 31 05:40:52.6, 2.7, 36.38N-142.86E, h29km, 1km, mb4.8/208,
Error ellipse: s-maj=11.9km s-min=7.9km az=106.0
GCMT 31 05:40:53.6, 0.2, 36.48N-142.90E, 0.02, h13km,
MW5.2/11, Moment Tensor Solution. s61, c83;
s11, c201. Duration: 0 Moment tensor: Scale 1016Nm;
M5.5, 5.7, 19; Mw=1.98, 1.72; Mw=3.57, 1.3; Mw=1.88, 3.0;
Ms=2.82, 0.9; Ms=3.46, 3.4. Best double couple:
M6.86100x1016 NP1=32.00000°, 863.00000°,
lambda.185.00000°. NP2=222.00000°, 828.00000°, lambda.99.00000°.
Principal axes: T 6.8140, P1g72.0000°, Azm291.0000°; N
0.0930, P1g4.0000°, Azm34.0000°; P -6.9080, P1g17.0000°,
Azm126.0000°; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
moment-rate function

ISC 31 05:40:50.4, 0.7, 36.56N-142.72E, 0.04, h11km, 3km,
n426, c202/476, mb4.9/168, MS5.1/74, 41C-13D, Off east
coast of Honshu

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

31d 5h

Table with columns for flight codes (e.g., JSD, JHJ, JHJ), destinations (e.g., Sado, Hachioji jima 2), times, and status indicators (P, Pn, Sn, etc.).

2013 JUL

Table with columns for flight codes (e.g., OKH, SKR, SKR), destinations (e.g., comp=Z,4um,15.0s, Severo-Kuril's), times, and status indicators (MLR, MLR, Pn, etc.).

1632

Table with columns for flight codes (e.g., YAK, H11N2, H11N1), destinations (e.g., comp=N,3um,16.0s, WAKE ISLAND Hy 27.01 122), times, and status indicators (MLR, MLR, T, etc.).

31d 8h

Table with columns: KIS, KIS, comp=Z,3um,16.0s, MLR, MLR, 06 03 22.0, etc. Lists various stations and their associated data.

2013 JUL

Table with columns: KRUC, Moravsky, 82.35 328 eP, P, 05 53 13.0 +0.8, etc. Lists various stations and their associated data.

1634

Table with columns: s-maj=34.2km, s-min=30.7km, az=37.0, etc. Lists various stations and their associated data.

Table with columns: Station Name, Time, Date, and various codes. Includes stations like Erimo, Urakawa-nobuka, Tokachiro, etc.

Table with columns: Station Name, Time, Date, and various codes. Includes stations like Chengdu, Kunning, Jazzart, etc.

Table with columns: Station Name, Time, Date, and various codes. Includes stations like Khabaz, NORSAR, etc.

ANIG	Zihuatajejo	2.59 111	eS	Sn	10 20 16.8	+0.7
ZILG	Zihuatajejo	2.59 111	ePn	Pn	10 20 19.5	+0.2
ZILG	Zihuatajejo	2.59 111	eS	Sb	10 20 19.1	-3.0
ZILG	Zihuatajejo	2.59 111	eP	Pb	10 20 19.5	+0.2
ARIG	Puente Sto Nin	3.49 94	rS	Sb	10 20 19.1	-3.0
ARIG	Puente Sto Nin	3.49 94	eS	Sb	10 20 41.6	-6.3
TLIG	Tiapa	5.27 100	ePn	Pn	10 20 26.6	+4.1
TLIG	Tiapa	5.27 100	eS	Sn	10 21 24.5	+1.1
LVIG	Laguna Verde	7.27 79	ePn	Pn	10 20 53.2	+3.3
LVIG	Linares	7.61 33	ePn	Pn	10 20 58.9	+4.5
HRIG	Linares	8.49 350	ePn	Pn	10 21 08.9	+1.8
KVTH	Kingsville	10.58 31	ePn	Pn	10 21 39.1	+3.9
TX31	Lajitas Arr. Si	10.75 2	ePn	Pn	10 21 40.1	+2.5
TXAR	Lajitas Array	10.75 2	ePn	Pn	10 21 42.8	+5.2
TXAR	0.1nm,0.3s,baz=184,slo=14,SNR=29		Lg	Lg	10 24 44.2	
TXAR	0.1nm,0.3s,baz=184,slo=30,SNR=5.5		LR	LR	10 26 19.2	
TXAR	comp=Z,272nm,19.3s,baz=0.0,slo=40		LR	LR	10 21 48.6	-0.1
SRIG	Santa Rosalia	11.56 321	ePn	Pn	10 21 59.0	+1.5
HJG	Junction City	12.38 17	ePn	Pn	10 22 05.1	+3.8
APG	El Apazole	13.44 103	ePn	Pn	10 22 15.7	+1.1
APG	0.1nm,0.3s,baz=266,slo=15,SNR=2.2		Lg	Lg	10 26 07.5	
APG	0.1nm,0.3s,baz=227,slo=19,SNR=2.8		LR	LR	10 27 20.9	
APG	comp=Z,149nm,21.7s,baz=243,slo=37		LR	LR	10 22 17.6	+1.5
HKT	Hockley	13.58 32	ePn	Pn	10 22 21.4	-4.4
GD2L	Guadalupe Moun	13.61 359	ePn	Pn	10 22 20.3	+3.2
319A	Douglas	13.64 341	ePn	Pn	10 22 31.6	-2.4
121A	Cookes Peak, D	14.34 347	P	P	10 22 33.9	-2.4
ABTX	Abielene, Hawle	14.56 15	ePn	P	10 22 36.9	+0.6
ABTX	Abielene, Hawle	14.56 15	P	P	10 22 37.5	+0.3
WHTX	Lake Whitney, B	14.64 23	P	P	10 22 37.4	-3.2
TEIG	Tejich	14.94 81	ePn	P	10 22 40.8	-0.5
TUC	Tucson	15.01 337	ePn	P	10 22 44.4	-1.3
TUC	Tucson	15.01 337	P	P	10 22 43.9	-1.9
MSTX	Muleshoe	15.40 4	P	P	10 22 46.8	-0.4
MSTX	Muleshoe	15.40 4	P	P	10 22 47.6	-0.5
214A	Organ Pipe Nat	15.54 331	P	P	10 22 49.9	+0.5
NATX	Nacogoches	15.64 31	ePn	P	10 22 51.0	+1.6
BNM	Barren Site	16.41 7	ePn	P	10 22 53.6	-0.6
LAZ	Ladron	16.41 7	ePn	P	10 22 56.9	0.0
AMTX	Amarillo	16.41 7	P	P	10 22 57.7	-0.1
AMTX	Amarillo	16.41 7	P	P	10 30 02.2	
ANMO	Albuquerque	16.48 353	Pn	P	10 22 58.2	+0.4
ANMO	Albuquerque	16.48 353	ePn	P	10 22 59.2	+1.4
ANMO	Albuquerque	16.48 353	P	P	10 22 58.6	+1.5
113A	Mohawk Valley,	16.66 330	ePn	Pn	10 23 00.5	+0.6
TGUH	Teeguicalpa,Un	16.67 103	ePn	P	10 23 00.1	+0.1
WMOK	Wichita Mounta	16.79 15	ePn	P	10 23 05.1	+1.7
WMOK	Wichita Mounta	16.79 15	P	P	10 23 05.8	+0.7
X16A	Lo Mia Camp, P	17.14 339	ePn	Pn	10 23 08.5	+2.0
W18A	Petrified Fore	17.28 344	ePn	Pn	10 23 08.2	+0.8
W18A	Petrified Fore	17.28 344	P	P	10 23 07.0	+1.6
Y14A	Wickenburg	17.31 334	ePn	Pn	10 23 14.3	+2.4
IKP	In-Ko-Pah, Jac	17.37 325	P	P	10 23 11.8	0.0
Z41A	Richard Creek	17.77 32	P	P	10 23 18.3	+2.7
PDMCI	Parker Dam,Lak	18.11 332	P	P	10 23 18.1	+2.2
MONP2	Monument Peak	18.12 324	P	P	10 23 17.6	+1.7
WUAZ	Wupatki	18.12 340	ePn	P	10 23 18.0	+2.0
WUAZ	Wupatki	18.12 340	P	P	10 23 22.2	+2.8
IRM	Iron Mountain	18.45 330	Pn	Pn	10 23 22.3	+1.7
T25A	Trinidad	18.68 359	P	Pn	10 23 23.7	+1.3
W13A	Hualapal Mount	18.68 334	ePn	Pn	10 23 24.1	+1.7
PFO	Pinyon Flats O	18.69 326	P	Pn	10 23 25.1	+2.6
PFO	Pinyon Flats O	18.69 326	P	Pn	10 23 25.2	+3.3
TUL1	Leonard	18.77 21	ePn	Pn	10 23 23.8	+0.6
W39A	Magazine	18.91 27	ePn	Pn	10 23 28.3	+1.9
MVCO	Mesa Verde	19.01 349	ePn	Pn	10 23 28.1	+1.6
MVCO	Mesa Verde	19.01 349	P	Pn	10 23 28.6	+1.5
MURC	Murieta	19.08 324	P	Pn	10 23 29.4	+0.9
SDCO	Great Sand Dun	19.18 356	ePn	Pn	10 23 29.2	+0.7
SDCO	Great Sand Dun	19.18 356	P	Pn	10 23 30.6	+0.8
S22A	4UR Ranch, Cre	19.29 353	P	Pn	10 23 29.7	-1.1
449A	Pace	19.49 48	P	Pn	10 23 35.1	+2.0
HECR	Hector,Ludlow	19.58 328	P	Pn	10 23 32.5	-0.5
W41B	Gary Mavity, V	19.58 30	P	Pn	10 23 37.2	+1.3
BFSC	Mount Baldy Ra	19.81 325	P	Pn	10 23 36.5	+0.3
BRAL	Brewton	19.84 47	ePn	Pn	10 23 33.5	-1.1
BRAL	Brewton	19.84 47	P	Pn	10 23 34.0	-2.2
349A	Repton	19.85 47	P	Pn	10 23 37.8	+1.2
TUQ	Turquoise Moun	19.86 330	P	Pn	10 23 37.8	+1.6
KNB	Kanab	19.97 339	ePn	Pn	10 23 40.3	+0.8
LCMT	Little Creek M	20.11 338	ePn	Pn	10 23 41.1	+0.8
GSC	Goldstone, Bar	20.18 328	P	P	10 23 40.8	+2.4
GSC	Goldstone, Bar	20.18 328	P	Pn	10 23 41.5	+0.9
PKCU	Pink Cliffs	20.19 341	ePn	Pn	10 23 39.5	-1.1
FCAR	Ozark Folk Cen	20.23 29	ePn	Pn	10 23 42.9	+2.1
SHOC	Shoshone, Teco	20.41 330	P	Pn	10 23 43.3	+2.3
SHPR	Sheep Range	20.41 333	ePn	Pn	10 23 43.2	+1.6
EDW2	Edwards Air Fo	20.48 325	P	Pn	10 23 45.1	+0.7
CBKS	Cedar Bluff	20.54 10	ePn	Pn	10 23 46.0	+0.3
CCU	Cedar City	20.64 339	ePn	Pn	10 23 44.4	+0.6
OSIT	Osito Audit: C	20.68 324	ePn	Pn	10 23 46.5	-0.1
MTPU	Mount Pierson	20.70 341	ePn	Pn		

SMCO	Snowmass	20.72 353	eP	Pn	10 23 46.6	-0.4
LRMC	Laurel Mtn Rad	20.77 327	P	P	10 23 47.2	+2.4
250A	baz=142	20.85 47	ePn	Pn	10 23 46.9	-1.1
LRAL	Lakeview Retre	21.00 43	ePn	P	10 23 46.3	-1.0
LRAL	Lakeview Retre	21.00 43	P	P	10 23 46.2	-1.0
ARVC	Arvin	21.12 324	P	P	10 23 50.6	+2.2
MPMC	Manual Prospec	21.12 328	P	P	10 23 51.0	+2.3
FURC	Furnace Creek,	21.15 330	P	P	10 23 51.0	+2.4
Q16A	Castle Valley	21.24 344	ePn	P	10 23 51.3	+1.4
TPNV	Topopah Spring	21.26 332	ePn	P	10 23 53.7	+2.9
TPNV	Topopah Spring	21.26 332	P	P	10 23 52.7	+2.5
SRU	baz=147,SNR=31	21.26 346	ePn	P	10 23 50.9	+0.7
ISA	Isabella, Lake	21.32 326	ePn	P	10 23 52.2	+1.5
ISA	Isabella, Lake	21.32 326	P	P	10 23 52.8	+2.1
DAC	Darwin (Calif)	21.35 329	ePn	P	10 23 51.5	+0.4
Y48A	Jasper	21.46 41	P	P	10 23 51.2	-0.9
PKM	Mcperson Peak	21.50 322	P	P	10 23 55.4	+2.6
251A	Midway	21.51 48	P	P	10 23 51.3	-1.4
352A	Blakely	21.62 50	ePn	P	10 23 53.0	+0.2
TRMT	Trial Mountain	21.60 345	ePn	P	10 23 55.6	+1.6
P17A	Butch Ranch,	21.66 346	ePn	P	10 23 55.2	+0.9
PSUT	Pine Spring	21.69 339	ePn	P	10 23 56.5	+1.8
CWC	Cottonwood Cre	21.72 324	P	P	10 23 57.6	+2.6
VES	Vestal, Richgr	21.78 325	P	P	10 23 58.6	+3.1
GRAC	Grapevine Rang	21.81 330	P	P	10 23 58.9	+3.0
O20A	White River Ci	21.83 351	P	P	10 23 57.4	+1.1
Z50A	Ashland	21.84 44	P	P	10 23 55.7	-0.6
Y49A	Blount Mountai	21.90 42	P	P	10 23 55.7	-1.2
SMMC	Simmler	21.91 323	P	P	10 23 59.0	+2.0
252A	Lumpkin	21.94 49	P	P	10 23 56.7	-0.6
353A	Camilla	21.97 51	P	P	10 23 56.3	-1.3
058A	Arcadia	22.13 63	P	P	10 23 56.9	-2.5
R11A	Troy Canyon, C	22.17 335	ePn	P	10 24 02.6	+2.7
R11A	Troy Canyon, C	22.17 335	P	P	10 24 02.4	+2.5
555A	McAlpin	22.33 55	P	P	10 23 59.8	-1.7
PAGB	Antelope Grade	22.35 323	ePn	P	10 24 03.8	+2.1
656A	Willston	22.35 57	P	P	10 23 59.6	-2.1
CCM	Cathedral Cave	22.41 27	P	P	10 24 01.4	-0.9
455A	Staville	22.57 53	P	P	10 24 02.3	-1.7
WVT	Waverly	22.60 36	ePn	P	10 24 03.5	-0.9
WVT	Waverly	22.60 36	P	P	10 24 02.7	-1.6
Y51A	Rockmart	22.81 44	P	P	10 24 04.6	-1.9
W49A	Belvidere	22.82 40	P	P	10 24 04.8	-1.8
Z52A	Williamson	22.82 46	P	P	10 24 05.1	-1.7
DUG	Dugway, Tooele	22.88 342	ePn	P	10 24 08.2	+0.8
254A	Aberville	22.95 50	P	P	10 24 06.0	-2.1
OMMB	Old Mammoth Mi	23.09 328	ePn	P	10 24 11.8	+1.9
MDPB	Devils Postpil	23.15 328	ePn	P	10 24 11.8	+1.5
NV11	Mina Array Sit	23.34 331	ePn	P	10 24 13.7	+1.5
NV01	Mina Array Sit	23.41 331	ePn	P	10 24 15.0	+2.1
NVAR	Mina Array Bea	23.41 331	P	P	10 24 15.0	+2.1
CLTN	Cedars of Leba	23.43 38	P	P	10 24 10.7	-2.3
Y52A	Lilburn	23.45 46	P	P	10 24 11.4	-1.8
Z53A	Monticello	23.46 47	P	P	10 24 11.9	-1.3
V49A	McMinnville	23.47 39	P	P	10 24 11.5	-1.8
GOGA	Godfrey	23.61 47	ePn	P	10 24 13.5	-1.2
GOGA	Godfrey	23.61 47	P	P	10 24 12.5	-2.1
T47A	Sharon Grove	23.63 36	ePn	P	10 24 13.4	-1.5
RYN	Ryan	23.67 331	ePn	P	10 24 17.0	+1.6
KVN	Kaiserville	23.82 332	ePn	P	10 24 18.7	+1.8
V50A	Pikeville	23.90 41	P	P	10 24 16.0	-1.5
X52A	Dahlonaga	24.00 44	P	P	10 24 16.6	-1.9
Z56A	Glennville	24.01 52	P	P	10 24 16.6	-1.9
U49A	Red Boiling Sp	24.05 38	P	P	10 24 17.8	-1.1
ELK2	Casper	24.13 355	P	P	10 24 19.8	0.0
K2K	Elko	24.14 339	P	P	10 24 21.2	+1.3
ELK	comp=Z,66nm,18.7s,baz=162,slo=37		LR	LR	10 34 02.2	
Y54A	Tignall	24.40 47	P	P	10 24 20.2	-1.9
PNTR	Pine Nut	24.54 340	ePn	P	10 24 25.7	+2.0
U50A	Jamesstown	24.54 40	P	P	10 24 21.5	-1.9
PD31	Pinedale Array	24.60 350	ePn	P	10 24 25.1	+0.9
PDAR	Pinedale Array	24.60 350	P	P	10 24 25.1	+0.9
156A	Sylvania	24.62 51	P	P	10 24 21.9	-2.3
TKL	Tuokoleechee C	24.72 42	LR	LR	10 36 37.5	
W53A	Culowhee	24.84 44	P	P	10 24 25.0	-1.1
PAHR	Pahr Pah Range	24.93 331	ePn	P	10 24 28.7	+1.6
T50A	Nancy	24.95 39	P	P	10 24 25.8	-1.3
V52A	Sevierville	24.95 42	P	P	10 24 26.2	-0.9
X54A	Belton	24.99 46	P	P	10 24 26.4	-1.1
157A	Early Branch	25.00 51	P	P	10 24 25.6	-2.0
U51A	La Follette	25.02 41	P	P	10 24 26.7	-1.1
Z56A	Williston	25.05 50	P	P	10 24 27.2	-0.8
S49A	Springfield	25.21 37	ePn	P	10 24 28.7	-0.7
V53A	Saluda	25.35 43	ePn	P	10 24 30.6	-0.2
V53A	Saluda	25.35 43	P	P	10 24 30.0	-0.8

T51A</

LIM 31 10:25:21.0, 8.815, 79.99W, h44km, ML4.5, MBA.6(NEIC)
ISC 31 10:25:21.0, 0.4, 8.725, 0.05, 80.05W, 0.07, h39km, n292,
e098/294, mb4.5/11, Off coast of northern Peru

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, Op, h, m, s, ISC. Rows include stations like ATAH, NNA, NNA, NNA, etc.

Table with columns: Q58A, Q57A, MSTX, MSTX, CCM, CCM, P59A, 319A, O50A, O57A, O56A, 121A, P43A, O59A, O48A, O60A, N50A, N58A, N49A, N59A, N60A, N47A, HDIL, HDIL, PAL, M53A, M50A, M55A, M49A, M47A, ANMO, ANMO, ANMO, N41A, N41A, TUC, TUC, L48A, L47A, L55A, M41A, T25A, 214A, TRY, L40A, L40A, SDCO, SDCO, X16A, Y14A, M40A, M40A, H2A, WUAZ, WUAZ, Y12C, IRM, ECSD, ECSD, ALGO, BELC, G40A, G39A, GMRC, KNB, SPMM, SPMM, TRQ, PKCU, E54L, E48A, E47A, E51A, O20A, O20A, H2C, SRU, TUQ, D52A, Q16A, CCUT, D53A, D47A, D54A, P17A. Rows include stations like Fox Den Farm, Strasburg, Muleshoe, Cathedral Cave, etc.

Table with columns: SHPR, GSC, SHOC, E38A, E38A, EDW2, LRMC, K22A, K22A, PSUT, TPNV, TPNV, FURC, MPMC, RSSD, C40A, DUG, DUG, R11A, R11A, GRAC, CWC, VES, SMMC, HWUT, HWUT, BW06, BW06, PD31, PD31, PDAR, PDAR, MATO, AGMN, AGMN, HVU, CHGO, OMMB, NV01, NV01, NVAR, NVAR, MDND, MDND, ELK, ELK, IMW, FLWY, WAKR, RLMT, YERR, LAO, YHH, YHB, VCNR, ULM, ULM, PAHR, GCMT, HLID, HLID, MCMT, MCMT, BOZ, BEKR, MFID, DLMT, WVOR, HRY, EGMT, MOD, MSO, MSO, M40C, M40C, M02C, YBH, L04D, F10A, J05D, PINE, G08A, J04D, J04E, I05D, WALA, I03D, H04A, NEW. Rows include stations like Sheep Range, Goldstone, Shoshone, The Farm, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like 003D Eldon, B05A Bryant, NLWA Neilton Lookouk, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like CPUP Villa Florida, SMTB Santa Maria do, PTGB Brasilia, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like PAHR Pah Rah Range, MCMT McKenzie Canyo, BLOZ Bozeman (W), etc.

NEIC 31 10:28:08.0.0.5.16S.80.74W, h56km, mb4.5/107, M4.7(ARE), After ARE

NEIC Felt (V) at Piura and Illi at Sullana. IDC 31 10:28:09.1.0.6.5.07S.80.66W, h47km, 5km, mb4.1/22, mb1.4/2/3, mb1mx4.1/43, mbmp4.3/23, MS3.3/4, Ms1.3/3/4, ms1mx3.2/21, Error ellipse: s-maj=17.4km s-min=7.4km az=53.0

VAO 31 10:28:43.0.1.1.6.40S.79.69W, h276km, mb4.5 IDC 31 10:28:08.0.0.5.14S.0106.80.83W.0.07, h47km, 5km, n163, o1972/174, mb4.5/105, 1C, Near coast of northern Peru

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like ATAH Atahualpa, ATAH 154nm, NNA Nana, NNA 13nm, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like U15A North Rim, U16A Lo Mic Camp, Y14A Wickenburg, etc.

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like SYO Yona Base, ASP Isparta, ASP Alice Springs, etc.

MEX 31 10:31:34.7.0.6.18.41N.104.16W, h16km, 7km, MD3.8. Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like MMIG Aquila, MMIG Goldstone, etc.

AZER 31 10:33:59.5.0.2.37.87N.47.27E, h6km, m13.9/26, Error ellipse: s-maj=4.6km s-min=1.4km az=352.0 TEI 31 10:34:01.3.37.93N.47.19E, h7km, ML3.8 IDC 31 10:34:03.0.2.2.38.07N.47.44E, h0km, mbr1.3/7/3, mb1mx3.3/4/5, mbmp3.7/3, ML3.4/4, Error ellipse: s-maj=26.9km s-min=15.2km az=178.0 THR 31 10:34:02.1.37.90N.47.28E, h17km, ML3.9 IDC 31 10:34:01.8.1.2.37.90N.02.47.21E.0.02, h2km, 9km, n110, o1979/138, Northwestern Iran

Table with columns: Code, Station Name, Az, El, P, Time Res, h m s ISC. Includes stations like ISRB Sarab, ISRB Hashtrud, IHRH Heris, etc.

ISHB	Shabestar	1.31 288	ePg	Pn	10 34 25.6	-1.8
ISHB			IAMB	IAMB	10 34 28.0	
ORD	Ordubad	1.40 318	eSg	Sb	10 34 45.1	-0.6
ORD	Ordubad	1.40 318	ePn	Pn	10 34 27.5	-1.0
ORD	SNR=18				10 34 27.9	-0.7
ASTR	Astara	1.41 62	ePg	Sg	10 34 50.6	+3.7
ASTR	SNR=56				10 34 28.0	-0.6
IMRD	Marand	1.44 305	ePg	Pb	10 34 28.2	-0.7
IMRD			IAMB	IAMB	10 34 53.8	
LKRN	Lenkeran, Azer	1.48 56	ePn	Pn	10 34 29.4	-0.6
LKRN	SNR=66				10 34 29.5	-0.6
GLBA	Cliabab	1.63 34	ePn	Sg	10 34 51.2	+1.8
GLBA	SNR=80				10 34 33.0	-0.1
MAHB	Mahabad	1.64 227	ePn	Sg	10 34 58.0	+3.7
NAX	Nakhchivan	1.85 314	ePn	Pb	10 34 29.8	-2.1
NAX	SNR=88				10 34 36.2	-0.3
NAX	SNR=88				10 34 36.2	-0.3
SBZ	Shahbuz	1.98 320	ePn	Pb	10 35 02.8	+1.4
SBZ	SNR=47				10 34 37.9	-0.7
YOVA	Hakkari_Yksek	2.33 263	iP	Sg	10 35 06.7	+1.3
YOVA			IAMB_P		10 34 45.5	+0.8
BRDA	Brd	2.36 359	ePn	Pb	10 34 46.3	+1.2
BRDA					10 34 43.0	+1.4
ZRD	Zardab	2.41 9	ePn	Pb	10 35 16.2	+1.5
ZRD	SNR=7.5				10 34 47.1	+1.2
MAKU	Maku	2.46 307	ePn	Sb	10 34 43.8	-2.1
MAKU					10 35 17.5	+1.5
ALIB	Äi-Bayra	2.49 34	ePn	Sg	10 34 44.4	+1.3
ALIB					10 35 20.6	-0.1
BASK	Baskale_VAN	2.54 275	iP	Sg	10 34 44.1	+0.7
BASK			IAMB_P		10 34 48.8	+0.6
HYR	Heyderabad	2.59 315	ePn	Pb	10 34 48.3	-0.7
HYR	SNR=6				10 34 46.4	+1.6
KDMR	Kurdemir	2.59 17	ePn	Pb	10 35 23.3	+2.0
KDMR					10 34 50.2	+1.2
HSRC	Sareghieh	2.79 162	ePn	Pb	10 34 46.1	+1.3
HSRC			IAMB	IAMB	10 34 50.2	+0.3
HAKT	HAKKARI	2.79 264	iP	Pb	10 35 28.7	
HAKT			IAMB_P		10 34 51.0	-1.6
SNGE	Sanandaj	2.80 178	ePn	Pn	10 34 48.3	+0.6
GANJ	Ganja	2.83 346	ePn	Pn	10 34 51.0	-1.2
GANJ	SNR=5.0				10 34 49.8	+1.7
IGZV	Ghazvin	2.84 121	ePn	Sb	10 35 28.1	-0.2
IGZV			IAMB	IAMB	10 34 47.8	-0.6
CLDR	Caldiran	2.87 297	iP	Pb	10 35 37.3	
CLDR			IAMB_P		10 34 54.7	+0.9
MNGR	Mingechevir, A	2.87 297	ePn	Pb	10 34 53.5	-0.3
MNGR					10 34 54.7	+0.9
QABG	Abgarim-Qazvin	2.90 138	ePn	Pn	10 34 50.1	+1.4
CUKT	Cukurca	2.93 258	iP	Pb	10 35 29.0	-0.5
CUKT			IAMB_P		10 34 52.3	-2.6
GNI	Gurukera	2.93 258	ePn	Pn	10 34 52.1	+2.5
GNI					10 34 54.6	+0.8
GBS	Gobustan	2.96 27	ePn	Pb	10 35 37.1	
GBS					10 34 55.7	+0.4
IML	Ismayilli	2.99 14	S	Sb	10 34 50.3	+0.4
GDB	GEDABAY	3.04 339	ePn	Pb	10 35 28.8	-3.2
GDB					10 35 29.5	-3.4
GDB	SNR=36				10 34 55.9	-0.8
VMUR	Van-Muradiye	3.06 292	iP	Pb	10 34 55.9	-0.8
VMUR			IAMB_P		10 35 30.7	
PQL	Pirkuli	3.08 20	ePn	Pb	10 34 54.7	-2.8
PQL					10 34 52.6	+0.9
QBL	Gabala	3.08 9	ePn	Pb	10 35 30.6	+1.4
QBL					10 34 54.2	+2.6
QBL					10 34 53.1	+1.4
QALM	Alamut, Qazvin	3.11 117	ePn	Pb	10 35 33.6	-2.0
TASB	TASBURUN-IGDIR	3.12 313	ePn	Pb	10 34 55.4	-2.1
IGDI	IGDIR	3.14 310	iP	Pb	10 34 57.7	-0.3
IGDI			IAMB_P		10 34 59.1	+0.8
ATGJ	Altiaghaj	3.25 24	ePn	Pb	10 35 37.1	
ATGJ	SNR=6.4				10 34 58.3	-2.0
ATGJ					10 34 54.1	+0.2
IDHR	Dehrash	3.26 192	ePn	Pb	10 35 36.4	-4.0
IDHR			IAMB	IAMB	10 34 55.0	+0.8
SEKA	Sheki	3.31 360	ePn	Pn	10 35 57.5	
SEKA					10 34 56.8	+2.1
IRAZ	Razeghan	3.31 138	ePn	Pb	10 34 56.8	+2.1
IRAZ			IAMB	IAMB	10 35 38.9	-3.1
XNQ	Xinaliq	3.35 12	ePn	Pn	10 34 54.9	0.0
XNQ	SNR=14				10 35 49.0	
AKDM	Akdamar-Van	3.36 279	ePn	Pb	10 34 57.2	+1.8
IVIS	Veis	3.38 185	ePn	Pb	10 34 57.2	+1.8
SIZA	Siyzun	3.44 22	ePn	Pb	10 35 39.9	+2.1
SIZA	SNR=6.0				10 35 56.2	+0.1
HAGD	Aghdareh	3.44 152	ePn	Pb	10 35 03.8	
HAGD			IAMB	IAMB	10 35 03.8	
QZX	Qazax, Azerbai	3.46 336	P	Pn	10 34 57.8	+1.0
QZX	SNR=30				10 35 42.6	-3.9
THKV	Tehran-323km	3.54 123	AML	AML	10 35 56.2	
THKV					10 35 56.7	
IMHD	Mahdasht	3.55 127	ePn	Pb	10 35 56.7	
QUBA	Quba	3.59 14	ePn	Pb	10 34 57.9	-0.2
QUBA	SNR=3				10 35 51.0	+2.0
IGHG	Ghaleghazi	3.60 188	ePn	Pb	10 34 57.9	-0.1
IGHG			IAMB	IAMB	10 35 03.8	
KCHF	Cheshme Sefid	3.62 182	ePn	Pn	10 35 03.8	
KCHF			IAMB	IAMB	10 35 11.0	
DDFL	Defoliistskaro	3.64 347	P	Pb	10 35 03.7	-3.3
QASAR	Qasar	3.71 12	ePn	Pb	10 35 04.4	-3.6
QASAR	SNR=5				10 35 00.2	+0.1
IKOM	Komasi	3.72 176	ePn	Pb	10 35 02.1	-1.4
IKOM			IAMB	IAMB	10 34 56.8	+0.3
TUTA	Tutak	3.75 295	iP	Pb	10 35 03.8	
TUTA					10 35 03.8	

TUTA	Zakatla	3.76 353	P	Pn	10 35 01.4	+0.5
ZKTA	SNR=3.7				10 35 48.9	+3.1
ZKTA	Zaqatala	3.78 354	ePn	Pb	10 35 05.0	-4.2
SIRN	Sirnak	3.82 265	iP	Pb	10 35 09.8	-0.3
SIRN			IAMB_P		10 35 03.7	+1.4
HSAM	Sameen	3.85 162	ePn	Pn	10 35 07.9	+3.7
LGD	Lagodekhi	4.00 350	P	Pn	10 35 09.0	+2.3
SRMT	Siirt_Merkez	4.18 273	iP	Pb	10 35 03.7	+1.4
SRMT			IAMB_P		10 35 09.0	+2.3
IDPV	Idpey	4.42 110	ePn	Pn	10 35 10.4	+0.3
IDPV	Damavand	4.51 119	ePn	Pb	10 35 12.4	+0.9
IDMV			IAMB	IAMB	10 36 34.5	
IVRN	Varamin	4.65 127	ePn	Pn	10 35 13.2	0.0
IVRN			IAMB	IAMB	10 35 37.5	
MARD	Mardin	5.14 265	iP	Pg	10 35 39.2	-1.1
MARD			IAMB_P		10 35 24.3	+2.6
ILAS	Ilas	5.26 117	ePn	Pn	10 35 24.1	+1.7
ISHM	Shahmirzad	5.31 111	ePn	Pb	10 35 28.8	
ISHM			IAMB	IAMB	10 35 28.8	
IGLO	Ghalogah	5.47 103	ePn	Pb	10 35 24.7	+0.2
ZEF	Zefan	6.51 139	ePn	Pb	10 36 02.4	+3.7
KBZ	Khabaz	6.68 32	Pg	Pb	10 35 47.8	+1.0
KBZ					10 36 06.6	-1.1
ANAR	Anarak	7.09 130	ePn	Pn	10 36 45.9	+0.3
GEYT	Alibek	8.62 96	ePn	Pb	10 36 41.8	+4.9
GEYT					10 37 27.3	-3.7
BRTR	Keskin Array B	10.74 284	Pn	Pn	10 40 00.5	-1.4
AKTO	Aktobinsk	14.72 38	Pn	Pn	10 42 50.3	+1.5
AKTO					10 40 00.5	-1.4
HHC	Hu-ho-hao-te	48.83 65	Pmax	Pmax	10 42 50.3	+1.5
HHC					10 42 50.3	+1.5

ATH 31 10:36:20.8,36°59'N,21°48'E,h28km,ML4.1/13,Error ellipse: s-maj=1.9km s-min=0.9km az=52.0
 IDC 31 10:36:20.3,4.8,36°72'N,21°63'E,h22km,mb4.1/27,mb1.4/2/38,mb1mx4.1/54,mbtmp4.2/38,ML3.9/11,MS3.4/18,Ms1.3/4/18,ms1mx3.1/53,Error ellipse: s-maj=12.6km s-min=10.3km az=173.0
 MOS 31 10:36:20.2,1.0,36°72'N,21°56'E,h33km,mb4.8/26,Error ellipse: s-maj=7.0km s-min=4.0km az=72.0
 ISCJB 31 10:36:22.0,0.3,36°78'N,0°02'21.47E,0.2,h55km,2km,mb4.5/74,MS3.4/12,Error ellipse: s-maj=3.8km s-min=2.0km az=40.2
 PDG 31 10:36:21.4,0.7,36°65'N,21°50'E,h35km,2km,ML4.4/9,Error ellipse: s-maj=1.2km s-min=1.4km az=0.0
 THE 31 10:36:21.8,36°61'N,21°44'E,h17km,ML4.2/11,Error ellipse: s-maj=1.1km s-min=0.7km az=50.0
 NEIC 31 10:36:21.8,0.0,36°61'N,21°44'E,h17km,mb4.6/37,ML4.2(TH),After THE
 MED_RC 31 10:36:22.0,0.6,36°63'N,21°49'E,h37km,3km,MM4.4/4, Moment Tensor Solution.Mantle waves: s4,c4; Duration: 1s0 Moment tensor: Scale 10¹⁵Nm; Mrr=1.22e-51; Mth=0.67e-57; Mtt=0.56e-48; Mtr=1.23e-19; Mtt=4.03e-13; Mtr=1.23e-16; Best double couple: M=4.54000e+1015 Np1=266.00000; 870.00000;-22.00000; NP2=0.4,00000; 870.00000; -1.158,00000; Principal axes: T 4.6400,Plg0.0000; Azm315.0000; N -0.2000,Plg29.0000; Azm225.0000; nsta1 refers to body waves. nsta2 refers to surface waves, cutoff=30s.
 BEO 31 10:36:23.6,6.8,36°90'N,21°10'E,h10km,ML4.1/9
 ISC 31 10:36:21.1,0.6,36°63'N,0°03'21.46E,0.03,h31km,4km,n408,01e89/477,mb4.5/74,MS3.3/12,22C-11D,Southern Greece

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	Res	
PYL	PYLOS	0.35	41	ePg	Pb	10 36 29.6	+0.3
PYL				eSg	Sb	10 36 35.6	+0.7
PYL	PYLOS	0.35	41	P	Pb	10 36 29.6	+0.3
PYL				S	Sb	10 36 35.6	+0.7
PYL				42m,0.5s			
PYL	PYLOS	0.35	41	P	Pb	10 36 29.5	+0.3
PYL				S	Sb	10 36 34.9	0.0
PYL				AML	AML	10 36 36.3	
PYL				AML	AML	10 36 38.3	
ITM	Ithomi	0.66	34	ePg	Pn	10 36 34.7	+0.3
ITM				eSg	Sb	10 36 45.4	+1.7
ITM	Ithomi	0.66	34	P	Pn	10 36 34.6	+0.3
ITM				S	Sb	10 36 45.6	+1.9
ITM				comp=N,24μm,0.5s			
ITM	Ithomi	0.66	34	P	Pn	10 36 34.6	+0.3
ITM				S	Sb	10 36 44.7	+1.0
ITM				AML	AML	10 36 48.9	
ITM				comp=N,49669μm,0.3s			
AMT	Artemida-Makis	0.92	12	P	Pb	10 36 39.3	+0.8
AMT				S	Sb	10 36 52.6	+2.5
AMT				comp=E,17μm,0.7s			
AMT	Artemida-Makis	0.92	12	P	Pb	10 36 39.4	+0.8
AMT				S	Sb	10 36 53.3	+3.3
AMT				AML	AML	10 37 01.3	
AMT				comp=N,31632μm,0.7s			
AMT				comp=E,31938μm,0.5s			
VLX	Vlachokerasia	1.04	45	ePn	Pb	10 36 41.0	+0.4
VLX				eSg	Sb	10 36 56.3	+2.3
VLX	Vlachokerasia	1.04	45	P	Pb	10 36 41.0	+0.4
VLX				S	Sb	10 36 56.3	+2.3
VLX	Vlachokerasia	1.04	45	P	Pb	10 36 41.1	+0.4
VLX				S	Sb	10 36 56.2	+2.2
VLX				AML	AML	10 37 00.6	
TRIP	Tripoli	1.10	36	P	Pb	10 36 41.7	0.0
TRIP				S	Sb	10 36 58.1	+2.4
TRIP				comp=E,7μm,0.6s			
TRIP	Tripoli	1.10	36	P	Pb	10 36 42.0	+0.3
TRIP				S	Sb	10 36 58.1	+2.4
TRIP				AML	AML	10 37 04.6	
TRIP				comp=N,11984μm,0.6s			
VLJ	Veliai	1.19	85	ePn	Pb	10 36 43.1	+0.1
VLJ				eSg	Sb	10 36 59.8	+1.7
VLJ	Veliai	1.19	85	P	Pb	10 36 43.1	+0.1
VLJ							

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like STKA Stephens Creek, CAN Camberra, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like PB09 IPOC Station P, PB03 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CTBH Cotabato-PC H, BUKP Musuan, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like CEDE Laguna Cedee, ARE1 Arenal 1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like YOJ Yonaguni jima, YOJ Yonagunijimaku, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ETHL Xiulin Townshi, ETHL Chiuwan, etc.

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

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like ANTB Antalya, KORT Korkueeli, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SZAC Souti, YESI Yesilovacik-Me, etc.

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

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

ISCJB 31 12:20:21.6: 1.22:66S:0:04:68:9W:0:1, h118km, 11km, Error ellipse: s-maj=15.9km s-min=5.9km az=4.5

SJA 31 12:20:21.0: 0.8:22:66S:68:88W: h116km, 5km, MD2.8 GJC 31 12:20:22.1: 0.7:22:64S:68:92W: h110km, 5km, ML3.3

ISC 31 12:20:22.1: 1.8:22:66S:0:04:68:87W:0:09, h113km, 11km, n119, d0931/37, 8C, Northern Chile

ISK 31 13:18:13.8: 36:16N:31:23E, h17km, ML3, 6/40 GI 31 13:18:14.2: 3:1.4: 36:21N:31:38E, h15km, MD2.8/3

IDC 31 13:18:14.3: 1.4: 36:15N:31:19E, h51km, 22km, mb3.4/3, mb1 3.6/7, mb1mx3.3/39, mbmtpp3.7/7, ML3.7/4, Error ellipse: s-maj=13.0km s-min=11.5km az=168.0

DDA 31 13:18:14.0: 36:05N:31:33E, h42km, 2km, ML4.0 NSSC 31 13:18:17.2: 0.3: 36:10N:31:53E, h4km, 999km, ML2.9

ISC 31 13:18:15.3: 1.1: 36:12N:03:31:30E:0:02, h33km, 3km, n118, r1588/153, mb3.5/3, 7C-5D, Turkey

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MNVG Manavgat-Antal, MNVG Manavgat-Antalya, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like GEM Giv'at Ha'Em, OFRI Ofri, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like LVC Limon Verde, PB06 IPOC Station P, etc.

31d 14h

Table with columns: TOHT, comp=N, station name, frequency, power, and other technical details.

ICD 31 13:22:31.0.1.1.7.10S.130.99E.h0km.mb4.2/3. mb1 4.1/6. mb1mx3.8/30. mbtmp4.0/6. ML3.9/3. MS3.5/1. Ms1 3.5/1. ms1mx2.5/2. Error ellipse: s-maj=81.2km s-min=20.4km az=63.0

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

NEIC 31 13:26:13.3.0.0.15.45N.94.74W.h17km.MD4.1 (MEX). After MEX.

MEX 31 13:26:13.2.0.5.15.45N.94.74W.h22km.14km.MD4.1. Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

NIED 31 13:40:00.35.70N.140.80E.h44km.Mw4.0 Best double couple: Mb1.22000x1015 Np1.71.00000. 825.00000. 1.73.00000. 1NP2.04.00000. 865.00000. 1.95.00000.

ICD 31 13:40:30.4.0.8.35.66N.141.15E.h0km.mb3.0/3. mb1 3.9/14. mb1mx3.7/53. mbtmp3.8/14. ML3.7/3. MS2.8/7. JYT mb1 2.8/7. ms1mx2.6/47. Error ellipse: s-maj=27.7km s-min=15.2km az=81.0

ICJCB 31 13:40:35.7.0.6.35.68N.0.04.140.97E.0.07.h53km.3km. mb3.9/14. MS2.8/2. Error ellipse: s-maj=9.5km s-min=5.8km az=155.8

NEIC 31 13:40:36.0.0.8.35.64N.141.02E.h39km.6km.mb4.3/4. Error ellipse: s-maj=9.2km s-min=6.3km az=82.0

JMA 31 13:40:37.4.0.2.35.69N.140.75E.h47km.2km.M3.4 JMA Fell 1 J1

ICD 31 13:40:37.0.0.8.35.70N.0.05.140.90E.0.07.h47km.6km.nh8. r111/46. mb3.8/14. 4D. Near east coast of eastern Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

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Table with columns: SONAO, SONMI, SONMI, H11S1, H11S3, H11S2, ZAA1, ZALV, MK32, MKAR, KURK, ILAR, WRI, WRA, ABKAR, AS31, ASAR, FIAO, FINE, AKASO, NB200, NOA, FRB, Code, Station Name, Az, Phase ID, Time Res, and other technical details.

ICD 31 13:44:11.5.2.3.4.10S.152.13E.h0km.mb3.6/3. mb1 3.9/4. mb1mx3.5/33. mbtmp3.7/4. ML1.6/1. MS3.3/1. Ms1 3.3/1. ms1mx2.6/24. Error ellipse: s-maj=192.0km s-min=26.8km az=126.0. New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

ICD 31 13:45:07.3.1.9.3.74S.152.78E.h0km.mb3.7/5. mb1 4.0/6. mb1mx3.7/31. mbtmp3.8/6. ML2.2/1. MS3.3/3. Ms1 3.3/3. ms1mx2.8/25. Error ellipse: s-maj=61.8km s-min=24.9km az=118.0

ICJCB 31 13:45:10.0.1.8.3.75S.0.2.152.7E.0.14.h33km.mb3.6/5. MS3.2/2. Error ellipse: s-maj=56.8km s-min=17.7km az=27.2

ICD 31 13:45:12.6.2.0.3.85S.0.2.152.8E.0.4.h35km.n9. r149/6. mb3.6/5. New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

ICD 31 13:52:03.5.0.8.13.22N.50.92E.h0km.mb3.8/12. mb1 4.0/13. mb1mx3.8/52. mbtmp3.9/13. ML4.4/1. MS3.7/9. Ms1 3.7/9. ms1mx3.4/36. Error ellipse: s-maj=21.9km s-min=18.0km az=145.0

ICJCB 31 13:52:04.2.0.6.13.27N.0.10.50.87E.0.08.h16km. mb3.8/13. MS3.5/6. Error ellipse: s-maj=15.1km s-min=10.7km az=154.3

NEIC 31 13:52:05.0.0.4.13.24N.50.91E.h10km.mb4.0/1. Error ellipse: s-maj=10.5km s-min=7.4km az=154.0

ICD 31 13:52:06.0.0.8.13.24N.50.91E.0.10.h16km.n32. r0566/21. mb3.9/13. MS3.5/6. Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

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Table with columns: ASAR, NV01, NVAR, Code, Station Name, Az, Phase ID, Time Res, and other technical details.

ICD 31 13:53:25.4.1.1.13.17N.50.87E.h0km.mb3.7/9. mb1 3.9/10. mb1mx3.6/55. mbtmp3.8/10. ML3.9/1. MS3.3/2. Ms1 3.3/2. ms1mx2.8/33. Error ellipse: s-maj=32.0km s-min=21.8km az=180.0

ISCJCB 31 13:53:26.1.0.6.13.22N.0.1.50.82E.0.08.h16km. mb3.9/12. MS3.4/2. Error ellipse: s-maj=17.4km s-min=11.1km az=173.6

NEIC 31 13:53:26.8.1.1.13.12N.50.85E.h10km.mb4.3/3. Error ellipse: s-maj=36.0km s-min=20.2km az=169.0

ISC 31 13:53:28.0.9.13.22N.0.2.50.9E.0.1.h16km.n22. r1500/17. mb4.0/12. Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

NEIC 31 14:01:09.8.0.2.24.22Sx111.775W.h10km.mb5.2/22. Error ellipse: s-maj=6.3km s-min=4.0km az=63.0

ICD 31 14:01:09.0.0.6.24.25Sx111.84W.h0km.mb4.5/26. mb1 4.6/26. mb1mx4.6/37. mbtmp4.5/26. MS4.5/10. Ms1 4.5/10. ms1mx4.4/52. Error ellipse: s-maj=19.6km s-min=13.6km az=53.0

ISCJCB 31 14:01:09.0.0.3.24.07S.0.04.111.70W.0.05.h10km. mb5.0/23. MS4.6/20. Error ellipse: s-maj=7.3km s-min=4.0km az=142.3

MOS 31 14:01:10.2.0.9.23.87Sx111.44W.h10km.mb5.2/38. Error ellipse: s-maj=16.2km s-min=7.8km az=86.8

BUI 31 14:01:12.0.0.0.24.20Sx111.80W.h10km.mb5.2/9. MS5.2/18. Ms7 5.0/17

GCMT 31 14:01:12.8.0.1.24.38S.0.01x111.76W.0.01.h16km. MW5.2/129. Moment Tensor Solution. s77,c122. s129,c219. Duration: 1.90. Moment tensor: Scale 10^16 Nm; Mw=1.22; L3: Mw=4.09; L2: Mw=5.30; L1: Mw=1.42; S3: Mw=7.13; L2: Mw=0.83; S5: Best double couple: Mb=8.73300x1015 Np1.164.00000. 881.00000. 1.70.00000. NP2.0.73.00000. 880.00000. 1.9.00000.

Principal axes: T 9.1430, P1g1.00000, Azm298.00000; N -0.8300, P1g7.00000, Azm206.00000; P -8.3230, P1g13.00000, Azm28.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 31 14:01:10.7.0.3.24.30S.0.06.111.66W.0.07.h10km. n887. r1926/882. mb5.2/239. MS4.7/20. 2C-1D, Easter Island region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, and other technical details.

1649 **2013 JUL** 31d 14h

JTS	Las Juntas de	43.15	40	P	P	14 09 14.1	+2.3
JTS	Las Juntas de	43.15	40	eP	P	14 09 11.9	+0.1
JTS	Las Juntas de	43.15	40	iP	P	14 09 09.1	-2.7
JTS	Las Juntas de	43.15	40	pmax	pmax		
TLIG	Tiapa	43.53	18	eP	P	14 09 14.6	-0.2
TROA	Trombet	44.17	120	eP	P	14 09 22.3	+2.5
APG	El Apazote	42.21	30	eP	P	14 09 21.8	+1.3
APG						14 23 13.7	
ESPN	Las Esperanzas	45.05	39	eP	P	14 09 28.2	+1.2
ROSC	El Rosal	46.48	56	P	P	14 09 41.5	+2.7
ROSC						14 25 43.0	
CPUP	Villa Florida	48.85	104	P	P	14 09 56.0	-0.8
CPUP						14 26 53.8	
CPUP	Villa Florida	48.85	104	eP	P	14 09 56.8	+0.1
CPUP	Villa Florida	48.85	104	eP	P	14 09 56.8	+0.1
CPUP	Villa Florida	48.85	104	eP	P	14 09 56.9	+0.2
TEIG	Tepich	49.77	29	eP	P	14 10 03.7	+0.1
TEIG						14 10 03.7	+0.1
PMSA	Palmer Station	50.70	156	eP	P	14 10 14.5	+4.4
AQDB	Aquidauana	51.59	98	eP	P	14 10 18.4	+0.8
SDV	Santo Domingo	51.87	56	eP	P	14 10 19.9	0.0
SDV	Santo Domingo	51.87	56	eP	P	14 10 20.4	+0.5
SALV	Santo Antonio	52.93	92	eP	P	14 10 27.7	+0.1
ITAB	Concordia	53.25	107	eP	P	14 10 31.2	+1.4
833A	Chaparral WMA	53.64	13	P	P	14 10 32.4	-0.1
PTGB	Pitang	53.83	104	eP	P	14 10 35.4	+1.2
TXAR	Lajitas Array	53.88	9	P	P	14 10 34.5	+0.2
TXAR						14 29 23.3	
TX31	Lajitas Ar. Si	53.88	9	eP	P	14 10 33.2	-1.1
CNBL	Canela	53.98	110	eP	P	14 10 37.1	+1.8
CLDB	Colider	54.57	96	eP	P	14 10 39.3	+0.3
PTGA	Pitinga	55.20	73	eP	P	14 10 43.6	-0.6
PTGA	Pitinga	55.20	73	eP	P	14 10 44.5	+0.4
319A	Douglas	55.41	2	eP	P	14 10 44.8	-0.6
JCT	Junction City	55.64	12	eP	P	14 10 46.5	-0.5
JCT	Junction City	55.64	12	eP	P	14 10 46.5	-0.5
JCT	Junction City	55.64	12	P	P	14 10 46.7	-0.3
214A	Organ Pipe Nat	55.95	359	P	P	14 10 48.9	-0.3
HKT	Hockley	56.04	17	eP	P	14 10 49.5	-0.2
HKT	Hockley	56.04	17	eP	P	14 10 49.5	-0.2
HKT	Hockley	56.04	17	eP	P	14 10 51.4	-0.3
TUC	Tucson	56.30	1	eP	P	14 10 51.4	-0.3
TUC	Tucson	56.30	1	eP	P	14 10 51.4	-0.3
TUC	Tucson	56.30	1	P	P	14 10 51.8	+0.1
FRTB	Fartura	56.38	103	eP	P	14 10 54.7	+2.1
435B	Jarell	56.41	15	P	P	14 10 52.5	+0.1
GD2L	Guadalupe Moun	56.62	7	eP	P	14 10 53.2	-0.8
ITRB	Iurama	56.63	98	eP	P	14 10 55.0	+0.5
121A	Cookes Peak, D	56.64	4	P	P	14 10 54.0	+0.3
113A	Mohawk Valley	56.79	358	eP	P	14 10 53.4	-1.6
IKP	In-Ko-Pah, Jac	56.79	356	P	P	14 10 55.2	-0.1
BAR	Barrett	56.87	355	eP	P	14 10 54.5	-1.2
MONP2	Monument Peak	57.06	355	P	P	14 10 57.1	+0.1
SWSC	Sam W. Stewart	57.06	356	P	P	14 10 57.1	+0.1
GLA	Glamis	57.11	357	P	P	14 10 57.6	+0.1
SCI2	San Clemente I	57.34	353	P	P	14 10 59.0	0.0
WHTX	Lake Whitney	57.60	14	P	P	14 11 00.0	-0.8
CIS	Catalina Islan	57.74	353	P	P	14 11 01.5	-0.3
BC3	Big Chuckawall	57.75	356	P	P	14 11 01.6	-0.5
ABTX	Abilene, Hawle	57.76	12	eP	P	14 11 00.6	-1.4
ABTX	Abilene, Hawle	57.76	12	P	P	14 11 01.4	-0.6
PFO	Pinyon Flats O	57.77	355	P	P	14 11 01.9	-0.3
PFO	Pinyon Flats O	57.77	355	P	P	14 11 02.1	-0.1
Y12C	Blythe	57.80	357	eP	P	14 11 01.1	-1.1
Y12C	Blythe	57.80	357	P	P	14 11 01.9	-0.3
BB19B	Bebedouro	57.90	100	eP	P	14 11 03.6	+0.2
NATX	Nacogdoches	58.07	17	P	P	14 11 04.4	+0.2
BELC	Belle Mtn. Jos	58.13	356	P	P	14 11 03.8	-0.9
059Z	Ave Maria	58.20	32	P	P	14 11 05.0	-0.2
Y22D	IRIS PASSCAL I	58.23	5	P	P	14 11 05.0	-0.5
IRM	Iron Mountain	58.23	357	P	P	14 11 05.1	-0.2
LENM	Lemitar	58.31	5	eP	P	14 11 05.5	-0.5
BNM	Barren Site	58.33	5	eP	P	14 11 04.5	-1.7
PDMCI	Parker Dam,Lak	58.33	358	P	P	14 11 06.3	+0.4
RCLB	Rio Claro- Sao	58.42	102	eP	P	14 11 09.0	+1.9
SC2Z	Santa Cruz Isl	58.47	352	P	P	14 11 06.1	-0.8
BFSO	Mount Baldy Ra	58.50	354	P	P	14 11 06.9	-0.3
MWC	Mount Wilson	58.52	354	eP	P	14 11 06.0	-1.5
MWC	Mount Wilson	58.52	354	eP	P	14 11 06.0	-1.5
X18A	Snowflake	58.53	2	eP	P	14 11 06.1	-1.5
MSTX	Muleshoe	58.56	9	eP	P	14 11 06.0	-1.6
MSTX	Muleshoe	58.56	9	P	P	14 11 06.1	-1.6
VAO	Valinhos	58.77	103	eP	P	14 11 10.8	+1.2
NEE2	Needles Airpor	58.81	357	P	P	14 11 09.2	-0.1
059A	Moore Haven	58.87	32	P	P	14 11 09.3	-0.6
GMRC	Granite Mounta	58.88	356	P	P	14 11 09.9	-0.1
SBC	Santa Barbara	58.92	352	P	P	14 11 08.9	-1.1
HEC	Hector,Ludlow	58.97	356	P	P	14 11 10.3	-0.2
958A	Waucuhula	59.10	31	P	P	14 11 11.8	+0.4
W13A	Hualapai Mount	59.11	358	eP	P	14 11 11.1	-0.6
W18A	Petrified Fore	59.12	2	P	P	14 11 11.7	0.0

ANMO	Albuquerque	59.13	5	P	P	14 11 10.8	-1.0
ANMO	Albuquerque	59.13	5	eP	P	14 11 09.9	-1.8
ANMO	Albuquerque	59.13	5	iP	P	14 11 10.2	-1.5
ANMO	Albuquerque	59.13	5	pmax	pmax		
ANMO	Albuquerque	59.13	5	P	P	14 11 11.0	-0.7
LDFC	Landfair	59.15	357	eP	P	14 11 11.8	0.0
EDWZ	Edwards Air Fo	59.16	354	P	P	14 11 11.5	-0.3
PKM	McPherson Peak	59.37	352	P	P	14 11 13.2	-0.2
GSC	Goldstone, Bar	59.48	355	eP	P	14 11 12.4	-1.6
GSC	Goldstone, Bar	59.48	355	eP	P	14 11 12.4	-1.6
GSC	Goldstone, Bar	59.48	355	P	P	14 11 13.7	-0.3
WUJAZ	Wupatki	59.49	0	eP	P	14 11 13.1	-1.1
WUJAZ	Wupatki	59.49	0	P	P	14 11 13.8	-0.4
TUQ	Turquoise Moun	59.55	356	P	P	14 11 14.3	-0.3
449A	Tepe	59.55	24	P	P	14 11 13.7	-0.8
AMTX	Amarillo	59.62	10	eP	P	14 11 13.9	-1.1
AMTX	Amarillo	59.62	10	P	P	14 11 14.1	-0.9
DWPF	Disney Wildern	59.70	31	eP	P	14 11 15.4	-0.1
LRMC	Laurie Mtn Rad	59.73	354	P	P	14 11 15.4	-0.4
SMCC	Simmler	59.81	352	P	P	14 11 16.7	+0.4
PARB	Parabona	59.88	104	eP	P	14 11 19.1	+2.0
WMOK	Wichita Mounta	59.97	12	eP	P	14 11 15.8	-1.6
WMOK	Wichita Mounta	59.97	12	eP	P	14 11 15.8	-1.6
WMOK	Wichita Mounta	59.97	12	P	P	14 11 15.5	-1.8
ISA	Isabella, Lake	59.99	354	eP	P	14 11 17.3	-0.2
ISA	Isabella, Lake	59.99	354	P	P	14 11 17.3	-0.2
451A	Vernon	59.99	26	P	P	14 11 16.9	-0.6
Z41A	Riceland Creek	59.99	18	P	P	14 11 16.8	-0.7
BDFB	Brasilila	60.01	95	P	P	14 11 18.6	+0.4
BDFB	Brasilila	60.01	95	eP	P	14 11 17.5	-0.7
BDFB	Brasilila	60.01	95	eP	P	14 11 17.5	-0.7
SHOC	Shoshone, Tecco	60.03	356	P	P	14 11 17.2	-0.5
349A	Repton	60.09	24	P	P	14 11 18.0	-0.2
757A	Oxford	60.10	30	P	P	14 11 18.1	-0.3
553A	Crawfordville	60.15	27	P	P	14 11 19.5	+0.9
VES	Vestal, Richgr	60.23	353	P	P	14 11 18.6	-0.4
PAGB	Antelope Grade	60.26	352	eP	P	14 11 18.3	-1.0
656A	Willston	60.26	29	P	P	14 11 18.9	-0.5
656A	Willston	60.26	29	P	P	14 11 18.9	-0.5
MPMC	Marcel Prospec	60.29	355	P	P	14 11 19.6	-0.1
554A	Perry	60.38	28	P	P	14 11 19.2	-0.9
U15A	North Rim	60.41	359	eP	P	14 11 19.4	-1.2
452A	Marianna	60.42	26	P	P	14 11 20.7	+0.2
350A	Dozier	60.48	25	P	P	14 11 20.2	-0.6
PMNB	Patos De Minas	60.52	98	eP	P	14 11 23.2	+1.5
758A	Lake Helen	60.52	31	P	P	14 11 20.0	-1.2
SHPR	Sheep Range	60.57	357	eP	P	14 11 21.5	-0.1
FURC	Furnace Creek,	60.64	355	P	P	14 11 21.6	-0.3
249A	Camden	60.68	24	P	P	14 11 21.6	-0.6
555A	McAlpin	60.72	28	P	P	14 11 22.1	-0.3
CWC	Cottonwood Cre	60.72	354	P	P	14 11 22.3	-0.4
657A	Interlachen	60.74	30	P	P	14 11 22.3	-0.4
453A	Whigham	60.78	27	P	P	14 11 22.3	-0.6
556A	Lake Butler	60.86	29	P	P	14 11 23.5	+0.1
454A	Quitman	60.95	28	P	P	14 11 23.5	-0.5
MIAR	Mount Ida	60.99	17	eP	P	14 11 23.0	-1.3
MIAR	Mount Ida	60.99	17	eP	P	14 11 23.0	-1.3
MIAR	Mount Ida	60.99	17	P	P	14 11 23.4	-0.9
250A	Grady	61.00	25	P	P	14 11 24.2	-0.2
KNB	Kanab	61.00	359	eP	P	14 11 23.9	-0.7
LCMT	Little Creek M	61.01	359	eP	P	14 11 23.5	-1.0
ESAR	Angra dos Reis	61.01	104	eP	P	14 1	

255A	Blythe	63.74	27	P	P	14 11 42.4	-0.4
157A	Early Branch	63.77	29	P	P	14 11 43.0	+0.1
CBKS	Cedar Bluff	63.77	10	P	P	14 11 42.2	-0.6
W49A	Belvidere	63.81	23	P	P	14 11 42.2	-0.9
CA01	Campos-RJ	63.82	103	eP	P	14 11 45.7	+2.1
X51A	Calhoun	63.84	24	eP	P	14 11 42.2	-1.1
X51A	Calhoun	63.84	24	eP	P	14 11 42.6	-0.7
NLU	North Lilly Min	63.92	360	eP	P	14 11 42.5	-1.5
PBMO	Poplar Bluff	63.97	19	eP	P	14 11 43.1	-1.1
MPU	Maple Canyon	63.98	0	eP	P	14 11 42.9	-1.6
SWET	Sewanee	64.02	23	eP	P	14 11 42.6	-1.9
Y54A	Tignal	64.07	27	P	P	14 11 44.2	-0.7
PAHR	Pah Rah Range	64.08	353	eP	P	14 11 43.7	-1.4
158A	Hollywood	64.17	29	P	P	14 11 45.1	-0.5
DUG	Dugway, Tooele	64.17	359	eP	P	14 11 44.3	-1.3
DUG	Dugway, Tooele	64.17	359	eP	P	14 11 45.4	-0.2
V48A	Smith Brothers	64.17	22	eP	P	14 11 43.8	-1.7
V48A	Smith Brothers	64.17	22	eP	P	14 11 44.2	-1.2
O20A	White River Cl	64.18	3	P	P	14 11 45.3	-0.4
WVT	Waverly	64.19	21	eP	P	14 11 44.0	-1.6
WVT	Waverly	64.19	21	eP	P	14 11 44.0	-1.6
WVT	Waverly	64.19	21	eP	P	14 11 44.4	-1.2
W50A	Signal Mountai	64.23	24	eP	P	14 11 44.4	-1.6
W50A	Signal Mountai	64.23	24	eP	P	14 11 45.1	-0.9
X52A	Dahlonaga	64.24	25	P	P	14 11 45.5	-0.6
X53A	Estanollee	64.38	26	P	P	14 11 46.4	-0.6
W51A	Cleveland	64.40	24	P	P	14 11 46.0	-1.1
Z57A	Bowman	64.42	29	P	P	14 11 46.3	-0.9
Y55A	Saluda	64.48	27	P	P	14 11 47.0	-0.5
NHSC	New Hope	64.49	29	P	P	14 11 47.1	-0.6
V49A	McMinnville	64.52	23	P	P	14 11 46.7	-1.1
HODGE	Hodges	64.57	27	eP	P	14 11 47.4	-0.7
JLU	Jordanelle	64.57	0	eP	P	14 11 47.1	-1.3
Y56A	Pelion	64.59	28	P	P	14 11 47.6	-0.7
BMN	Battle Mountai	64.61	355	eP	P	14 11 47.4	-1.1
BMN	Battle Mountai	64.61	355	eP	P	14 11 47.4	-1.1
KSU1	Kansas State U	64.62	13	P	P	14 11 47.1	-1.3
SBA	Scott Base	64.64	193	eP	P	14 11 48.1	0.0
W52A	Murphy	64.65	25	eP	P	14 11 47.5	-1.2
W52A	Murphy	64.66	25	eP	P	14 11 48.2	-0.6
CLTN	Cedars of Leba	64.66	23	eP	P	14 11 47.6	-1.1
RPZ	Rata Peaks	64.70	231	P	P	14 11 49.5	+0.5
V50A	Pikeville	64.73	24	eP	P	14 11 48.3	-0.8
CPCT	Cooper Cave	64.75	24	eP	P	14 11 48.2	-1.0
X54A	Belton	64.79	27	P	P	14 11 48.5	-1.1
ELK	Elko	64.80	357	P	P	14 11 50.0	+0.2
ELK	Elko	64.80	357	eP	P	14 11 48.6	-1.2
Z58A	St. Stephen	64.85	29	P	P	14 11 49.5	-0.5
BGU	Big Grassy Mou	64.91	359	eP	P	14 11 48.6	-1.8
CCM	Cathedral Cave	64.92	18	eP	P	14 11 47.9	-2.5
CCM	Cathedral Cave	64.92	18	eP	P	14 11 47.9	-2.5
CCM	Cathedral Cave	64.92	18	eP	P	14 11 49.2	-1.1
BG3	Lake Jocassee	64.96	26	eP	P	14 11 49.9	-0.8
O02D	Mt. Diablo Mer	64.98	351	P	P	14 11 49.5	-1.3
Z59A	Georgetown, SC	65.01	30	P	P	14 11 50.6	-0.4
W53A	Cullowhee	65.02	26	P	P	14 11 50.7	-0.6
JSC	Jenkinsville	65.03	28	eP	P	14 11 50.3	-0.8
JSC	Jenkinsville	65.03	28	eP	P	14 11 50.3	-0.8
X55A	Gracelyn & Ava	65.03	27	P	P	14 11 50.6	-0.5
N23A	Red Feather La	65.08	5	P	P	14 11 51.3	-0.4
V51A	Loudon	65.12	24	eP	P	14 11 50.3	-1.4
V51A	Loudon	65.12	24	eP	P	14 11 50.8	-0.9
KMRM	Mail Ridge	65.17	350	eP	P	14 11 51.1	-0.9
S44A	Carbondale	65.17	19	eP	P	14 11 50.6	-1.3
Y57A	Sumter	65.17	28	P	P	14 11 51.5	-0.6
SJMB	Sao Joao De Ma	65.20	100	eP	P	14 11 53.0	+0.3
SIUC	Southern Illin	65.20	19	eP	P	14 11 50.7	-1.4
T47A	Sharon Grove	65.21	21	eP	P	14 11 51.0	-1.2
T47A	Sharon Grove	65.21	21	eP	P	14 11 51.1	-1.2
TKL	Tuckaleechee C	65.21	25	P	P	14 11 51.4	-0.9
U49A	Red Boiling Sp	65.23	23	P	P	14 11 51.0	-1.5
PAULI	Pauline	65.26	27	eP	P	14 11 51.7	-1.0
X56A	White Oak	65.30	28	P	P	14 11 52.5	-0.5
W54A	Cherokee Point	65.34	26	P	P	14 11 52.6	-0.6
WDC	Whiskeytown Da	65.34	351	eP	P	14 11 52.1	-0.9
WDC	Whiskeytown Da	65.34	351	eP	P	14 11 52.1	-0.9
Y58A	Scranton	65.39	29	P	P	14 11 53.3	-0.2
V52A	Sevierville	65.44	25	P	P	14 11 52.7	-1.2
BSFB	Barra de Sao F	65.46	100	eP	P	14 11 56.5	+2.1
U50A	Jamestown	65.48	24	P	P	14 11 52.7	-1.4
OGNE	Ogallala	65.53	8	P	P	14 11 52.7	-1.7
HWUT	Hardware Ranch	65.57	0	eP	P	14 11 53.3	-1.5
V53A	Saluda	65.60	26	eP	P	14 11 53.7	-1.2
V53A	Saluda	65.60	26	eP	P	14 11 54.3	-0.6
BIRD	Birdtown, Kers	65.68	28	eP	P	14 11 54.4	-0.9

X57A	Johnson Farm,	65.68	28	P	P	14 11 54.9	-0.5
RIB01	Linhares ES	65.71	101	eP	P	14 11 57.5	+1.5
KM5C	Kings Mountain	65.70	27	eP	P	14 11 54.7	-1.0
KM5C	Kings Mountain	65.74	27	P	P	14 11 55.3	-0.5
N02D	Trinity Center	65.75	351	P	P	14 11 54.9	-0.9
U51A	La Follette	65.76	24	P	P	14 11 54.9	-1.0
KHMM	Horse Mountain	65.81	350	eP	P	14 11 54.8	-1.4
Y59A	Loris	65.82	30	P	P	14 11 55.8	-0.5
T49A	Edmonton	65.85	23	eP	P	14 11 54.8	-1.6
T49A	Edmonton	65.85	23	eP	P	14 11 56.6	+0.1
QSPA	South Pole Qui	65.86	180	eP	P	14 11 56.2	-0.2
U52A	Thorn Hill	66.02	25	P	P	14 11 56.5	-1.0
T50A	Nancy	66.02	23	P	P	14 11 56.3	-1.3
V54A	Nebo	66.03	26	P	P	14 11 57.0	-0.7
W56A	Indian Trail	66.04	28	P	P	14 11 57.0	-0.7
TZTN	Tazewell	66.08	25	eP	P	14 11 56.6	-1.3
TZTN	Tazewell	66.08	25	eP	P	14 11 57.3	-0.6
X58A	Rowland	66.09	29	P	P	14 11 57.8	-0.2
Y60A	Bolivia	66.13	30	P	P	14 11 57.3	-0.9
M02C	Callahan	66.18	351	P	P	14 11 58.9	+0.3
U53A	Fall Branch	66.30	25	P	P	14 11 58.1	-1.2
T51A	Gray	66.30	24	P	P	14 11 58.3	-1.1
W57A	Gilead	66.31	28	eP	P	14 11 57.4	-2.0
W57A	Gilead	66.31	28	eP	P	14 11 58.6	-0.8
MOD	Modoc Plateau	66.35	353	eP	P	14 11 58.0	-1.8
V55A	Taylorville	66.40	27	P	P	14 11 59.1	-0.9
KRMB	Red Mountain	66.47	350	eP	P	14 11 59.1	-1.4
YBH	Yreka Blue Hor	66.49	351	P	P	14 11 59.6	-0.9
W58A	Raeform	66.53	29	P	P	14 12 00.6	-0.2
S49A	Springfield	66.55	23	P	P	14 11 59.5	-1.4
BGNE	Belgrade	66.57	11	P	P	14 12 00.5	-0.5
WCI	Wyandotte Cave	66.60	22	P	P	14 11 59.6	-1.6
V56A	Mocksville	66.66	27	eP	P	14 11 59.8	-1.8
V56A	Mocksville	66.66	27	eP	P	14 12 01.0	-0.7
WVOR	Wild Horse Val	66.71	354	eP	P	14 12 00.0	-2.0
WVOR	Wild Horse Val	66.71	354	eP	P	14 12 00.0	-2.0
X60A	Albert Glenn T	66.72	30	P	P	14 12 01.1	-0.9
U54A	Nelsons Funny	66.73	26	eP	P	14 12 00.8	-1.4
U54A	Nelsons Funny	66.73	26	eP	P	14 12 01.1	-1.0
BW06	Boulder Array	66.76	2	eP	P	14 12 00.1	-2.3
BW06	Boulder Array	66.76	2	eP	P	14 12 00.1	-2.3
PD31	Pinedale Array	66.76	2	eP	P	14 12 00.0	-2.4
PDAR	Pinedale Array	66.76	2	eP	P	14 12 00.7	-1.8
S50A	Richmond	66.77	23	P	P	14 12 00.9	-1.4
K22A	Casper	66.78	4	eP	P	14 12 00.0	-2.5
K22A	Casper	66.78	4	eP	P	14 12 01.5	-1.0
T52A	Hallie	66.79	25	eP	P	14 11 60.0	-2.5
T52A	Hallie	66.79	25	eP	P	14 12 01.7	-0.7
T53A	Wise	66.85	25	P	P	14 12 02.1	-0.8
P43A	Skaggs, Pawnee	66.89	18	P	P	14 12 01.8	-1.2
L04D	Klamath Falls	67.01	351	P	P	14 12 02.2	-1.1
W59A	Clinton	67.00	29	P	P	14 12 03.1	-0.7
U55A	TA2, Sparta	67.03	26	P	P	14 12 03.3	-0.7
V57A	Coltrane Farms	67.03	28	P	P	14 12 03.2	-0.8
S51A	Beaverville	67.03	24	eP	P	14 12 02.4	-1.6
S51A	Beaverville	67.03	24	eP	P	14 12 02.7	-1.2
R49A	Shelbyville	67.04	22	eP	P	14 12 02.2	-1.8
R49A	Shelbyville	67.04	22	eP	P	14 12 02.2	-1.8
L02E	Cave Junction	67.04	350	P	P	14 12 04.0	0.0
U56A	King	67.16	27	P	P	14 12 03.9	-1.0
V58A	Windy Hill, Pi	67.23	28	P	P	14 12 04.5	-0.8
W60A	Pink Hill	67.23	30	P	P	14 12 05.0	-0.3
S52A	Salyersville	67.25	24	P	P	14 12 04.8	-0.6
T54A	Tazewell	67.30	26	P	P	14 12 04.9	-0.8
CNCC	Cliffs of the	67.31	30	P	P	14 12 05.9	+0.2
R50A	Paris	67.33	23	eP	P	14 12 04.0	-1.8
R50A	Paris	67.33	23	eP	P	14 12 04.3	-1.5
REDW	Red Top Meadow	67.33	1	eP	P	14 12 04.3	-1.7
HUMO	Hull Mountain	67.39	351	eP	P	14 12 04.6	-1.6
Q48A	North Vernon	67.42	22	eP	P	14 12 05.2	-1.2
TPAW	Teton Pass	67.46	1	eP	P	14 12 05.2	-1.7
N40A	Mertquake, Sal	67.48	16	P	P	14 12 05.4	-1.4
MFID	Old Cars Ranch	67.49	357	eP	P	14 12 05.5	-1.4
N41A	Harden Midland	67.51	17	eP	P	14 12 05.8	-1.1
N41A	Harden Midland	67.51	17	eP	P	14 12 05.8	-1.1
P46A	Rosedale	67.56	20	P	P	14 12 06.4	-0.9
HLID	Hailey	67.58	358	eP	P	14 12 06.2	-1.3
HLID	Hailey	67.58	358	eP	P	14 12 07.3	-0.2
K02D	Willamette Mer	67.58	350	P	P	14 12 05.4	-2.0
LOHW	Long Hollow	67.58	1	eP	P	14 12 04.9	-2.7
V59A	Middlesex	67.59	29	P	P	14 12 06.9	-0.7
R51A	Hillboro	67.61	24	P	P	14 12 06.4	-1.2
J08A	Circle Bar Ran	67.62	355	eP	P	14 12 05.8	-1.9
T55A	Pulaski	67.66	26	P	P	14 12 07.2	-0.8

O44A	Mansfield	67.67	19	P	P	14 12 06.5	-1.4
U57A	Blanch	67.68	28	P	P	14 12 07.5	-0.5
MOOW</							

P53A	Whipple	69.47	25	P	P	14 12 18.4	-0.8
ACSO	Alum Creek Sta	69.54	23	P	P	14 12 18.5	-1.2
BOZ	Bozernn (W)	69.56	0	eP	P	14 12 17.5	-2.4
BOZ	Bozernn (W)	69.56	0	eP	P	14 12 17.5	-2.4
BOZ	comp=Z,9.0nm,1.3s				pmax		
BOZ	comp=Z,9.0nm,1.3s	69.56	0	P	P	14 12 19.2	-0.6
G08A	Pilot Rock	69.58	355	eP	P	14 12 19.2	-0.7
R58B	Mineral	69.59	28	eP	P	14 12 18.2	-1.8
R58B	Mineral	69.59	28	P	P	14 12 19.3	-0.6
R57A	Stanardville	69.60	27	P	P	14 12 19.3	-0.7
O51A	Pataskala	69.60	23	P	P	14 12 18.7	-1.3
M47A	Cromwell	69.65	21	P	P	14 12 19.0	-1.2
L44A	Lake County Fo	69.69	19	P	P	14 12 19.1	-1.4
N49A	Columbus Grove	69.73	22	P	P	14 12 19.4	-1.4
R58A	Rapid	69.82	28	P	P	14 12 20.4	-1.0
O52A	Adamsville	69.86	24	eP	P	14 12 20.2	-1.4
O52A	Adamsville	69.86	24	P	P	14 12 20.6	-1.0
O56A	Snyder Ridge	69.96	26	P	P	14 12 21.8	-0.4
N50A	Nevada	69.96	23	P	P	14 12 21.3	-0.9
CBN	Corbin Frederi	70.01	28	P	P	14 12 21.8	-0.7
L46A	Eue Claire	70.03	20	P	P	14 12 21.3	-1.3
M48A	Edgerton	70.06	21	P	P	14 12 21.8	-1.0
K43A	Burlington	70.06	18	P	P	14 12 21.8	-1.0
P55A	Reedsville	70.10	26	P	P	14 12 22.8	-0.3
R59A	King George, V	70.12	28	P	P	14 12 22.8	-0.4
F10A	Beach Ranch, E	70.12	356	eP	P	14 12 21.9	-1.3
O53A	New Philadelph	70.20	24	P	P	14 12 23.4	-0.4
MCWV	Mont Chateau	70.22	26	eP	P	14 12 23.4	-0.5
MCWV	Mont Chateau	70.22	26	P	P	14 12 23.2	-0.6
Q57A	Strasburg	70.27	27	P	P	14 12 24.2	0.0
M49A	Liberty Center	70.30	22	P	P	14 12 23.3	-0.9
S61A	Accomac	70.33	30	P	P	14 12 24.0	-0.5
L47A	Cherwood	70.34	21	P	P	14 12 23.4	-1.1
N51A	Ashland	70.36	23	eP	P	14 12 22.9	-1.7
N51A	Ashland	70.36	23	P	P	14 12 23.4	-1.3
R60A	Leonardtown, M	70.41	29	P	P	14 12 24.7	-0.2
O54A	Avella	70.46	25	P	P	14 12 25.0	-0.3
P56A	Dayton Farm, R	70.49	26	P	P	14 12 25.0	-0.5
Q58A	Fox Den Farm,	70.50	28	P	P	14 12 25.2	-0.3
N52A	McGinn's Farm,	70.52	24	P	P	14 12 25.0	-0.7
M50A	Fremont	70.55	22	P	P	14 12 25.0	-0.8
L48A	N Adams	70.56	21	P	P	14 12 24.6	-1.3
HRV	Holter Researc	70.68	360	eP	P	14 12 24.9	-1.8
M51A	Elyria	70.80	23	P	P	14 12 26.8	-0.6
K46A	Dorr	70.80	20	P	P	14 12 26.0	-1.3
F04D	Rainier, OR	70.80	352	P	P	14 12 26.8	-0.4
P57A	Homestead Farm	70.81	27	P	P	14 12 27.2	-0.2
M50	Missoula	70.83	358	eP	P	14 12 25.5	-2.0
M50	Missoula	70.83	358	P	P	14 12 26.7	-0.8
LAO	LASA Array	70.83	4	eP	P	14 12 25.1	-2.3
LAO	LASA Array	70.83	4	P	P	14 12 26.4	-1.0
N53A	Lisbon	70.83	24	eP	P	14 12 26.9	-0.6
N53A	Lisbon	70.83	24	P	P	14 12 27.4	-0.1
Q59A	Harwood	70.87	28	P	P	14 12 27.2	-0.6
I41A	Arkdale	70.90	16	P	P	14 12 27.3	-0.6
O55A	Ligonier	70.91	26	P	P	14 12 27.4	-0.6
L49A	Milan	70.93	22	P	P	14 12 27.5	-0.6
YN3A	Neumayer Olymp	70.98	160	P	P	14 12 27.5	-0.7
H42A	Dragage Farm,	71.00	17	P	P	14 12 27.7	-0.8
PLIO	Pelee Island,	71.01	23	P	P	14 12 27.5	-1.0
R61A	Willard	71.01	30	P	P	14 12 28.7	+0.1
K47A	Vermontville	71.03	20	P	P	14 12 27.5	-1.2
P58A	Pank, Wackersv	71.11	27	P	P	14 12 28.8	-0.5
AAM	Ann Arbor	71.14	22	P	P	14 12 28.6	-0.8
L50A	Kingsville	71.20	22	P	P	14 12 28.6	-1.1
E04D	Cinebar	71.21	352	P	P	14 12 29.3	-0.4
O56A	Blue Knob Stat	71.25	26	eP	P	14 12 29.7	-0.5
O56A	Blue Knob Stat	71.25	26	P	P	14 12 29.7	-0.5
M52A	Chesterland	71.28	24	eP	P	14 12 28.4	-1.9
M52A	Chesterland	71.28	24	P	P	14 12 29.6	-0.7
N54A	Moraine State	71.29	25	P	P	14 12 30.3	0.0
J45A	Montague	71.30	19	P	P	14 12 29.7	-0.6
SPMN	Marine on St.	71.30	14	P	P	14 12 29.7	-0.5
LON	Longmire	71.31	353	eP	P	14 12 29.0	-1.4
LON	Longmire	71.31	353	eP	P	14 12 29.0	-1.4
Q60A	Greensboro	71.34	29	P	P	14 12 29.7	-0.9
K48A	Perry	71.44	21	P	P	14 12 30.5	-0.6
M53A	W Miller and	71.44	24	P	P	14 12 30.4	-0.8
J46A	Howard City	71.44	20	P	P	14 12 30.0	-0.9
N55A	Marion Center	71.52	26	eP	P	14 12 30.6	-1.1
N55A	Marion Center	71.52	26	P	P	14 12 31.5	-0.3
O57A	Amberson	71.58	27	P	P	14 12 31.6	-0.5
P59A	Jarrettsville	71.58	28	P	P	14 12 31.5	-0.6
J47A	Sumner	71.60	20	eP	P	14 12 30.6	-1.5
J47A	Sumner	71.60	20	P	P	14 12 31.6	-0.5

K49A	Clarkson	71.64	22	P	P	14 12 31.6	-0.7
G39A	Holcombe	71.73	15	P	P	14 12 32.4	-0.4
O58A	Levin	71.81	27	P	P	14 12 33.1	-0.3
ALLY	Alegheny Colle	71.82	24	eP	P	14 12 32.2	-1.3
SSPA	Standing Stone	71.84	26	eP	P	14 12 31.3	-2.4
SSPA	Standing Stone	71.84	26	P	P	14 12 33.1	-0.5
H43A	Windswept, Lux	71.84	18	P	P	14 12 32.6	-1.0
D04E	Lakebay	71.85	352	P	P	14 12 33.3	-0.2
M54A	Oil Creek Stat	71.88	25	eP	P	14 12 31.4	-2.5
M54A	Oil Creek Stat	71.88	25	P	P	14 12 33.3	-0.6
NBMO	Morrinhos-CE	71.89	85	eP	P	14 12 34.8	+0.2
N56A	West Decatur	71.91	26	P	P	14 12 33.6	-0.6
K50A	Casco	71.91	22	P	P	14 12 33.4	-0.6
G40A	Rib Lake	71.95	16	eP	P	14 12 32.0	-2.2
G40A	Rib Lake	71.95	16	P	P	14 12 33.5	-0.7
PAGS	Pennsylvania G	71.98	27	eP	P	14 12 33.1	-1.3
J48A	Bridge Port	71.99	21	eP	P	14 12 34.1	-0.4
J48A	Bridge Port	71.99	21	P	P	14 12 34.4	-0.1
EGMT	Eagleton	72.01	1	eP	P	14 12 33.4	-1.2
EGMT	Eagleton	72.01	1	P	P	14 12 33.6	-1.0
C09A	Chrisman Ranch	72.01	355	eP	P	14 12 33.4	-1.1
L53A	Girard	72.04	24	P	P	14 12 33.9	-0.9
I46A	Reed City	72.04	20	P	P	14 12 34.2	-0.6
N57A	Mill	72.08	27	P	P	14 12 34.1	-0.9
P60A	Greenville	72.09	28	P	P	14 12 34.2	-1.0
M55A	Ridgway	72.19	25	P	P	14 12 35.3	-0.5
NLWA	Neilton Lookou	72.20	351	eP	P	14 12 32.4	-3.3
D03D	Eldon	72.24	352	P	P	14 12 35.2	-0.6
K51A	Iona Station	72.26	23	P	P	14 12 35.3	-0.7
J49A	Marlette	72.26	21	P	P	14 12 35.4	-0.7
ERPA	Erie	72.28	24	P	P	14 12 35.8	-0.5
NEW	Newport	72.40	356	P	P	14 12 35.8	-1.1
NEW	Newport	72.40	356	eP	P	14 12 35.1	-1.8
NEW	Newport	72.40	356	eP	pmax	14 12 35.1	-1.8
NEW	Newport	72.40	356	P	pmax	14 12 36.7	-0.2
I47A	Gladwin	72.40	20	P	P	14 12 36.2	-0.7
M56A	Emporium	72.44	26	P	P	14 12 36.8	-0.4
H45A	Beulah	72.48	19	P	P	14 12 37.4	0.0
N58A	Sunbury	72.49	27	P	P	14 12 36.4	-1.1
K52A	Tilsonburg	72.59	23	P	P	14 12 37.3	-0.8
O60A	Telford	72.61	28	P	P	14 12 37.7	-0.5
MDND	Maddock	72.63	8	P	P	14 12 37.7	-0.5
L54A	Sinclairville	72.64	25	P	P	14 12 37.9	-0.5
H46A	Fife Lake	72.66	19	P	P	14 12 37.8	-0.6
DGMT	Dagmar	72.75	5	eP	P	14 12 36.7	-2.2
DGMT	Dagmar	72.75	5	P	P	14 12 38.5	-0.5
O61A	Allentown	72.80	29	P	P	14 12 38.8	-0.5
I48A	Shenann Twp	72.81	21	P	P	14 12 39.0	-0.4
SNA	Sanae	72.84	162	P	P	14 12 38.5	-0.9
SNA	Sanae	72.84	162	eP	P	14 12 38.3	-1.1
SNA	Sanae	72.84	162	eP	pmax	14 12 38.3	-1.1
B05A	Bryant	72.84	353	P	P	14 12 38.9	-0.5
LUPA	Lehigh Univers	72.86	28	eP	P	14 12 38.0	-1.7
I49A	Point Hope	72.88	21	P	P	14 12 38.9	-0.8
E38A	The Farm, Brul	72.88	14	eP	P	14 12 38.2	-1.5
E38A	The Farm, Brul	72.88	14	P	P	14 12 39.2	-0.5
L55A	Hinsdale	72.93	25	P	P	14 12 39.9	-0.3
F42A	Maple Grove Fa	72.94	17	P	P	14 12 39.1	-1.0
N59A	State Game Lan	72.95	28	eP	P	14 12 38.9	-1.4
N59A	State Game Lan	72.95	28	P	P	14 12 39.6	-0.7
G45A	Suttons Bay	72.97	19	P	P	14 12 39.9	-0.4
COWI	Cooter	72.99	16	eP	P	14 12 39.4	-1.0
M58A	Price's Panora	73.04	27	P	P	14 12 40.4	-0.4
J52A	Par	73.08	23	P	P	14 12 40.0	-1.0
GLMI	Grayling	73.09	20	P	P	14 12 39.8	-1.2
TYNO	Tyneside	73.17	24	P	P	14 12 40.8	-0.8
K54A	Basiliko Farm,	73.20	25	P	P	14 12 41.2	-0.5
N60A	Cedar Hill Far	73.20	28	P	P	14 12 41.0	-0.8
BASO	Ashfield	73.33	22	P	P	14 12 42.1	-0.3
A04D	Lummi Island	73.36	352	P	P	14 12 42.2	-0.3
I51A	Listowel	73.37	23	P	P	14 12 42.1	-0.7
H48A	Harrisville	73.39	21	P	P	14 12 42.3	-0.5
G46A	Petoscany	73.46	19	P	P	14 12 43.2	0.0
KSPA	Keystone Colle	73.48	27	eP	P	14 12 41.9	-1.5
STCO	Saint Catharin	73.53	24	P	P	14 12 42.8	-0.9
K55A	Perry	73.54	25	P	P	14 12 43.1	-0.6
ACTO	Action	73.55	23	P	P	14 12 42.9	-0.9
ODNJ	Ogdensburg	73.58	28	eP	P	14 12 42.3	-1.7
F45A	CMU Biological	73.60	19	P	P	14 12 43.3	-0.7
MMNY	Mt Morris Dam	73.60	25	eP	P	14 12 41.6	-2.5
M59A	Waymart	73.61	28	P	P	14 12 43.5	-0.7
BRCO	Bruc Peninsul	73.61	22	P	P	14 12 44.1	0.0
AGMN	Agassiz Nation	73.64	11	eP	P	14 12 41.1	-3.1
AGMN	Agassiz Nation	73.64	11	P	P	14 12 43.9	-0.3

G47A	Hillman	73.64	20	P	P	14 12 44.1	-0.1
MEDO	Medina	73.76	25	P	P	14 12 44.3	-0.7
J54A	Appleton	73.78	24	P	P	14 12 44.3	-0.8
E43A							

31d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Bathurst New B, Dease Lake, Casey, etc.

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Table with columns: ARU, Arti, Az, Az', Phase ID, Time, Res. Includes stations like Arti, Lanzhou, Zalesovo Array, etc.

1652

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

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SUJ	0.5nm, 0.3s, baz=60, slow=20, SNR=2.0					
FAKI	Fak Fak 12.44 151 ePn				14 55 43.7 +3.6	
SBUM	Sibu 15.07 249 ePn				14 56 19.5 -1.4	
SOEI	4.7nm, 0.9s					
MTN	Manton Dam 21.33 167 eP				14 57 30.6 +1.0	
NJ2	16nm, 1.0s					
NJ2	Nanjing 24.84 345 eP				14 58 05.8 +1.1	
JNU	comp=Z, 8.0nm, 0.5s					
JNU	Nakatsue 25.29 9 P				14 58 07.8 -1.0	
JNU	1.1nm, 0.3s, baz=312, slow=18, SNR=5.7					
JNU	Nakatsue 25.29 9 eP				14 58 07.8 -1.0	
PMG	Port Moresby 27.09 129 LR				15 11 16.7	
CM31	comp=Z, 4.6nm, 1.9s, baz=279, slow=41					
CM31	Chiang Mai Arr 28.50 294 eP				14 58 38.7 +0.8	
CM31	23nm, 1.5s					
CMAR	comp=Z, 1.1nm, 0.5s					
CMAR	Chiang Mai Arr 28.50 294 eP				14 58 38.7 +0.8	
CMAR	0.5nm, 0.3s, baz=123, slow=7, SNR=8.3					
WR1	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
WR1	Warramunga Arr 28.95 164 eP				14 58 43.5 +1.8	
WRA	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
WRA	Warramunga Arr 28.95 164 P				14 58 43.5 +1.8	
KS15	1.4nm, 0.6s, baz=338, slow=12, SNR=9.7					
KS15	Wonju Array Si 29.27 3 eP				14 58 44.6 +0.2	
KS15	78nm, 1.9s					
KSRS	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
KSRS	Korea Array 29.27 3 P				14 58 44.6 +0.1	
MAJO	1.6nm, 0.8s, baz=178, slow=10, SNR=5.6					
MAJO	Matsushiro 30.35 19 eP				14 58 51.8 -2.2	
MAJR	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
MAJR	Matsushiro Arr 30.35 19 P				14 58 51.8 -2.2	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	1.9nm, 0.8s, baz=189, slow=8, SNR=5.8					
XAN	Xi'an 30.40 31 P				14 58 54.0 -0.5	
XAN	comp=Z, 0.3nm, 0.3s, baz=87, slow=7, SNR=5.2					

31d 16h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EQES, ELOB, OZUM, GUD.

ISC/JB 31 16:23:18.0±0.3, 6.05S:0.03x147.48E±0.05, h77km, mb4.5/38, Error ellipse: s-maj=7.7km s-min=4.2km az=14.9

BUI 31 16:23:17.8±0.0, 6.09S:147.58E, h79km, mb4.7/20, mb4.9/15, MS4.5/1

IDC 31 16:23:18.5±2.1, 6.00S:147.51E, h63km, 20km, mb4.0/18, mb1.4/23, mb1mx4.0/47, mbtmp4.4/23, MS3.1/15, MS1.3/1.15, ms1mx3.0/28, Error ellipse: s-maj=21.2km s-min=11.2km az=84.0

NEIC 31 16:23:19.1±0.7, 6.00S:147.48E, h71km, 6km, mb4.7/18, Error ellipse: s-maj=8.3km s-min=4.7km az=107.0

DJA 31 16:23:19.1±0.6, 6.4S:14.8E, h94km, 6km, M4.7/18, mb5.9/2, mb4.9/18, ML4.6/2, Mw(mb)5.5/2

ISC 31 16:23:19.8±0.4, 6.08S:0.05x147.48E±0.07, h77km, n85, e177/83, mb4.6/38, 1L, Eastern New Guinea region

Main table of station data for the 31d 16h period, including station names, coordinates, and seismic parameters.

2013 JUL

Table of station data for the 2013 JUL period, including station names, coordinates, and seismic parameters.

IDC 31 16:30:38.2±2.9, 3.160N:110.86E, h0km, mb3.8/4, mb1.3/8.6, mb1mx3.5/53, mbtmp3.7/6, ML3.5/2, Error ellipse: s-maj=55.7km s-min=40.8km az=134.0

ISC 31 16:30:38.1±1.0, 3.14N:0.2±11.108E±0.09, h10km, n8, e180/93, mb3.8/4, Southeastern China

Table of station data for the IDC and ISC events in the 2013 JUL period.

NIED 31 16:33:00.44:80N:143.20E, h280km, Mw4.7 Best double couple: Mo:1.5000x10^16 NP1:0.65.00000°, 333.00000°, λ:-161.00000°. NP2:0.319.00000°, 880.00000°, λ:-58.00000°.

BUI 31 16:33:12.2±0.0, 4.4:86N:143.14E, h253km, mb4.9/62, mb4.6/37

ISC/JB 31 16:33:12.5±0.1, 4.4:83N:0.02:143.17E:0.02, h252km, 1km, mb4.6/289, Error ellipse: s-maj=3.2km s-min=2.1km az=162.2

IDC 31 16:33:12.6±1.0, 4.4:86N:143.16E, h238km, 9km, mb4.3/37, mb1.4/47, mb1mx4.4/58, mbtmp4.9/47, Error ellipse: s-maj=8.2km s-min=6.3km az=136.0

MOS 31 16:33:12.2±0.8, 4.4:83N:143.17E, h251km, mb4.6/69, Error ellipse: s-maj=5.8km s-min=4.2km az=102.6

NEIC 31 16:33:13.4±1.6, 4.4:80N:143.20E, h250km, 4km, mb4.7/15, Error ellipse: s-maj=9.3km s-min=8.6km az=217.0

NEIC Recorded [1 JMA] in Aomori, Honshu, JMA 31 16:33:13.2±0.2, 4.4:78N:143.20E, h253km, 2km, M4.5

ISC 31 16:33:13.2±0.3, 4.4348N:0.03:143.19E±0.03, h248km, 3km, h248km, pP, n748, e1:03/818, mb4.6/292, 37C-21D, Hokkaido region

Table of station data for the NEIC and ISC events in the 2013 JUL period.

1654

Main table of station data for the 1654 period, including station names, coordinates, and seismic parameters.

31d 16h

Table with columns: Name, Comp, Time, Status, P, and other details. Includes entries like NIL, KAPI, AKBAR, JRM, AKTO, AKRO, RES, PRGR, PRGR, BBB, BBB, KBL, KBL, YKW3, YKA, YKB5, PSI, PSI, PSI, ARCES, AREO, DAG, DAG, KTK1, MTN, TRO, PWJ, JOF, MDSI, KPJI, NLWA, D03D, STEI, B05A, GEYT, GYA0B, E04D, F04D, C06D, LKRN, LON, LON, LTY, M0R8, I02D, FIA1, FIA0, FIA0, FINES, FINES, FINES, VRH, VRH, F05D, SUMG, SUMG, SUMG, H04D, J01E, I03D, H04A, LPSR, LPSR, G05D, C09A, D08A, K02D, I04A, NEW, NEW, I05D, L02E, H02E, VSR, VSR, J04D, V0RD, V0RD, E09A, PINE, VSU, VSU, NSS, J05D, G08A.

2013 JUL

Table with columns: Name, Comp, Time, Status, P, and other details. Includes entries like KHMM, L04D, YBH, YBH, YBH, M04C, WALA, WRAB, WRAB, WB2, WR1, WRA, F10A, N02D, M04C, WDC, WDC, O02D, AKT, AKT, AKT, BMO, ILULI, ILULI, MOD, J08A, SEKA, O03E, ZKTA, MISO, MISO, MNGR, FFC, WVOR, WVOR, IZAR, IZAR, NCK, NCK, LKRN, IIGN, KIV, KIV, KIV, KIV, KBZ, GANJ, ZEI, ZEI, TBLG, TBLG, TBLG, D0MB, NEY, NC204, HRY, NB201, MFID, NB2, NB2, NB200, NB200, EGMT, EGMT, NC602, AKN, PAHR, PNTR, CMCT, HLID, H01D, GNI, GNI, BOZ, BOZ, BOZ, CMB, CMB, NAX, YERR, SKAR, AS31, ASAR, HYA, AKAS, AKAB, AKBB.

1656

Table with columns: Name, Comp, Time, Status, P, and other details. Includes entries like AKBB, BATM, KVN, KVN, YBH, YBH, GCA, BCMT, SUE, YHH, NV01, NVAR, PSA00, NV11, YFT, ASK, ELK, ELK, BER, BER, H17A, IMW, RLMT, RLMT, RLMT, ANGO, DGMT, DGMT, MOOW, TPWA, SHME, BLS5, LOHW, REDW, LAO, LAO, HVU, HVU, MDH, MSFE, UOSS, UOSS, GRAC, HATD, R11A, R11A, HWUT, NAZ, BW06, BW06, PD31, PDAR, DUG, DUG, DUG, FAQ, MPMC, TCUT, FURC, TPNV, TPNV, ASUD, ALNE, LRMC, JLU, PSUT, NLU, MPU, ULM, ULM, ULM, GSC, DIKM, SHPR, BFSC, KWP, KWP, KWP, TUQ, CCUT, TMUT, BZK, P17A, K22A, BUR08, BURAR, BURAR, MTPU, RSSD.

Table with columns: BOOM, Booms koye usch, 5.82, 57, i/P, Pn, 16 49 28.4 +0.5, baz=57, i/S, Sn, 16 50 32.5 -2.2, TKM2, Tokmak 2, 5.82, 52, i/Pn, Pn, 16 49 29.0 +1.0, TKM2, 15nm, 0.7s, i/Lg, Lg, 16 51 09.8, TKM2, Tokmak 2, 5.82, 52, i/P, Pn, 16 49 28.7 +0.8, TKM2, baz=52, i/S, Sn, 16 50 33.2 -1.6, ULHL, Ulaho, 5.91, 61, i/P, Pn, 16 49 29.6 +0.5, ULHL, baz=60, i/S, Sn, 16 50 34.7 -2.3

MAN 31 17:17.43.2, 9.80N, 126.42E, h1km, mb4.4, ML3.3, MS3.1, IC-1D, Mindanao

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include SCPH Surigao, BUTP Butuan, MSP Laasin, PLP Palo, BESP Borongan, GESP Ormoc, OCLP Musuan, CNP Catarman, PAGZ Pagadian, DDMP Don Marcelino.

ISC 31 17:36:21.6, 1.1, 45.03N, 0.02:15.11E, 0.04, h8km, 1.1km, n17, 0.070/26, Northwesten Balkan Peninsula

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include BOJS Bojanci, NVLJ Novajia, RIV Rijeka, GBRJ Gornja Briga, OZLJ Ozalj, UDBI Udbina, KNDS Knezi Dol, VISS Visnje, PDKS Podkum, DUGI Dugi Otok, PTJ PTJ, JAVS Javnik, MORI Morici, VOJS Vojsko, ZIRJ Zirje, CADR Cadrg.

ISC 31 17:46:03.4, 1.0, 41.55S, 174.26E, h0km, mb4.2/4, mb1 4.4/k, mb1mx4.0/29, mbtmp4.1/6, ML3.7/2, Error ellipse: s-maj=33.7km s-min=12.8km az=132.0

ISCJB 31 17:46:04.1, 0.6, 41.85S, 0.02:174.51E, 0.10, h28km, mb4.6/16, Error ellipse: s-maj=12.4km s-min=4.1km az=36.8

NEIC 31 17:46:05.4, 0.0, 41.78S, 174.33E, h1km, mb4.7/12, ML4.2(WEL), After WEL

ISC 31 17:46:06.4, 0.6, 41.80S, 0.06:174.44E, 0.06, h28km, n50, 0.1911/54, mb4.8/16, Cook Strait

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include SNZO South Karori, KHZ Kahurangi, THZ Topohouse, QRTZ Quartz Range, BFRZ Birch Farm, LZT Lake Taylor, CRLZ Canterbury Ls, MOZ McQueen's Vall, OXZ Oxford, BKZ Black Stump Fm, RPZ Rata Peaks, RPZ 15nm, 0.3s, baz=88, slow=1.8, SNR=76, RPZ 31nm, 0.3s, baz=32, slow=2.1, SNR=25, RPZ 12nm, 0.3s, baz=168, slow=22, SNR=12, RPZ 21nm, 0.3s, baz=206, slow=19, SNR=33, RPZ Rata Peaks, Hauri Hauri, FOZ Fox Glacier, LBZ Lake Benmore, URZ Urewera, URZ 3.1nm, 0.3s, baz=237, slow=4.5, SNR=18, URZ 8.5nm, 0.3s, baz=234, slow=11, SNR=16, URZ 9.4nm, 0.3s, baz=192, slow=6.3, SNR=4.2, URZ 2.2nm, 0.3s, baz=131, slow=2, SNR=2.8, URZ Urewera, ODZ Otahua Downs, WKZ Wanaka, WXZ Matakoaka Point, MLZ Mavora Lakes, WHZ Wether Hill R, DCZ Deep Cove, OUZ Omahuta, AS31 Alice Springs, ASAR Alice Springs, ASAR 4.1nm, 0.6s, baz=130, slow=3.9, SNR=4.9, WB2 Warramunga Arr, WRAB Tennant Creek, WR1 Warramunga Arr, WRA Warramunga Arr, RABL Rabaul, MTN Mantong Dam, QSPA South Pole Qui, MORW Morawa, PSA0N Pilbara Seismi, PSA1 Pilbara Seismi, PSA2 Pilbara Seismi, PSAB1 Pilbara Seismi, PSAC1 Pilbara Seismi, KSR5 Korea Array.

Table with columns: CMAR Chiang Mai Arr, KBZ Khabaz, DBIC Dimbokro, ARCES ARCESS Array B, BR101 Keskin Array S, BR111 Keskin Array S, TORO Torodi Arr, TOA1 Torodi Arr, FIAO FINESSE Array S, FINES FINESSE Array B.

ISC 31 17:49:50.5, 1.7, 41.62S, 174.26E, h0km, mb3.9/3, mb1 4.0/k, mb1mx3.7/29, mbtmp3.8/5, ML2.9/2, Error ellipse: s-maj=42.1km s-min=26.6km az=136.0

ISCJB 31 17:49:51.4, 1.8, 41.8S, 0.2:174.4E, 0.3, h28km, mb3.9/3, Error ellipse: s-maj=45.2km s-min=7.2km az=41.7

ISC 31 17:49:53.8, 1.5, 41.7S, 0.2:174.3E, 0.2, h28km, n7, 0.063/9, mb3.8/3, Cook Strait

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include RPZ Rata Peaks, RPZ 7.0nm, 0.3s, baz=337, slow=23, SNR=6.3, URZ 0.3nm, 0.3s, baz=164, slow=18, SNR=3.9, URZ 2.2nm, 0.3s, baz=172, slow=4.8, SNR=3.2, CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, BRTR Keskin Array B, TORO Torodi Arr.

ISC 31 17:51:39.5, 6.6, 7.05S, 150.86E, h0km, mb3.2/3, mb1 3.5/k, mb1mx3.2/29, mbtmp3.3/3, Error ellipse: s-maj=196.6km s-min=38.4km az=109.0, New Britain region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, MAN 31 18:08:28.5, 7.47N, 124.86E, h31km, mb3.6, ML2.3, MS1.7, 1D, Mindanao, BUKP Musuan, CTBH Cotabato-PC H, SKMP Bagumbayan, SKMP Pagadian, DDMP Don Marcelino.

ISC 31 18:09:03.8, 6.0, 15.97S, 173.38W, h0km, mb4.2/3, mb1 4.4/k, mb1mx3.7/31, mbtmp4.2/3, Error ellipse: s-maj=1154.0km s-min=214.9km az=79.0, Tonga Islands

ISCJB 31 18:10:50.3, 0.3, 26.41S, 0.07:68.31E, 0.07, h10km, mb4.5/45, MS3.4/4, Error ellipse: s-maj=10.7km s-min=9.2km az=31.6

ISC 31 18:10:50.3, 0.5, 26.30S, 68.22E, h0km, mb4.2/19, mb1 4.3/19, mb1mx4.1/34, mbtmp4.2/19, MS3.4/4, Ms1 3.4/4, ms1mx3.1/26, Error ellipse: s-maj=17.1km s-min=14.6km az=178.0

NEIC 31 18:10:52.1, 1.2, 26.37S, 68.21E, h10km, mb4.7/21, Error ellipse: s-maj=22.6km s-min=19.2km az=74.0

ISC 31 18:10:51.9, 0.5, 26.37S, 0.09:68.2E, 0.1, h10km, n70, 0.476/67, mb4.6/45, MS3.4/4, IC-2D, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ISCJB 31 18:10:50.3, 0.3, 26.41S, 0.07:68.31E, 0.07, h10km, H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, OPO Ambodiratombo, MATP Matopo, BOSA Boshof, BOSA 0.8nm, 0.5s, baz=103, slow=14, SNR=2.4, LSZ Lusaka, MAW Mawson, MAW 5.5nm, 0.7s, baz=359, slow=8.9, SNR=16, CASY Casey, CMAR Chiang Mai Arr, SHL Shillong, ASAR Alice Springs, AS31 Alice Springs, SNAA Sanae, SNAA 2.8nm, 0.7s, baz=109, slow=9.0, SNR=22, NIL Niore, LSA Lhasa, WR1 Warramunga Arr, WRA Warramunga Arr, WRAB Tennant Creek, KBL Kabul, STKA Stephens Creek, QSPA South Pole Qui.

Table with columns: KK31 Karatay Array, KKAR Karatay Array, BR101 Keskin Array S, BR111 Keskin Array S, BRTR Keskin Array B, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, TORO Torodi Arr, TORO 2.2nm, 0.3s, baz=159, slow=7.4, SNR=13, TORO Torodi Arr, TOA1 Torodi Arr, FIAO FINESSE Array S, FINES FINESSE Array B.

ISC 31 18:22:28.9, 2.5, 7.21S, 130.95E, h0km, mb3.8/1, mb1 3.6/k, mb1mx3.3/24, mbtmp3.3/3, ML3.1/2, Error ellipse: s-maj=158.4km s-min=27.8km az=72.0, Taninbar Islands region

ISCJB 31 18:33:56.8, 0.8, 8.13N, 20.50E, h0km, mb3.8/11, mb1 4.1/12, mb1mx3.8/34, mbtmp3.9/12, ML4.4/1, MS3.6/9, Ms1 3.6/9, ms1mx3.1/26, Error ellipse: s-maj=21.6km s-min=18.7km az=131.0

ISCJB 31 18:33:57.0, 0.6, 13.22N, 0.09:50.83E, 0.08, h16km, mb4.0/14, MS3.6/7, Error ellipse: s-maj=14.3km s-min=10.5km az=151.0

NEIC 31 18:33:58.3, 1.6, 13.15N, 50.93E, h10km, mb4.1/2, Error ellipse: s-maj=3.1km s-min=10.5km az=108.0

ISC 31 18:33:59.0, 0.8, 13.22N, 0.1:50.9E, 0.1, h16km, n30, 0.065/23, mb4.0/14, MS3.6/7, Eastern Gulf of Aden

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SC, h, m, s, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, ASAR 0.1nm, 0.3s, baz=336, slow=14, SNR=4.2, MKAR Makanchi Array, ISC 31 18:33:59.0, 0.8, 13.22N, 0.1:50.9E, 0.1, h16km, n30, 0.065/23, mb4.0/14, MS3.6/7, ATD Arta Tunnel, WSAR Wadi Sarin, GEYT Geysir, GEYT 4.51nm, 0.4s, baz=188, slow=8.5, SNR=8.5, H08N2 Diego Garcia H, H08N3 Diego Garcia H, H08N1 Diego Garcia H, BR101 Keskin Array S, BRTR Keskin Array B, KBZ Khabaz, MKAR Makanchi Array, MATP Matopo, AKASO Malin Array Be, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, CMAR Chiang Mai Arr, CMAR 0.6nm, 0.4s, baz=247, slow=25, SNR=4.0, TORO Torodi Arr, TOA1 Torodi Arr, BOSA Boshof, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, DBIC Dimbokro, SONAO Songoing Array.

31d 19h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SONM Songino Array, ARCES ARCES Array B, WRA Warramunga Arr, etc.

JMA 31 18:42:25.1±0.1,29.91N,141.91E,h59km,M4.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBIJ Chichi jima, JH2J Haha-jima-NKT2, etc.

ISCJB 31 18:47:06.8±0.7,47.56N,0.06E,252W,0.07,h0km,Error ellipse: s-maj=8.5km s-min=6.6km az=153.3

NEIC 31 18:47:07.8±0.6,47.57N,0.02E,52W,h0km,MN2.5,Error ellipse: s-maj=9.3km s-min=7.6km az=39.0,Suspected Mining explosion.

NEIC 3 km [2 miles] NNE of Virginia, IDC 31 18:47:09.1±3.8,47.53N,0.02E,55W,h0km,mb1 2.6/1, mb1mx2.0,mb1mp2.1,ML1.2/1,Error ellipse: s-maj=70.7km s-min=28.5km az=53.0

ISC 31 18:47:06.9±1.1,47.46N,0.05E,92.54W,0.05,h0km,n13,az=57.7/14,Minnesota

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like EYMN Ely, E3SA The Farm, Brul, etc.

DDA 31 18:49:43.7,40.50N,43.02E,h7km,2km,ML2.8

TIF 31 18:49:43.5,40.50N,43.04E,h12km,3km

ISK 31 18:49:43.9,40.57N,43.03E,h10km,ML2,1/6

ISCJB 31 18:49:44.1±0.5,40.54N,0.03E,43.03E,0.04,h5km,6km,Error ellipse: s-maj=5.3km s-min=4.1km az=145.4

ISC 31 18:49:43.6±1.2,40.51N,0.03E,43.02E,0.03,h8km,10km,n18,az=53/24,Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KARS Kars, DIGO Digo, EAK Akyaka, etc.

IDC 31 18:53:31.4±1.1,3.94S,152.06E,h0km,mb3.8/9,mb1 3.9/10,mb1mx3.8/23,mb1mp3.8/10,ML0.6/1,MS3.2/6,Ms1 3.2/6,ms1mx3.0/21,Error ellipse: s-maj=29.1km s-min=21.3km az=110.0

ISCJB 31 18:53:33.7±1.4,3.95S,0.09E,152.0E,0.1,h25km,13km,mb3.7/9,MS3.1/4,Error ellipse: s-maj=21.6km s-min=11.0km az=33.4

NEIC 31 18:53:35.1±0.3,3.99S,152.20E,h27km,40km,mb4.1/1,Error ellipse: s-maj=165.4km s-min=9.2km az=118.0

ISC 31 18:53:34.6±0.9,3.95S,0.11E,152.1E,0.1,h21km,3km,n21,az=57/18,mb3.8/10,MS3.1/4,New Ireland region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABL Rabaul, PMG Port Moresby, HNR Honiara, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KSRS Korea Array, CMAR Chiang Mai Arr, SONAO Songino Array, etc.

MEX 31 18:58:37.6±0.3,27.30N,112.42W,h5km,MD3.5,Baja California

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SRIG Santa Rosalia, SRIG Santa Rosalia.

MAN 31 19:12:58.5,17.44N,120.12E,h26km,mb4.5,ML3.3,MS3.1,TD,Luzon

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ABRA Dolores, BOLP Bolinao, APYP Conner, etc.

MAN 31 19:13:28.7,8.22N,126.49E,h33km,mb4.2,ML3.0,MS2.7,1D,Mindanao

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BIFH Bislig, MATI Mati, BUKP Musuan, etc.

IDC 31 19:44:29.4,0.4,51.14N,178.33E,h0km,mb4.8/32,mb1 4.9/35,mb1mx4.9/39,mb1mp4.8/35,ML4.2/3,MS4.6/30,Ms1 4.6/30,ms1mx4.4/44,Error ellipse: s-maj=15.8km s-min=9.1km az=169.0

MOS 31 19:44:30.9±1.0,51.10N,178.34E,h19km,mb5.4/123,MS4.8/18,Error ellipse: s-maj=5.6km s-min=4.3km az=100.6

BUI 31 19:44:31.2±0.0,51.31N,178.22E,h25km,mb5.2/78,mb5.3/53,MS5.0/74,Ms7 4.8/70

AEIC 31 19:44:31.9±0.0,50.80N,178.17E,h68km

NEIC 31 19:44:32.1±1.8,51.11N,178.17E,h19km,3km,mb5.2/382,ML5.0(AEIC),Error ellipse: s-maj=13.6km s-min=6.7km az=177.0

NEIC Fault on Shemya, ISCJB 31 19:44:33.6±0.4,51.15N,0.03E,178.38E,0.02,h40km,3km,ms=2/438,MS4.7/70,Error ellipse: s-maj=4.9km s-min=2.0km az=0.5

GCMT 31 19:44:34.1±0.2,51.04N,0.01E,178.25E,0.02,h14km,MM5.2/105,Moment Tensor Solution. s79,c115; s105,c172; Duration: 1s0 Moment tensor: Scale 1016 Nm; Mn=5.41E+17; Mo=5.72E+13; Mo=0.31E+11; Mw=4.86E+35; Mo=0.87E+09; Mo=3.1E+32; Best double couple: Mb=0.67000E+1016; Np1=65.00000E+0; A=121.00000E+0; Principal axes: T=8.1290,Plg64.000E+0; Azm312.0000E+0; N=0.1200,Plg13.000E+0; Az70.000E+0; Az=0.060E+0; Plg22.0000E+0; Azm165.0000E+0; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 31 19:44:33.4±0.5,51.09N,0.05E,178.39E,0.03,h26km,2km,h25km,P-P,1336,az=139/1410,mb5.2/456,MS4.7/70,61C-21D,Rat Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GAEA Gareloi East, TASE Tanaga Southeast, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GAEA Gareloi East, TASE Tanaga Southeast, etc.

PET comp=2.700nm,5.3s

PET comp=2.119nm,1.2s

PET comp=2.600nm,12.4s

PET comp=2.2um,14.0s

PET comp=2.2um,16.0s

PEA0B Petropavlovsk-PEA1 Petropavlovsk-PEA1 Petropavlovsk-12.88 287 ePn Pn 19 47 34.8 +0.1

PETK Petropavlovsk-comp=2.2nm,0.3s,baz=95,slow=18,SNR=82

PETK comp=2.0,2nm,0.3s,baz=130,slow=18,SNR=1.1

SDPT Sand Point 13.34 63 ePn Pn 19 47 40.2 -0.7

GAMB Gambell 13.77 19 ePn Pn 19 47 45.9 -0.8

SKR Severo-Kuril's 14.06 277 eP P 19 47 51.3 +0.5

SKR comp=2.1um,4.2s

SKR comp=2.2um,19.0s

SKR comp=2.2um,18.0s

ANN Nome 15.96 26 eP P 19 48 20.9 +1.6

ANN Nome 15.96 26 eP P 19 48 20.9 +1.6

ANN Nome 15.96 26 eP P 19 48 20.9 +1.6

SVW2 Sparrevohn 17.51 45 eP P 19 48 37.3 +0.8

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Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OHAK Old Harbor, MA2 Magadan, MA2 Magadan, etc.

YSS	Yuzh-Sakhalins	23.58 274	eP	P	19 49 42.5 +0.6
YSS	Yuzh-Sakhalins	23.58 274	eP	P	19 49 42.4 +0.6
YSS	Yuzh-Sakhalins		eS	S	19 53 54.2 -0.1
YSS	comp=Z,60nm,0.9s		pmax	pmax	
YSS	comp=Z,900nm,16.0s		MLR	MLR	
YSS	comp=N,1µm,14.0s		MLR	MLR	
YFU	Fort Yukon	23.88 36	eP	P	19 49 44.7 +0.2
CTGM	Chitina Glacie	24.19 50	eP	P	19 49 47.2 -0.4
PCA	Pinnacle	24.66 53	eP	P	19 49 51.4 -0.4
EGAK	Eagle	24.93 41	eP	P	19 49 53.3 -0.8
BCPM	Bancas Point	24.96 53	eP	P	19 49 54.6 +0.2
DAWY	Dawson	25.52 43	eP	P	19 49 59.0 -0.2
ERM	Erino	25.66 263	eP	P	19 50 02.6 +1.7
ERM	Erino		pmax	pmax	
HYT	Haines Junctio	26.05 51	eP	P	19 50 04.5 +0.1
GRNR	Gornyy	26.20 286	eP	P	19 50 06.2 +0.4
GRNR	Gornyy		pmax	pmax	
EPYK	Eagle Plains	27.09 39	eP	P	19 50 12.8 -0.8
EPYK	Eagle Plains	27.09 39	eP	P	19 50 12.9 -0.7
WHY	Whitehorse	27.34 51	eP	P	19 50 15.9 -0.1
TEY	Ternel	28.28 274	iP	P	19 50 23.8 -0.6
TEY	Ternel		pmax	pmax	
TEY	comp=Z,30nm,1.3s		pmax	pmax	
YAK	Yakutsk	28.29 312	eP	P	19 50 22.8 -1.5
YAK	Yakutsk		e	e	19 51 11.4
YAK	Yakutsk		eS	S	19 53 32.7
YAK	Yakutsk		eS	S	19 55 03.1 -5.6
YAK	Yakutsk		eSS	S	19 56 38.8 +13
YAK	Yakutsk		e	e	20 01 15.5
YAK	comp=Z,182nm,1.1s		pmax	pmax	
YAK	comp=E,94nm,1.1s		pmax	pmax	
YAK	comp=N,16nm,1.1s		pmax	pmax	
YAK	comp=Z,55nm,1.4s		pmax	pmax	
YAK	comp=N,62nm,2.0s		smax	smax	
YAK	comp=E,82nm,2.5s		smax	smax	
YAK	comp=Z,1µm,17.0s		MLR	MLR	
YAK	comp=N,495nm,16.0s		MLR	MLR	
YAK	comp=E,785nm,15.0s		MLR	MLR	
INK	Inuvik	28.71 35	eP	P	19 50 26.7 -1.3
INK	Inuvik		e	e	19 53 37.2 -0.4
INK	comp=E,6.4nm,0.9s,baz=205,slow=17,SNR=38		PcP	PcP	19 57 14.9 -2.0
INK	Inuvik	28.71 35	eP	P	19 50 27.8 -0.2
INK	Inuvik		e	e	19 50 27.8 -0.2
INK	Inuvik	28.71 35	eP	P	19 50 27.8 -0.2
INK	Inuvik		pmax	pmax	
KLR	Kul'dur	29.55 285	eP	P	19 50 35.4 -0.4
KLR	Kul'dur		e	e	20 03 16.8
KLR	Kul'dur	29.55 285	iP	P	19 50 35.2 -0.5
KLR	Kul'dur		pmax	pmax	
DLBC	Dease Lake	29.98 56	eP	P	19 50 38.4 -1.1
DLBC	Dease Lake		e	e	19 50 39.7 +0.2
TIXI	Tiksi	30.03 331	eP	P	19 50 18.3 -2.8
TIXI	Tiksi		ScP	ScP	19 57 25.3
ZEA	Zeya	30.76 295	eP	P	19 50 44.8 -1.5
ZEA	Zeya		e	e	19 51 57.0
ZEA	comp=Z,63nm,1.0s		pmax	pmax	
ZEA	comp=Z,200nm,6.0s		pmax	pmax	
ZEA	comp=Z,300nm,10.0s		pmax	pmax	
ZEA	comp=N,1µm,14.0s		MLR	MLR	
ZEA	comp=E,800nm,14.0s		MLR	MLR	
ZEA	comp=Z,2µm,14.0s		MLR	MLR	
USA08	Ussuriysk Arra	31.57 276	eP	P	19 50 53.1 -0.5
USRK	Ussuriysk Ar	31.57 276	eP	P	19 50 53.5 -0.2
USRK	Ussuriysk Ar		e	e	20 02 23.1
MRJR	Matsushiro	32.00 259	eP	P	19 50 57.0 -0.4
MRJR	Matsushiro		ScP	ScP	19 53 46.6 -0.2
MRJR	Matsushiro		PcP	PcP	19 57 30.4 +2.1
MRJR	Matsushiro		ScP	ScP	19 57 30.4 +2.1
MAJO	Matsushiro	32.00 259	eP	P	19 50 55.5 -0.9
MAJO	Matsushiro		ePcP	ePcP	19 53 46.6 -0.2
MAJO	Matsushiro		eScP	eScP	19 57 30.4 +2.1
MAJO	Matsushiro		iP	iP	19 50 57.3 -0.1
MAJO	Matsushiro		pmax	pmax	
MAT	Matsushiro	32.00 259	eP	P	19 50 57.2 -0.2
MAT	Matsushiro		S	S	19 56 08.4 +1.0
MJB9	Matsu-Tunnel	32.00 259	eP	P	19 50 56.1 -1.3
VLA	Vladivostok	32.18 274	iP	P	19 50 59.1 +0.2
H1N2	WAKE ISLAND Hy	32.58 200	T	T	20 26 17.5
H1N3	Bella Bella	32.59 67	LR	LR	20 04 08.2
H1N3	Bella Bella		LR	LR	20 26 16.6
H1N1	WAKE ISLAND Hy	32.59 200	T	T	20 26 21.1
MDJ	Mudanjiang	32.87 278	eP	P	19 51 03.6 -1.4
MDJ	Mudanjiang		P	P	19 51 03.5 -1.5
MDJ	Mudanjiang		ScS	ScS	20 01 32.5 +1.4
MDJ	Mudanjiang		pmax	pmax	
MDJ	comp=Z,23nm,1.2s		pmax	pmax	
MDJ	comp=Z,230nm,3.6s		LR	LR	
MDJ	comp=Z,880nm,17.6s		LR	LR	
MDJ	comp=Z,720nm,19.6s		LR	LR	
MDJ	comp=Z,2µm,20.8s		LR	LR	
MSHR	Mys Shura	32.92 274	iP	P	19 51 04.6 -0.8
H1S1	WAKE ISLAND Hy	33.81 200	T	T	20 27 51.2
H1S3	WAKE ISLAND Hy	33.83 200	T	T	20 28 17.8
H1S2	WAKE ISLAND Hy	33.83 200	T	T	20 27 55.2
CN2	Changchun	35.86 279	eP	P	19 51 30.0 -0.9
CN2	Changchun		eP	eP	19 52 50.8 -0.5
CN2	Changchun		eS	eS	19 57 03.0 -3.9
CN2	Changchun		eSS	eSS	19 59 23.0 -7.7
CN2	comp=Z,180nm,3.0s		pmax	pmax	
CN2	comp=Z,180nm,8.1s		LR	LR	

CN2	comp=Z,950nm,17.0s		LR	LR	
CN2	comp=Z,950nm,17.0s		LR	LR	
YKWS	Yellowknife Ar	36.68 46	eP	P	19 51 36.6 -1.1
YKA	Yellowknife Ar	36.70 46	eP	P	19 51 37.6 -0.2
YKA	Yellowknife Ar		PcP	PcP	19 54 00.2 +0.4
YKA	comp=Z,2.2nm,0.6s,baz=285,slow=8.7,SNR=12		PcP	PcP	19 54 00.2 +0.4
YKA	comp=Z,3.2nm,0.8s,baz=300,slow=3.4,SNR=4.0		ScP	ScP	19 57 47.0 +2.4
YKBS	Yellowknife Ar	36.70 46	eP	P	19 51 37.6 -0.2
YKBS	Yellowknife Ar		ePcP	ePcP	19 54 00.2 +0.4
BOD	Bodaibo	36.73 306	eP	P	19 57 47.0 +2.4
HIA	Hailar	36.75 291	eP	P	19 51 36.2 -1.9
HIA	Hailar		eP	eP	19 51 37.2 -1.2
HIA	Hailar		pmax	pmax	19 51 37.2 -1.2
LLL	Lillooet	36.80 67	eP	P	19 51 39.7 +0.8
NLWA	Neilton Lookou	37.05 72	eP	P	19 51 43.0 +2.0
A04D	Lummi Island	37.13 70	P	P	19 51 42.1 +0.5
D03D	Eldon	37.45 72	P	P	19 51 45.9 +1.5
B05A	Bryant	37.70 70	P	P	19 51 47.8 +1.3
D04E	Lakebay	37.80 72	P	P	19 51 48.3 +1.0
KSRS	Korea Array	37.87 269	P	P	19 51 47.7 -0.3
KSRS	Korea Array		PcP	PcP	19 54 04.0 +0.1
KSRS	comp=Z,2.7nm,0.9s,baz=56,slow=3.0,SNR=4.5		PcP	PcP	20 07 12.4
KSRS	comp=Z,332nm,19.6s,baz=60,slow=36		P	P	19 51 48.6 +0.3
KS15	Wonju Array Si	37.90 269	eP	P	19 51 49.8 +0.1
SNY	Shenyang	38.08 278	iP	P	19 53 21.5 +4.8
SNY	Shenyang		PP	PP	19 57 41.3 +0.7
SNY	Shenyang		S	S	20 00 20.5 -3.7
SNY	Shenyang		SS	SS	20 00 20.5 -3.7
SNY	Shenyang		pmax	pmax	
SNY	comp=Z,47nm,1.4s		LR	LR	
SNY	comp=Z,780nm,15.2s		LR	LR	
SNY	comp=Z,870nm,18.3s		LR	LR	
SNY	comp=Z,1µm,16.9s		LR	LR	
F04D	Rainier, OR	38.19 74	P	P	19 51 51.9 +1.3
E04D	Cinebar	38.23 73	P	P	19 51 52.7 +1.8
D05A	Enumclaw	38.27 72	eP	P	19 51 53.2 +1.9
G03D	McMinnville, O	38.47 75	P	P	19 51 54.4 +1.5
C06D	Leavenworth	38.57 70	P	P	19 51 55.1 +1.2
LOH	Longmire	38.59 72	eP	P	19 51 55.0 +0.9
LOH	Longmire		eP	eP	19 51 55.0 +0.9
LOH	Longmire		pmax	pmax	
I02D	Swisshome	38.68 77	P	P	19 51 56.8 +2.0
COR	Corvallis	38.77 76	eP	P	19 51 57.1 +1.7
COR	Corvallis		eP	eP	19 51 57.1 +1.7
COR	Corvallis		pmax	pmax	
JNU	Natasa	38.78 261	eP	P	19 51 55.3 -0.5
TJN	Taejon	38.89 268	eP	P	19 51 57.0 +0.4
LTY	Liberty	39.02 71	eP	P	19 51 58.2 +0.5
KEBM	Edson Butte	39.03 79	eP	P	19 52 00.4 +2.5
CIT	Chia	39.12 298	eP	P	19 51 58.3 -0.1
CIT	Chia		e	e	19 52 02.7
CIT	Chia		e	e	19 52 11.1
CIT	Chia		pmax	pmax	
J01E	Myrtle Point	39.13 78	P	P	19 52 00.3 +1.8
H04D	Lebanon	39.15 76	P	P	19 52 00.4 +1.8
I03D	Drain, OR	39.20 77	P	P	19 52 00.3 +1.2
F05D	White Salmon	39.23 73	P	P	19 51 59.9 +0.6
B08A	Colville Reser	39.29 69	eP	P	19 52 00.9 +1.0
H04A	Detroit Lake	39.40 75	eP	P	19 52 01.5 +0.7
K02D	Willamette Mer	39.55 79	P	P	19 52 03.8 +1.7
G05D	Wamic, OR	39.64 74	P	P	19 52 04.3 +1.5
H04E	Tendick Farm	39.73 77	P	P	19 52 05.0 +1.4
I02A	Cave Junction	39.88 80	P	P	19 52 06.9 +2.1
HUMO	Hull Mountain	40.03 79	eP	P	19 52 06.8 +0.7
KRMB	Red Mountain	40.04 81	eP	P	19 52 07.5 +1.2
I05D	Terrebonne, OR	40.10 75	P	P	19 52 08.1 +1.4
HAWA	Hawaii	40.13 72	eP	P	19 52 08.2 +1.4
D08A	Wollman Farm	40.16 70	eP	P	19 52 08.6 +1.5
C09A	Chrisman Ranch	40.18 69	eP	P	19 52 07.4 +0.1
J04D	Umpqua Nationa	40.21 77	P	P	19 52 09.0 +1.2
JCC	Jacoby Creek	40.36 82	eP	P	19 52 08.1 -0.7
E08A	Dider Farm, EI	40.37 71	eP	P	19 52 09.3 +0.6
KHMM	Horse Mountain	40.52 81	eP	P	19 52 11.1 +0.8
PINE	Pine Mountain	40.63 76	eP	P	19 52 12.5 +1.3
NEW	Newport	40.63 68	P	P	19 52 11.3 +0.3
NEW	Newport		P	P	19 52 11.0 -0.1
NEW	Newport		P	P	19 52 11.0 -0.1
NEW	Newport		pmax	pmax	
NEW	Newport		P	P	19 52 10.9 -0.1
L04D	Klamath Falls	40.65 79	P	P	19 52 13.0 +1.7
YBH	Yreka Blue Hor	40.67 80	LR	LR	20 07 53.0
YBH	Yreka Blue Hor		LR	LR	20 07 53.2 +1.8
YBH	Yreka Blue Hor		eP	eP	19 52 13.2 +1.8
YBH	Yreka Blue Hor		pmax	pmax	
J05D	Fort Rock, OR	40.72 77	P	P	19 52 13.9 +2.0
RES	Resolute Bay	40.73 24	eP	P	19 52 11.4 0.0
RES	Resolute Bay		eP	eP	19 52 11.4 0.0
RES	Resolute Bay		pmax	pmax	
K04D	Chiloan, OR	40.76 78	P	P	19 52 13.9 +1.6
M02C	Callahan	40.77 80	P	P	19 52 14.4 +2.1
E09A	Wood Farm, Sta	40.90 71	eP	P	19 52 13.7 +0.6
KMRM	Mali Ridge	40.91 82	eP	P	19 52 15.7 +2.3
DL2	Dalian	40.97 275	P	P	19 52 12.5 -1.3
DL2	Dalian		PP	PP	19 53 49.5 +1.2
DL2	Dalian		S	S	19 58 24.3 +0.2
DL2	Dalian		pmax	pmax	
DL2	comp=Z,40nm,1.0s		pmax	pmax	
DL2	comp=Z,180nm,8.1s		pmax	pmax	

DL2	comp=Z,590nm,18.4s		LR	LR	
DL2	comp=Z,430nm,16.7s		LR	LR	
DL2	comp=Z,920nm,16.2s		LR	LR	
G08A	Pilot Rock	41.04 73	eP	P	19 52 14.1 -0.4
N02D	Trinity Center	41.10 81	eP	P	19 52 17.1 +2.1
M04C	Macdoel	41.18 79	P	P	19 52 17.4 +1.7
I07A	Izee	41.35 75	eP	P	19 52 18.0 +0.9
WDC	Whiskeytown Da	41.43 81	eP	P	19 52 18.4 +0.8
WDC	Whiskeytown Da		eP	eP	19 52 18.4 +0.8
WDC	Whiskeytown Da		pmax	pmax	
O02D	Mt. Diablo Mer	41.51 82	P	P	19 52 20.4 +2.1
F10A	Beach Ranch, E	41.72 71	eP	P	19 52 19.9 -0.1
H0PS	Hopland Field	42.02 83	eP	P	19 52 24.0 +1.5
O03E	Paynes Creek	42.05 81	P	P	19 52 23.9 +1.1

31d 19h

Table with columns: Station, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like Mammoth, Zakamensk, Flin Flon, etc.

2013 JUL

Table with columns: Station, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like DUG, LAO, EDW2, DGMT, etc.

1662

Table with columns: Station, Frequency, Power, Modulation, SNR, and other metrics. Includes stations like DAG, DAG, DAG, XAN, etc.

31d 19h

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like K54A Basiliko Farm, Q50A Georgetown, USP Ospetivka, etc.

2013 JUL

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like ACCN Adirondack Com, ABKAR Akbulak array, TZTN Tazewell, etc.

1664

Table with columns: ID, Name, Az, El, AzM, ElM, AzR, ElR, AzC, ElC, AzD, ElD, AzE, ElE, AzF, ElF, AzG, ElG, AzH, ElH, AzI, ElI, AzJ, ElJ, AzK, ElK, AzL, ElL, AzM, ElM, AzN, ElN, AzO, ElO, AzP, ElP, AzQ, ElQ, AzR, ElR, AzS, ElS, AzT, ElT, AzU, ElU, AzV, ElV, AzW, ElW, AzX, ElX, AzY, ElY, AzZ, ElZ. Rows include stations like P59A Jarrettsville, Z51A Franklin, BG3 Frank Jay, etc.

SLIT	baz=318	Slitere, Latvi	69.88	347	eP	I	Amb	19 55 40.2	-1.2
SLIT								19 55 42.6	
S60A	comp=Z,306nm,1.0s	Water View	69.90	55	P	P		19 55 44.4	+2.5
U58A	baz=320	Oxford	69.91	57	P	P		19 55 41.9	-0.1
Z54A	baz=319	Sparta	69.95	62	P	P		19 55 42.0	-0.3
Y55A	baz=319	Saluda	69.97	61	P	P		19 55 42.1	-0.4
T59A	baz=319	Double "B" Far	69.99	56	eP	P		19 55 42.5	0.0
T59A	comp=Z,24nm,1.3s	Double "B" Far	69.99	56	P	P		19 55 42.0	-0.5
LUWI	baz=319	Luwuk	70.00	241	P	P		19 55 41.4	-1.4
X56A	baz=319	White Oak	70.01	60	P	P		19 55 42.4	-0.3
J5C	comp=Z,11nm,0.8s	Jenkinsville	70.04	60	eP	P		19 55 43.2	+0.3
J5C		Jenkinsville	70.04	60	eP	P		19 55 43.2	+0.3
V58A	comp=Z,11nm,0.8s	Windy Hill, Pi	70.06	58	P	P		19 55 42.9	-0.1
W57A	baz=319	Gilead	70.08	59	eP	P		19 55 42.3	-0.7
352A	comp=Z,9.0nm,0.8s	Blakely	70.09	64	P	P		19 55 42.8	-0.4
253A	baz=318	Americus	70.11	64	eP	P		19 55 43.6	+0.3
253A	comp=Z,31nm,1.0s	Americus	70.11	64	P	P		19 55 42.7	-0.6
MHMT	baz=318	Maesarieng	70.12	274	P	P		19 55 43.9	+0.3
BIRD	comp=Z,14nm,1.0s	Birdtown, Kers	70.20	59	eP	P		19 55 44.0	+0.2
J1RN	comp=Z,638nm,1.5s	Jiri	70.31	290	eP	P		19 55 45.4	+0.3
U59A	baz=320	Littleton	70.34	56	P	P		19 55 43.8	-0.8
Z55A	baz=319	Glythe	70.35	61	P	P		19 55 44.9	+0.1
Y56A	baz=319	Pelion	70.38	60	P	P		19 55 45.1	+0.1
452A	baz=318	Marianna	70.41	65	P	P		19 55 45.1	-0.1
S61A	baz=320	Accomac	70.43	54	P	P		19 55 45.1	0.0
GAR	comp=Z,126nm,1.0s	Garm	70.49	308	eP	P		19 55 45.7	-0.1
GAR		Garm	70.49	308	eP	P		19 55 45.7	-0.1
V59A	comp=Z,126nm,1.0s	Middlesex	70.55	57	P	P		19 55 45.4	-0.5
W58A	baz=320	Raeford	70.58	58	P	P		19 55 45.0	-1.2
353A	baz=319	Camilla	70.59	64	P	P		19 55 45.7	-0.5
155A	baz=319	Kite	70.62	62	P	P		19 55 45.6	-0.8
254A	baz=319	Abbeville	70.66	63	P	P		19 55 45.6	-1.1
NKKN	comp=Z,78nm,0.9s	Kakani	70.76	290	eP	P		19 55 47.8	+0.2
PKI	comp=Z,169nm,1.3s	Pulchoki	70.84	290	eP	P		19 55 48.2	-0.1
PKIN	comp=Z,115nm,1.3s	Phulchoi	70.85	290	eP	P		19 55 48.1	-0.1
TIGA	comp=Z,56nm,1.4s	Tifton	70.87	64	eP	P		19 55 48.9	+0.9
TIGA	baz=319	Tifton	70.87	64	eP	P		19 55 47.6	-0.4
Y58A	comp=Z,24nm,0.4s	Rowland	70.88	59	eP	P		19 55 49.2	+1.2
X58A	baz=320	Rowland	70.88	59	P	P		19 55 47.9	-0.1
552A	baz=319	Lynn Haven	70.88	66	P	P		19 55 48.5	+0.4
W59A	baz=320	Clinton	70.89	58	P	P		19 55 47.5	-0.5
453A	comp=Z,44nm,1.1s	Whigham	70.90	65	eP	P		19 55 48.9	+0.7
GKN	baz=319	Whigham	70.90	65	P	P		19 55 48.5	+0.4
GKN	comp=Z,211nm,1.2s	Gorkha	70.98	291	eP	P		19 55 49.1	+0.2
DMN	comp=Z,138nm,1.3s	Daman	70.99	290	eP	P		19 55 49.4	+0.3
UMPA	comp=Z,138nm,1.3s	Umpang Tak	71.02	272	P	P		19 55 51.1	+2.0
IZAR	comp=Z,90nm,1.0s	Zarasai	71.04	344	eP	I	Amb	19 55 48.0	-0.6
IZAR								19 55 51.0	
U61A	comp=Z,8.0nm,0.7s	Possum Corner	71.06	55	P	P		19 55 48.8	-0.2
V60A	baz=320	Jim Taylor Roa	71.06	56	eP	P		19 55 50.5	+1.4
Z57A	comp=Z,40nm,0.4s	Bowman	71.09	60	P	P		19 55 49.8	-0.4
CNNC	baz=319	Cliffs of the	71.13	57	P	P		19 55 49.4	-0.1
UTHA	baz=320	Uthaitani	71.13	271	P	P		19 55 50.8	+1.1
156A	baz=319	Sylvania	71.13	61	P	P		19 55 50.0	+0.5
255A	comp=Z,48nm,0.4s	Hazlehurst	71.14	63	eP	P		19 55 49.2	-0.4
LPSR	comp=Z,90nm,1.0s	Galich'ya Gora	71.18	335	eP	P		19 55 49.6	+0.1
LPSR									
Y58A	comp=Z,640nm,16.0s	Scranton	71.19	59	P	P		19 55 50.1	+0.2
DANN	comp=Z,164nm,1.1s	Dangsing	71.23	292	eP	P		19 55 50.8	+0.2
ISAL	comp=Z,13nm,1.0s	Salakas	71.23	344	eP	I	Amb	19 55 49.0	-0.8
ISAL								19 55 51.4	
X59A	baz=320	McDuffie Farm,	71.26	58	P	P		19 55 50.2	-0.1
CHGR	comp=Z,107nm,1.1s	Chuyangaron	71.33	309	eP	P		19 55 52.0	+1.2
355A	baz=319	Pearson	71.36	63	P	P		19 55 51.2	+0.3
454A	baz=319	Quitman	71.39	64	P	P		19 55 51.3	+0.1
256A	baz=319	Glenville	71.42	62	P	P		19 55 51.1	-0.2
IIGN	comp=Z,14nm,0.7s	Ignalina	71.43	344	eP	I	Amb	19 55 51.2	+0.2
IIGN								19 55 53.4	
NHSC	comp=Z,14nm,0.7s	New Hope	71.52	60	P	P		19 55 51.8	0.0
Y59A	baz=320	Loris	71.56	59	P	P		19 55 52.0	0.0
X60A	baz=320	Albert Glenn T	71.59	58	P	P		19 55 52.0	-0.3
W61A	comp=Z,11nm,0.8s	Ground Anchor	71.66	57	P	P		19 55 52.8	+0.1
VRH	comp=Z,100nm,0.8s	Novokhoporsky	71.66	333	eP	P		19 55 52.1	-0.3
VRH									
455A	comp=Z,11nm,16.0s	Stateville	71.72	64	P	P		19 55 53.6	+0.5
KOLN	baz=319	Koldanda	71.76	292	eP	P		19 55 53.7	0.0
356A	baz=319	Blackshear	71.78	63	P	P		19 55 53.8	+0.4
554A	baz=319	Perry	71.84	65	P	P		19 55 54.0	+0.2
Y60A	baz=320	Bolivia	71.90	58	P	P		19 55 53.5	-0.6
V62A	comp=Z,2.6nm,0.2s	Hyde County Ai	71.90	56	P	P		19 55 54.7	+0.6
MICGM	comp=Z,101nm,1.6s	Minsk	71.93	342	e	P		19 55 50.0	-4.0
MICGM								20 31 05.0	
MNK	comp=Z,11nm,0.8s	Minsk	71.93	342	eP	LR		19 55 50.0	-4.0
PMOR	comp=Z,11nm,0.8s	Pomariorio Ree	72.10	146	eT	T		21 14 45.2	
555A	comp=Z,11nm,0.8s	McAlpin	72.22	62	P	P		19 55 56.0	-0.1
SRDT	baz=319	SRDT	72.25	271	P	P		19 55 57.8	+1.3
456A	comp=Z,106nm,0.6s	Hilliard	72.29	63	eP	P		19 55 57.4	+0.8
456A	baz=320	Hilliard	72.29	63	P	P		19 55 57.0	+0.5

VSR	Storozhevoje	72.36	334	eP	P			19 55 56.5	-0.1
VSR	comp=Z,110nm,1.1s								
VSR	comp=Z,11m,16.0s	MLR	MLR						
655A	Horsehoe Beac	72.51	65	P	P			19 55 58.4	+0.5
556A	Lake Butler	72.62	64	P	P			19 55 59.0	+0.5
557A	Lake Park	73.00	63	P	P			19 56 01.5	+0.7
656A	Willston	73.03	64	eP	P			19 56 01.2	+0.2
656A	Willston	73.03	64	eP	P			19 56 01.9	+1.0
NIL	Nilore	73.11	303	eP	P			19 56 00.7	-0.7
NIL	comp=Z,124nm,1.0s							19 56 00.7	-0.7
NIL									
SUW	comp=Z,124nm,1.0s	Suwalki	73.23	345	eP	P		19 56 00.4	-1.3
SUW		Suwalki	73.23	345	eP	P		19 56 01.5	-0.2
SUW	comp=Z,45nm,0.9s	Suwalki	73.23	345	eP	P		19 56 01.5	-0.2
SUW		Suwalki	73.23	345	eP	P		19 56 01.5	-0.2
657A	Interlachen	73.25	64	P	P			19 56 02.7	+0.5
SBUM	Silby	73.29	253	eP	P			19 56 01.7	-1.0
TTSI	Tana Toraja	73.30	243	P	P			19 56 02.0	-0.6
DZM	Mont Dzumac	73.60	192	eS	SKIKP			20 05 31.9	-0.5
DZM	comp=Z,635nm,24.4s	Mont Dzumac	73.60	192	eLR	LR		20 18 35.4	
757A	Oxford	73.62	64	P	P			19 56 05.1	+0.6
658A	Bunwall	73.71	63	P	P			19 56 05.6	+0.6
PPT	Papeete	73.91	148	LR	LR			20 26 45.8	
PPT2	Papeete2	73.93	148	eS	SS			20 05 35.6	-1.0
PPT2	comp=Z,11m,26.2s							20 10 25.5	+3.7
PPT2	comp=Z,233nm,23.5s							20 18 35.5	
TIAR	Tiarei	73.97	148	eT	T			21 17 06.7	
SPSI	Sidrap Palu	74.08	242	P	P			19 56 06.4	-0.8
758A	Lake Helen	74.09	64	P	P			19 56 07.5	+0.3
957A	Wimauma	74.49	65	P	P			19 56 10.3	+0.8
858A	St. Cloud	74.57	64	P	P			19 56 10.8	+0.8
KBL	Kabul	74.60	306	eP	P			19 56 09.3	-1.1
KBL	comp=Z,74nm,0.9s	Kabul	74.60	306	eP	P		19 56 09.3	-1.1
DWPF	Disney Wildern	74.61	64	eP	P			19 56 11.7	+1.5
DWPF	comp=Z,47nm,0.9s	Disney Wildern	74.61	64	eP	P		19 56 10.8	+0.6
958A	Wauchula	74.83	65	P	P			19 56 11.9	+0.4
BKSI	Bulukumba	75.00	241	P	P			19 56 12.8	+0.2
058A	Arcadia	75.05	265	P	P			19 56 14.2	+0.5
AKASG	Malin Array Be	75.25	340	P	PP			19 56 13.3	-0.2
AKASG	comp=Z,24nm,0.7s, baz=19.5, slow=6.1, SNR=106							19 59 01.6	+0.2
AKASG	comp=Z,6.3nm,1.0s, baz=19.5, slow=9.2, SNR=5.1							20 32 29.2	
AKASG	comp=Z,330nm,21.1s, baz=15.5, slow=38							19 56 13.3	-0.2
AKASG	comp=Z,25nm,0.7s	Malin Array Si	75.25	340	P	P		19 56 13.0	-0.6
AKKB	Malin Array Si	75.25	340	eP	P			19 56 13.0	-0.6
AKKB	comp=Z,67nm,1.0s	Malin Array Si	75.25	340	eP	P		19 56 13.0	-0.6
959A	Okechobee	75.37	64	P	P			19 56 15.0	+0.3
STKI	Sintang	75.63	252	P	P			19 56 13.4	-2.8
059A	Moore Haven	75.65	65	P	P			19 56 16.6	+0.3
BEL	Belsk	75.71	346	eP	P			19 56 16.7	+0.5
BEL	Belsk	75.71	346	eP	P			19 56 17.6	+0.5
MTN	Manton Dam	75.76	228	eP	P			19 56 15.6	-1.3
059Z	Ave Maria	75.96	66	P	P			19 56 18.4	+0.4
060Z	West Palm Beac	76.42	65	P	P			19 56 21.2	+0.6
061Z	Ochoppi	76.63	66	P	P			19 56 22.5	+0.7
GOIF	Gofitskoye	76.73	329	iP	P			19 56 23.7	+1.6
GOIF	comp=Z,99nm,0.9s							19 56 21.9	-2.2
EDFI	Ende, Flores	77.00	238	P	P			19 56 22.4	-1.6
MAK	Makhackkala	77.06	325	eP					

31d 20h

Table of station data for 31 days and 20 hours, including station names, codes, and various parameters like elevation and frequency.

2013 JUL

Table of station data for July 2013, including station names, codes, and various parameters like elevation and frequency.

1666

Table of station data for 1666, including station names, codes, and various parameters like elevation and frequency.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes station data for IDG 31 20:00.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes station data for MEX 31 20:43.

Station data for IDG 31 20:45:24.1, 1.0, 21.365, 168.54E, h0km, mb4.2/9, mb1 4.4/10, mb1mx4.1/37, mbtmp4.3/10, ML3.9/1, MS3.6/4, Ms1 3.6/4, ms1mx3.2/18, Error ellipse: s-maj=35.8km s-min=19.5km az=158.0

Station data for NEIC 31 20:45:30.7, 1.8, 2.1, 21.5, 168.35E, h44km, mb4.6/8, Error ellipse: s-maj=19.5km s-min=4.5km az=145.0

Station data for ISC 31 20:45:26.9, 0.7, 21.35, 0.1x168.52E, 0.10, h20km, n31, s1901/32, mb4.4/15, MS3.6/3, Loyalty Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes station data for various stations like CPUP, CPUP, MAW, WIN, WIN, BOS, SYO, SYO, etc.

Station data for BUJ 31 20:51:32.8, 0.0, 12.91N:144.90E, h94km, mb4.7/6, mb4.9/6

Station data for NEIC 31 20:51:40.9, 1.6, 13.52N:144.52E, h107km, 2km, mb4.4/29, Error ellipse: s-maj=15.4km s-min=12.2km az=82.0

Station data for NEIC 31 20:51:40.4, 0.4, 13.56N:144.62E, h104km, 4km, mb3.8/17, mb1 3.9/18, mb1mx3.8/35, mbtmp4.2/18, MS3.1/1

Station data for ISCJB 31 20:51:41.4, 0.0, 13.49N:104.144E, 53E, 0.1, h129km, az=17.7, Error ellipse: s-maj=8.2km s-min=6.2km

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Res, ISC. Includes station data for GUMO, GUMO, ANAZ, SARJ, PATS, RABL, SIJ, JOW, JOW, FAKI, H11S3, H11S1, H11S2.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H11N1 WAKE ISLAND, H11N2 WAKE ISLAND, H11N3 WAKE ISLAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJA 31 21:04:29.9, 1.0, 27:26S:69:41W, h119km, 13km, ML2.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CO02, SGSI Sangihe, SGSI SANI, etc.

ISCJB 31 22:09:03.9, 0.3, 26:64N, 0.03:57:72E, 0.04, h10km, mb3.9/24, MS3.2/8, Error ellipse: s-maj=5.2km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JSK1 Jask, NIAN Nian, KHJ1 Kahnnoj, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDH Madha, MDH Masafi, UMQ Umm Al-Quwain, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HATD Hatta, Dubai, NAZ Nazwa, Dubai, CHBR Chabahar, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WSAR Wadi Sarin, KHGB Koh Gabri, ZHSF Zahedan, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHRM Jahrom, GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like G003 Copiap, G003 Copiap, VCA Vinchina, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASF Jabal al Asfar, KK31 Karatay Arra, KKAR Karatay Arra, etc.

DDA 31 22:15:52.8, 37:37N-37:15E, h7km, 1km, ML2.8 ISK 31 22:15:52.5, 37:38N-37:16E, h8km, ML 1.97

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GAZ Gaziantep, GAZ Gaziantep, HCB Kahramanmara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KAMA Osmaniye, KUZU Kuzuzini, KUZU Kuzuzini, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URFA Urfa, BNN Binnir, SVRC Sivrice-ELAZID, etc.

GII 31 22:25:27.0, 40.0, 35:70N-26:34E, h25km, MD3.4/3 HLW 31 22:25:29.9, 35:68N-26:34E, h31km, 19km, ML3.8

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

MIAR	Mount Ida	20.42 358	eP	P	23 23 27.6	-0.9
UALR	University of	20.63 1	eP	Pn	23 23 33.0	-0.2
WMOK	Wichita Mounta	21.33 346	eP	P	23 23 37.9	-0.6
MSTX	Muleshoe	21.86 337	eP	P	23 23 42.6	-1.7
SWET	Sewanee	21.91 15	eP	P	23 23 40.7	-4.1
AMTX	Amarillo	22.30 340	eP	P	23 23 46.6	-2.4
CLTN	Cedars of Leba	22.65 13	eP	P	23 23 49.5	-3.1
TKL	Tuckaleehee C	22.93 19	P	P	23 23 54.8	-0.7
TKL	comp=Z,196nm,19.7s,baz=196,slow=40			LR	23 34 07.3	
V52A	Sevierville	23.16 19	eP	P	23 23 56.0	-1.8
SIUC	Southern Illin	23.75 7	eP	P	23 24 02.3	-1.4
ANMO	Albuquerque	24.26 331	LR	LR	23 35 20.7	
U54A	Nelsons Funny	24.37 21	eP	P	23 24 07.7	-1.8
WCI	Wyandotte Cave	24.72 12	eP	P	23 24 11.9	-0.7
ATAH	Atahualpa	25.34 145	LR	LR	23 31 36.8	
SJG	San Juan	25.73 77	LR	LR	23 34 43.5	
Y12C	Blythe	27.92 318	eP	P	23 24 39.4	-2.1
PDAR	Pinedale Array	32.13 336	P	P	23 25 20.0	+1.0
REDW	Red Top Meadow	33.14 335	eP	P	23 25 28.3	+0.5
NV01	Mina Array Sit	33.26 322	eP	P	23 25 31.9	+3.0
NVAR	Mina Array Bea	33.26 322	eP	P	23 25 31.9	+3.0
TPAW	Teton Pass	33.29 335	eP	P	23 25 30.5	+1.3
MCMT	McKenzie Canyo	35.16 335	eP	P	23 25 45.4	0.0
PTGA	Pittinga	35.51 112	eP	P	23 25 46.7	-1.7
ULM	Lac du Bonnet	36.19 356	LR	LR	23 42 41.3	
LPZA	La Paz	38.66 140	LR	LR	23 42 57.4	
SCHO	Schefferville	45.38 21	LR	LR	23 47 13.5	
YKA	Yellowknife Ar	50.84 347	P	P	23 27 52.5	+1.0
YKBS	Yellowknife Ar	50.84 347	eP	P	23 27 52.5	+1.0
CFA	Coronel Fontan	51.07 153	P	P	23 27 52.2	-1.6
PLCA	Paso Flores	58.23 160	LR	LR	23 48 21.0	
ILAR	Eielson Array	62.55 337	LR	LR	00 01 13.4	
NOA	NORSAR Array B	84.38 28	LR	LR	00 07 55.6	
ARCES	ARCESS Array B	86.27 18	LR	LR	00 10 21.4	
CMAR	Chiang Mai Arr	145.74 340	PKPbc	PKPpdf	23 38 30.8	+0.2

ISC 31 23:19:38.6:1.9, 13:36N-126:37E, h0km, mb3.7/5, mb1 3.8/5, mb1mx3.5/35, mbtmp3.7/5, Error ellipse: s-maj=172.3km s-min=21.5km az=69.0
 ISCJB 31 23:19:42.2:0.9, 13:19N-0:06:125:63E:0:08, h28km, mb3.7/5, Error ellipse: s-maj=11.7km s-min=8.8km az=175.3
 MAN 31 23:19:45.1, 13:02N:125:04E, h113km, mb4.4, ML3.3, MS3.1

ISC 31 23:19:43.8:1.1, 13:18N-0:07:125:56E:0:09, h28km, n8, r151/11, mb3.7/5, 1D, Philippine Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
CNP	Cataman	1.10 233	eP	Pb	23 20 04.1 -0.1
CNP			eS	Sb	23 20 19.9 +1.8
PVCP	Virac	1.43 287	eP	Pn	23 20 07.2 -0.6
PVCP			eS	Sn	23 20 23.9 -1.7
PLP	Palo	2.08 196	eP	Pn	23 20 17.5 +0.8
PLP			eS	Sn	23 20 40.1 -1.8
WRA	Warramunga Arr	34.03 165	P	P	23 26 23.3 -2.3
ASAR	Alice Springs	37.52 167	P	P	23 26 55.4 -0.2
SONM	Songino Array	38.07 339	P	P	23 27 00.5 +0.4
MKAR	Makanchi Array	49.31 322	P	P	23 28 31.9 +1.5
FINES	FINES Array B	83.01 331	P	P	23 32 06.6 +0.2

DRS 31 23:31:50.7:0.0, 40:75N-48:53E, h10km, ML3.0/3
 ISC 31 23:31:50.2:3.4, 40:6N:0:1x48:8E:0:1, h8km, 16km, n9, r1510/17, Eastern Caucasus

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
KSMR	Kasumkent	1.09 332	iPg	Pg	23 32 11.0 -0.3
KSMR			eSg	Sb	23 32 26.5 +0.5
AKT	Akhty	1.17 316	ePg	Pb	23 32 11.5 -1.3
AKT			eSg	Sg	23 32 26.5 -1.4
DRN	Derbent	1.44 346	ePg	Pg	23 32 18.7 +0.8
DRN			eSg	Sb	23 32 36.6 +0.8
URKR	Urkarakh	1.77 330	ePg	Pb	23 32 23.4 +0.4
URKR			eSg	Sg	23 32 47.3 +0.3
KMKR	Kumukh	1.97 320	ePg	Pg	23 32 28.0 0.0
DDFL	Dedoflistskaro	2.19 293	P	Pn	23 32 25.7 -1.4
DDFL			S	Sb	23 32 58.4 +1.0
GNER	Gunib	2.23 322	ePg	Pb	23 32 32.2 +1.3
GNER			eSg	Sg	23 33 01.0 -1.0
LGD	Lagodekhi	2.27 303	P	Pb	23 32 31.3 -0.3
LGD			S	Sg	23 33 04.3 +1.0
TBLG	Delisi	3.26 291	P	Pb	23 32 50.1 +1.7
TBLG			S	Sb	23 33 28.8 +0.6

ISC 31 23:50:19.3:8.7, 31:85S-179:76E, h327km, 97km, mb3.3/2, mb1 3.6/3, mb1mx3.2/24, mbtmp4.1/3, Error ellipse: s-maj=104.5km s-min=42.5km az=2.0, Kermadec Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
URZ	Urewera	6.75 198	Op	ISC	h m s ISC
URZ			Pn	23 51 59.8	+1.8
URZ			S	23 53 16.4	-1.8
ASAR	Alice Springs	41.14 270	P	P	23 57 33.0 +0.2
WRA	Warramunga Arr	42.27 275	P	P	23 57 41.5 -0.4
FINES	FINES Array B	145.80 338	PKPbc	PKPpdf	00 09 18.4 0.0

ISC 31 23:54:11.8:31.0, 22:54N-143:62E, h350km, 297km, mb3.1/5, mb1 3.2/5, mb1mx2.8/52, mbtmp3.8/5, Error ellipse: s-maj=83.1km s-min=60.9km az=175.0, Volcano Islands region

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
MKAR	Makanchi Array	54.43 312	Op	ISC	h m s ISC
MKAR			P	00 03 03.8	-0.1
KURBB	Kurchatov Arra	57.19 317	P	P	00 03 22.9 -0.3
BVAR	Borovoye Array	62.30 319	P	P	00 03 58.1 +0.4
NVAR	Mina Array Bea	82.30 52	P	P	00 05 55.5 0.0
FINES	FINES Array B	82.59 335	P	P	00 05 56.0 -0.2

1.3nm,0.9s,baz=50,slow=7.4,SNR=3.6
 PLCA Paso Flores 146.00 130 PKPbc PKPpdf 00 13 10.3 +0.6
 0.8nm,0.6s,baz=297,slow=4.9,SNR=5.0

ISCJB 31 23:55:38.0:0.6, 41:72S:0:06:174:5E:0:1, h28km, mb3.7/2, Error ellipse: s-maj=13.8km s-min=4.4km az=35.2
 NEIC 31 23:55:39.2:0.0, 41:55S:174:39E, h18km, ML4.2(WEL), After WEL
 IDC 31 23:55:42.8:2.5, 41:63S:174:16E, h43km, 23km, mb3.6/2, mb1 4.0/4, mb1mx3.6/29, mbtmp3.9/4, ML3.7/2, Error ellipse: s-maj=41.7km s-min=17.2km az=131.0
 ISC 31 23:55:37.4:0.9, 41:76S:0:05:174:65E:0:06, h28km, n26, r252/28, Cook Strait

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC
SNZO	South Karori	0.45 5	ePg	Pb	23 55 47.1 +0.1
SNZO			eSg	Sb	23 55 50.7 -2.7
KHZ	Kahutara	1.05 231	ePn	Pb	23 55 59.1 +2.1
THZ	Tophouse	1.31 269	ePn	Pb	23 56 00.3 -1.0
BFZ	Birch Farm	1.62 49	ePn	Pb	23 56 06.6 +0.1
ORZ	Quartz Range	1.85 300	ePn	Pb	23 56 08.1 -2.5
LTZ	Lake Taylor	2.04 239	ePn	Pb	23 56 12.1 -1.7
CRLZ	Canterbury Las	2.35 219	ePn	Pb	23 56 15.8 -3.2
MOZ	McQueen's Vall	2.44 216	ePn	Pb	23 56 16.8 -3.7
OXZ	Oxford	2.48 320	ePn	Pb	23 56 17.1 -4.2
IKZ	Black Stump Fm	2.95 29	ePn	Pb	23 56 26.2 -3.1
HIZ	Haitui	3.25 3	ePn	Pb	23 56 29.3 +2.8
RPZ	Rata Peaks	3.29 232	P	Pn	23 56 28.4 +1.4
RPZ			S	Sn	23 57 05.5 +0.2
URZ	Urewera	3.98 29	P	Pb	23 56 42.6 -4.1
URZ			Pn	23 56 39.0 +2.5	
FOZ	Fox Glacier	3.96 242	ePn	Pb	23 56 38.5 +2.0
LBZ	Lake Benmore	4.19 230	ePn	Pb	23 56 41.9 +0.7
ODZ	Otahua Downs	4.39 220	ePn	Pb	23 56 43.6 +1.4
MXZ	Matakaoa Point	5.05 35	ePn	Pb	23 56 53.0 +1.7
WKZ	Wanaka	5.13 231	ePn	Pb	23 56 53.3 +1.0
WHZ	Wether Hill Ro	6.37 227	ePn	Pb	23 57 10.3 +1.0
DCZ	Deep Cove	6.58 233	ePn	Pb	23 57 12.8 +0.7
OUZ	Omahuta	6.58 352	ePn	Pb	23 57 14.2 +2.0
MCQ	Macquarie Isla	16.45 214	ePn	P	23 59 27.6 -0.8
ASAR	Alice Springs	38.32 285	P	P	00 02 55.7 -0.1
WRA	Warramunga Arr	40.39 290	P	P	00 03 13.7 +0.7
TORD	Torodi Ar. Bea	150.84 194	PKPbc	PKIKP	00 15 30.7 +2.5

ISC Computed Locations for July 2013

